

# Enerplus Announces 2023 Year End Reserves Results

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Readers are advised to review the "Notice Regarding Information Contained in this News Release" at the conclusion of this release for information regarding the presentation of the reserves information contained in this news release, including definitions of, and differences between, "Canadian NI 51-101 Standards" and "U.S. Standards" used herein.

All amounts in this news release are stated in United States dollars unless otherwise specified.

CALGARY, Feb. 21, 2024 - [Enerplus Corp.](#) ("Enerplus" or the "Company") (TSX: ERF) (NYSE: ERF) today reported year-end reserves under Canadian NI 51-101 Standards and U.S. Standards.

## YEAR END 2023 RESERVES SUMMARY

Canadian NI 51-101 Standards - before deduction of royalties ("gross"), forecast prices, U.S. dollars:

- Gross proved plus probable ("2P") reserves were 585.1 MMBOE, a decrease of 3% year-over-year, with reserves largely offsetting production, technical revisions, economic factors and dispositions.
- Gross 2P reserves in North Dakota were 422.9 MMBOE, approximately flat to year-end 2022.
- Enerplus added 33.0 MMBOE of gross 2P reserves from North Dakota in 2023 (including technical revisions and economic factors), replacing 100% of 2023 North Dakota production.
- In North Dakota, gross 2P finding and development ("F&D") costs were \$20.67 per BOE, including future development ("FDC").

U.S. Standards - after deduction of royalties ("net"), constant prices, U.S. dollars:

- Net total proved reserves were 281.8 MMBOE, a decrease of 13% year-over-year, primarily due to Marcellus volume revisions as a result of the approximately 60% lower constant natural gas price assumption used for the year-end reserves.
- Net proved reserves in North Dakota decreased 2% compared to year-end 2022.
- Enerplus added 24.4 MMBOE of net proved reserves from North Dakota in 2023 (including technical revisions and economic factors), replacing 92% of 2023 North Dakota production.
- In North Dakota, net proved F&D costs were \$26.08 per BOE, including FDC.

"Enerplus' high-quality inventory life in North Dakota continues to support a sustainable long-term outlook for our business," said Ian C. Dundas, President and CEO. "Our track record of consistent operational execution continues to deliver reserves at competitive costs."

## YEAR-END RESERVES EVALUATIONS

### Reserves Summary

The following information sets out Enerplus' gross and net (prepared in accordance with Canadian NI 51-101 Standards and U.S. Standards) crude oil, natural gas liquids ("NGLs") and natural gas reserves volumes as of December 31, 2023. Under different price scenarios, these reserves could vary as a change in price can affect the economic value associated with a property. For additional information regarding Enerplus' crude oil, NGLs and natural gas reserves as of December 31, 2023, see Enerplus' Annual Information Form for the year ended December 31, 2023 (the "AIF") on Enerplus' SEDAR+ profile at [www.sedarplus.ca](http://www.sedarplus.ca), and Enerplus' U.S. Form 40-F for the year ended December 31, 2023 (the "Form 40-F") on EDGAR at [www.sec.gov](http://www.sec.gov), each of which are anticipated to be filed on February 22, 2024.

2023 Gross and Net Proved plus Probable Reserves Summary - Canadian NI 51-101 Standards (Forecast prices) <sup>(1)(2)</sup>

	Tight Oil (Mbbbls)	Natural Liquids (Mbbbls)	Gas Shale (MMcf)	Gas Total (MBOE)
Gross				
Proved developed producing	84,951	18,507	682,666	217,235
Proved developed non-producing	1,059	125	11,233	3,057
Proved undeveloped	91,362	15,865	252,239	149,267
Total proved	177,372	34,497	946,138	369,559
Total probable	133,072	24,522	347,434	215,500
Gross Proved plus Probable	310,444	59,019	1,293,572	585,059
Net				
Proved developed producing	68,255	14,894	550,699	174,933
Proved developed non-producing	861	102	9,116	2,482
Proved undeveloped	73,142	12,699	204,186	119,872
Total proved	142,258	27,695	764,002	297,287
Total probable	106,680	19,684	283,868	173,675
Net Proved plus Probable	248,938	47,379	1,047,871	470,962

Notes:

(1) Volumes are calculated in accordance with Canadian NI 51-101 Standards, using gross reserves (being the Company's working interest share before deduction of royalty interests and without including any of the Company's royalty interests) and net reserves (being the Company's working interest share after deduction of royalty interests plus the Company's royalty interests), forecast prices and escalating costs. For additional information regarding the forecast prices used and Canadian NI 51-101 Standards, see "Price Assumptions Used Under U.S. Standards and Canadian NI 51-101 Standards" and "Notice Regarding Information Contained in this News Release - Presentation of Reserves Information" in this news release.

