



Yangarra Resources Ltd.
Management's Discussion and Analysis
For the year ended December 31, 2020

YANGARRA RESOURCES LTD.
MANAGEMENT'S DISCUSSION AND ANALYSIS

For the year ended December 31, 2020

(000's, CDN dollars, except per share and per unit)

Management's discussion and analysis ("MD&A") of the financial condition and the results of operations should be read in conjunction with the December 31, 2020 audited consolidated financial statements, together with the accompanying notes.

Additional information about Yangarra filed with Canadian securities commissions is available on-line at www.sedar.com.

The MD&A has been prepared using information that is current to March 4, 2021.

The financial information presented herein has been prepared on the basis of International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board. Throughout this discussion, percentage changes are calculated using numbers rounded to the decimal to which they appear. All references to dollar amounts are in Canadian dollars.

BOE Presentation – *Production information is commonly reported in units of barrel of oil equivalent ("boe"). For purposes of computing such units, natural gas is converted to equivalent barrels of oil using a conversion factor of six thousand cubic feet to one barrel of oil. This conversion ratio of 6:1 is based on an energy equivalent wellhead value for the individual products. Such disclosure of boe may be misleading, particularly if used in isolation. Readers should be aware that historical results are not necessarily indicative of future performance.*

Non-IFRS and Additional IFRS Measures

This document contains "funds flow from (used in) operations", which is an additional IFRS measure. The Company uses funds flow generated from (used in) operations as a key measure to demonstrate the Company's ability to generate funds to repay debt and fund future capital investment. This document also contains the terms "net debt or adjusted working capital (deficit)" and "netbacks", which are non-IFRS financial measures. The Company uses these measures to help evaluate its performance. These non-IFRS financial measures do not have any standardized meaning prescribed by IFRS and therefore may not be comparable to similar measures presented by other issuers.

Funds flow from operations

Yangarra's determination of funds flow from operations and funds flow from operations per share may not be comparable to that reported by other companies. Management uses funds flow from operations to analyze operating performance and leverage and considers funds flow from operations to be a key measure as it demonstrates the Company's ability to generate cash necessary to fund future capital investments and to repay debt, if applicable. Funds flow from operations is calculated using cash from operating activities before changes in non-cash working capital and decommissioning costs incurred. Yangarra presents funds flow from operations per share whereby per share amounts are calculated using weighted average shares outstanding consistent with the calculation of income per share.

The following table reconciles funds flow from operations to cash from operating activities, which is the most directly comparable measure calculated in accordance with IFRS:

	2020	2019	Year Ended	
	Q4	Q4	2020	2019
Cash from operating activities	\$ 19,192	\$ 25,469	\$ 43,872	\$ 81,205
Change in fair value of foreign exchange contracts	-	888	-	-
Decommissioning costs incurred	389	388	389	966
Non Cash Interest and Finance	-	-	1,304	-
Changes in non-cash working capital	(7,121)	(5,740)	(41)	10,065
Funds flow from operations	\$ 12,460	\$ 21,005	\$ 45,524	\$ 92,236

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Netbacks

The Company considers corporate netbacks to be a key measure as they demonstrate Yangarra's profitability relative to current commodity prices. Corporate netbacks are comprised of operating, field operating, funds flow from operations and net income / (loss) netbacks. Operating netback is calculated as the average sales price of its commodities (including realized gains on financial instruments) and then subtracts royalties, operating costs and transportation expenses. Field operating netback subtracts the realized gains on financial instruments, Funds flow from operations netback starts with the operating netback and further deducts general and administrative costs, finance expense and adds finance income. To calculate the net income (loss) netback, Yangarra takes the funds flow netback and deducts share-based compensation expense as well as depletion and depreciation charges, accretion expense, unrealized gains on financial instruments, any impairment or exploration and evaluation expense and deferred income taxes. There is no IFRS measure that is reasonably comparable to netbacks.

Funds flow from operations margins and Operating margins

Are calculated as the ratio of Funds flow from operations netbacks to sales price and operating netback to sales price.

Adjusted Net debt

Adjusted net debt, which represent current assets less current liabilities, excluding current derivative financial instruments, are used to assess efficiency, liquidity and the general financial strength of the Company. There is no IFRS measure that is reasonably comparable to net debt or adjusted working capital (deficit).

	Dec 31, 2020	Dec 31, 2019
Bank Debt	\$ 200,273	\$ 190,291
Accounts receivable	(18,691)	(24,591)
Prepaid expenses and inventory	(5,055)	(3,753)
Accounts payable and accrued liabilities	20,852	25,869
Foreign exchange contract	-	-
Adjusted net Debt	\$ 197,379	\$ 187,816

Adjusted earnings before interest, taxes, depletion & depreciation, amortization

Adjusted earnings before interest, taxes, depletion & depreciation, amortization ("Adjusted EBITDA") which represents EBITDA, excluding changes in derivative financial instruments are used to assess efficiency, liquidity and the general financial strength of the Company.

	2020	2019	Year Ended	
	Q4	Q4	2020	2019
Net income (loss) for the Period	\$ 4,276	\$ 7,020	\$ 4,847	\$ 43,313
Finance	3,191	1,815	15,406	7,929
Deferred tax expense	1,478	2,385	2,542	4,665
Depletion, depreciation and impairment	6,779	9,630	30,257	38,413
Change in fair value of commodity contracts	(807)	512	(312)	450
Foreign exchange transactions	-	(358)	-	-
Adjusted EBITDA	\$ 14,917	\$ 21,004	\$ 52,740	\$ 94,770

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Working Capital deficit (surplus)

Working capital deficit (surplus) is the total of current assets less the total of current liabilities and is used to assess efficiency, liquidity and the general financial strength of the Company

Forward-looking Statements – *Certain information regarding the Company set forth in this report, including management's assessment of the Company's future plans and operations, contain forward-looking statements that involve substantial known and unknown risks and uncertainties. These risks and uncertainties, many of which are beyond the Company's control, include the impact of general economic conditions and specific industry conditions, volatility of commodity prices, currency fluctuations, imprecision of reserve estimates, environmental risks, competition from other producers, the lack of available qualified personnel or management, stock market volatility and ability to access sufficient capital from internal and external sources. The Company's actual results, performance or achievements could differ materially from those expressed in, or implied by, these forward-looking statements, and accordingly, no assurance can be given that any events anticipated by the forward-looking statements will transpire or occur, or if any of them do, what benefits the Company can derive from such events.*

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Overview

Yangarra Resources Ltd. ("**Yangarra**" or the "**Company**") is a junior oil and gas company engaged in the exploration, development and production of natural gas and oil with operations in Western Canada, with a main focus on the Cardium in Central Alberta, where the Company has extensive infrastructure and land holdings. Yangarra is dedicated to creating value for its shareholders through its commitment to a clear business strategy and performance objectives. The Company's strategy is to increase the value of its corporate assets through the drill bit and by assembling a large, focused land base in Central Alberta that features high-quality, long-life light oil and liquids-rich gas reserves. The Company has assembled a significant future drilling inventory and will strive to grow this inventory through drilling, geology and strategic acquisitions.

