NEW ZEALAND EQUITY RESEARCH UTILITIES | ELECTRICITY GENERATOR/RETAILER 9 OCTOBER 2020

# **Contact Energy**

# Déjà Vu — Possible MSCI Inclusion Looming

#### ANDREW HARVEY-GREEN

andrew.harvey-green@forsythbarr.co.nz +64 4 495 8185

#### SCOTT ANDERSON

scott.anderson@forsvthbarr.co.nz +64 4 914 2219

#### OUTPERFORM 2



Contact Energy (CEN) has a good chance of entering the MSCI NZ index at the November 2020 rebalance, in our opinion. This is likely to provide a strong share price tailwind. CEN is currently trading at NZ\$7.55, above our current estimated minimum price to enter the index of ~NZ\$7.33. Companies typically experience a spike in trading volumes after inclusion as passive funds tracking the index buy shares, we reiterate our OUTPERFORM.

NZX Code	CEN	Financials: Jun/	20A	21E	22E	23E	Valuation (x)	20A	21E	22E	23E
Share price	NZ\$7.55	NPAT* (NZ\$m)	248.5	246.6	200.0	216.5	PE	21.7	21.9	27.0	25.0
Target price	NZ\$8.60	EPS* (NZc)	34.7	34.5	27.9	30.2	EV/EBIT	27.7	30.6	38.3	31.2
Risk rating	Low	EPS growth* (%)	-10.4	-0.8	-18.9	8.3	EV/EBITDA	14.2	13.9	16.2	15.4
Issued shares	715.5m	DPS (NZc)	39.0	32.0	32.0	32.0	Price / NTA	2.4	2.6	2.8	3.0
Market cap	NZ\$5,402m	Imputation (%)	64	55	50	80	Cash div yld (%)	5.2	4.2	4.2	4.2
Avg daily turnover	1,199k (NZ\$7,958k)	*Based on normalised profits					Gross div yld (%)	6.5	5.1	5.1	5.6

#### Requirements for CEN to enter

New Zealand currently has seven companies in the index. For an eighth company to enter it needs to have a market capitalisation of 0.5x the Global Minimum Size Reference (GMSR) on the pricing day. The GMSR benchmark that CEN has to beat is linked to global share prices and the NZD (a weaker NZD lifts the benchmark). The pricing day can be any business day of the 10 business dates between 19 October and 30 October. The result will be announced on 11 November, with re-balancing occurring on 30 November. At present, to achieve the GMSR we estimate that CEN needs to trade above ~\$7.33, which it currently is.

#### Mercury and Meridian MSCI trading

MCY and MEL both entered the index in November 2014, and had strong performances after their inclusions as a result of passive fund demand. MCY exited the index from May 2018 to November 2019, and had another boost on its re-entry. CEN and MCY were trading at a similar one year forward EV/EBITDA as recently as mid-2019, but since MCY's inclusion last November it has traded at a significant premium.

#### CEN has been close to MSCI inclusion before

At the November 2019 index assessment CEN looked likely to enter. In the lead up to the rebalance last year, CEN's share price hit NZ\$9.00/share, a decade high. However, the announcement from Rio Tinto (RIO) that it was conducting a strategic review of NZAS came during the 10 day pricing period, causing CEN to miss out. Somewhat ironically, it is the improving prospects of NZAS remaining open that provided CEN's initial share price boost that now sees it poised to re-enter the MSCI NZ Index.

