



NEW ZEALAND EQUITY RESEARCH

18 MAY 2021

INSURANCE

GENERAL INSURANCE

Tower

Hopes for FY21 Growth Go Up in Smoke

ZOIE REGAN

zoie.regan@forsythbarr.co.nz +64 9 918 9207

Tower (TWR) has downgraded its FY21 guidance for underlying NPAT from >NZ\$29.8m to NZ\$25-27m (-13% at the midpoint) a little over a week out from its 1H21 result. We have made preliminary adjustments to our forecasts based on the limited details released but expect to further refine our forecasts next week, subsequent to the release of its 1H21 result.

NZX Code	TWR	Financials: Sep/	20A	21E	22E	23E	Valuation (x)	20A	21E	22E	23E
Share price	NZ\$0.81	NPAT* (NZ\$m)	28.0	24.3	31.6	38.4	PE	12.1	14.1	10.8	8.9
Spot Valuation	NZ\$0.95 (from 0.96)	EPS* (NZc)	6.7	5.8	7.5	9.1	EV/EBIT	n/a	n/a	n/a	n/a
Risk rating	Medium	EPS growth* (%)	-13.8	-14.2	30.3	21.4	EV/EBITDA	n/a	n/a	n/a	n/a
Issued shares	421.6m	DPS (NZc)	0.0	5.2	5.7	6.5	Price / NTA	1.5	1.6	1.6	1.5
Market cap	NZ\$342m	Imputation (%)	0	0	25	100	Cash div yld (%)	0.0	6.4	7.0	8.0
Avg daily turnover	361.7k (NZ\$255k)	*Based on normali	sed profi	ts			Gross div yld (%)	0.0	6.4	7.7	11.1

What's changed?

Earnings: Underlying profit after tax -11.9%/-4.7%/-0.8% in FY21/FY22/FY23 predominately reflecting adjustments to loss ratios and investment income assumptions

The good

- 1. Guidance for growth in Gross Written Premium (GWP) is marginally better than we expected, with TWR forecasting growth to be +5% or greater for FY21, despite declining GWP in the Pacific business. TWR also expects improvement in its management expense ratio (MER), consistent with our thesis for operating leverage.
- 2. TWR remains committed to its dividend policy of paying out 60–80% of cash earnings and has reconfirmed it expects to declare an interim dividend of NZ2.5cps next week.

The bad

- 1. TWR has called out higher house claims costs driven by an increasing frequency of large house claims (i.e claims totalling more than NZ\$50k). TWR incurred 52 large house claims totalling NZ\$9m in 1H21, up from 26 and NZ\$4.9m respectively in 1H20. The majority of these large claims relate to fire damage, for which TWR offers full replacement cost. This trend of increasing fire claims has continued into 2H21, with some hypothesising that the increasing number of people working from home is a contributing factor. Assuming this trend is being experienced across the market, claims inflation (whether it be from increasing fire frequency or general inflationary pressures) should be matched with rate escalation, such that there should be minimal degradation to longer term loss ratios, however, there may be a short term impact until policies rollover.
- $2. \ Investment income in 1H21 of NZ \$0.6 m \ was \ materially lower than we were anticipating and compares to NZ \$2.2 m in 1H20.$

The potential for ugly?

- 1. TWR continues to set guidance based on current levels of actual large events i.e. assuming no additional large events for the remaining of FY21 despite a median of NZ\$3.7m being incurred for large events over the last six interim periods. We continue to take a more conservative view on large event claims; we assume large events continue to follow similar trends to that incurred historically and as a result forecast FY21 underlying earnings of NZ\$24.6m (revised down -11.9% vs previous). If we were instead to take TWR's assumptions on large events our FY21 underlying earnings would be NZ\$25.6m.
- 2. Management has flagged the potential for an increase in the full year reinsurance costs, but can not quantify the potential worst case scenario, opening the door for increased downside risk, in our opinion.





