



Third-Quarter 2023

PAA & PAGP

Non-GAAP & Supplemental Reconciliations

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Non-GAAP Financial Measures and Selected Items Impacting Comparability

To supplement our financial information presented in accordance with GAAP, management uses additional measures known as “non-GAAP financial measures” in its evaluation of past performance and prospects for the future and to assess the amount of cash that is available for distributions, debt repayments, common equity repurchases and other general partnership purposes. The primary additional measures used by management are Adjusted EBITDA, Adjusted EBITDA attributable to PAA, Implied Distributable Cash Flow (“DCF”), Free Cash Flow and Free Cash Flow after Distributions.

Adjusted EBITDA is defined as earnings before interest, taxes, depreciation and amortization (including our proportionate share of depreciation and amortization, including write-downs related to cancelled projects and impairments, of unconsolidated entities), gains and losses on asset sales and asset impairments, goodwill impairment losses and gains or losses on and impairments of investments in unconsolidated entities, adjusted for certain selected items impacting comparability. Our definition and calculation of certain non-GAAP financial measures may not be comparable to similarly-titled measures of other companies. Adjusted EBITDA, Adjusted EBITDA attributable to PAA, Implied DCF and certain other non-GAAP financial performance measures are reconciled to Net Income/(Loss), Free Cash Flow and Free Cash Flow after Distributions are reconciled to Net Cash Provided by Operating Activities, the most directly comparable measures as reported in accordance with GAAP, for the historical periods presented in the following pages, and should be viewed in addition to, and not in lieu of, our Consolidated Financial Statements in our Annual Reports on Form 10-K, our Condensed Consolidated Financial Statements in our Quarterly Reports on Form 10-Q and notes thereto. We do not provide a reconciliation of non-GAAP financial measures to the equivalent GAAP financial measures on a forward-looking basis as it is impractical to forecast certain items that we have defined as “Selected Items Impacting Comparability” without unreasonable effort, due to the uncertainty and inherent difficulty of predicting the occurrence and financial impact of and the periods in which such items may be recognized. Thus, a reconciliation of non-GAAP financial measures to the equivalent GAAP financial measures could result in disclosure that could be imprecise or potentially misleading.

Non-GAAP Financial Performance Measures

Management believes that the presentation of such additional financial measures provides useful information to investors regarding our performance and results of operations because these measures, when used to supplement related GAAP financial measures, (i) provide additional information about our core operating performance and ability to fund distributions to our unitholders through cash generated by our operations and (ii) provide investors with the same financial analytical framework upon which management bases financial, operational, compensation and planning/budgeting decisions. We also present these and additional non-GAAP financial measures, including adjusted net income attributable to PAA and basic and diluted adjusted net income per common unit, as they are measures that investors, rating agencies and debt holders have indicated are useful in assessing us and our results of operations. These non-GAAP financial performance measures may exclude, for example, (i) charges for obligations that are expected to be settled with the issuance of equity instruments, (ii) gains and losses on derivative instruments that are related to underlying activities in another period (or the reversal of such adjustments from a prior period), gains and losses on derivatives that are either related to investing activities (such as the purchase of linefill) or purchases of long-term inventory, and inventory valuation adjustments, as applicable, (iii) long-term inventory costing adjustments, (iv) items that are not indicative of our core operating results and/or (v) other items that we believe should be excluded in understanding our core operating performance. These measures may further be adjusted to include amounts related to deficiencies associated with minimum volume commitments whereby we have billed the counterparties for their deficiency obligation and such amounts are recognized as deferred revenue in “Other current liabilities” in our Consolidated Financial Statements in our Annual Reports on Form 10-K and our Condensed Consolidated Financial Statements in our Quarterly Reports on Form 10-Q. We also adjust for amounts billed by our equity method investees related to deficiencies under minimum volume commitments. Such amounts are presented net of applicable amounts subsequently recognized into revenue. Furthermore, the calculation of these measures contemplates tax effects as a separate reconciling item, where applicable. We have defined all such items as “selected items impacting comparability.” Due to the nature of the selected items, certain selected items impacting comparability may impact certain non-GAAP financial measures, referred to as adjusted results, but not impact other non-GAAP financial measures. We do not necessarily consider all of our selected items impacting comparability to be non-recurring, infrequent or unusual, but we believe that an understanding of these selected items impacting comparability is material to the evaluation of our operating results and prospects.