2020 Highlights

- Average Production of 9,888 boe/d (45% liquids) a decrease of 21% from 2019
- Oil and gas sales were \$85.7 million with funds flow from operations of \$45.5 million (\$0.53 per share - basic)
- Adjusted EBITDA (which excludes changes in derivative financial instruments) was \$52.7 million (\$0.62 per share - basic).
- Net income of \$4.8 million (\$0.06 per share - basic) or \$7.4 million before tax, resulting in a net income margin of 6%
- Operating costs were \$6.32/boe (including \$1.06/boe of transportation costs)
- Operating netbacks, which include the impact of commodity contracts, were \$16.02 per boe
- Operating margins were 68% and funds flow margins were 47%
- G&A costs of \$0.65/boe
- Royalties were 5% of oil and gas revenue
- Capital expenditures (including \$0.4 million of land) were \$51.4 million
- Net debt (which excludes the current derivative financial instruments) was \$197.4 million
- Retained earnings of \$109 million
- Corporate LMR is 7.6 with decommissioning liabilities of \$12.6 million (discounted)

Fourth Quarter Highlights

- Average production of 9,169 boe/d (45% liquids) during the quarter, a 27% decrease from the same period in 2019
 - Oil and gas sales were \$23.1 million, a decrease of 37% from the same period in 2019
 - Funds flow from operations of \$12.5 million (\$0.15 per share – basic), a decrease of 41% from the same period in 2019
 - Adjusted EBITDA (which excludes changes in derivative financial instruments) was \$14.9 million (\$0.19 per share - basic)
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- Net income of \$4.3 million (\$0.05 per share – basic, \$5.8 million before tax), a decrease of 39% from the same period in 2019
- Operating costs were \$6.05/boe (including \$1.03/boe of transportation costs)
- Field operating netbacks were \$19.77/boe
- Operating netbacks, which include the impact of commodity contracts, were \$19.39/boe
- Operating margins were 71% and funds flow from operations margins were 54%
- G&A costs of \$0.89/boe
- Royalties were 6% of oil and gas revenue
- All in cash costs were \$12.19/boe
- Capital expenditures were \$15.2 million
- Net Debt to fourth quarter annualized funds flow from operations was 3.96 : 1

Operations Update

Yangarra set its 2021 capital budget of \$60 million prior to the announcement of multiple COVID-19 vaccines when WTI prices hovered around US\$45.00/bbl. The general market tone has improved dramatically with spot prices increasing in excess of 40%. If commodity prices maintain current levels, Yangarra expects to keep one rig fully utilized for the year.

Yangarra has drilled and completed four wells to date in 2021. D&C costs for these wells continue to track with Yangarra's previous disclosure on well costs. The wells have been brought on production and early indications are the wells meet area average type-curves.

As a result of inclement weather & completions activity, January & February production was negatively impacted. This production is now back on-stream.

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Financial Information

	2020	2019	Year Ended	
	Q4	Q4	2020	2019
Statements of Comprehensive Income				
Petroleum & natural gas sales	\$ 23,064	\$ 35,990	\$ 85,699	\$ 143,976
Net income (loss) (before tax)	\$ 5,754	\$ 9,405	\$ 7,389	\$ 47,978
Net income (loss)	\$ 4,276	\$ 7,020	\$ 4,847	\$ 43,313
Net income (loss) per share - basic	\$ 0.05	\$ 0.08	\$ 0.06	\$ 0.51
Net income (loss) per share - diluted	\$ 0.05	\$ 0.08	\$ 0.06	\$ 0.51
Statements of Cash Flow				
Funds flow from operations	\$ 12,460	\$ 21,005	\$ 45,524	\$ 92,236
Funds flow from operations per share - basic	\$ 0.15	\$ 0.25	\$ 0.53	\$ 1.08
Funds flow from operations per share - diluted	\$ 0.15	\$ 0.25	\$ 0.53	\$ 1.08
Cash from operating activities	\$ 19,192	\$ 25,469	\$ 43,872	\$ 81,205
Statements of Financial Position				
Property and equipment	\$ 563,290	\$ 541,799	\$ 563,290	\$ 541,799
Total assets	\$ 609,989	\$ 592,195	\$ 609,989	\$ 592,195
Working capital deficit (surplus)	\$ (6)	\$ (906)	\$ (6)	\$ (906)
Adjusted Net Debt	\$ 197,379	\$ 187,712	\$ 197,379	\$ 187,712
Shareholders equity	\$ 312,260	\$ 303,643	\$ 312,260	\$ 303,643
Weighted average number of shares - basic	85,380	85,370	85,380	85,364
Weighted average number of shares - diluted	85,588	85,708	85,783	85,701

Business Environment

	2020	2019	Year Ended	
	Q4	Q4	2020	2019
Realized Pricing (Including realized commodity contracts)				
Oil (\$/bbl)	\$ 55.13	\$ 67.06	\$ 47.64	\$ 69.46
NGL (\$/bbl)	\$ 24.32	\$ 19.65	\$ 18.45	\$ 25.83
Gas (\$/mcf)	\$ 2.64	\$ 2.48	\$ 2.28	\$ 1.80
Realized Pricing (Excluding commodity contracts)				
Oil (\$/bbl)	\$ 55.13	\$ 67.06	\$ 47.59	\$ 69.46
NGL (\$/bbl)	\$ 24.43	\$ 18.03	\$ 18.49	\$ 24.31
Gas (\$/mcf)	\$ 2.75	\$ 2.48	\$ 2.34	\$ 1.80
Oil Price Benchmarks				
West Texas Intermediate ("WTI") (US\$/bbl)	\$ 42.66	\$ 56.95	\$ 39.40	\$ 57.03
Edmonton Par (\$/bbl)	\$ 50.24	\$ 68.05	\$ 45.34	\$ 69.16
Edmonton Par to WTI differential (US\$/bbl)	\$ (4.01)	\$ (5.40)	\$ (5.54)	\$ (4.90)
Natural Gas Price Benchmarks				
AECO gas (\$/mcf)	\$ 2.64	\$ 2.48	\$ 2.23	\$ 1.71
Foreign Exchange				
U.S./Canadian Dollar Exchange	0.77	0.76	0.75	0.75

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Crude oil prices decreased by 31% for the year ended December 31, 2020, with the West Texas Intermediate (“WTI”) reference price averaging US\$39.40/bbl compared with US\$57.03/bbl in the same period in 2019 due to the impact of COVID-19 on demand and the OPEC+ price war on US shale. Demand for crude oil is generally tied to global economic growth, but is also influenced by factors such as infrastructure, political instability, market uncertainty, weather conditions and government regulations.