# ☼ FORSYTH BARR

### Contact Energy Limited (CEN)

Page-	Priced as at 08 Oct 2020 (NZ\$)					7.55						
	12-month target price (NZ\$)*					8.60	Spot valuations (NZ\$)					
Marchemulation												8.29
Content							2. Market multiples					7.91
Post-priesmant	· ·						· · · · · · · · · · · · · · · · · · ·					
Post-priesmant												
Month   Mont												
Profit and Los Account (NZm)   20194   20204   20214   2022												
Profit and Loss Account (VIZSM)							•					(1,201)
Profit and Loss Account (NZSm)   2019												F 000
Selective	Terminal growth					1.5%	value of equity					5,932
Demandes   Part	Profit and Loss Account (NZ\$m)	2019A	2020A	2021E	2022E	2023E	Valuation Ratios	2019A	2020A	2021E	2022E	2023E
Dependition and smortisation   Color	Sales revenue	2,519.0	2,073.0	2,068.5	1,693.2	1,661.6	EV/EBITDA (x)	12.7	14.2	13.9	16.2	15.4
Name	Normalised EBITDA	518.0	451.0	463.3	397.0	417.3	EV/EBIT (x)	21.1	27.7	30.6	38.3	31.2
Net interest	•											
Poper caliform agency adjustment   102   120   137   121   108   Net dividend yield (%)   52   52   52   42   42   42   52   53   53   54   54   55   55   55   55	Normalised EBIT		231.0	210.2								
Table   Tabl												
Minority interests							• • • • • • • • • • • • • • • • • • • •					
Aging to formalised PNPT   47   48   48   48   49   48   48   39   48   48   48   48   48   48   48   4							Gross dividend yield (%)	6.5	6.5	5.1	5.1	5.6
Manumalischter	·											
Normalised EPS (kg)												
Namalised EPS(cps)   38.8   34.7   34.5   27.9   30.2   Net debt/NDF(S)   26.2   28.3   27.9   30.2   31.1     DPS (cps)   39.0   39.0   39.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0   32.0     Growth Rates   2019a   2020a   2021a   2022a   2023a   2020a   2020												
Position	•											
Provide Nates												
Revenue (%)	DPS (cps)	39.0	39.0	32.0	32.0	32.0	Net debt/EBITDA (x)	1.9	2.3	2.3	2.6	2.4
BITDA (%)	Growth Rates	2019A	2020A	2021A	2022A	2023A	Key Ratios	2019A	2020A	2021E	2022E	2023E
BIT (%)	Revenue (%)	10.7	-17.7	-0.2	-18.1	-1.9	Return on assets (%)	9.8	4.6	4.5	3.7	4.8
Normalised NPAT (%)	EBITDA (%)	8.1	-12.9	2.7	-14.3	5.1	Return on equity (%)	6.3	4.9	4.5	3.3	4.9
Normalised EPS (%)	EBIT (%)	18.6	-26.2	-9.0	-19.9	22.7	Return on funds employed (%)	9.3	4.4	4.3	3.6	4.6
Criminary DPS (%)   21.9   20.0   21.79   20.0   20.2	Normalised NPAT (%)	21.4	-10.4	-0.8	-18.9	8.3	EBITDA margin (%)	20.6	21.8	22.4	23.4	25.1
Cash Flow (NZ\$m)         2019A         2020A         2021E         2022E         2023E         (Capex to depreciation (%))         31         45         24         25         28           EBITDA         518.0         451.0         463.3         387.0         417.3         Pay-out ratio (%)         101         112         93         15         50         80           Working capital change         (200)         (24.0)         (8.7)         3.5         (4.6)         Pay-out ratio (%)         2019A         2020A         2021E         2022E         2028           Other         140         32.0         (0         0         0         0         0         0         0         0         0         0         3.23         4.01         3.02         20.22	Normalised EPS (%)	21.4	-10.4	-0.8	-18.9	8.3	EBIT margin (%)	12.4	11.1	10.2	9.9	12.4
Cash Flow (NZ\$\sim\)	Ordinary DPS (%)	21.9	0.0	-17.9	0.0	0.0	Capex to sales (%)	2.5	4.8	2.9	3.4	3.5
Pay-out ratio (%)   Pay-							Capex to depreciation (%)	31	45	24	25	28
Norking capital change   (20.0)   (24.0)   (118.0)   (130.0)   (77.6)   (119.5)   (1	Cash Flow (NZ\$m)		2020A	2021E	2022E		Imputation (%)	64	64	55	50	80
Number   Comparison   Compari	EBITDA	518.0	451.0	463.3	397.0	417.3	Pay-out ratio (%)	101	112	93	115	106
Other         14.0         32.0         3,755         4,018         3,096         3,755           Capital expenditure         (63.0)         (10.0)         (60.0)         (67.0)         0         0         0         Thermal generation (GWh)         3,257         3,331         3,070         3,324         3,324         3,325         3,225         2,623         2,538         253	Working capital change	(20.0)	(24.0)	(8.7)	3.5	(4.6)						
Properating cash flow   4010   3410   3410   3246   3208   2932   Hydro generation (GWh)   4,232   3,752   4,018   3,096   3,755   3,314   3,076   3,324   3	Interest & tax paid						Operating Performance	2019A	2020A	2021E	2022E	2023E