Although we present selected items impacting comparability that management considers in evaluating our performance, you should also be aware that the items presented do not represent all items that affect comparability between the periods presented. Variations in our operating results are also caused by changes in volumes, prices, exchange rates, mechanical interruptions, acquisitions, investment capital projects and numerous other factors and will be discussed, as applicable, in management’s discussion and analysis of operating results in our Quarterly Report on Form 10-Q and in our Annual Report on form 10-K for the period(s) applicable.

Non-GAAP Financial Liquidity Measures

Management also uses the non-GAAP financial liquidity measures Free Cash Flow and Free Cash Flow after Distributions to assess the amount of cash that is available for distributions, debt repayments, common equity repurchases and other general partnership purposes. Free Cash Flow is defined as Net Cash Provided by Operating Activities, less Net Cash Provided by/ (Used in) Investing Activities, which primarily includes acquisition, investment and maintenance capital expenditures, investments in unconsolidated entities and the impact from the purchase and sale of linefill, net of proceeds from the sales of assets and further impacted by distributions to and contributions from noncontrolling interests. Free Cash Flow is further reduced by cash distributions paid to our preferred and common unitholders to arrive at Free Cash Flow after Distributions.

Reconciliation to Adjusted EBITDA and Adjusted Net Income Attributable to PAA (in millions) ^{(1) (2)}

Selected Items Impacting Comparability ⁽³⁾

	2023				2022					2021					2020				
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Derivative activities and inventory valuation adjustments	\$ (34)	\$ 86	\$ (196)	\$ (143)	\$ (132)	\$ (28)	\$ 327	\$ (76)	\$ 91	\$ 131	\$ (86)	\$ (9)	\$ 249	\$ 285	\$ (4)	\$ (99)	\$ (98)	\$ (258)	\$ (460)
Long-term inventory costing adjustments	(29)	(2)	58	27	92	13	(83)	(18)	4	41	27	13	13	94	(115)	51	(2)	21	(44)
Deficiencies under minimum volume commitments, net	7	2	(14)	(5)	(6)	(10)	(16)	24	(7)	32	(6)	(56)	38	7	2	(7)	(64)	(5)	(74)
Equity-indexed compensation expense	(10)	(8)	(10)	(28)	(7)	(7)	(9)	(8)	(32)	(5)	(4)	(6)	(5)	(19)	(4)	(5)	(5)	(5)	(19)
Foreign currency revaluation	3	(5)	5	4	9	(19)	(32)	2	(41)	8	7	(18)	11	7	(46)	23	10	28	16
Transaction-related expenses	—	—	(1)	(1)	—	—	—	—	—	—	(3)	(2)	(11)	(16)	(3)	—	—	—	(3)
Line 901 incident	—	—	—	—	(85)	—	—	(10)	(95)	—	—	—	(15)	(15)	—	—	—	—	—
Net gain on early repayment of senior notes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	3
Selected items impacting comparability - Adjusted EBITDA	\$ (63)	\$ 73	\$ (158)	\$ (146)	\$ (129)	\$ (51)	\$ 187	\$ (86)	\$ (80)	\$ 207	\$ (65)	\$ (78)	\$ 280	\$ 343	\$ (170)	\$ (34)	\$ (159)	\$ (219)	\$ (581)
Derivative activities	—	—	—	—	—	4	2	1	7	—	—	—	—	—	—	—	—	—	—
Gain (loss) on/(impairment of) investments in unconsolidated entities, net	—	—	29	28	—	—	1	345	346	—	—	—	2	2	(22)	(69)	(91)	—	(182)
Gains/(losses) on asset sales and asset impairments, net	154	(3)	(7)	144	42	3	—	(315)	(269)	(2)	(369)	(221)	—	(592)	(619)	1	2	(101)	(719)
Goodwill impairment losses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(2,515)	—	—	—	(2,515)
Tax effect on selected items impacting comparability	(10)	(20)	38	8	8	(13)	(85)	24	(65)	(15)	1	32	(63)	(44)	23	11	9	31	76
Other	(3)	—	(7)	(10)	—	—	(1)	8	7	—	—	—	—	—	—	—	—	—	—
Selected items impacting comparability - Adjusted net income attributable to PAA	\$ 78	\$ 50	\$ (105)	\$ 24	\$ (79)	\$ (57)	\$ 104	\$ (23)	\$ (54)	\$ 190	\$ (433)	\$ (267)	\$ 219	\$ (291)	\$ (3,303)	\$ (91)	\$ (239)	\$ (289)	\$ (3,921)