Tower Limited (TWR)

Market data (NZ\$)						Spot valuations (NZ\$)					0.95	
Priced as at 17 May 2021	0.81			1. PE relative								
52 week high / low				(0.89 / 0.57	2. PB relative						
Market capitalisation (NZ\$m)					341.5	3. n/a					n/a	
Key WACC assumptions						DCF valuation summary (NZ\$m)						
Risk free rate					2.30%	Total firm value					n/a	
Equity beta					1.20	(Net debt)/cash					n/a	
WACC					10.1%	Less: Capitalised operating leases					n/a	
Terminal growth					1.5%	Value of equity					n/a	
Profit and Loss Account (NZ\$m)	2019A	2020A	2021E	2022E	2023E	Valuation Ratios	2019A	2020A	2021E	2022E	2023E	
Sales revenue	345.0	380.5	402.2	424.3	443.2	EV/EBITDA (x)	n/a	n/a	n/a	n/a	n/a	
Normalised EBITDA	n/a	n/a	n/a	n/a	n/a	EV/EBIT (x)	n/a	n/a	n/a	n/a	n/a	
Depreciation and amortisation	n/a	n/a	n/a	n/a	n/a	PE (x)	10.4	12.1	14.1	10.8	8.9	
Normalised EBIT	n/a	n/a	n/a	n/a	n/a	Price/NTA (x)	1.5	1.5	1.6	1.6	1.5	
Net interest	n/a	n/a	n/a	n/a	n/a	Free cash flow yield (%)	7.2	5.5	27.2	16.6	18.4	
Associate income	0	0	0	0	0	Net dividend yield (%)	0.0	0.0	6.4	7.0	8.0	
Tax	n/a	n/a	n/a	n/a	n/a	Gross dividend yield (%)	0.0	0.0	6.4	7.7	11.1	
Minority interests	0.2	0.4	0.3	0.3	0.4							
Normalised NPAT	27.3	28.0	24.3	31.6	38.4	Key Ratios	2019A	2020A	2021E	2022E	2023E	
Abnormals/other	(10.7)	(16.1)	(1.8)	(1.4)	(1.1)	Return on assets (%)	n/a	n/a	n/a	n/a	n/a	
Reported NPAT	16.6	11.9	22.5	30.2	37.3	Return on equity (%)	9.4	8.1	7.0	9.0	10.6	
Normalised EPS (cps)	7.8	6.7	5.8	7.5	9.1	Return on funds employed (%)	0.0	0.0	0.0	0.0	0.0	
DPS (cps)	0	0	5.2	5.7	6.5	EBITDA margin (%)	n/a	n/a	n/a	n/a	n/a	
						EBIT margin (%)	n/a	n/a	n/a	n/a	n/a	
Growth Rates	2019A	2020A	2021E	2022E	2023E	Capex to sales (%)	10.9	2.8	3.8	3.8	3.8	
Revenue (%)	6.8	10.3	5.7	5.5	4.5	Capex to depreciation (%)	n/a	n/a	n/a	n/a	n/a	
EBITDA (%)	n/a	n/a	n/a	n/a	n/a	Imputation (%)	0	0	0	25	100	
EBIT (%)	n/a	n/a	n/a	n/a	n/a	Pay-out ratio (%)	0	0	90	76	71	
Normalised NPAT (%)	>100	2.7	-13.3	30.3	21.4							
Normalised EPS (%)	84.7	-13.8	-14.2	30.3	21.4	Capital Structure	2019A	2020A	2021E	2022E	2023E	
Ordinary DPS (%)	n/a	n/a	n/a	10.6	13.8	Solvency capital	155.9	150.5	191.7	194.8	203.2	
						Minimum solvency capital	56.6	52.3	52.9	52.9	52.9	
Cash Flow (NZ\$m)	2019A	2020A	2021E	2022E	2023E	Total regulatory capital	106.6	102.3	101.9	102.9	102.9	
EBITDA	n/a	n/a	n/a	n/a	n/a	Solvency ratio (%)	275	287	363	368	384	
			. /-	n/a	n/a							
Working capital change	n/a	n/a	n/a	II/a	11,0							
Working capital change Interest & tax paid	n/a 0	n/a 0	n/a O	0	0	Operating Performance	2019A	2020A	2021E	2022E	2023E	
						Operating Performance Gross written premium	2019A 356.8	2020A 385.1	2021E 404.7	2022E 426.9	2023E 446.0	
Interest & tax paid	0	0	0	0	0							
Interest & tax paid Other	0 0 24.6 (37.6)	0 0 18.9 (10.5)	0 0	0 0 56.6 (16.3)	0 0 62.7 (17.1)	Gross written premium	356.8	385.1	404.7	426.9	446.0	
Interest & tax paid Other Operating cash flow	0 0 24.6	0 0 18.9 (10.5) (9.5)	0 0 92.8	0 0 56.6 (16.3) 0	0 0 62.7 (17.1) 0	Gross written premium Gross earned premium	356.8 345.0	385.1 380.5	404.7 402.2	426.9 424.3	446.0 443.2	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other	0 0 24.6 (37.6)	0 0 18.9 (10.5)	0 0 92.8 (15.5)	0 0 56.6 (16.3) 0 (2.8)	0 6 2.7 (17.1) 0 (2.9)	Gross written premium Gross earned premium Reinsurance expense	356.8 345.0 (55.0)	385.1 380.5 (57.2)	404.7 402.2 (60.2)	426.9 424.3 (61.7)	446.0 443.2 (64.3)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required)	0 0 24.6 (37.6) 0 (42.0) (55.0)	0 0 18.9 (10.5) (9.5) (9.4) (10.5)	0 92.8 (15.5) (14.0) (12.1) 51.2	0 56.6 (16.3) 0 (2.8) 37.5	0 62.7 (17.1) 0 (2.9) 42.8	Gross written premium Gross earned premium Reinsurance expense Net earned premium	356.8 345.0 (55.0) 290.0	385.1 380.5 (57.2) 323.3	404.7 402.2 (60.2) 342.0	426.9 424.3 (61.7) 362.6	446.0 443.2 (64.3) 378.9	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid	0 0 24.6 (37.6) 0 (42.0) (55.0)	0 0 18.9 (10.5) (9.5) (9.4) (10.5)	0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8)	0 56.6 (16.3) 0 (2.8) 37.5 (24.1)	0 62.7 (17.1) 0 (2.9) 42.8 (27.4)	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense	356.8 345.0 (55.0) 290.0 (140.3)	385.1 380.5 (57.2) 323.3 (149.7)	404.7 402.2 (60.2) 342.0 (169.6)	426.9 424.3 (61.7) 362.6 (177.7)	446.0 443.2 (64.3) 378.9 (183.3)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned)	0 0 24.6 (37.6) 