Edmonton par differentials to WTI widened in the year ended December 31, 2020 when compared to the same period in 2019, moving from a US\$4.90/bbl differential in 2019 to US\$5.54/bbl in 2020. In the year ended December 31, 2020 the CDN/US foreign exchange rate was 0.75 compared to 0.75 for in 2019. The Edmonton par reference price is denominated in Canadian dollars so the change in the foreign exchange rate has increased the Edmonton par price relative to WTI. Edmonton par is the closest reference price point for Yangarra’s oil and therefore is the closest proxy to realized pricing.

When compared to 2019, realized pricing on oil decreased by 31%.

When compared to 2019, liquids pricing decreased by 24%, excluding commodity contracts, and decreased by 29% when the effects of commodity contracts are included, due to extremely low butane pricing during early 2020.

AECO natural gas prices increased from \$1.71/mcf in 2019 to \$2.23/mcf in 2020.

When compared to 2019, realized pricing on natural gas increased by 27%.

Results of Operations

Net petroleum and natural gas production, pricing and revenue

	2020	2019	Year Ended	
	Q4	Q4	2020	2019
Daily production volumes				
Natural gas (mcf/d)	30,322	41,483	32,404	39,663
Oil (bbl/d)	2,269	3,712	2,611	3,941
NGL's (bbl/d)	1,846	1,942	1,876	2,020
Combined (boe/d 6:1)	9,169	12,568	9,888	12,572
Revenue				
Petroleum & natural gas sales - Gross	\$ 23,064	\$ 35,990	\$ 85,699	\$ 143,976
Realized gain (loss) on commodity contract settlement	(323)	290	(658)	1,122
Total sales	22,741	36,280	85,041	145,098
Royalty expense	(1,283)	(2,879)	(4,213)	(10,760)
Total Revenue - Net of royalties	\$ 21,458	\$ 33,401	\$ 80,828	\$ 134,338

Total sales decreased by 41% in 2020 to \$85.0 million from \$145.1 million in 2019. The decrease is attributable to:

- a 25% decrease in average product prices
- a 21% decrease in production (on a boe basis)

The decrease in production is partially due to the 2,500 boe/d (52% liquids) that was shut-in for six weeks during the third quarter due to third-party infrastructure maintenance and partially due to natural declines combined with a reduced drilling program in 2020.

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Company Netbacks (\$/boe)

	2020		2019		Year Ended			
	Q4		Q4		2020	2019		
Sales price	\$	27.34	\$	31.13	\$	23.68	\$	31.37
Royalty expense		(1.52)		(2.49)		(1.16)		(2.34)
Production costs		(5.02)		(6.19)		(5.26)		(5.76)
Transportation costs		(1.03)		(1.11)		(1.06)		(1.08)
Field operating netback		19.77		21.34		16.20		22.19
Realized gain (loss) on commodity contract settlement		(0.38)		0.25		(0.18)		0.24
Operating netback		19.39		21.59		16.02		22.43
G&A		(0.89)		(1.17)		(0.65)		(0.65)
Cash Finance expenses		(3.73)		(1.53)		(4.21)		(1.68)
Depletion and depreciation		(8.04)		(8.33)		(8.36)		(8.37)
Non Cash - Finance expenses		(0.06)		(0.04)		(0.05)		(0.05)
Abandonment Expenses		(0.21)		(0.75)		(0.05)		(0.19)
Provision for Credit Losses		-		(0.57)		-		(0.14)
Stock-based compensation		(0.61)		(0.61)		(0.74)		(0.79)
Unrealized gain (loss) on financial instruments		0.96		(0.44)		0.09		(0.10)
Deferred income tax		(1.75)		(2.06)		(0.70)		(1.02)
Net Income netback	\$	5.06	\$	6.09	\$	1.34	\$	9.44

The overall average price earned by the Company was lower when compared to the year ended December 31, 2019 as Oil and NGL pricing was lower during the year due to the impact of COVID-19 and the OPEC+ price war.

Operating netbacks decreased by 29% for the year ended December 31, 2020 due to the pricing changes.

Royalty Expense

	2020		2019		Year Ended			
	Q4		Q4		2020	2019		
Royalty expense	\$	1,283	\$	2,879	\$	4,213	\$	10,760
Per boe	\$	1.52	\$	2.49	\$	1.16	\$	2.34
As a % of sales (including commodity contracts)		6%		8%		5%		7%
As a % of sales (excluding commodity contracts)		6%		8%		5%		7%

Royalties decreased to \$4.2 million for the year ended December 31, 2020 or 5% as a percentage of sales, respectively (excluding commodity contact settlements). The decrease is a result of higher gas cost allowance amounts due to the gas infrastructure spending in 2019 and lower royalty rates as a result of reduced commodity prices.

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Production and Transportation Costs

	2020		2019		Year Ended	
	Q4	Q4	Q4	Q4	2020	2019
Production costs	\$ 4,231	\$ 7,162	\$ 19,043	\$ 26,452		
Per boe	\$ 5.02	\$ 6.19	\$ 5.26	\$ 5.76		
Transportation costs	\$ 867	\$ 1,284	\$ 3,820	\$ 4,972		
Per boe	\$ 1.03	\$ 1.11	\$ 1.06	\$ 1.08		
Combined (\$/boe)	\$ 6.04	\$ 7.30	\$ 6.32	\$ 6.85		

Production and transportation costs decreased by 8% on a per boe basis when compared to 2019 due to the establishment of a construction division and other structural cost saving measures.