Net Income/(Loss) to Adjusted EBITDA attributable to PAA Reconciliation

	2023				2022					2021					2020				
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Net Income/(Loss)	\$ 475	\$ 349	\$ 279	\$ 1,103	\$ 225	\$ 251	\$ 442	\$ 310	\$ 1,228	\$ 423	\$ (216)	\$ (55)	\$ 497	\$ 648	\$ (2,845)	\$ 144	\$ 146	\$ (25)	\$ (2,580)
Interest expense, net	98	95	97	290	107	99	99	100	405	107	107	106	106	425	108	108	113	108	436
Income tax expense/(benefit)	53	43	(14)	82	21	47	109	12	189	24	(10)	(30)	88	73	21	(12)	(3)	(26)	(19)
Depreciation and amortization	256	259	260	776	230	242	238	254	965	177	196	178	223	774	168	166	160	160	653
(Gains)/losses on asset sales and asset impairments, net	(154)	3	7	(144)	(42)	(3)	—	315	269	2	369	221	—	592	619	(1)	(2)	101	719
Goodwill impairment losses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,515	—	—	—	2,515
(Gain on)/impairment of investments in unconsolidated entities, net	—	—	(29)	(28)	—	—	(1)	(345)	(346)	—	—	—	(2)	(2)	22	69	91	—	182
Depreciation and amortization of unconsolidated entities ⁽⁴⁾	22	24	21	67	20	17	21	27	85	20	68	21	14	123	17	16	18	22	73
Selected items impacting comparability - Adjusted EBITDA	63	(73)	158	146	129	51	(187)	86	80	(207)	65	78	(280)	(343)	170	34	159	219	581
Adjusted EBITDA	\$ 813	\$ 700	\$ 779	\$ 2,292	\$ 690	\$ 704	\$ 721	\$ 759	\$ 2,875	\$ 546	\$ 579	\$ 519	\$ 646	\$ 2,290	\$ 795	\$ 524	\$ 682	\$ 559	\$ 2,560
Less: Adjusted EBITDA attributable to noncontrolling interests	(98)	(103)	(117)	(318)	(76)	(89)	(98)	(100)	(365)	(3)	(4)	(5)	(82)	(94)	(2)	(4)	(5)	(14)	
Adjusted EBITDA attributable to PAA	\$ 715	\$ 597	\$ 662	\$ 1,974	\$ 614	\$ 615	\$ 623	\$ 659	\$ 2,510	\$ 543	\$ 575	\$ 514	\$ 564	\$ 2,196	\$ 793	\$ 522	\$ 678	\$ 554	\$ 2,546

Net Income/(Loss) to Adjusted Net Income Attributable to PAA Reconciliation

	2023				2022					2021					2020				
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Net Income/(Loss)	\$ 475	\$ 349	\$ 279	\$ 1,103	\$ 225	\$ 251	\$ 442	\$ 310	\$ 1,228	\$ 423	\$ (216)	\$ (55)	\$ 497	\$ 648	\$ (2,845)	\$ 144	\$ 146	\$ (25)	\$ (2,580)
Less: Net income attributable to noncontrolling interests	(53)	(56)	(76)	(185)	(38)	(48)	(58)	(47)	(191)	(1)	(4)	(4)	(47)	(55)	(2)	(2)	(3)	(3)	(10)
Net income/(loss) attributable to PAA	422	293	203	918	187	203	384	263	1,037	422	(220)	(59)	450	593	(2,847)	142	143	(28)	(2,590)
Selected items impacting comparability - Adjusted net income attributable to PAA	(78)	(50)	105	(24)	79	57	(104)	23	54	(190)	433	267	(219)	291	3,303	91	239	289	3,921
Adjusted net income attributable to PAA	\$ 344	\$ 243	\$ 308	\$ 894	\$ 266	\$ 260	\$ 280	\$ 286	\$ 1,091	\$ 232	\$ 213	\$ 208	\$ 231	\$ 884	\$ 456	\$ 233	\$ 382	\$ 261	\$ 1,331

(1) Amounts may not recalculate due to rounding.

(2) Certain of our non-GAAP financial measures may not be impacted by each of the selected items impacting comparability.

(3) For more information regarding our Selected Items Impacting Comparability, please refer to our most recently issued PAA & PAGP Earnings Release.

(4) Adjustment to add back our proportionate share of depreciation and amortization expense (including write-downs related to cancelled projects) of unconsolidated entities.