(2) Tables may not add due to rounding.

2023 Net Proved Reserves Summary - U.S. Standards (Constant prices) <sup>(1)(2)</sup>

	Tight Oil (Mbbbls)	Natural Liquids (Mbbbls)	Gas Shale (MMcf)	Gas Total (MBOE)
Net				
Proved developed producing	68,884	14,934	511,573	169,080
Proved developed non-producing	871	104	8,142	2,332
Proved undeveloped	73,360	12,751	145,611	110,379
Total Proved	143,115	27,789	665,325	281,792

# Notes:

(1) Volumes are calculated in accordance with U.S. Standards, using net reserves (being the Company's working interest share after deduction of royalty interests plus the Company's royalty interests) and constant prices (being the unweighted arithmetic average of the first-day-of-the-month price for the applicable product for each of the twelve months in 2023) and costs. For additional information regarding U.S. Standards, see "Notice Regarding Information Contained in this News Release - Presentation of Reserves Information" in this news release.

(2) Tables may not add due to rounding.  
Reserves Reconciliation

## 2023 Net Proved Reserves Reconciliation - Canadian NI 51-101 Standards (Forecast prices) <sup>(1)(2)</sup>

	Tight Oil (Mbbbls)	Natural Gas Liquids (Mbbbls)	Shale Gas (MMcf)	Total (MBOE)
Proved Reserves at Dec. 31, 2022	144,684	26,179	863,419	314,766
Acquisitions	-	-	-	-
Dispositions	(965)	(121)	(1,094)	(1,268)
Discoveries	-	-	-	-
Extensions & improved recovery	25,767	3,882	40,556	36,409
Economic factors	(167)	(74)	(4,790)	(1,039)
Technical revisions	(8,529)	1,998	(51,315)	(15,083)
Production	(18,532)	(4,170)	(82,775)	(36,498)
Proved Reserves at Dec. 31, 2023	142,258	27,695	764,002	297,287

# Notes:

(1) Volumes are calculated in accordance with Canadian NI 51-101 Standards, using net reserves (being the Company's working interest share after deduction of royalty interests), forecast prices and escalating costs. For additional information regarding the forecast prices used and Canadian NI 51-101 Standards, see "Notice Regarding Information Contained in this News Release - Presentation of Reserves Information" at the conclusion of this news release.

(2) Tables may not add due to rounding.

## 2023 Net Proved Reserves Reconciliation - U.S. Standards (Constant prices) <sup>(1)(2)</sup>

	Tight Oil (Mbbbls)	Natural Gas Liquids (Mbbbls)	Shale Gas (MMcf)	Total Gas (MBOE)
Proved Reserves at Dec. 31, 2022	148,953	27,100	877,468	322,298
Purchases of reserves in place	-	-	-	-
Sales of reserves in place	(952)	(119)	(1,079)	(1,251)
Discoveries and extensions	28,551	4,303	40,173	39,549
Revisions of previous estimates	(14,905)	675	(168,462)	(42,307)
Improved recovery	-	-	-	-
Production	(18,532)	(4,170)	(82,775)	(36,498)
Proved Reserves at Dec. 31, 2023	143,115	27,789	665,325	281,792

Notes:

(1) Volumes are calculated in accordance with U.S. Standards, using net reserves (being the Company's working interest share after deduction of royalty interests plus the Company's royalty interests) and constant prices (being the unweighted arithmetic average of the first-day-of-the-month price for the applicable product for each of the twelve months in 2023) and costs. For additional information regarding U.S. Standards, see "Notice Regarding Information Contained in this News Release - Presentation of Reserves Information" at the conclusion of this news release.

(2) Tables may not add due to rounding.

