

The Good Oil

October 2019 — ZEL's Month to Forget

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September 2019 was dominated by Z Energy (ZEL) related news flow, with its -\$60m FY20 EBITDAF earnings downgrade a negative surprise, in addition to ongoing Commerce Commission fuel study consultation and the pipeline inquiry findings. Data points show gross refining margins have stayed firm (US\$7.76/barrel), but fuel volume data (traffic and vehicle registrations) continue to show falling trends.

Regulator raps fuel companies

The major news stories for the month were ZEL's FY20 earnings downgrade amidst stiff retail competition, the RAP pipeline inquiry finding the oil companies should have invested earlier into resilience, the Saudi oil facility drone attack and the ongoing ComCom retail fuel study. Whilst not helpful for ZEL's earnings, the downgrade highlighted to the ComCom that retail competition is healthy. It also highlighted how poor MBIE importer margins are at picking up the increased margin pressure. Whilst diesel importer margins were soft in the September 2019 quarter (down -16%), petrol margins were only slightly down (-4%) on the prior quarter.

Industry volume growth continues to soften

Traffic data indicates a continued softening of growth. On a 12-mth rolling basis heavy vehicle growth is now under +2% at +1.7% and light vehicle growth is also +1.7%. Vehicle registrations continue to decline, with new commercial sales down -10.1% and used commercial registrations down -23.5% vs. pcp. However, SUV sales grew +6.0%, the only category to grow in August vs. the pcp. EV sales remain firm at 2.4% of total registrations, the second highest month on record. August EV sales were boosted by Tesla 3 sales finally coming through.

Gross refining margins (GRM) remain firm, limited sign of IMO impacts

We estimate that Refining NZ's (NZR) GRM was US\$7.76/barrel, up on the US\$7.10/barrel NZR reported for the July/August 2019 period. At this stage the new low sulphur shipping fuel requirements, that come into force on 1 January 2020, do not appear to be having a big impact on refining margins. Whilst diesel crack spreads have lifted in the last two weeks, high sulphur fuel oil spreads have also remained strong.

Figure 1. Summary company valuation metrics

Company	Price	Target		Rating	1 year forward		
		Price	Return		EV/EBITDA (x)	PE (x)	Gr Yld (%)
NZR	2.09	2.15	8.4%	NEUTRAL	5.1	15.0	6.0
ZEL	5.55	5.40	6.1%	NEUTRAL	7.8	14.8	12.0

Source: Forsyth Barr analysis



Investment View

We are NEUTRAL on both ZEL and NZR. ZEL needs to once again provide the market with confidence that its earnings are sustainable. In the meantime, we expect ZEL to trade sideways. Whilst NZR should benefit from shipping fuel changes, the medium-term outlook is less certain.

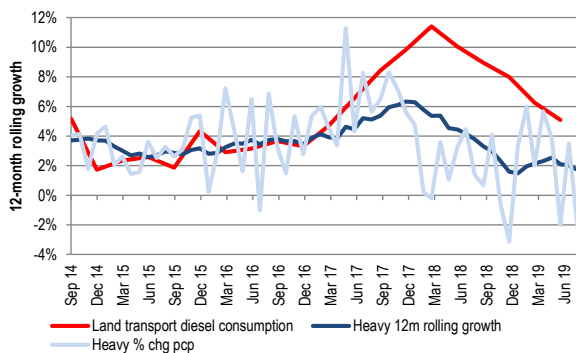
Downstream — Fuel volume indicators

Vehicle traffic

Heavy vehicle traffic falls in August vs. pcp as 12-month growth continues to slow

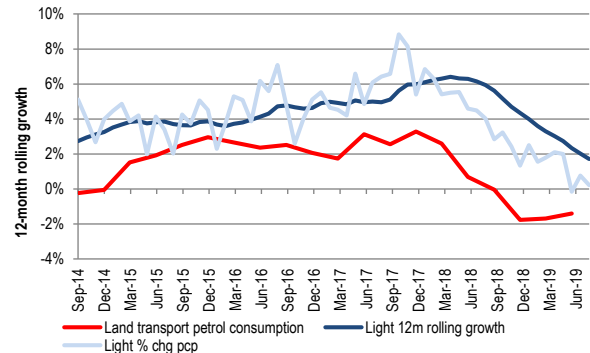
Heavy vehicle traffic volumes were down -2.3% in August 2019 vs. pcp and light vehicle volumes were effectively flat, up just +0.2%. Heavy vehicle 12-month rolling volume growth is still positive, although growth has been steady at ~+2.0% for the past 10 months (+1.7% in the 12-months to August 2019). Light vehicle 12-month rolling volume growth continues to decline and is now also +1.7%.