Capital expenditure         (63.0)         (10.00)         (60.0)         (57.0)         (58.1)         Geothermal generation (GWh)         3,257         3,331         3,070         3,324         3,324           (Acquisitions)/divestments         382.0         (6.0)         0         0         0         0         0         Thermal generation (GWh)         1,422         1,360         1,439         385         385           Other         0         0         0         0         0         0         Thermal generation (GWh)         8,911         8,443         8,527         6,804         7,463           Funding available/(required)         720.0         235.0         264.6         263.8         235.1         GWAP (\$/MWh)         12         91.0         99         65         59           Equity raised/(returned)         0         0         0         0         0         Gas consumed (PJ)         13.9         13.2         13.7         3.8         3.8           Intermal generation (GWh)         469.0         469.0         45.0         469.0         425.0         426.0         263.8         235.1         GWAP (\$/MWh)         13.9         13.2         13.7         3.8         3.8           Balance Sheet (NZ\$m) </td <td></td>												
(Acquisitions)/divestments         382.0         (6.0)         0         0         Thermal generation (GWh)         1,422         1,360         1,439         385         385           Other         0         0         0         0         0         0         Total Generation (GWh)         8,911         8,443         8,527         6,804         7,463           Funding available/(required)         720.0         235.0         264.6         263.8         235.1         GWAP (\$/MWh)         129         100         99         65         59           Dividends paid         (251.0)         (280.0)         (279.1)         (229.0)         (229.0)         CWAP (\$/MWh)         129         100         99         65         59           Equity raised/(returned)         0         0         0         0         0         0         6.5         4.6         6.9         7.0         5.9           Balance Sheet (NZ\$m)         2019A         2020A         2021E         2022E         2023E         Retail electricity volumes (GWh)         6.554         5,694         5,615         5,561         5,395           Working capital         (3.0)         19.0         25.7         20.3         22.9         Electricity customers (900) <td>· -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Hydro generation (GWh)</td> <td>4,232</td> <td>3,752</td> <td>4,018</td> <td>3,096</td> <td>3,755</td>	· -						Hydro generation (GWh)	4,232	3,752	4,018	3,096	3,755
Other         0         0         0         0         0         Total Generation (GWh)         8,911         8,443         8,527         6,804         7,463           Funding available/(required)         720.0         235.0         264.6         263.8         235.1         GWAP (\$/MWh)         129         100         99         65         59           Dividends paid         (251.0)         (280.0)         (277.1)         (229.0)         (229.0)         Gas consumed (PJ)         13.9         13.2         13.7         3.8         3.8           Equity raised/(returned)         0         0         0         0         Gas consumed (PJ)         13.9         13.2         13.7         3.8         3.8           (Increase)/decrease in net debt         469.0         45.01         14.6         34.8         6.1         Gas price (\$/GJ)         7.1         6.8         6.9         7.0         5.95           Balance Sheet (NZ\$m)         2019A         2020A         2021E         2022E         2023E         Retail electricity volumes (GWh)         6,554         5,694         5,615         5,561         5,395           Working capital         (3.0)         19.0         25.7         20.3         22.9         Electricity customer							Geothermal generation (GWh)	3,257	3,331	3,070	3,324	3,324
Funding available/(required)   720.0   235.0   264.6   263.8   235.1   GWAP (\$/MWh)   129   100   99   65   59     Dividends paid   (251.0)   (280.0)   (279.1)   (229.0)   (229.0)     Equity raised/(returned)   0   0   0   0   0   0   Gas consumed (PJ)   13.9   13.2   13.7   3.8   3.8     (Increase)/decrease in net debt   469.0   (45.0)   (14.6)   34.8   6.1   Gas price (\$/GJ)   7.1   6.8   6.9   7.0   5.9      Balance Sheet (NZ\$m)   2019A   2020A   2021E   2022E   2023E   Retail electricity volumes (GWh)   6,554   5,694   5,615   5,561   5,395     Working capital   (3.0)   19.0   25.7   20.3   22.9   Electricity customers (000)   411   418   409   401   393     Fixed assets   4,097.0   3,999.0   3,808.9   3,640.2   3,490.5   Average usage/customer (MWh)   8.6   8.5   8.6   8.6   8.6     Intangibles   425.0   406.0   406.0   406.0   406.0   406.0   Average retail price (\$/MWh)   191   199   201   194   193     Right of use asset   29.0   27.0   27.0   27.0   27.0     Other assets   132.0   173.0							- · · · · · · · · · · · · · · · · · · ·					