Adjusted Net Income Per Common Unit (in millions, except per unit data)⁽¹⁾⁽²⁾

Basic and Diluted Adjusted Net Income Per Common Unit

	2023				2022					2021					2020
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	YTD
Net income/(loss) attributable to PAA	\$ 422	\$ 293	\$ 203	\$ 918	\$ 187	\$ 203	\$ 384	\$ 263	\$ 1,037	\$ 422	\$ (220)	\$ (59)	\$ 450	\$ 593	\$ (2,590)
Selected items impacting comparability - Adjusted net income attributable to PAA ⁽³⁾	(78)	(50)	105	(24)	79	57	(104)	23	54	(190)	433	267	(219)	291	3,921
Adjusted net income attributable to PAA	\$ 344	\$ 243	\$ 308	\$ 894	\$ 266	\$ 260	\$ 280	\$ 286	\$ 1,091	\$ 232	\$ 213	\$ 208	\$ 231	\$ 884	\$ 1,331
Distributions to Series A preferred unitholders ⁽⁴⁾	(42)	(44)	(44)	(129)	(37)	(37)	(37)	(37)	(149)	(37)	(37)	(37)	(37)	(149)	(149)
Distributions to Series B preferred unitholders ⁽⁴⁾	(18)	(18)	(19)	(56)	(12)	(12)	(12)	(15)	(52)	(12)	(12)	(12)	(12)	(49)	(49)
Amounts allocated to participating securities	(2)	(5)	(1)	(8)	(1)	(1)	(2)	(1)	(5)	(1)	(1)	(1)	(2)	(3)	(4)
Other	1	1	1	3	—	—	—	—	—	—	—	—	—	—	—
Adjusted net income allocated to common unitholders	\$ 283	\$ 177	\$ 245	\$ 704	\$ 216	\$ 210	\$ 229	\$ 233	\$ 885	\$ 182	\$ 163	\$ 158	\$ 180	\$ 683	\$ 1,129
Basic and diluted weighted average common units outstanding ⁽⁵⁾⁽⁶⁾	698	698	700	699	705	702	698	698	701	722	720	715	709	716	728
Basic and diluted adjusted net income per common unit	\$ 0.41	\$ 0.25	\$ 0.35	\$ 1.01	\$ 0.31	\$ 0.30	\$ 0.33	\$ 0.33	\$ 1.26	\$ 0.25	\$ 0.23	\$ 0.22	\$ 0.25	\$ 0.95	\$ 1.55

(1) Amounts may not recalculate due to rounding.

(2) We calculate adjusted net income allocated to common unitholders based on the distributions pertaining to the current period's net income. After adjusting for the appropriate period's distributions, the remaining undistributed earnings or excess distributions over earnings, if any, are allocated to the common unitholders and participating securities in accordance with the contractual terms of our partnership agreement in effect for the period and as further prescribed under the two-class method.

(3) Certain of our non-GAAP financial measures may not be impacted by each of the selected items impacting comparability.

(4) Distributions pertaining to the period presented.

(5) The possible conversion of our Series A preferred units was excluded from the calculation of diluted adjusted net income per common unit as the effect was either antidilutive or did not change the presentation of diluted adjusted net income per common unit.

(6) Our equity-indexed compensation plan awards that contemplate the issuance of common units are considered dilutive unless (i) they become vested only upon the satisfaction of a performance condition and (ii) that performance condition has yet to be satisfied. Equity-indexed compensation plan awards that are deemed to be dilutive are reduced by a hypothetical common unit repurchase based on the remaining unamortized fair value, as prescribed by the treasury stock method in guidance issued by the FASB. For certain periods presented, such equity-indexed compensation plan awards did not change the presentation of diluted weighted average common units outstanding or diluted adjusted net income per common unit.

Net Income/(Loss) Per Common Unit to Adjusted Net Income Per Common Unit Reconciliation ⁽¹⁾

Basic and Diluted Adjusted Net Income Per Common Unit

	2023				2022					2021					2020
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	YTD
Basic and diluted net income/(loss) per common unit	\$ 0.52	\$ 0.32	\$ 0.20	\$ 1.04	\$ 0.19	\$ 0.22	\$ 0.48	\$ 0.30	\$ 1.19	\$ 0.51	\$ (0.37)	\$ (0.15)	\$ 0.56	\$ 0.55	\$ (3.83)
Selected items impacting comparability per common unit ⁽²⁾	(0.11)	(0.07)	0.15	(0.03)	0.12	0.08	(0.15)	0.03	0.07	(0.26)	0.60	0.37	(0.31)	0.40	5.38
Basic and diluted adjusted net income per common unit	<u>\$ 0.41</u>	<u>\$ 0.25</u>	<u>\$ 0.35</u>	<u>\$ 1.01</u>	<u>\$ 0.31</u>	<u>\$ 0.30</u>	<u>\$ 0.33</u>	<u>\$ 0.33</u>	<u>\$ 1.26</u>	<u>\$ 0.25</u>	<u>\$ 0.23</u>	<u>\$ 0.22</u>	<u>\$ 0.25</u>	<u>\$ 0.95</u>	<u>\$ 1.55</u>

(1) Amounts may not recalculate due to rounding.