Figure 2. Heavy vehicle traffic vs. MBIE diesel consumption



Source: MBIE, ANZ, NZTA, Forsyth Barr analysis

Figure 3. Light vehicle traffic vs. MBIE petrol consumption



Source: MBIE, ANZ, NZTA, Forsyth Barr analysis

Vehicle sales

New vehicle registrations continue to decline

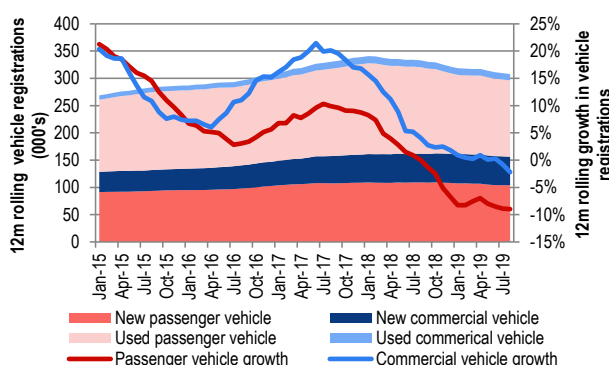
August 2019 new vehicle registrations fell -10.1% (commercial) and -1.5% (passenger) respectively. The decline in used registrations was even more dramatic, with new commercial registrations down -23.5% and passenger used registrations down -7.6%. The 12-month rolling growth rates also continue to deteriorate.

However, SUV sales have bucked the trend with new SUVs increasing +6.0%, whereas all other vehicle categories declined in August 2019 vs. pcp. SUVs were 45.0% of new vehicle sales, a new record.

Continued strong EV growth has seen the number of heavy vehicles/SUVs/utes for each EV sale decline to 19.3.

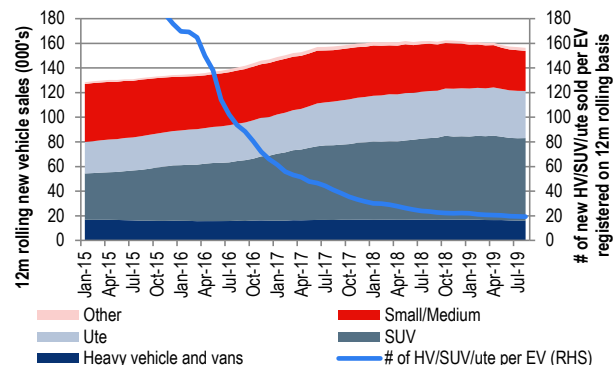
At the time of publishing, September 2019 data had not been released.

Figure 4. 12 month rolling vehicle registrations



Source: MIA, Forsyth Barr analysis

Figure 5. 12 month rolling vehicle sales by type



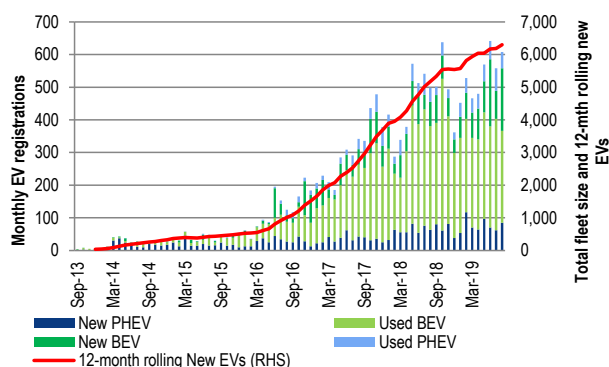
Source: MIA, Forsyth Barr analysis

EV registrations

EV registrations in August 2019 totalled 608, +50 more than July 2019 and +110 more than the pcp. Total EV registrations are now 15,463.

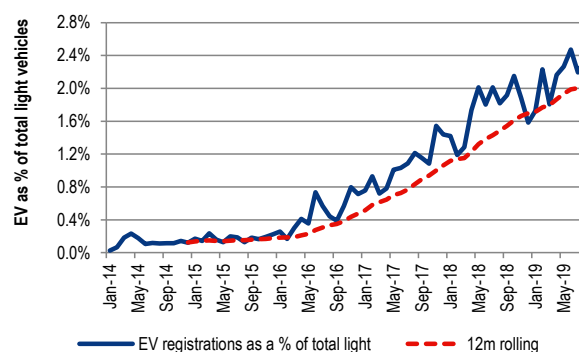
August 2019 EV sales were 2.4% of total registrations, a little below the June record.