2023 Gross Proved and Proved plus Probable Reserves Reconciliations - Canadian NI 51-101 Standards (Forecast prices) <sup>(1)(2)</sup>

	Tight Oil (Mbbbls)	Natural Gas Liquids (Mbbbls)	Shale Gas (MMcf)	Total Gas (MBOE)
Proved Reserves at Dec. 31, 2022	180,273	32,592	1,074,204	391,899
Acquisitions	-	-	-	-
Dispositions	(1,205)	(151)	(1,366)	(1,585)
Discoveries	-	-	-	-
Extensions & improved recovery	32,235	4,856	45,202	44,625
Economic factors	(208)	(92)	(7,812)	(1,602)
Technical revisions	(10,834)	2,446	(61,052)	(18,563)
Production	(22,889)	(5,154)	(103,037)	(45,215)
Proved Reserves at Dec. 31, 2023	177,372	34,497	946,138	369,559

	Tight Oil (Mbbbls)	Natural Liquids (Mbbbls)	Gas Shale (MMcf)	Gas Total (MBOE)
Proved plus Probable Reserves at Dec. 31, 2022	317,136	56,335	1,365,908	601,123
Acquisitions	-	-	-	-
Dispositions	(1,474)	(199)	(1,726)	(1,961)
Discoveries	-	-	-	-
Extensions & improved recovery	42,207	5,275	64,819	58,285
Economic factors	(240)	(112)	(6,852)	(1,494)
Technical revisions	(24,296)	2,873	(25,540)	(25,680)
Production	(22,889)	(5,154)	(103,037)	(45,215)
Proved plus Probable Reserves at Dec. 31, 2023	310,444	59,019	1,293,572	585,059

Notes:

(1) Volumes are calculated in accordance with Canadian NI 51-101 Standards, using gross reserves (being the Company's working interest share before deduction of royalty interests), forecast prices and escalating costs. For additional information regarding the forecast prices used and Canadian NI 51-101 Standards, see "Notice Regarding Information Contained in this News Release - Presentation of Reserves Information" at the conclusion of this news release.

(2) Tables may not add due to rounding.

Price Assumptions Used Under Canadian NI 51-101 Standards and U.S. Standards

Forecast prices and cost escalation used under Canadian NI 51-101 Standards <sup>(1)</sup>				Constant prices used under U.S. Standards <sup>(2)</sup>			
Year	WTI Crude Oil US\$/bbl	U.S. Henry Hub Gas Price US\$/MMBtu	Hub Inflation Rate %/year	WTI Crude Oil US\$/bbl	U.S. Henry Hub Gas Price US\$/MMBtu	Hub Inflation Rate %/year	
2024	73.67	2.75	0.0	2024+ 78.21	2.59	n/a	
2025	74.98	3.64	2.0				
2026	76.14	4.02	2.0				
2027	77.66	4.10	2.0				
2028	79.22	4.18	2.0				
2029	80.80	4.27	2.0				
2030	82.42	4.35	2.0				
2031	84.06	4.44	2.0				
2032	85.74	4.53	2.0				
2033	87.46	4.62	2.0				
2034	89.21	4.71	2.0				
2035	90.99	4.81	2.0				
2036	92.81	4.90	2.0				
2037	94.67	5.00	2.0				
2038	96.56	5.10	2.0				
Thereafter <sup>(3)</sup>		(3)	2.0				

## Notes:

(1) Represents the average commodity price forecasts and inflation rates of McDaniel & Associates Consultants Ltd, GLJ Ltd. and Sproule Associates Limited as of January 1, 2024, and assume no legislative or regulatory amendments.

(2) Represents the unweighted arithmetic average of the first-day-of-the-month price for that product for each of the twelve months in 2023. Under the U.S. Standards costs are not inflated.

(3) Escalation is approximately 2% per year thereafter.  
Future Development Costs

Changes in forecast FDC occur annually as a result of development activities, acquisition and divestment activities and capital cost estimates that reflect the evaluators' best estimate of the capital required to bring the proved and proved plus probable reserves on production. The aggregate of the exploration and development costs incurred in the most recent year and the change during the year in estimated FDC generally reflect the total finding and development costs related to reserves additions for that year.

The following is a summary of the estimated FDC required to bring the total proved and proved plus probable reserves on production:

	Canadian NI 51-101 Standards <sup>(1)(2)</sup>		U.S. Standards <sup>(1)(2)</sup>
Future Development Costs	Proved	Proved Plus	Proved
	Reserves	Probable Reserves	Reserves
(US\$ millions)			
2024	411	411	405
2025	479	479	466
2026	436	436	408
2027	301	400	283
2028	1	435	-
2029	-	403	-
Remainder	-	606	-
Total FDC Undiscounted	1,628	3,170	1,562
Total FDC Discounted at 10%	1,374	2,287	1,321

Note:

(1) FDC under Canadian NI 51-101 Standards are inflated as per the price assumption table in the section above. FDC under U.S. Standards are not inflated.

(2) Tables may not add due to rounding.