The Company's truck division has grown to 18 units. The Company has a full complement of company staffed crew trucks, pressure trucks, wire-line trucks and mechanical services which provide significant savings on operating costs. The majority of the Company's power requirements are internally generated by lease fuel fired generators or primary drivers which provide significant cost savings over grid supplied power.

Depletion and depreciation

	2020		2019		Year Ended	
	Q4	Q4	Q4	Q4	2020	2019
Depletion and depreciation	\$ 6,779	\$ 9,630	\$ 30,257	\$ 38,413		
Per boe	\$ 8.04	\$ 8.33	\$ 8.36	\$ 8.37		

Depletion and depreciation decreased in the year ended December 31, 2020 due to a decrease in production. On a per boe basis, depletion remained flat when compared 2019 due to stable finding and development costs in 2020.

General and administrative expenses ("G&A")

	2020		2019		Year Ended	
	Q4	Q4	Q4	Q4	2020	2019
Gross G&A expenses	\$ 967	\$ 1,649	\$ 3,123	\$ 4,602		
G&A recoveries	(212)	(292)	(763)	(1,624)		
Net G&A expenses	\$ 755	\$ 1,357	\$ 2,360	\$ 2,978		
Per boe	\$ 0.89	\$ 1.17	\$ 0.65	\$ 0.65		

G&A decreased by 21% on a net basis and decreased by 32% on a gross basis when compared to 2019 due mainly to the suspension of the Company's bonus program. G&A remained flat on a boe basis due to reduced production in 2020.

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Other expenses

	2020	2019	Year Ended	
	Q4	Q4	2020	2019
Finance				
Interest and Finance Expense	\$ 2,884	\$ 1,780	\$ 10,985	\$ 7,246
Interest on lease obligations	260	18	428	313
Realized gain on interest rate contract settlement	-	30	(28)	35
Change in fair value of interest rate contracts	(55)	(453)	3,742	(83)
Accretion of decommissioning liability	38	41	183	211
Accretion of debt issue costs	109	41	300	207
Accretion of lease obligations	(45)	-	(204)	-
Foreign exchange transactions	-	358	-	-
	\$ 3,191	\$ 1,815	\$ 15,406	\$ 7,929
Share-based compensation	\$ 515	\$ 700	\$ 2,692	\$ 3,630

Interest and financing fees for year ended December 31, 2020 include interest on the revolving operating demand loan (the average amount drawn in 2020 was \$193 million), servicing charges on the demand loan and the change in fair value of interest rate contracts.

The increase in cash interest expense is due to the revised pricing grid on the syndicated facility that was put in place at the end of the second quarter.

The Company had the following interest rate contracts in place as at December 31, 2020:

- Pay a floating rate to receive a 1.94% fixed rate on \$40 million (April 2021-April 2025)
- Pay a floating rate to receive a 1.42% fixed rate on \$40 million (April 2021-April 2025)
- Pay a floating rate to receive a 1.39% fixed rate on \$20 million (April 2021-April 2025)

The fair value on the interest rate contracts was (\$3,375) as at December 31, 2020 (December 31, 2019 – \$366).

During the year ended December 31, 2020, the Company granted options to purchase 6,680 (2019 – 500) common shares, with 50% vesting immediately and 50% vesting one year after the grant date. The fair value of the options was estimated at \$1,155 (2019 - \$455) using the Black-Scholes option pricing model. The Company cancelled options to purchase 6,970 (2019 – nil) common shares and the unamortized stock-based compensation was accelerated and recognized during the period.

Deferred Taxes

	2020	2019	YTD	
	Q4	Q4	2020	2019
Deferred income tax expense	\$ 1,478	\$ 2,385	\$ 2,542	\$ 4,665

Yangarra did not pay income taxes in 2020 and does not expect to pay income taxes in 2021 as it has sufficient tax pools to cover taxable income. The deferred taxes decreased when compared to 2019 due to the changes in corporate tax rates in Alberta and the lower net income for the year ended December 31, 2020.

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	Rate %	Year Ended	
		2020	2019
Canadian oil and gas property expenses	10	\$ 25,640	\$ 28,067
Canadian development expenses	30	227,745	199,458
Canadian exploration expenses	100	19,349	19,168
Undepreciated capital costs	10-30	46,025	62,718
Non-capital losses (various expiry dates)	100	1,031	1,262
Share issuance costs	5 Years	-	161
		<u>\$ 319,790</u>	<u>\$ 310,834</u>

Commodity price risk contracts

	2020		2019		Year Ended	
	Q4	Q4	Q4	Q4	2020	2019
Realized gain (loss) on commodity contract settlement	\$ (323)	\$ 290	\$ (658)	\$ 1,122	\$ (658)	\$ 1,122
Change in fair value of commodity contracts	807	(512)	312	(450)	312	(450)
	<u>\$ 484</u>	<u>\$ (222)</u>	<u>\$ (346)</u>	<u>\$ 672</u>	<u>\$ (346)</u>	<u>\$ 672</u>

As at December 31, 2020 the Company was committed to the following commodity price risk contracts in place:

Year	Volume	Term	Reference	Type	Strike Price
<u>Oil</u>					
2021	500 bbl/d	Jan to Mar	US\$ WTI	Swap	USD \$42.30/bbl
2021	500 bbl/d	Jan to Jun	US\$ WTI	Swap	USD \$44.70/bbl
<u>Gas</u>					
2020/2021	5,000 GJ/d	Jun 2020 to Mar 2021	AECO	Swap	CDN \$2.40/GJ
2020/2021	5,000 GJ/d	Nov 2020 to Mar 2021	AECO	Collar	CDN \$2.75/GJ - \$3.40/GJ
2021	5,000 GJ/d	Jan 2021 to Dec 2021	AECO	Swap	CDN \$2.805/GJ
<u>Propane</u>					
2021	200 bbl/d	Jan to Dec	Conway - C3 to Mont Belvieu C3	Basis Swap	Minus USD 0.01/Gallon

As the Company had a limited number of derivatives in place as at December 31, 2020 the sensitivity of the fair value of a 10 percent volatility in commodity prices would have an immaterial impact on unrealized gains (losses) reported in the consolidated statement of income and comprehensive income.