Figure 6. EV registrations



Source: MoT, Forsyth Barr analysis

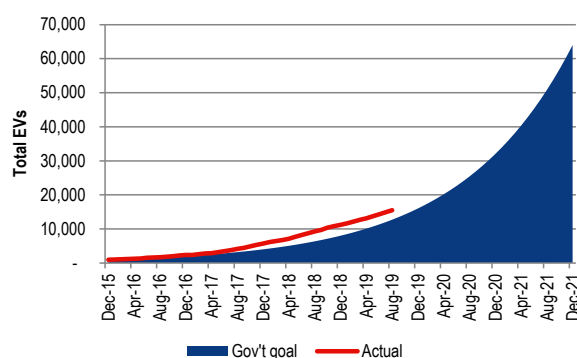
Figure 7. EV registrations as % of total light vehicle registrations



Source: MoT, Forsyth Barr analysis

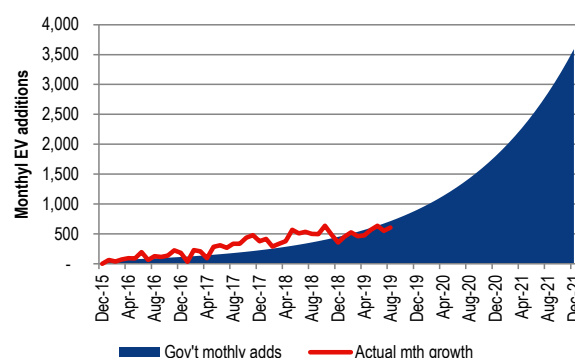
Relative to the Government target, the total number of EVs registered remains comfortably above the target. However, monthly registrations are now falling behind the required growth rate.

Figure 8. Total EV registrations vs. Government target



Source: MoT, Forsyth Barr analysis

Figure 9. Monthly EV registrations vs. Government target



Source: MoT, Forsyth Barr analysis

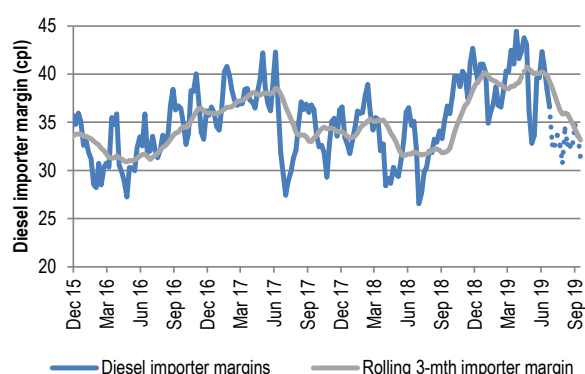
Downstream — MBIE importer margins

Petrol margins show high volatility

Provisional petrol MBIE importer margins have shown high volatility over the past month, ranging from a high of 32.5cpl in the week ending 6 September, to a low of 23.6cpl in the week ending 20 September. September 2019 has averaged 28.3cpl, -3% down on the prior month. The diesel importer margin averaged 33.2cpl, up +2% on the prior month.

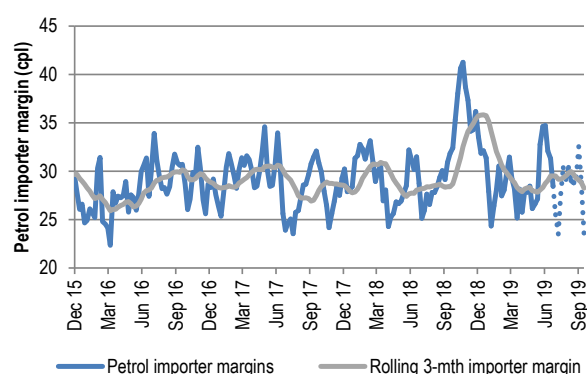
In the context of ZEL's -\$60m FY20 EBITDAF guidance downgrade and commentary that July and August were very difficult months, the MBIE importer margins do not appear to be picking the increased competition (in particular petrol margins). The average September quarter petrol margin is down only -1.2cpl vs. the June 2019 quarter.