Electronic copies of the AIF and Form 40-F, along with Enerplus' 2023 MD&A and Financial Statements and other public information including investor presentations, are available on the Company's website at [www.enerplus.com](http://www.enerplus.com). For further information, please contact Investor Relations at 1-800-319-6462 or email [investorrelations@enerplus.com](mailto:investorrelations@enerplus.com).

## About Enerplus

Enerplus is an independent North American oil and gas exploration and production company focused on creating long-term value for its shareholders through a disciplined, returns-based capital allocation strategy and a commitment to safe, responsible operations. For more information, visit the Company's website at [www.enerplus.com](http://www.enerplus.com).

## NOTICE REGARDING INFORMATION CONTAINED IN THIS NEWS RELEASE

### Barrels of Oil Equivalent

This news release also contains references to "BOE" (barrels of oil equivalent), "MBOE" (one thousand barrels of oil equivalent), and "MMBOE" (one million barrels of oil equivalent). Enerplus has adopted the standard of six thousand cubic feet of gas to one barrel of oil (6 Mcf: 1 bbl) when converting natural gas to BOEs. BOE, MBOE and MMBOE may be misleading, particularly if used in isolation. The foregoing conversion ratios are based on an energy equivalency conversion method primarily applicable at the burner tip and do not represent a value equivalency at the wellhead. Given that the value ratio based on the current price of oil as compared to natural gas is significantly different from the energy equivalent of 6:1, utilizing a conversion on a 6:1 basis may be misleading.

### Presentation of Reserves and Other Oil and Gas Information

All of the Company's reserves have been evaluated in accordance with Canadian reserve evaluation standards under National Instrument 51-101 - Standards of Disclosure for Oil and Gas Activities ("Canadian NI 51-101 Standards"). Independent reserves evaluations have been conducted on properties comprising 100% of the net present value (discounted at 10%, before tax, using January 1, 2024 forecast prices and costs) of the Company's total proved plus probable reserves. McDaniel & Associates Consultants Ltd. ("McDaniel"), an independent petroleum consulting firm based in Calgary, Alberta, has evaluated all of the proved plus probable reserves associated with the Company's properties located in North Dakota and Colorado. Netherland, Sewell & Associates, Inc. ("NSAI"), independent petroleum consultants based in Dallas, Texas, has evaluated all of the Company's reserves associated with the Company's properties in Pennsylvania in accordance with Canadian NI 51-101 Standards. For consistency in the Company's reserves reporting, NSAI also used the average commodity price forecasts and inflation rates of McDaniel, GLJ Ltd. and Sproule Associates Limited, independent petroleum consultants, as of January 1, 2024 to prepare its report.

The Company has also presented certain reserves information effective December 31, 2023 in accordance with the provisions of the Financial Accounting Standards Board's ASC Topic 932 Extractive Activities - Oil and Gas ("ASC 932"), which generally utilize definitions and estimations of proved reserves that are consistent with Rule 4-10 of Regulation S-X promulgated by the U.S. Securities and Exchange Commission ("SEC Rules"), but does not necessarily include all of the disclosure required by the SEC disclosure standards set forth in Subpart 1200 of Regulation S-K (collectively, the "U.S. Standards"). Concurrent to the evaluation of the Company's Canadian NI 51-101 Standards reserves, McDaniel and NSAI prepared and reviewed estimates of the Company's reserves under the U.S. Standards. The practice of preparing production and reserves data under Canadian NI 51-101 Standards differs from the U.S. Standards. The primary differences between the two reporting requirements include:

- the Canadian NI 51-101 Standards require disclosure of proved and probable reserves, while the U.S. Standards require disclosure of only proved reserves;
- the Canadian NI 51-101 Standards require the use of forecast prices in the estimation of reserves, while the U.S. Standards require the use of 12-month average trailing historical prices, which are held constant;
- the Canadian NI 51-101 Standards require disclosure of reserves on a gross (before royalties) and net (after royalties) basis, while the U.S. Standards require disclosure on a net (after royalties) basis;
- the Canadian NI 51-101 Standards require disclosure of production on a gross (before royalties) basis, while the U.S. Standards require disclosure on a net (after royalties) basis;
- the Canadian NI 51-101 Standards require that reserves and other data be reported on a more granular product type basis than required by the U.S. Standards;
- the Canadian NI 51-101 Standards require that proved undeveloped reserves be reviewed annually for retention or reclassification if development has not proceeded as previously planned, while the U.S. Standards specify a five-year period after initial booking for the development of proved undeveloped reserves; and
- The SEC prohibits disclosure of oil and gas resources in SEC filings, including contingent resources, whereas Canadian securities regulatory authorities allow disclosure of oil and gas resources. Resources are different than, and should not be construed as, reserves.
- Canadian securities regulatory authorities require disclosure of independently-generated reserves data, whereas the SEC permits disclosure of internally-generated reserves data.