Dividends paid   (251.0)   (280.0)   (279.1)   (229.0)   (229.0)   (229.0)     (229.0)   (229.							·					
Figurity raised/(returned)   0   0   0   0   0   0   0   0   0	- · · · · · · · · · · · · · · · · · · ·						GWAP (\$/MWh)	129	100	99	65	59
Retail electricity volumes (GWh)   6,554   5,694   5,615   5,561   5,395     Working capital   (3.0)   19.0   25.7   20.3   22.9   Electricity customers (000)   411   418   409   401   393     Fixed assets   4,097.0   3,999.0   3,808.9   3,640.2   3,490.5   Average usage/customer (MWh)   8.6   8.5   8.6   8.6     Intangibles   425.0   406.0   406.0   406.0   406.0   406.0   406.0   406.0   406.0   406.0     Cherrassets   132.0   173.0   173.0   173.0   173.0   173.0   173.0     Total funds employed   4,680.0   4,624.0   4,440.6   4,266.5   4,119.4     Lease liability   25.0   22.0   22.0   22.0   22.0   Retail gas volumes (PJ)   3.1   3.0   3.0   3.0     Cher liabilities   883.0   940.0   907.0   878.7   853.6   Gas customers (000)   67   65   65   65     Shareholder's funds   2,782.0   2,626.0   2,461.1   2,350.0   2,234.1   Average gas sales price (\$/GJ)   2.6   2.5   2.5   2.5   2.5   2.5     Shareholder's funds   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· · · · · · · · · · · · · · · · · · ·											
Balance Sheet (NZ\$m)         2019A         2020A         2021E         2022E         2023E         Retail electricity volumes (GWh)         6,554         5,694         5,615         5,561         5,395           Working capital         (3.0)         19.0         25.7         20.3         22.9         Electricity customers (000)         411         418         409         401         393           Fixed assets         4,097.0         3,999.0         3,808.9         3,640.2         3,490.5         Average usage/customer (MWh)         8.6         8.5         8.6         8.6         8.6           Intangibles         425.0         406.0         406.0         406.0         406.0         Average retail price (\$/MWh)         191         199         201         194         193           Right of use asset         29.0         27.0												
Working capital         (3.0)         19.0         25.7         20.3         22.9         Electricity customers (000)         411         418         409         401         393           Fixed assets         4,097.0         3,999.0         3,808.9         3,640.2         3,490.5         Average usage/customer (MWh)         8.6         8.5         8.6         8.6         8.6           Intangibles         425.0         406.0         406.0         406.0         406.0         406.0         Average retail price (\$/MWh)         191         199         201         194         193           Right of use asset         29.0         27.0	(Increase)/decrease in net debt	469.0	(45.0)	(14.6)	34.8	6.1	Gas price (\$/GJ)	7.1	6.8	6.9	7.0	5.9
Fixed assets         4,097.0         3,999.0         3,808.9         3,640.2         3,490.5         Average usage/customer (MWh)         8.6         8.5         8.6         8.6         8.6           Intangibles         425.0         406.0         406.0         406.0         406.0         406.0         Average retail price (\$/MWh)         191         199         201         194         193           Right of use asset         29.0         27.0<	Balance Sheet (NZ\$m)	2019A	2020A	2021E	2022E	2023E	Retail electricity volumes (GWh)	6,554	5,694	5,615	5,561	5,395
Intangibles	Working capital	(3.0)	19.0	25.7	20.3	22.9	Electricity customers (000)	411	418	409	401	393
Right of use asset         29.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         27.0         4.0         4.0         17.0         17.3	Fixed assets	4,097.0	3,999.0	3,808.9	3,640.2	3,490.5	Average usage/customer (MWh)	8.6	8.5	8.6	8.6	8.6