Figure 10. Rolling 3-month diesel importer margin



Source: MBIE, Forsyth Barr analysis

Figure 11. Rolling 3-month petrol importer margin



Source: MBIE, Forsyth Barr analysis

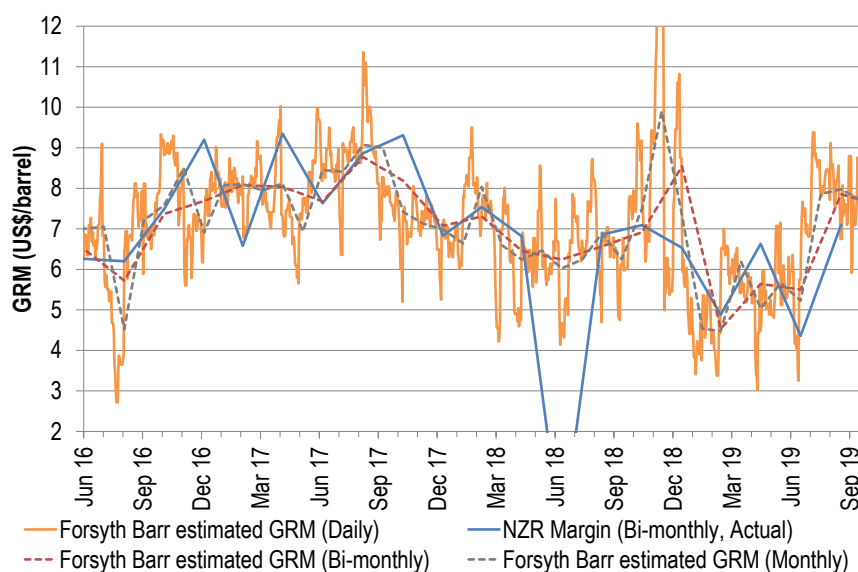
Figure 12. Key statistics

	Monthly Average			% chg	Spot Margin	YTD FY19	YTD FY20	% chg	FY18	FY19	% chg
	Jul-19	Aug-19	Sep-19								
MBIE importer margin - diesel (cpl)	32.9	32.6	33.2	2%	31.4	31.9	36.2	13%	34.9	35.0	0%
MBIE importer margin - petrol (cpl)	26.8	29.3	28.3	-3%	23.6	28.2	28.9	2%	29.0	30.2	4%

Source: MBIE, Forsyth Barr analysis

Downstream — Refining margins

Figure 13. NZR refining margin (forecast vs. actual)



Source: NZR, Bloomberg, Forsyth Barr analysis

Note: Forsyth Barr estimates exclude the impact of the hydro-cracker outage in May/June 2018. NZR actual includes the impacts

Refining margins remain firm

We estimate that NZR's gross refining margin (GRM) was US\$7.76/barrel, although the current spot estimate is close to US\$9.00/barrel. During the month margins were quite volatile, with the attack on the Saudi facilities having some impact on margins.

At this stage the upcoming IMO 2020 low-sulphur fuel oil requirements do not appear to be impacting refining margins greatly. Whilst towards month end diesel crack spreads started to firm, high sulphur fuel oil crack spreads remain surprisingly firm. The International Energy Agency (IEA) has reiterated its view that whilst compliant fuel margins are likely to increase, the market is largely prepared for the regulatory change that commences 1 January. However, it sees the potential for bigger supply issues in 2Q20 as seasonal supply and demand dynamics lower system capacity.

The softening NZDUSD fx rate (September 2019 average fx rate was down -1% and the spot rate is lower) is also helping our estimate of processing fee revenue.

In September, NZR reported a July/August 2019 GRM of US\$7.10/barrel, ~-10% below our estimate for the period.

Figure 14. Key statistics

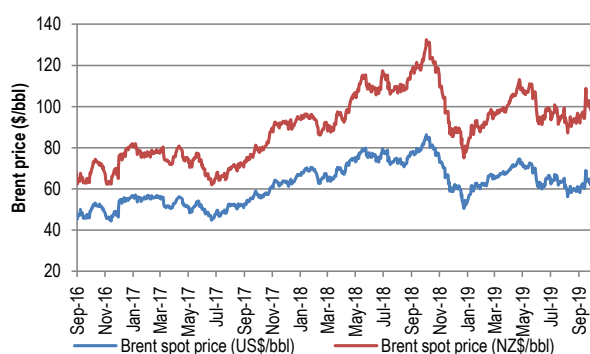
	Monthly average			%	Spot	YTD	YTD	%			%
	Jul-19	Aug-19	Sep-19	chg	estimate	FY18	FY19	chg	FY17	FY18	chg
Forsyth Barr estimated GRM (US\$/barrel)	7.94	8.17	7.76	-5%	8.79	5.07	6.10	20%	8.10	5.69	-30%
NZDUSD	0.668	0.643	0.634	-1%	0.626	0.700	0.662	-5%	0.711	0.693	-3%
Estimated processing fee (NZ\$m)	29.1	31.1	30.0	-4%	n/a	126.2	188.9	50%	328.9	255.1	-22%