F&D costs presented in this news release are calculated (i), in the case of F&D costs for proved reserves, by dividing the sum of exploration and development costs incurred in the year plus the change in estimated future development costs in the year, by the additions to proved reserves in the year, and (ii) in the case of F&D costs for proved plus probable reserves, by dividing the sum of exploration and development costs incurred in the year plus the change in estimated future development costs in the year, by the additions to proved plus probable reserves in the year. The aggregate of the exploration and development costs incurred in the most recent financial year and the change during that year in estimated future development costs generally reflect total finding and development costs related to its reserves additions for that year. F&D costs are presented in U.S. dollars per net of gross BOE, as specified.

Complete disclosure of our oil and gas reserves and other oil and gas information presented in accordance with Canadian NI 51-101 Standards, as well as supplemental information presented in accordance with U.S. Standards, is contained within our AIF, which is available on our website at [www.enerplus.com](http://www.enerplus.com) and under our SEDAR+ profile at [www.sedarplus.ca](http://www.sedarplus.ca). Additionally, our AIF forms part of our Form 40-F that is filed with the U.S. Securities and Exchange Commission and is available on EDGAR at [www.sec.gov](http://www.sec.gov). Readers are also urged to review the Management's Discussion & Analysis and audited financial statements for the year ended December 31, 2023 filed on SEDAR+ and as part of our Form 40-F filed on EDGAR concurrently with this news release for more complete disclosure on our operations.



All references to "crude oil" in this news release include light and medium crude oil, heavy oil and tight oil on a combined basis. All references to "natural gas" in this news release include conventional natural gas and shale gas on a combined basis.

## FORWARD-LOOKING INFORMATION AND STATEMENTS

This news release contains certain forward-looking information and forward-looking statements within the meaning of applicable securities laws ("forward-looking information"). The use of any of the words "anticipate", "estimate", "believes" and similar expressions are intended to identify forward-looking information. In particular, but without limiting the foregoing, this news release contains forward-looking information pertaining to the following: the quantity of the Company's oil and gas reserves; forecast oil and natural gas prices in 2024 and in the future; and estimated future FDC. Additionally, statements relating to "reserves" are also deemed to be forward-looking information, as they involve the implied assessment, based on certain estimates and assumptions, that the reserves described exist in the quantities predicted or estimated and that the reserves can be profitably produced in the future.

The forward-looking information contained in this news release reflects several material factors, expectations and assumptions including, without limitation: that we will conduct our operations and achieve results of operations as anticipated; that our development plans will achieve the expected results; that lack of adequate infrastructure will not result in curtailment of production and/or reduced realized prices beyond our current expectations; current commodity prices, differentials and cost assumptions; the general continuance of current or, where applicable, assumed industry conditions; the continuation of assumed tax, royalty and regulatory regimes; the accuracy of the estimates of our reserve and contingent resource volumes; and the availability of third party services. We believe the material factors, expectations and assumptions reflected in the forward-looking information are reasonable but no assurance can be given that these factors, expectations and assumptions will prove to be correct.

The forward-looking information included in this news release is not a guarantee of future performance and should not be unduly relied upon. Such information involves known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking information including, without limitation: decreases in commodity prices or volatility in commodity prices; changes in realized prices of Enerplus' products from those currently anticipated; changes in the demand for or supply of our products, including global energy demand and including as a result of ongoing disruptions to global supply chains; unanticipated operating results, results from our capital spending activities or production declines; curtailment of our production due to low realized prices or lack of adequate infrastructure; changes in tax or environmental laws, royalty rates or other regulatory matters; inaccurate estimation of our oil and gas reserve and contingent resource volumes; increased costs; reliance on industry partners and third party service providers; and certain other risks detailed from time to time in our public disclosure documents (including, without limitation, those risks and contingencies described under "Risk Factors" in the AIF, "Risk Factors and Risk Management" in Enerplus' 2023 MD&A, and in our other public filings).

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The forward-looking information contained in this press release speaks only as of the date of this press release, and we do not assume any obligation to publicly update or revise such forward-looking information to reflect new events or circumstances, except as may be required pursuant to applicable laws.

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