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Liquidity and Capital Resources

The following table summarizes the change in working capital during the nine months ended September 30, 2020 and year ended December 31, 2019:

	Year ended	
	December 31, 2020	December 31, 2019
Adjusted Net Debt - beginning of period	\$ (187,711)	\$ (155,882)
Funds flow from operations	45,524	92,236
Additions to property and equipment	(51,093)	(115,276)
Decommissioning costs incurred	(389)	(966)
Additions to E&E Assets	(426)	(5,723)
Issuance of shares	-	41
Provision for Credit Losses	-	(664)
Other	(3,284)	(1,477)
Adjusted Net Debt - end of period	\$ (197,379)	\$ (187,711)
Credit facility limit	\$ 210,000	\$ 225,000

As at December 31, 2020, the maximum amount available under the syndicated credit facility was \$210 million (December 31, 2019 – \$225 million) comprised of a \$185 million (December 31, 2019 – \$200 million) extendible revolving term credit facility and a \$25 million (December 31, 2019 – \$25 million) operating facility. The amount available under these facilities is re-determined at least twice a year and is primarily based on the Company's oil and gas reserves, the lending institution's forecast commodity prices, the current economic environment and other factors as determined by the syndicate of lending institutions (the "Borrowing Base"). If the total advances made under the credit facilities are greater than the re-determined Borrowing Base, the Company has 60 days to repay any shortfall. The maturity date of the facility is May 29, 2022 (the "Maturity Date") and the next Borrowing Base review is scheduled for May 30, 2021. The Maturity Date may be extended for 364-day periods pursuant to delivery of a request for extension by the Company within certain time periods specified in the syndicated credit facility agreement.

As at December 31, 2020, the \$200,273 (December 31, 2019 – \$190,291) reported amount of bank debt was comprised of \$16,240 (December 31, 2019 – \$15,767) drawn on the operating facility, \$184,501 (December 31, 2019 – \$174,766) drawn on the extendible revolving term credit facility and net of unamortized transaction costs of \$468 (December 31, 2019 – \$242).

The Company is subject to a single financial covenant requiring an adjusted working capital ratio above 1:1 (current assets plus the undrawn availability under the revolving facility, divided by the current liabilities less the drawn portion of the revolving facility and excluding unrealized commodity contracts). The Company was in compliance with this covenant as at December 31, 2020 and December 31, 2019. The facility is secured by a general security agreement over all assets of the Company.

The total standby fees range, depending on the debt to EBITDA ratio, between 200 bps to 400 bps on bank prime borrowings and between 300 bps and 500 bps on bankers' acceptances. The undrawn portion of the credit facility is subject to a standby fee in the range of 75 bps to 125 bps. During the year ended December 31, 2020, the weighted average effective interest rate for the bank debt was approximately 5.06% (2019 – 4.21%).

The Company intends to fund the 2021 budget with cash flow from operations and availability on the revolving operating demand loan.

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Capital Spending

	2020		2019		Year Ended	
	Q4	Q4	2020	2019	2020	2019
Cash additions						
Land, acquisitions and lease rentals	\$ (75)	\$ 38	\$ 324	\$ 344		
Drilling and completion	14,030	16,997	44,816	83,060		
Geological and geophysical	134	447	640	1,041		
Equipment	753	2,503	4,226	28,977		
Other asset additions	347	193	1,087	979		
	\$ 15,189	\$ 20,178	\$ 51,093	\$ 114,401		
Exploration & evaluation assets	\$ -	\$ 480	\$ 426	\$ 5,723		

The Company drilled 13 wells and completed 16 wells during the year.

Outlook

As a result of improving macro conditions, Yangarra's Board of Directors has approved a capital program of \$60 million for 2021. The Company's 2020 cost-cutting program has generated significant structural and sustainable per well savings on drilling and completions. Yangarra's most recent drilling and completions costs have averaged \$3.25 million per two-mile well, down 24% from an average of \$4.25 million over the last two years. As a result, the Company expects to drill & complete 17 wells for 2021.

With improved capital efficiencies, the Company requires \$40 million of capital to hold production flat at 10,000 boe/d. The Company expects to fund the growth wedge of \$20 million in capital spending through cash flow with the remaining free cash flow to be used toward debt repayment.

Decommissioning Liabilities

As at December 31, 2020, the undiscounted decommissioning obligation associated with the Company's existing properties was estimated to be \$13,432 for which \$12,613 has been recorded using a discount rate of 0.20% - 1.32% an inflation rate of 2% and an estimated weighted average timing of cash flows of 7.5 years.

Off Balance Sheet Arrangements

There were no off-balance sheet arrangements.

Share Capital

Details of changes in the number of outstanding equity instruments are detailed in the following table:

	Common Shares	Stock Options
Balance - December 31, 2019	85,380	8,498
Grant of options	-	6,680
Forfeited options	-	(6,970)
Exercise of options	-	-
Balance - December 31, 2020	85,380	8,208

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Contingency

In the normal conduct of operations, there are other pending claims by and against the Company. Litigation is subject to many uncertainties, and the outcome of individual matters is not predictable with assurance. In the opinion of management, based on the advice and information provided by its legal counsel, the final determination of these other litigations will not materially affect the Company's financial position or results of operations.

Contractual Obligations and Commitments

As at December 31, 2020 the contractual maturities of the Company's obligations are as follows:

	Carrying Amount	Contractual Cash Flows	Less than 1 year	1-2 Years	2-5 Years	More than 5 years
Accounts payable and accrued liabilities	20,852	20,852	20,852	-	-	-
Bank debt	200,273	200,850	-	200,850	-	-
Lease liabilities	5,129	6,014	2,077	1,842	2,095	-
Other long-term liabilities	36	36	36	-	-	-
Interest Rate Contracts	3,376	3,376	633	844	1,899	-
Commodity contracts	870	870	870	-	-	-
	230,536	231,998	24,468	203,536	3,994	-

Financial Instruments and Financial Risk Management

The Company's risk management policies are established to identify and analyze the risks faced by the Company, to set appropriate risk limits and controls, and to monitor risks and adherence to market conditions and the Company's activities. The Company has exposure to credit risk, liquidity risk and market risk as a result of its use of financial instruments. This note presents information about the Company's exposure to each of the above risks and the Company's objectives, policies and processes for measuring and managing these risks. Further quantitative disclosures are included throughout these financial statements. The Board of Directors has overall responsibility for the establishment and oversight of the Company's risk management framework. The Board has implemented and monitors compliance with the risk management policies as set out herein:

a. Credit risk

Credit risk is the risk of financial loss to the Company if a customer or counterparty to a financial instrument fails to meet its contractual obligations. A substantial portion of the Company's accounts receivable are with natural gas and liquids marketers and partners on joint operations in the oil and gas industry and are subject to normal industry credit risks.