Source: NZR, Bloomberg, Forsyth Barr analysis

Financial year is the year to 31 December

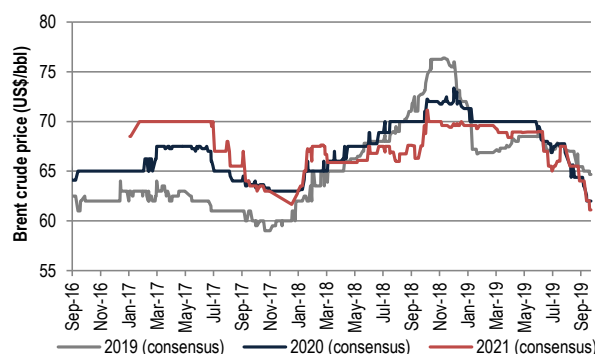
Upstream — Brent oil price

Figure 15. Brent oil price (spot)



Source: Bloomberg, Forsyth Barr analysis

Figure 16. Brent oil price forecasts (Bloomberg consensus)



Source: Bloomberg, Forsyth Barr analysis

Brent prices rise, but outlook expectations fall

The Brent oil price fluctuated between US\$58/barrel and US\$68/barrel. The price spike in the middle of the month followed the drone attack on Saudi crude oil processing facilities. However, with Saudi Arabia now reporting production is back to normal, oil prices have drifted back towards US\$60/barrel and are currently US\$60.8/barrel. The mid-month price spike meant the average price in September 2019 of US\$62.3/barrel was +5% higher than August.

Whilst September oil prices were firmer, consensus forecasts slipped between -3% and -7% as concerns over future demand increased. The 2021 consensus forecast is now US\$61.1/barrel, down -10% from two months ago.

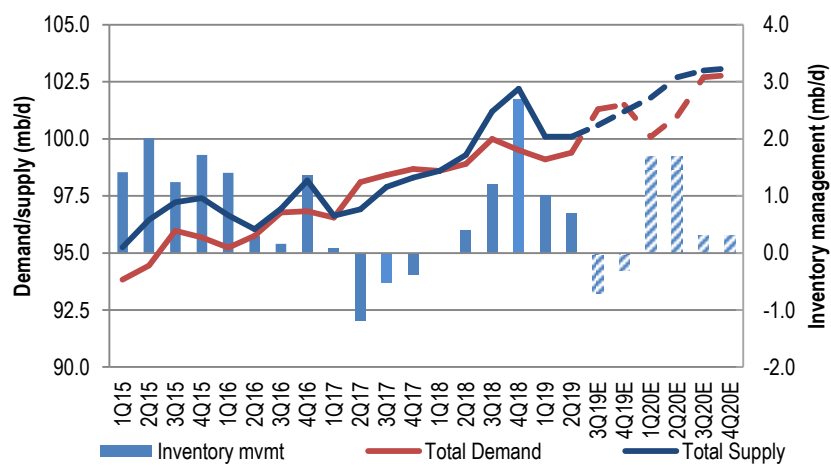
Figure 17. Key statistics

	Monthly average			%	Spot	YTD	YTD	%			%
	Jul-19	Aug-19	Sep-19	chg	price	2018	2019	chg	2017	2018	chg
Historic prices (Period average)											
Brent crude price (US\$/bbl)	64.2	59.5	62.3	5%	60.8	72.7	64.7	-11%	54.8	71.5	30%
Brent crude price (NZ\$/bbl)	96.2	92.5	98.2	6%	97.0	104.2	97.5	-6%	77.2	103.6	34%
Forecast prices (Month end)											
Bloomberg consensus forecast 2019	67.7	66.8	64.7	-3%							
Bloomberg consensus forecast 2020	67.8	64.4	62.0	-4%							
Bloomberg consensus forecast 2021	67.5	65.5	61.1	-7%							

Source: Bloomberg, Forsyth Barr analysis

Supply and demand

Figure 18. IEA daily oil supply/demand



Source: IEA, Forsyth Barr analysis

The IEA's demand forecasts are unchanged and assume 2020 global demand will increase +1.3mb/d over 2019, with continued low oil prices a key factor in aiding demand growth. Compliance with the OPEC+ (OPEC +Russia) agreement fell to 116%.

Refining NZ (NZR)