(2) For more information regarding our Selected Items Impacting Comparability, please refer to our most recently issued PAA & PAGP Earnings Release.

PAA Credit Metrics (in millions, except ratio amounts)⁽¹⁾

Debt Capitalization Ratios

	2023			2022				2021	2020
	As of March 31,	As of June 30,	As of September 30,	As of March 31,	As of June 30,	As of September 30,	As of December 31,	As of December 31,	
Short-term debt	\$ 708	\$ 709	\$ 710	\$ 900	\$ 630	\$ 459	\$ 1,159	\$ 822	\$ 831
Senior notes, net	7,238	7,239	7,241	7,931	7,933	7,934	7,237	8,329	9,071
Other long-term debt, net	50	49	55	55	53	52	50	69	311
Long-term debt	7,288	7,288	7,296	7,986	7,986	7,986	7,287	8,398	9,382
Total debt	<u>\$ 7,996</u>	<u>\$ 7,997</u>	<u>\$ 8,006</u>	<u>\$ 8,886</u>	<u>\$ 8,616</u>	<u>\$ 8,445</u>	<u>\$ 8,446</u>	<u>\$ 9,220</u>	<u>\$ 10,213</u>
Long-term debt	\$ 7,288	\$ 7,288	\$ 7,296	\$ 7,986	\$ 7,986	\$ 7,986	\$ 7,287	\$ 8,398	\$ 9,382
Partners' capital excluding noncontrolling interests	10,243	10,379	10,285	10,043	9,931	9,944	10,057	9,972	9,593
Total book capitalization excluding noncontrolling interests ("Total book capitalization")	<u>\$ 17,531</u>	<u>\$ 17,667</u>	<u>\$ 17,581</u>	<u>\$ 18,029</u>	<u>\$ 17,917</u>	<u>\$ 17,930</u>	<u>\$ 17,344</u>	<u>\$ 18,370</u>	<u>\$ 18,975</u>
Total book capitalization, including short-term debt	<u>\$ 18,239</u>	<u>\$ 18,376</u>	<u>\$ 18,291</u>	<u>\$ 18,929</u>	<u>\$ 18,547</u>	<u>\$ 18,389</u>	<u>\$ 18,503</u>	<u>\$ 19,192</u>	<u>\$ 19,806</u>
Long-term debt-to-total book capitalization	42 %	41 %	41 %	44 %	45 %	45 %	42 %	46 %	49 %
Total debt-to-total book capitalization, including short-term debt	44 %	44 %	44 %	47 %	46 %	46 %	46 %	48 %	52 %

(1) Amounts may not recalculate due to rounding.