0 (42.0) (55.0)	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9	0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8)	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1)	0 62.7 (17.1) 0 (2.9) 42.8 (27.4)	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense	356.8 345.0 (55.0) 290.0 (140.3) (1.3)	385.1 380.5 (57.2) 323.3 (149.7) (9.7)	404.7 402.2 (60.2) 342.0 (169.6) (13.7)	426.9 424.3 (61.7) 362.6 (177.7) (14.8)	446.0 443.2 (64.3) 378.9 (183.3) (15.5)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid	0 0 24.6 (37.6) 0 (42.0) (55.0)	0 0 18.9 (10.5) (9.5) (9.4) (10.5)	0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8)	0 56.6 (16.3) 0 (2.8) 37.5 (24.1)	0 62.7 (17.1) 0 (2.9) 42.8 (27.4)	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4)	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9)	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0)	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4	0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0	0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m)	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0)	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4	0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4	0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 (55.0) 2019A	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A	0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6)	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5)	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6)	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0) 2019A 171.6 9.1	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0) 2019A 171.6 9.1 106.7	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7)	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8)	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4)	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0) 2019A 171.6 9.1 106.7	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0 286.6	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7)	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8)	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4)	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets Total funds employed	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0) 2019A 171.6 9.1 106.7	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0 286.6 585.1	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6 595.2	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax Key ratios	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7) 16.8	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8)	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4)	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0 286.6	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7)	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2)	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8)	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4)	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1)	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets Total funds employed Net debt/(cash) Lease liability	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1 565.5 (47.1)	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6 598.6 (80.1) 8.7	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0 286.6 585.1 (109.6)	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6 588.4 (123.0) 12.0	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6 595.2 (138.4) 9.1	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax Key ratios Tower Direct GWP Growth Partnership GWP Growth	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7) 16.8	385.1 380.5 (57.2) 323.3 (149.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2) 12.3	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8) 22.8	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4) 30.6	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1) 37.6	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets Total funds employed Net debt/(cash) Lease liability Other liabilities	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1 565.5 (47.1) 0 319.9	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6 598.6 (80.1) 8.7 322.9	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 140. 