Priced as at 01 Oct 2019: NZ\$2.09

December year end

Forsyth Barr valuation						Valuation Ratios					2017A	2018A	2019E	2020E	2021E
Valuation methodology	Blend of spot valuations, weighted to multiples					EV/EBITDA (x)	3.8	5.6	5.1	4.3	4.7				
						EV/EBIT (x)	6.8	15.5	12.4	8.6	10.8				
12-month target price (NZ\$)*	2.15	Spot valuations (NZ\$)				PE (x)	8.3	22.1	15.0	9.7	12.3				
Expected share price return	2.9%	1. DCF	2.06			Price/NTA (x)	0.8	0.9	0.9	0.8	0.8				
Net dividend yield	5.5%	2. Market multiples	2.10			Free cash flow yield (%)	15.8	-8.8	8.7	11.5	10.2				
Estimated 12-month return	8.4%	3. n/a	n/a			Net dividend yield (%)	8.6	3.6	4.3	5.7	5.7				
						Gross dividend yield (%)	12.0	5.0	6.0	8.0	8.0				
Key WACC assumptions		DCF valuation summary (NZ\$m)				Imputation (%)	100	100	100	100	100				
Risk free rate	2.00%	Total firm value	925			Pay-out ratio (%)	72	79	65	56	71				
Equity beta	1.00	(Net debt)/cash	(274)												
WACC	8.5%	Value of equity	650			Capital Structure	2017A	2018A	2019E	2020E	2021E				
Terminal growth	0.0%	Shares (m)	313			Interest cover EBIT (x)	9.0	4.0	5.9	11.1	10.4				
						Interest cover EBITDA (x)	16.0	11.1	14.5	22.4	24.0				
Profit and Loss Account (NZ\$m)	2017A	2018A	2019E	2020E	2021E	Net debt/ND+E (%)	16.4	25.3	22.6	18.7	16.1				
Sales revenue	414.6	362.5	408.0	431.3	416.6	Net debt/EBITDA (x)	0.7	1.7	1.3	0.9	0.8				
Normalised EBITDA	220.3	152.6	177.2	206.6	188.5										
Depreciation and amortisation	(96.1)	(97.1)	(104.5)	(104.0)	(107.0)	Key Ratios	2017A	2018A	2019E	2020E	2021E				
Normalised EBIT	124.2	55.6	72.7	102.6	81.5	Return on assets (%)	9.3	4.0	5.2	7.4	5.9				
Net interest	(13.7)	(13.8)	(12.2)	(9.2)	(7.9)	Return on equity (%)	9.9	3.9	5.5	8.2	6.4				
Associate income	-	-	-	-	-	Return on funds employed (%)	10.1	4.6	5.8	7.8	6.4				
Tax	(31.9)	(12.2)	(17.0)	(26.1)	(20.6)	EBITDA margin (%)	53.1	42.1	43.4	47.9	45.2				
Minority interests	-	-	-	-	-	EBIT margin (%)	30.0	15.3	17.8	23.8	19.6				
Normalised NPAT	78.5	29.6	43.5	67.2	53.0	Capex to sales (%)	22.8	44.8	19.5	23.3	22.5				
Abnormals/other	-	-	-	-	-	Capex to depreciation (%)	98	167	76	96	87				
Reported NPAT	78.5	29.6	43.5	67.2	53.0										
Normalised EPS (cps)	25.1	9.5	13.9	21.5	17.0	Operating Performance	2017A	2018A	2019E	2020E	2021E				
DPS (cps)	18.0	7.5	9.0	12.0	12.0										
						Revenue Breakdown (NZ\$m)									
Growth Rates	2017A	2018A	2019E	2020E	2021E	Processing fee revenue	327.4	258.9	302.6	326.5	309.9				