Implied Distributable Cash Flow (in millions, except per unit and ratio data)⁽¹⁾

Implied Distributable Cash Flow Reconciliation

	Three Months Ended			YTD	Three Months Ended			YTD	Twelve Months Ended December 31,		
	Mar 31, 2023	Jun 30, 2023	Sep 30, 2023	Sep 30, 2023	Mar 31, 2022	Jun 30, 2022	Sep 30, 2022	Sep 30, 2022	2022	2021	2020
Adjusted EBITDA ⁽²⁾	\$ 813	\$ 700	\$ 779	\$ 2,292	\$ 690	\$ 704	\$ 721	\$ 2,115	\$ 2,875	\$ 2,290	\$ 2,560
Interest expense, net of certain non-cash items ⁽³⁾	(93)	(90)	(92)	(275)	(101)	(97)	(96)	(295)	(391)	(401)	(415)
Maintenance capital	(48)	(62)	(60)	(169)	(27)	(43)	(76)	(146)	(211)	(168)	(216)
Investment capital of noncontrolling interests ⁽⁴⁾	(23)	(17)	(23)	(63)	(15)	(15)	(20)	(50)	(69)	(9)	—
Current income tax expense	(61)	(20)	(22)	(104)	(19)	(30)	(12)	(60)	(84)	(50)	(51)
Distributions from unconsolidated entities in excess of (less than) adjusted equity earnings ⁽⁵⁾	(12)	(8)	(2)	(21)	(31)	5	(22)	(48)	(28)	16	13
Distributions to noncontrolling interests ⁽⁶⁾	(78)	(73)	(86)	(237)	(59)	(62)	(73)	(194)	(298)	(14)	(10)
Implied DCF	\$ 498	\$ 430	\$ 494	\$ 1,423	\$ 438	\$ 462	\$ 422	\$ 1,322	\$ 1,794	\$ 1,664	\$ 1,881
Preferred unit distributions paid ⁽⁶⁾	(55)	(59)	(63)	(178)	(37)	(62)	(37)	(137)	(198)	(198)	(198)
Implied DCF available to common unitholders	\$ 443	\$ 371	\$ 431	\$ 1,245	\$ 401	\$ 400	\$ 385	\$ 1,185	\$ 1,596	\$ 1,466	\$ 1,683
Weighted average common units outstanding	698	698	700	699	705	702	698	702	701	716	728
Weighted average common units and common unit equivalents	769	769	771	770	776	773	769	773	772	787	799
Implied DCF per common unit ⁽⁷⁾	\$ 0.63	\$ 0.53	\$ 0.62	\$ 1.78	\$ 0.57	\$ 0.57	\$ 0.55	\$ 1.69	\$ 2.28	\$ 2.05	\$ 2.31
Implied DCF per common unit and common unit equivalent ⁽⁸⁾	\$ 0.62	\$ 0.54	\$ 0.62	\$ 1.78	\$ 0.56	\$ 0.57	\$ 0.55	\$ 1.68	\$ 2.26	\$ 2.05	\$ 2.29
Cash distribution paid per common unit	\$ 0.2675	\$ 0.2675	\$ 0.2675	\$ 0.8025	\$ 0.1800	\$ 0.2175	\$ 0.2175	\$ 0.6150	\$ 0.8325	\$ 0.7200	\$ 0.9000
Common unit cash distributions ⁽⁶⁾	\$ 187	\$ 187	\$ 187	\$ 560	\$ 127	\$ 153	\$ 152	\$ 432	\$ 584	\$ 517	\$ 655
Common unit distribution coverage ratio	2.37x	1.98x	2.30x	2.22x	3.16x	2.61x	2.53x	2.74x	2.73x	2.84x	2.57x
Implied DCF excess	\$ 256	\$ 184	\$ 244	\$ 685	\$ 274	\$ 247	\$ 233	\$ 753	\$ 1,012	\$ 949	\$ 1,028

(1) Amounts may not recalculate due to rounding.

(2) Please refer to the "Reconciliation to Adjusted EBITDA and Adjusted Net Income Attributable to PAA" table, where we reconcile Net Income to Adjusted EBITDA and Adjusted EBITDA attributable to PAA.

(3) Excludes certain non-cash items impacting interest expense such as amortization of debt issuance costs and terminated interest rate swaps.

(4) Investment capital expenditures attributable to noncontrolling interests that reduce Implied DCF available to PAA common unitholders.

(5) Comprised of cash distributions received from unconsolidated entities less equity earnings in unconsolidated entities (adjusted for our proportionate share of depreciation and amortization, including write-downs related to cancelled projects, gains and losses on significant asset sales by such entities and selected items impacting comparability of unconsolidated entities).

(6) Cash distributions paid during the period presented.

(7) Implied DCF Available to Common Unitholders for the period divided by the weighted average common units outstanding for the period.

(8) Implied DCF Available to Common Unitholders for the period, adjusted for Series A preferred unit cash distributions paid, divided by the weighted average common units and common unit equivalents outstanding for the period. Our Series A preferred units are convertible into common units, generally on a one-for-one basis and subject to customary anti-dilution adjustments, in whole or in part, subject to certain minimum conversion amounts.