Other assets         132.0         173.0         173.0         173.0         173.0         173.0         LWAP (\$/MWh)         136         108         107         72         64           Total funds employed         4,680.0         4,624.0         4,440.6         4,266.5         4,119.4         LWAP/GWAP         1.06         1.08         1.08         1.11         1.10           Net debt/(cash)         990.0         1,036.0         1,056.6         1,015.8         1,009.7         1.00         1.00         1.00         3.1         3.0         3.0         3.0         3.0           Chase liability         25.0         22.0         22.0         22.0         Retail gas volumes (PJ)         3.1         3.0         3.0         3.0         3.0           Other liabilities         883.0         940.0         907.0         878.7         853.6         Gas customers (000)         67         65         65         65         65           Shareholder's funds         2,782.0         2,626.0         2,461.1         2,350.0         2,234.1         Average gas sales price (\$/GJ)         23.6         24.5         25.4         25.8         24.8           Minority interests         0         0         0         0	Intangibles	425.0	406.0	406.0	406.0	406.0	Average retail price (\$/MWh)	191	199	201	194	193
Total funds employed         4,680.0         4,624.0         4,440.6         4,266.5         4,119.4         LWAP/GWAP         1.06         1.08         1.08         1.08         1.11         1.10           Net debt/(cash)         990.0         1,036.0         1,056.6         1,015.8         1,097.7         1.06         1.08         1.08         1.11         1.10           Lease liability         250.0         22.0         22.0         22.0         Retail gas volumes (PJ)         3.1         3.0         3.0         3.0         3.0           Other liabilities         883.0         940.0         907.0         878.7         853.6         Gas customers (000)         67         65         65         65           Shareholder's funds         2,782.0         2,461.1         2,350.0         2,234.1         Average gas sales price (\$GJ)         23.6         24.5         25.4         25.8         24.8           Minority interests         0	=											
Net debt/(cash)         990.0         1,036.0         1,056.6         1,015.8         1,009.7           Lease liability         25.0         22.0         22.0         22.0         Retail gas volumes (PJ)         3.1         3.0         3.0         3.0         3.0           Other liabilities         883.0         940.0         907.0         878.7         853.6         Gas customers (000)         67         65         65         65           Shareholder's funds         2,782.0         2,626.0         2,461.1         2,350.0         2,234.1         Average gas sales price (\$/GJ)         23.6         24.5         25.4         25.8         24.8           Minority interests         0         0         0         0         0         0         0							**					
Lease liability         25.0         22.0         22.0         22.0         22.0         Retail gas volumes (PJ)         3.1         3.0         3.0         3.0         3.0           Other liabilities         883.0         940.0         907.0         878.7         853.6         Gas customers (000)         67         65         65         65           Shareholder's funds         2,782.0         2,626.0         2,461.1         2,350.0         2,234.1         Average gas sales price (\$/GJ)         23.6         24.5         25.4         25.8         24.8           Minority interests         0							LWAP/GWAP	1.06	1.08	1.08	1.11	1.10
Other liabilities         883.0         940.0         907.0         878.7         853.6         Gas customers (000)         67         65         65         65         65           Shareholder's funds         2,782.0         2,626.0         2,461.1         2,350.0         2,234.1         Average gas sales price (\$/GJ)         23.6         24.5         25.4         25.8         24.8           Minority interests         0												
Shareholder's funds         2,782.0         2,626.0         2,461.1         2,350.0         2,234.1         Average gas sales price (\$/GJ)         23.6         24.5         25.4         25.8         24.8           Minority interests         0	,											
Minority interests 0 0 0 0 0												
·							Average gas sales price (\$/GJ)	23.6	24.5	25.4	25.8	24.8
Total funding sources 4,680.0 4,624.0 4,440.6 4,266.5 4,119.4	·											
	Iotal funding sources	4,680.0	4,624.0	4,440.6	4,266.5	4,119.4						