Purchasers of the Company's natural gas and liquids are subject to credit review to minimize the risk of non-payment. As at December 31, 2020, the maximum credit exposure is the carrying amount of the accounts receivable of \$18,691 (December 31, 2019 – \$24,591). The maximum exposure to credit risk for accounts receivable as at December 31, 2020 and December 31, 2019 by type of customer was:

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	December 31, 2020	December 31, 2019
Natural gas and liquids marketers	\$ 8,632	\$ 12,406
Partners on joint operations	8,150	9,530
Realized commodity contracts	–	97
Provision for expected credit losses	–	(664)
Other	1,909	3,222
	<u>\$ 18,691</u>	<u>\$ 24,591</u>

Receivables from natural gas and liquids marketers are typically collected on the 25th day of the month following production. The Company has mitigated the credit risk associated with the natural gas and liquids marketer through a security arrangement with Computershare. The Company historically has not experienced any significant collection issues with its natural gas and liquids marketers. The majority of the revenue accruals and receivables from natural gas and liquids marketers were received in January 2021.

Receivables from partners on joint operations are typically collected within one to three months of the bill being issued to the partner. The Company mitigates the risk from receivables from partners on joint operations by obtaining partner approval of capital expenditures prior to starting a project. However, the receivables are from participants in the petroleum and natural gas sector, and collection is dependent on typical industry factors such as commodity price fluctuations, escalating costs and the risk of unsuccessful drilling. Further risk exists with partners on joint operations as disagreements occasionally arise which increases the potential for non-collection. For properties that are operated by the Company, production can be withheld from partners on joint operations who are in default of amounts owing. In addition, the Company often has offsetting amounts payable to partners on joint operations from which it can net receivable balances.

As at December 31, 2020 and December 31, 2019, the Company's receivables are aged as follows:

	December 31, 2020	December 31, 2019
Under 30 days	\$ 10,156	\$ 14,273
30 to 60 days	148	187
60 to 90 days	237	358
Over 90 days	8,150	9,773
	<u>\$ 18,691</u>	<u>\$ 24,591</u>

71% (2019 – 97%) of the over 90-day receivables are made up of three (2019 – four) industry partners. The Company has performed an analysis of each partner's financial situation and have determined they have the ability to pay. Included in the over 90-day receivables are balances with a significant portion in dispute with four of the industry partners (see note 15). The Company had a provision of expected credit losses during the year ended December 31, 2020 of \$nil (December 31, 2019 - \$664) as the previous year amount was removed due to an improvement in creditworthiness of the third party.

Risk management assets and liabilities consist of commodity contracts used to manage the Company's exposure to fluctuations in commodity prices. The Company manages the credit risk exposure related to risk management contracts by selecting investment grade counterparties and by

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not entering into contracts for trading or speculative purposes. During 2020 and 2019, the Company did not experience any collection issues with risk management contracts. The Company typically does not obtain or post collateral or security from its oil and natural gas marketers or financial institution counterparties. The carrying amounts of accounts receivable represent the maximum credit exposure.

b. Liquidity risk

Liquidity risk is the risk that the Company will incur difficulties meeting its financial obligations as they are due. The Company's approach to managing liquidity is to ensure, as far as possible, that it will have sufficient liquidity to meet its liabilities when due, under both normal and stressed conditions without incurring unacceptable losses or risking harm to the Company's reputation. The Company prepares annual capital expenditure budgets, which are regularly monitored and updated as considered necessary. The Company uses authorizations for expenditures on both operated and non-operated projects to further manage capital expenditures.

To facilitate the capital expenditure program, the Company has a credit facility agreement which is regularly reviewed by the lender. The Company monitors its total debt position monthly. The Company also attempts to match its payment cycle with collection of petroleum and natural gas revenues on the 25th of each month. The Company anticipates it will have adequate liquidity to fund its financial liabilities through its future cash flows and availability on bank facilities. The Company's financial liabilities are comprised of accounts payable and accrued liabilities, interest rate contracts, commodity contracts, other long-term liabilities and bank debt, which are classified as current or non-current on the consolidated statement of financial position based on their maturity dates.

The Company will fund the 2020 budget with cash flow from operations and availability on the credit facility.

c. Market risk

Market risk consists of interest rate risk, currency risk and commodity price risk. The objective of market risk management is to manage and control market risk exposures within acceptable limits, while maximizing returns. The Company may use both financial derivatives and physical delivery sales contracts to manage market risks. All such transactions are conducted in accordance with a risk management policy as set out herein:

i. Interest rate risk

Interest rate risk is the risk that future cash flows will fluctuate as a result of changes in market interest rates. The Company is exposed to interest rate fluctuations on its bank debt which bears interest at a floating rate and to mitigate this risk, the Company has entered into interest rate contracts. For the year ended December 31, 2020, if interest rates (including the effect of the interest rate contract) had been 1% lower with all other variables held constant, net income for the period would have been \$3,490 (2019 - \$1,624) higher, due to lower interest expense. An equal and opposite impact would have occurred had interest rates been higher by the same amount.

ii. Currency risk

Foreign currency exchange rate risk is the risk that the fair value or future cash flows will fluctuate as a result of changes in foreign exchange rates. All of the Company's petroleum and natural gas sales are denominated in Canadian dollars, however, the underlying market prices in Canada for petroleum and natural gas are impacted by changes in the exchange rate between the Canadian and United States dollar.

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iii. Commodity price risk

Commodity price risk is the risk that the fair value or future cash flows will fluctuate as a result of changes in commodity prices. Commodity prices for petroleum and natural gas are impacted by world economic events that dictate the levels of supply and demand as well as the relationship between the Canadian dollar and United States dollar, as outlined above.

Capital Resources

The Company's objective when managing capital is to maintain a flexible capital structure which will allow it to execute its capital expenditure program, which includes expenditures in oil and gas activities which may or may not be successful. Therefore, the Company monitors the level of risk incurred in its capital expenditures to balance the proportion of debt and equity in its capital structure.

The Company considers its capital structure to include shareholders equity and debt:

	<i>December 31, 2020</i>	<i>December 31, 2019</i>
Shareholders' equity	\$ 312,260	\$ 303,643
Bank debt	\$ 200,273	\$ 190,291

The Company monitors capital based on annual cash from operations before changes in non-cash working capital and capital expenditure budgets, which are updated as necessary and are reviewed and periodically approved by the Board of Directors.