Revenue (%)	17.1	-12.6	12.6	5.7	-3.4	Natural gas recovery	24.4	32.0	39.8	40.6	41.4				
EBITDA (%)	31.7	-30.7	16.1	16.6	-8.8	Other refining revenue	11.7	13.6	14.8	13.5	13.8				
EBIT (%)	55.2	-55.3	30.8	41.1	-20.6	Pipeline revenue	37.8	44.1	37.0	37.8	38.5				
Normalised NPAT (%)	66.5	-62.3	46.9	54.6	-21.2	Other revenue	13.3	13.9	13.9	12.9	13.0				
Normalised EPS (%)	66.5	-62.3	46.9	54.6	-21.2	Total revenue	414.6	362.5	408.0	431.3	416.6				
DPS (%)	100.0	-58.3	20.0	33.3	0.0										
						Processing fee revenue growth (%)	18.4	-20.9	16.9	7.9	-5.1				
Cash Flow (NZ\$m)	2017A	2018A	2019E	2020E	2021E	Total revenue growth (%)	17.1	-12.6	12.6	5.7	-3.4				
EBITDA	220.3	152.6	177.2	206.6	188.5										
Working capital change	22.5	(38.8)	(13.6)	4.0	0.2	Processing fee drivers									
Interest & tax paid	(36.9)	(25.2)	(38.6)	(35.4)	(28.5)	Refining margin (USD/barrel)	8.0	6.2	6.6	7.4	7.0				
Other	(8.0)	16.0	11.4	-	-	NZDUSD	0.71	0.69	0.66	0.68	0.68				
Operating cash flow	198.0	104.6	136.5	175.3	160.2	Throughput (mbls)	41.7	40.4	43.4	43.0	43.0				
Capital expenditure	(94.6)	(162.3)	(79.6)	(100.3)	(93.6)	Refining margin (NZD/barrel)	7.9	6.2	6.9	7.6	7.2				
(Acquisitions)/divestments	-	-	-	-	-										
Other	(0.4)	-	-	-	-	Margin cap (USD/barrel)	9.0	9.0	9.0	9.0	9.0				
Funding available/(required)	103.1	(57.7)	56.9	75.0	66.6	Fee floor (estimated) (USD/barrel)	3.2	3.3	3.0	3.1	3.2				
Dividends paid	(37.5)	(46.9)	(20.3)	(34.4)	(37.5)										
Equity raised/(returned)	(0.7)	(0.3)	(0.3)	-	-	Operating cost breakdown (NZ\$m)									
Increase/(decrease) in net debt	(64.8)	104.9	(36.3)	(40.6)	(29.1)	Process materials and utilities	45.9	49.2	59.6	54.1	54.4				
						Natural gas costs	24.4	32.0	39.8	40.6	41.4				
Balance Sheet (NZ\$m)	2017A	2018A	2019E	2020E	2021E	Materials & contractor payments	31.0	29.0	31.1	31.5	31.8				
Working capital	(17.0)	19.5	32.1	28.1	27.9	Wages & salaries	59.0	61.3	62.3	63.6	64.9				
Fixed assets	1,128.9	1,191.9	1,168.7	1,165.0	1,151.6	Admin & other expenses	33.8	38.4	38.0	35.0	35.7				
Intangibles	8.1	14.3	17.9	17.9	17.9	Total expenses	194.3	209.8	230.8	224.7	228.1				
Other assets	-	0.0	0.1	0.1	0.1										
Total funds employed	1,120.1	1,225.7	1,218.8	1,211.0	1,197.4										
Net debt/(cash)	155.1	260.3	229.2	188.6	159.4										
Other non current liabilities	172.2	195.8	203.8	203.8	203.8										
Shareholder's funds	792.3	769.2	785.4	818.2	832.7										
Minority interests	0.4	0.4	0.4	0.4	1.4										
Total funding sources	1,120.1	1,225.7	1,218.8	1,211.0	1,197.4										