Net Income/(Loss) Per Common Unit to Implied DCF Per Common Unit and Common Unit Equivalent Reconciliation ^{(1) (2)}

Implied DCF Per Common Unit

	Three Months Ended			YTD	Three Months Ended			YTD	Twelve Months Ended		
	Mar 31, 2023	Jun 30, 2023	Sep 30, 2023	Sep 30, 2023	Mar 31, 2022	Jun 30, 2022	Sep 30, 2022	Sep 30, 2022	Dec 31, 2022	Dec 31, 2021	Dec 31, 2020
Basic net income/(loss) per common unit	\$ 0.52	\$ 0.32	\$ 0.20	\$ 1.04	\$ 0.19	\$ 0.22	\$ 0.48	\$ 0.89	\$ 1.19	\$ 0.55	\$ (3.83)
Reconciling items per common unit	0.11	0.21	0.42	0.74	0.38	0.35	0.07	0.80	1.09	1.50	6.14
Implied DCF per common unit	<u>\$ 0.63</u>	<u>\$ 0.53</u>	<u>\$ 0.62</u>	<u>\$ 1.78</u>	<u>\$ 0.57</u>	<u>\$ 0.57</u>	<u>\$ 0.55</u>	<u>\$ 1.69</u>	<u>\$ 2.28</u>	<u>\$ 2.05</u>	<u>\$ 2.31</u>

Implied DCF Per Common Unit and Common Unit Equivalent

	Three Months Ended			YTD	Three Months Ended			YTD	Twelve Months Ended		
	Mar 31, 2023	Jun 30, 2023	Sep 30, 2023	Sep 30, 2023	Mar 31, 2022	Jun 30, 2022	Sep 30, 2022	Sep 30, 2022	Dec 31, 2022	Dec 31, 2021	Dec 31, 2020
Basic net income/(loss) per common unit	\$ 0.52	\$ 0.32	\$ 0.20	\$ 1.04	\$ 0.19	\$ 0.22	\$ 0.48	\$ 0.89	\$ 1.19	\$ 0.55	\$ (3.83)
Reconciling items per common unit and common unit equivalent	0.10	0.22	0.42	0.74	0.37	0.35	0.07	0.79	1.07	1.50	6.12
Implied DCF per common unit and common unit equivalent	<u>\$ 0.62</u>	<u>\$ 0.54</u>	<u>\$ 0.62</u>	<u>\$ 1.78</u>	<u>\$ 0.56</u>	<u>\$ 0.57</u>	<u>\$ 0.55</u>	<u>\$ 1.68</u>	<u>\$ 2.26</u>	<u>\$ 2.05</u>	<u>\$ 2.29</u>

(1) Amounts may not recalculate due to rounding.

(2) For information regarding our reconciliation of net income per common unit to Implied DCF per common unit and common unit equivalent, please refer to our latest issued PAA & PAGP Earnings Release.

Free Cash Flow (in millions): ⁽¹⁾
Free Cash Flow and Free Cash Flow after Distributions Reconciliation

	2023				2022					2021	2020
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	YTD	YTD
Net cash provided by operating activities	\$ 743	\$ 888	\$ 85	\$ 1,716	\$ 340	\$ 792	\$ 941	\$ 335	\$ 2,408	\$ 1,996	\$ 1,514
Adjustments to reconcile Net cash provided by operating activities to Free Cash Flow:											
Net cash provided by/(used in) investing activities	158	(165)	(438)	(444)	(81)	(42)	(168)	(235)	(526)	386	(1,093)
Cash contributions from noncontrolling interests	—	—	53	53	—	—	26	—	26	1	12
Cash distributions paid to noncontrolling interests ⁽²⁾	(78)	(73)	(86)	(237)	(59)	(62)	(73)	(104)	(298)	(14)	(10)
Free Cash Flow	\$ 823	\$ 650	\$ (386)	\$ 1,088	\$ 200	\$ 688	\$ 726	\$ (4)	\$ 1,610	\$ 2,369	\$ 423
Cash distributions ⁽³⁾	(242)	(246)	(250)	(738)	(164)	(215)	(189)	(214)	(782)	(715)	(853)
Free Cash Flow after Distributions	\$ 581	\$ 404	\$ (636)	\$ 350	\$ 36	\$ 473	\$ 537	\$ (218)	\$ 828	\$ 1,654	\$ (430)

(1) Amounts may not recalculate due to rounding.

(2) Cash distributions paid during the period presented.

(3) Cash distributions paid to our preferred and common unitholders during the period presented.