The Company manages its capital structure and makes adjustments by continually monitoring its business conditions including the current economic conditions, the risk characteristics of the Company's petroleum and natural gas assets, the depth of its investment opportunities, current and forecasted net debt levels, current and forecasted commodity prices and other facts that influence commodity prices and funds from operations such as quality and basis differentials, royalties, operating costs and transportation costs.

In order to maintain or adjust the capital structure, the Company considers its forecasted cash from operations before changes in non-cash working capital while attempting to finance an acceptable capital expenditure program including acquisition opportunities, the current level of bank debt available from the Company's lender, the level of bank debt that may be attainable from its lender as a result of petroleum and natural gas reserve growth, the availability of other sources of debt with different characteristics than existing debt, the sale of assets, limiting the size of the capital expenditure program and the issue of new equity if available on favorable terms. At December 31, 2020, the Company's capital structure was subject to the banking covenants disclosed in the financial statements. No changes were made to the capital policy in 2020.

The current challenging economic climate may lead to further adverse changes in cash flows, working capital levels and/or debt balances, which may also have a direct impact on the Company's operating results and financial position. These and other factors may adversely affect the Company's liquidity and the Company's ability to generate income and cash flows in the future. As at December 31, 2020, the Company remains in compliance with all the terms of our credit facilities. However, in light of the current volatility in commodity prices and uncertainty regarding the timing for recovery in such prices, pipeline and transportation capacity constraints, and the effect of the Coronavirus (COVID-19), the preparation of financial forecasts is challenging.

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Selected Quarterly Financial Information

	2020	2020	2020	2020
	Q4(\$)	Q3(\$)	Q2(\$)	Q1(\$)
Petroleum & natural gas sales	23,064	18,910	16,290	27,435
Net income (loss)	4,847	537	(2,801)	2,835
Net income per share – basic	0.05	0.01	(0.03)	0.03
Net income per share – diluted	0.05	0.01	(0.03)	0.03
Funds flow from operations	12,460	10,038	7,733	15,293
Funds flow from operations per share – basic	0.15	0.12	0.09	0.18
Funds flow from operations per share –diluted	0.15	0.12	0.09	0.18
Capital expenditures	15,100	9,997	1,085	25,434

	2019	2019	2019	2019
	Q4(\$)	Q3(\$)	Q2(\$)	Q1(\$)
Petroleum & natural gas sales	35,990	31,606	36,473	39,907
Net income (loss)	7,020	6,560	18,219	11,514
Net income (loss) per share – basic	0.08	0.08	0.21	0.13
Net income (loss) per share – diluted	0.08	0.08	0.21	0.13
Funds flow from operations	21,005	19,055	24,445	27,731
Funds flow from operations per share – basic	0.25	0.22	0.29	0.32
Funds flow from operations per share –diluted	0.25	0.22	0.28	0.32
Capital expenditures	20,660	26,603	13,813	59,048

Quarterly activities

Fluctuations in quarterly revenues, net income and funds flow from operations over the last eight quarters are due primarily to the volatility in commodity prices and changes in sales volumes due to production growth and declines tied to the timing of drilling activity. The Company has focused capital expenditures on drilling and completions. As a result of lower commodity pricing due to the Saudi Arabia/Russia price war and the COVID-19 demand impact the Company ceased capital expenditures in February 2020 resulting in a decline in production for Q1 and Q2 2020. Drilling and completion operations resumed in Q3 2020.

Business Risks and Uncertainties

The Company is exposed to several operational risks inherent in exploring, developing, producing and marketing crude oil and natural gas. These inherent risks include: economic risk of finding and producing reserves at a reasonable cost; financial risk of marketing reserves at an acceptable price given current market conditions; cost of capital risk associated with securing the needed capital to carry out the Company's operations; risk of environment impact; and credit risk of non-payment for sales contracts and joint venture partners. Other than the risks described herein (including the risks and uncertainties listed in the Forward-Looking Statements section in this MD&A) the Company is also subject to the risk factors set forth in the most recently filed AIF of the Company available on SEDAR which can be accessed at www.sedar.com

The Company attempts to control operating risks by maintaining a disciplined approach to implementation of its exploration and development programs. Exploration risks are managed by hiring experienced technical

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professionals and by concentrating the exploration activity on reservoirs where the Company has experience and expertise. The Company also generates internal prospects and participates in projects where ownership interest is considered sufficient to minimize risk. Operational control allows the Company to manage costs, timing and sales of production and to ensure new production is brought on-stream in a timely manner. The Company maintains a comprehensive insurance program to reduce risk to an acceptable level and to protect it against significant losses.

Environmental Risks

All phases of the oil and natural gas business present environmental risks and hazards and are subject to environmental regulation pursuant to a variety of federal, provincial and local laws and regulations. Compliance with such legislation can require significant expenditures and a breach could result in the imposition of fines and penalties, some of which could be material. Senior management continually assesses new and existing regulatory requirements and environmental risks and determines the impact these risks might have on the Company, as well as the appropriate actions necessary to manage those risks. These assessments and the resulting policy decisions are discussed quarterly with the Board of Directors which evaluates the performance and effectiveness of the Company's environmental policies and programs.

The Company's environmental responsibilities includes removing property, plant and equipment as well as reclaiming land and property to its original state, subsequent to the completion of oil and natural gas extraction activities. This requirement results in an asset retirement obligation that provides current recognition of estimated expenditures that will be incurred in the future. The Company's decommissioning liabilities are discussed in further detail under "Critical Accounting Estimates" below, as well as in note 6 to the Company's Consolidated Financial Statements.

Disclosure Controls and Procedures and Internal Controls over Financial Reporting

As at December 31, 2020, an evaluation of the effectiveness of the Company's disclosure controls and procedures, as defined under the rules adopted by the Canadian securities regulatory authorities, was carried out under the supervision and with the participation of Management, including the President and Chief Executive Officer ("CEO"), and the Chief Financial Officer ("CFO"). Based on this evaluation, the CEO and CFO concluded that, as at December 31, 2020, the design and operation of the Company's disclosure controls and procedures were effective in meeting all regulatory filing requirements.

Internal control over financial reporting means a process designed by, or under the supervision of, an issuer's certifying officers, and effected by the issuer's board of directors, management and other personnel, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with the issuer's Generally Accepted Accounting Procedures ("GAAP") and includes those policies and procedures that:

- (a) pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of the assets of the issuer;
- (b) are designed to provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with the issuer's GAAP, and that receipts and expenditures of the issuer are being made only in accordance with authorizations of management and directors of the issuer; and
- (c) are designed to provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the issuer's assets that could have a material effect on the annual financial statements or interim financial reports;

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Management is responsible for establishing and maintaining adequate internal controls over financial reporting.