## FORSYTH BARR

### **Charts of interest**

Figure 1. Share price vs. expected minium entry price

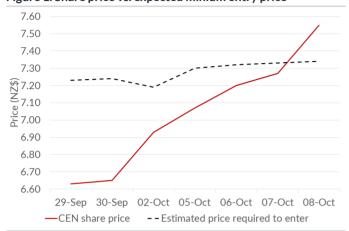


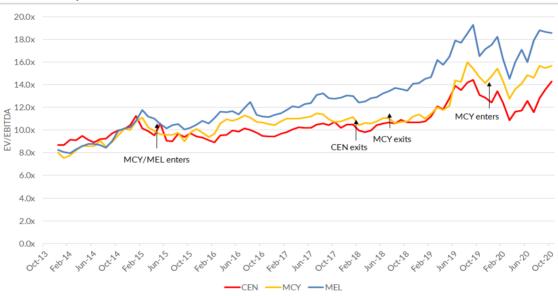
Figure 2. Market cap of index members

Rank	In Index?	Code	Full Market Cap (\$m)
1	Υ	FPH	19782
2	Υ	ATM	11553
3	Υ	MEL	14097
4	Υ	SPK	8616
5	Υ	AIA	9234
6	Υ	MCY	7316
7	Υ	RYM	7400
8	N	CEN	5422

Source: Eikon, Forsyth Barr analysis

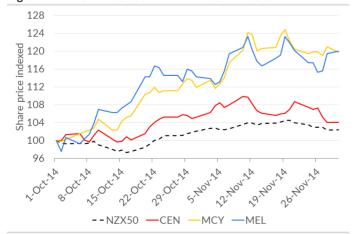
Source: Bloomberg, Forsyth Barr analysis

Figure 3. EV/EBITDA multiples



Source: Eikon, Forsyth Barr analysis

Figure 4. MEL and MCY at November 2014 rebalance



Source: Eikon, Forsyth Barr analysis

Figure 5. CEN in the lead up to the 2019 pricing period



Source: Bloomberg, Forsyth Barr analysis

# 🛟 FORSYTH BARR

Figure 6. Price performance



Source: Forsyth Barr analysis

Figure 7. Substantial shareholders

Shareholder	Latest Holding
BlackRock Investment Management	6.4%
ACC	5.1%
The Vanguard Group	5.0%

Source: NZX, Forsyth Barr analysis, NOTE: based on SPH notices only

Figure 8. International valuation comparisons

Company	Code	Price	Price Mkt Cap		PE		EV/EBITDA		EV/EBIT	
(metrics re-weighted to reflect CE		(m)	2021E	2022E	2021E	2022E	2021E	2022E	2022E	
Contact Energy	CEN NZ	NZ\$7.55	NZ\$5,402	21.9x	27.0x	13.9x	16.2x	30.6x	38.3x	4.2%
GENESIS ENERGY *	GNE NZ	NZ\$3.06	NZ\$3,193	17.0x	16.8x	11.0x	11.9x	23.6x	29.2x	4.6%
MERIDIAN ENERGY*	MEL NZ	NZ\$5.26	NZ\$13,479	31.1x	35.2x	20.0x	22.5x	33.9x	41.2x	3.2%
MERCURY*	MCY NZ	NZ\$5.23	NZ\$7,125	27.1x	28.9x	16.5x	16.7x	29.6x	31.1x	3.3%
TRUSTPOWER *	TPW NZ	NZ\$7.30	NZ\$2,285	25.5x	25.3x	15.0x	15.0x	19.9x	19.8x	4.1%
AGL ENERGY	AGL AT	A\$13.61	A\$8,479	13.8x	16.6x	6.2x	6.8x	10.7x	12.8x	5.9%
ORIGIN ENERGY	ORG AT	A\$4.52	A\$7,961	19.9x	13.1x	5.6x	5.0x	19.9x	14.7x	5.2%
		С	ompco Average:	22.4x	22.6x	12.4x	13.0x	22.9x	24.8x	4.4%
EV = Current Market Cap + Actual		<b>CEN Relative:</b>	-2%	19%	12%	25%	34%	54%	-3%	

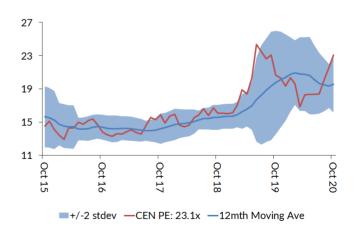
Source: \*Forsyth Barr analysis, Bloomberg Consensus, Compco metrics re-weighted to reflect headline (CEN) companies fiscal year end

Figure 9. Consensus EPS momentum (NZ\$)



Source: Forsyth Barr analysis

Figure 10. One year forward PE (x)



Source: Forsyth Barr analysis

## FORSYTH BARR

Analyst certification: The research analyst(s) primarily responsible for the preparation and content of this publication ("Analysts") are named on the first page of this publication. Each such Analyst certifies (other than in relation to content or views expressly attributed to another analyst) that (i) the views expressed in this publication accurately reflect their personal views about each issuer and financial product referenced and were prepared in an independent manner, including with respect to Forsyth Barr Limited and its related companies; and (ii) no part of the Analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by that Analyst in this report.