286.6 585.1 (109.6) 14.8 331.6	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6 588.4 (123.0) 12.0 344.6	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6 595.2 (138.4) 9.1 359.5	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax Key ratios Tower Direct GWP Growth Partnership GWP Growth GWP growth %	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7) 16.8	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2) 12.3	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8) 22.8 9.3% 5.0% 5.1%	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4) 30.6 6.8% 4.0% 5.5%	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1) 37.6	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets Total funds employed Net debt/(cash) Lease liability Other liabilities Shareholder's funds	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1 565.5 (47.1)	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6 598.6 (80.1) 8.7	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0 286.6 585.1 (109.6)	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6 588.4 (123.0) 12.0	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6 595.2 (138.4) 9.1	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax Key ratios Tower Direct GWP Growth Partnership GWP Growth GWP growth % Total claims ratio %	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7) 16.8	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2) 12.3	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8) 22.8	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4) 30.6	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1) 37.6	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets Total funds employed Net debt/(cash) Lease liability Other liabilities	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1 565.5 (47.1) 0 319.9	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6 598.6 (80.1) 8.7 322.9	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 140. 286.6 585.1 (109.6) 14.8 331.6	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6 588.4 (123.0) 12.0 344.6	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6 595.2 (138.4) 9.1 359.5	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax Key ratios Tower Direct GWP Growth Partnership GWP Growth GWP growth %	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7) 16.8	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2) 12.3 13.7% 2.8% 7.9%	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8) 22.8 9.3% 5.0% 5.1%	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4) 30.6 6.8% 4.0% 5.5%	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1) 37.6	
Interest & tax paid Other Operating cash flow Capital expenditure (Acquisitions)/divestments Other Funding available/(required) Dividends paid Equity raised/(returned) (Increase)/decrease in net debt Balance Sheet (NZ\$m) Working capital Fixed assets Intangibles Right of use asset Other assets Total funds employed Net debt/(cash) Lease liability Other liabilities Shareholder's funds	0 0 24.6 (37.6) 0 (42.0) (55.0) 0 (55.0) 2019A 171.6 9.1 106.7 0 278.1 565.5 (47.1) 0 319.9 290.9	0 0 18.9 (10.5) (9.5) (9.4) (10.5) 0 44.9 34.4 2020A 184.1 10.0 119.6 7.2 277.6 598.6 (80.1) 8.7 322.9 345.0	0 0 92.8 (15.5) (14.0) (12.1) 51.2 (21.8) 0 29.5 2021E 143.8 10.9 129.7 14.0 28.6 585.1 (109.6) 14.8 331.6 345.8	0 0 56.6 (16.3) 0 (2.8) 37.5 (24.1) 0 13.4 2022E 145.1 11.8 133.1 11.7 286.6 588.4 (123.0) 12.0 344.6 351.9	0 0 62.7 (17.1) 0 (2.9) 42.8 (27.4) 0 15.4 2023E 151.6 12.7 135.0 9.4 286.6 595.2 (138.4) 9.1 359.5 361.8	Gross written premium Gross earned premium Reinsurance expense Net earned premium Net claims expense Large event claims expense Management and sales expenses Underwriting profit Investment and other revenue Financing costs Underlying profit before tax Income tax expense Underlying profit after tax Abnormals Reported profit / (loss) after tax Key ratios Tower Direct GWP Growth Partnership GWP Growth GWP growth % Total claims ratio %	356.8 345.0 (55.0) 290.0 (140.3) (1.3) (116.0) 32.4 7.0 (0.3) 39.1 (11.6) 27.5 (10.7) 16.8	385.1 380.5 (57.2) 323.3 (149.7) (9.7) (126.6) 37.3 6.4 (1.1) 42.6 (14.1) 28.5 (16.2) 12.3 13.7% 2.8% 7.9% 49%	404.7 402.2 (60.2) 342.0 (169.6) (13.7) (124.4) 34.2 1.2 (0.4) 35.1 (10.5) 24.6 (1.8) 22.8 9.3% 5.0% 5.1% 54%	426.9 424.3 (61.7) 362.6 (177.7) (14.8) (126.9) 43.2 2.7 (0.4) 45.5 (13.6) 32.0 (1.4) 30.6 6.8% 4.0% 5.5% 53%	446.0 443.2 (64.3) 378.9 (183.3) (15.5) (128.8) 51.3 4.2 (0.4) 55.2 (16.4) 38.7 (1.1) 37.6	