Management has conducted an evaluation of its internal controls over financial reporting and determined that as at December 31, 2020 the controls were effective to provide reasonable assurance regarding the reliability of financial reporting, and the preparation of financial statements for external reporting purposes. In May 2013, the Committee of Sponsoring Organizations of the Treadway Commission ("COSO") issued an updated Internal Control-Integrated Framework ("2013 Framework") replacing the Internal Control - Integrated Framework (1992). The control framework Yangarra's officers used to design the Company's ICFR is the 2013 Framework.

During the period beginning on October 1, 2020 and ending on December 31, 2020, there were no material changes to the Company's internal controls over financial reporting, and the CEO and CFO have filed certifications with the Canadian securities regulators regarding the Company's 2020 public filing documents.

Critical Accounting Estimates

The preparation of the consolidated financial statements in accordance with IFRS requires management to make judgments, estimates and assumptions that affect reported amounts and presentation of assets, liabilities, revenues, expenses and disclosures of contingencies and commitments. Such estimates primarily relate to unsettled transactions and events at the statement of financial position date which are based on information available to management at each financial statement date. Actual results could differ from those estimated. Judgments, estimates and assumptions are continuously evaluated and are based on management's experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

Critical judgments in applying accounting policies

Business combinations

Determination of the fair value of acquired assets and liabilities in a business combination requires management to make assumptions and estimates about future events. The fair value of crude oil and natural gas interests is estimated with reference to the discounted cash flows expected to be derived from crude oil and natural gas production. These assumptions and estimates generally require judgment and include estimates of reserves acquired, liabilities assumed, forecast commodity prices, expected production volumes, future development and operating costs, income taxes, and discount rates. Changes in any of the assumptions or estimates used in determining the fair value of acquired assets and liabilities could impact the amounts assigned to the net assets acquired, goodwill or gain on business combination.

CGU Determination

The Company's assets are aggregated into CGUs based on their ability to generate largely independent cash flows and are used for impairment testing. CGUs are determined by similar geological structure, shared infrastructure and geographical proximity.

Impairment indicator assessment

The Company assesses its P&E and E&E assets for possible impairment if there are events or changes in circumstances that indicate the carrying values of the assets may not be recoverable. Such indicators include changes in the Company's business plans, changes in commodity prices, evidence of physical damage and significant downward revisions to estimated recoverable volumes or increases in estimated future development expenditures.

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Contingencies

By their nature, contingencies will only be resolved when one or more of the future events occur or fail to occur. The assessment of contingencies inherently involves the estimates of the outcome of future events.

Key sources of estimation uncertainty

Reserves

Reserves are used in the unit of production calculation for depletion and depreciation as well as impairment analysis. The quantity of reserves is subject to a number of estimates and projections including assessment of engineering data, projected future rates of production, commodity prices, regulatory changes, operating costs and sustaining capital expenditures. These estimates and projections are uncertain as the Company does not have a long commercial production history to assist in the development of these forward-looking estimates. However, all reserve and associated financial information is evaluated and reported on by a firm of qualified independent reserve evaluators in accordance with the standards prescribed by applicable securities regulators. The calculation of future cash flows based on these reserves is dependent on a number of estimates including: production volumes, facility performance, commodity prices, and royalties, operating costs, sustaining capital and tax rates. The price used in the Company's assessment of future cash flows is based on the Company's independent evaluator's estimate of future prices and evaluated for reasonability by the Company against other available information. The Company believes these prices are reasonable estimates for a long-term outlook.

Decommissioning liabilities

The Company measures decommissioning liabilities at each financial statement date. The estimate is based on the Company's share of costs to reclaim the assets and certain facilities. To determine the future value of the liability, estimates of the amount, timing and inflation of the associated abandonment costs are made. The present value of the cost is recorded as the decommissioning liability using a risk-free discount rate. Due to the long-term nature of current and future project developments, abandonment costs will be incurred many years in the future. As a result of these factors, different estimates could be used for such abandonment costs and the associated timing. Assumptions of higher future abandonment costs, regulatory changes, higher inflation, lower risk-free rates or an assumption of earlier or specified timing of abandonment would cause the decommissioning liability of the corresponding asset to increase. These changes would also cause future accretion expenses to increase and future income to decrease.

Impairment Estimate

The assessment for impairment for P&E and E&E assets involves comparing the carrying value of the CGU with the higher of value in use calculations and fair value less costs to sell. Determination as to whether and how much an asset is impaired involves management estimates on highly uncertain matters such as future commodity prices, the effects of inflation on operating expenses, discount rates, production profiles and the outlook for regional supply-and-demand conditions for crude oil, natural gas and liquids. Impairment is recognized in the statement of income (loss) and comprehensive income (loss) in the period in which carrying amount exceeded the recoverable amount.

Accounts Receivable

Significant estimates are included in accounts receivable in terms of collectability as a significant portion of the balance is in dispute, the outcome for which is uncertain and could result in a material adjustment to the financial statements.

Deferred taxes

Deferred income tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amount and the tax basis of assets and

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liabilities. An estimate is required for both the timing and corresponding tax rate for this reversal. Should these estimates change, it may impact the measurement of the Company's assets or liabilities as well as deferred tax recovery or expense recognized to earnings. Where unfavorable evidence exists, additional considerations and evidence for recognition of deferred tax assets is required. The Company has applied management's judgment and evaluated applicable factors necessary in making this determination and has concluded that the positive evidence in consideration of the estimated future cash flows based on reserve reports from the Company's independent engineers, does not sufficiently outweigh negative factors. The Company only recognizes deferred tax assets arising from unused tax losses to the extent that the Company has sufficient taxable temporary differences or it is probable that sufficient taxable profit will be available against which the unused tax losses can be utilized.

Contingencies

When recognized, management makes its best estimate with respect to future cash outflows.

Other areas of estimates

The recognition of amounts in relation to stock-based compensation requires estimates related to valuation of stock options at the time of issuance including share price, risk free rate, volatility, expected life and dividend yield. The fair value of commodity contracts is calculated using valuation models that require estimates as to future market prices expected interest rates and expected volatility in these variables. By their nature, these estimates are subject to measurement uncertainty and the effect of changes in such estimates on the financial statements for current and future periods could be significant.