Segment Information (dollars in millions) ^{(1) (2)}

Segment Adjusted EBITDA ⁽³⁾

	2023				2022					2021					2020				
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Crude Oil Segment Adjusted EBITDA	\$ 517	\$ 529	\$ 553	\$ 1,600	\$ 453	\$ 494	\$ 536	\$ 504	\$ 1,986	\$ 474	\$ 553	\$ 459	\$ 423	\$ 1,909	\$ 638	\$ 472	\$ 639	\$ 465	\$ 2,216
NGL Segment Adjusted EBITDA	192	62	99	352	161	120	86	151	518	69	21	54	141	285	153	49	38	89	327
Segment Adjusted EBITDA	\$ 709	\$ 591	\$ 652	\$ 1,952	\$ 614	\$ 614	\$ 622	\$ 655	\$ 2,504	\$ 543	\$ 574	\$ 513	\$ 564	\$ 2,194	\$ 791	\$ 521	\$ 677	\$ 554	\$ 2,543
Adjusted other income/(expense), net ⁽⁴⁾	6	6	10	22	—	1	1	4	6	—	1	1	—	2	2	1	1	—	3
Adjusted EBITDA attributable to PAA ⁽⁵⁾	\$ 715	\$ 597	\$ 662	\$ 1,974	\$ 614	\$ 615	\$ 623	\$ 659	\$ 2,510	\$ 543	\$ 575	\$ 514	\$ 564	\$ 2,196	\$ 793	\$ 522	\$ 678	\$ 554	\$ 2,546

Segment Operational Information

	2023				2022					2021					2020				
	Q1	Q2	Q3	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Crude Oil Segment Volumes:																			
Crude oil pipeline tariff volumes ⁽⁶⁾⁽⁸⁾	8,280	8,392	8,259	8,310	7,159	7,417	7,581	8,094	7,565	5,430	6,006	6,162	7,202	6,205	6,974	5,656	5,868	5,835	6,082
Commercial crude oil storage capacity ⁽⁷⁾⁽⁸⁾	72	72	72	72	72	72	72	72	72	73	73	73	72	73	78	79	81	76	79
Crude oil lease gathering purchases ⁽⁶⁾	1,428	1,408	1,455	1,430	1,361	1,368	1,390	1,409	1,382	1,174	1,352	1,372	1,419	1,330	1,318	1,077	1,147	1,155	1,174
NGL Segment Volumes ⁽⁶⁾:																			
NGL fractionation	144	83	107	111	134	137	121	155	137	144	129	119	127	129	154	122	110	129	129
NGL pipeline tariff volumes	194	147	193	178	176	187	182	222	192	183	181	165	189	179	187	194	180	177	184
Propane and butane sales ⁽⁹⁾	138	39	44	73	134	58	56	128	94	185	70	59	125	110	179	53	67	139	110

(1) Amounts may not recalculate due to rounding.

(2) During the fourth quarter of 2021, we reorganized our historical operating segments: Transportation, Facilities and Supply and Logistics into two operating segments: Crude Oil and Natural Gas Liquids (“NGL”). The change in our segments stems from several factors including, (i) a multi-year transition in the midstream energy industry driven by increased competition that has reduced the stand alone earnings opportunities of our supply and logistics activities such that those activities now function as a business development effort to help maximize the utilization of our Crude Oil and NGL assets and (ii) internal changes regarding the oversight and reporting of our assets and related results of operations. All segment data and related disclosures for earlier periods presented herein have been recast to reflect the new segment reporting structure.

(3) During the fourth quarter of 2021, we modified our definition of Segment Adjusted EBITDA to exclude amounts attributable to noncontrolling interests. In connection with the Plains Oryx Permian Basin joint venture formation in October 2021, our Chief Operating Decision Maker (“CODM”) determined this modification resulted in amounts that were more meaningful to evaluate segment performance. Amounts for prior periods have been recast to reflect this modification.

(4) Represents “Other income/(expense), net” as reported on our Condensed Consolidated Statements of Operations, adjusted for selected items impacting comparability. See the “Selected Items Impacting Comparability” table for additional information.

(5) See the “Net Income/(Loss) to Adjusted EBITDA attributable to PAA Reconciliation” table for reconciliation to Net Income/(Loss).

(6) Average daily volumes calculated as the total volumes (attributable to our interest for assets owned by unconsolidated entities or undivided joint interests) for the period divided by the number of days in the period. Volumes associated with acquisitions represent total volumes for the number of days we actually owned the assets divided by the number of days in the period.

(7) Average monthly capacity calculated as total volumes for the period divided by the number of months in the period.

(8) Includes volumes (attributable to our interest) from assets owned by unconsolidated entities.

(9) During the fourth quarter of 2022, we modified our sales volumes reported to include only propane and butane sales. Prior to the fourth quarter of 2022, our reported sales volumes included other NGL products, primarily ethane, that represented a significant portion of our total NGL sales volumes but did not contribute significantly to Segment Adjusted EBITDA. Sales volumes for earlier periods presented herein have been recast to include only propane and butane.