Analyst holdings: The following Analyst(s) have a threshold interest in the financial products referred to in this publication: N/A. For these purposes, a threshold interest is defined as being a holder of more than \$50,000 in value or 1% of the financial products on issue, whichever is the lesser.

Ratings distributions: As at 7 Oct 2020, Forsyth Barr's research ratings were distributed as follows:

OUTPERFORM
41.5%

AS 32

AS 32

DUTPERFORM
45.3%

13.2%

Forsyth Barr's research ratings are OUTPERFORM, NEUTRAL, and UNDERPERFORM. The ratings are relative to our other equity security recommendations across our New Zealand market coverage and are based on risk-adjusted Estimated Total Returns for the securities in question. Risk-adjusted Estimated Total Returns are calculated from our assessment of the risk profile, expected dividends and target price for the relevant security.

Disclosure: Forsyth Barr Limited and its related companies (and their respective directors, officers, agents and employees) ("Forsyth Barr") may have long or short positions or otherwise have interests in the financial products referred to in this publication, and may be directors or officers of, and/or provide (or be intending to provide) investment banking or other services to, the issuer of those financial products (and may receive fees for so acting). Forsyth Barr is not a registered bank within the meaning of the Reserve Bank of New Zealand Act 1989. Forsyth Barr may buy or sell financial products as principal or agent, and in doing so may undertake transactions that are not consistent with any recommendations contained in this publication. Other Forsyth Barr business units may hold views different from those in this publication; any such views will generally not be brought to your attention. Forsyth Barr confirms no inducement has been accepted from the issuer(s) that are the subject of this publication, whether pecuniary or otherwise, in connection with making any recommendation contained in this publication. In preparing this publication, non-financial assistance (for example, access to staff or information) may have been provided by the issuer(s) being researched.

**Investment banking engagements:** Other than confidential engagements, Forsyth Barr has not within the past 12 months been engaged to provide investment banking services to the issuer that is the subject of this publication. For information about whether Forsyth Barr has within the past 12 months been engaged to provide investment banking services to any other issuer referred to in this publication, please refer to the most recent research report for that issuer's financial products.

Not personalised financial advice: The recommendations and opinions in this publication do not take into account your personal financial situation or investment goals. The financial products referred to in this publication may not be suitable for you. If you wish to receive personalised financial advice, please contact your Forsyth Barr Investment Adviser. The value of financial products may go up and down and investors may not get back the full (or any) amount invested. Past performance is not necessarily indicative of future performance. Disclosure statements for Forsyth Barr Investment Advisers are available on request and free of charge.

Disclaimer: This publication has been prepared in good faith based on information obtained from sources believed to be reliable and accurate. However, that information has not been independently verified or investigated by Forsyth Barr. Forsyth Barr does not make any representation or warranty (express or implied) that the information in this publication is accurate or complete, and, to the maximum extent permitted by law, excludes and disclaims any liability (including in negligence) for any loss which may be incurred by any person acting or relying upon any information, analysis, opinion or recommendation in this publication. Forsyth Barr does not undertake to keep current this publication; any opinions or recommendations may change without notice to you. Any analyses or valuations will typically be based on numerous assumptions; different assumptions may yield materially different results. Nothing in this publication should be construed as a solicitation to buy or sell any financial product, or to engage in or refrain from doing so, or to engage in any other transaction. This publication is not intended to be distributed or made available to any person in any jurisdiction where doing so would constitute a breach of any applicable laws or regulations or would subject Forsyth Barr to any registration or licensing requirement within such jurisdiction.

Terms of use: Copyright Forsyth Barr Limited. You may not redistribute, copy, revise, amend, create a derivative work from, extract data from, or otherwise commercially exploit this publication in any way. By accessing this publication via an electronic platform, you agree that the platform provider may provide Forsyth Barr with information on your readership of the publications available through that platform.