* Forsyth Barr target prices reflect valuation rolled forward at cost of equity less the next 12-months dividend

Z Energy (ZEL)

Priced as at 01 Oct 2019: NZ\$5.55

March year end

Forsyth Barr valuation						Valuation Ratios		2018A	2019A	2020E	2021E	2022E	
Valuation methodology		Blend of spot valuations				EV/EBITDA (x)		6.8	6.8	7.8	6.9	7.0	
						EV/EBIT (x)		8.8	9.5	11.9	9.6	9.6	
12-month target price (NZ\$)*		5.40		Spot valuations (NZ\$)		PE (x)		10.5	11.3	14.8	11.7	11.7	
Expected share price return		-2.7%	1. DCF	5.44		Price/NTA (x)		17.8	9.1	9.4	8.4	7.7	
Net dividend yield		8.8%	2. Dividend Yield	5.56		Free cash flow yield (%)		13.7	12.7	10.6	10.9	11.1	
Estimated 12-month return		6.1%	3. Market Multiple	5.35		Net dividend yield (%)		5.8	7.7	8.6	8.8	9.0	
						Gross dividend yield (%)		8.1	10.8	12.0	12.3	12.5	
Key WACC assumptions		DCF valuation summary (NZ\$m)				Imputation (%)		100	100	100	100	100	
Risk free rate		2.00%	Total firm value		3,438	Pay-out ratio (%)		61	88	128	103	105	
Equity beta		0.84	(Net debt)/cash		1,025								
WACC		7.1%	Value of equity		2,330								
Terminal growth		-2.0%	Shares (m)		400								
Profit and Loss Account (NZ\$m)						Capital Structure		2018A	2019A	2020E	2021E	2022E	
Sales revenue		4,570	5,450	4,958	4,998	4,919	Interest cover EBIT (x)		6.7	6.1	5.0	6.4	6.9
Normalised EBITDA		448	435	374	412	406	Interest cover EBITDA (x)		8.6	8.5	7.6	8.9	9.4
Depreciation and amortisation		(102)	(122)	(129)	(113)	(108)	Net debt/ND+E (%)		57.2	55.4	53.8	52.3	50.8
Normalised EBIT		347	312	245	299	298	Net debt/EBITDA (x)		1.8	1.9	1.99	1.69	1.60
Net interest		(52)	(51)	(49)	(47)	(43)	Key Ratios		2018A	2019A	2020E	2021E	2022E
Associate income		1	(1)	-	-	-	Return on assets (%)		12.4	11.0	9.2	11.3	11.3
Tax		(82)	(61)	(55)	(71)	(71)	Return on equity (%)		24.2	21.5	17.1	22.0	22.4
Minority interests		-	(2)	(9)	(8)	(7)	Return on funds employed (%)		17.4	15.8	12.7	16.2	16.8
Normalised NPAT		211	196	150	190	190	EBITDA margin (%)		9.8	8.0	7.5	8.2	8.2
Abnormals/other		(6)	(16)	-	-	-	EBIT margin (%)		7.6	5.7	4.9	6.0	6.1
Reported NPAT		205	180	150	190	190	Capex to sales (%)		1.9	1.0	1.8	0.9	1.0
Normalised EPS (cps)		52.9	49.0	37.5	47.5	47.6	Capex to depreciation (%)		140	85	139	71	73
DPS (cps)		32.3	43.0	48.0	49.0	50.0	Operating Performance		2018A	2019A	2020E	2021E	2022E
						Product volumes (m litres)							
Growth Rates		2018A	2019A	2020E	2021E	2022E	Petrol		1,204	1,165	1,130	1,119	1,106
Revenue (%)		18.3	19.3	-9.0	0.8	-1.6	Diesel - retail		461	454	440	431	421
EBITDA (%)		6.9	-2.9	-14.1	10.4	-1.5	Diesel - commercial		807	812	823	837	853
EBIT (%)		3.3	-10.1	-21.5	22.2	-0.5	Diesel - biofuels		-	1	7	15	23
Normalised NPAT (%)		8.2	-7.4	-23.5	26.8	0.2	Other fuels		1,153	1,193	1,173	1,171	1,186
Normalised EPS (%)		8.2	-7.4	-23.5	26.8	0.2	Supply - domestic		520	544	553	566	574
DPS (%)		10.2	33.1	11.6	2.1	2.0	Sub-total		4,145	4,168	4,126	4,140	4,162
						Supply - industry & export		178	280	95	127	125	
Cash Flow (NZ\$m)		2018A	2019A	2020E	2021E	2022E	Total Fuels		4,323	4,448	4,221	4,267	4,287
EBITDA		448	435	374	412	406	Retail service stations		343	343	340	338	335
Working capital change		61	(159)	62	(4)	5	Petrol/service station (m litres)		3.75	3.64	3.55	3.53	3.49
Interest & tax paid		(103)	(161)	(109)	(120)	(119)	Diesel/service station (m litres)		1.34	1.32	1.29	1.27	1.25
Other		(15)	223	-	-	-	Gross profit (NZDm)						
Operating cash flow		391	338	327	288	292	Fuels		685	700	646	663	656
Capital expenditure		(87)	(55)	(91)	(46)	(47)	Refining		77	54	58	68	66
(Acquisitions)/divestments		18	(28)	25	-	-	Non-fuels		76	81	85	87	90
Other		12	4	4	6	6	Flick Electric		-	1	7	9	11
Funding available/(required)		334	259	265	248	251	Gross profit		838	836	796	827	822
Dividends paid		(134)	(152)	(178)	(194)	(198)	Fuels gross margin (cpl)		16.5	16.8	15.7	16.0	15.8
Equity raised/(returned)		(2)	(1)	-	-	-	Fuels margin incl refining (cpl)		17.6	17.0	16.7	17.1	16.8
Increase/(decrease) in net debt		(198)	(106)	(87)	(54)	(53)	Fuels margin excl supply (cpl)		18.3	18.0	17.1	17.6	17.3
						Non-fuels revenue/station (NZD 000)		373	398	418	435	446	
Balance Sheet (NZ\$m)		2018A	2019A	2020E	2021E	2022E	Refining volume (m barrels)		21.3	19.7	21.2	21.2	21.1
Working capital		196	358	323	327	322	Sales sourced from refinery (%)		82	75	82	81	81
Fixed assets		870	830	797	770	745	ZEL refining margin (USD/barrel)		8.6	6.2	5.9	7.0	7.0
Intangibles		750	668	639	599	562	Flick customer numbers (000)		-	20.5	25.9	32.3	38.1
Other assets		134	161	134	134	134							
Total funds employed		1,950	2,017	1,892	1,829	1,763							
Net debt/(cash)		824	827	744	696	648							
Other non current liabilities		269	270	265	263	259							
Shareholder's funds		857	920	883	871	856							
Minority interests		-	-	-	-	-							
Total funding sources		1,950	2,017	1,892	1,829	1,763							

* Forsyth Barr target prices reflect valuation rolled forward at cost of equity less the next 12-months dividend

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