Earnings changes

Figure 1. Earnings changes

NZ\$m		FY21E			FY22E			FY23E	
Operating Performance	Old	New	Change	Old	New	Change	Old	New	Change
Gross written premium	400.9	404.7	0.9%	423.0	426.9	0.9%	441.9	446.0	0.9%
Gross earned premium	398.5	402.2	0.9%	420.4	424.3	0.9%	439.2	443.2	0.9%
Reinsurance expense	(59.7)	(60.2)	0.8%	(61.2)	(61.7)	0.8%	(63.8)	(64.3)	0.8%
Net earned premium	338.7	342.0	1.0%	359.2	362.6	0.9%	375.4	378.9	0.9%
Net claims expense	(164.4)	(169.6)	3.2%	(173.8)	(177.7)	2.2%	(181.6)	(183.3)	0.9%
Large event claims expense	(14.0)	(13.7)	-2.1%	(15.2)	(14.8)	-2.2%	(15.8)	(15.5)	-2.2%
Management and sales expenses	(123.6)	(124.4)	0.7%	(125.7)	(126.9)	0.9%	(127.6)	(128.8)	0.9%
Underwriting profit	36.7	34.2	-6.9%	44.5	43.2	-3.0%	50.3	51.3	1.9%
Investment and other revenue	3.4	1.2	-64.2%	3.6	2.7	-25.1%	5.7	4.2	-25.2%
Financing costs	(0.4)	(0.4)	0.0%	(0.4)	(0.4)	0.0%	(0.4)	(0.4)	0.0%
Underlying profit before tax	39.8	35.1	-11.9%	47.8	45.5	-4.7%	55.6	55.2	-0.8%
Income tax expense	(11.9)	(10.5)	-12.0%	(14.2)	(13.6)	-4.8%	(16.6)	(16.4)	-0.9%
Underlying profit after tax	27.9	24.6	-11.9%	33.5	32.0	-4.7%	39.1	38.7	-0.8%
Abnormals	(1.8)	(1.8)	0.0%	(1.4)	(1.4)	0.0%	(1.1)	(1.1)	0.0%
Reported profit / (loss) after tax	26.2	22.8	-12.7%	32.1	30.6	-4.9%	37.9	37.6	-0.8%
EPS (cps)	6.1	5.3	-12.8%	7.5	7.2	-4.9%	8.9	8.8	-0.8%
DPS (cps)	5.6	5.2	-8.7%	6.0	5.7	-4.7%	6.5	6.5	-0.8%
Payout	86%	89%		75%	75%		70%	70%	
Underlying ROE	8%	7%	-11.7%	10%	9%	-4.3%	11%	11%	-0.3%

Source: Forsyth Barr analysis

FORSYTH BARR



Figure 2. Price performance



Figure 3. Substantial shareholders

Shareholder	Latest Holding
Bain Capital Credit LP	20.0%
Salt Funds Management	8.4%
ACC	8.4%
Investment Services Group	6.5%
NZ Funds Management	5.2%

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

Source: Forsyth Barr analysis

Figure 4. International valuation comparisons

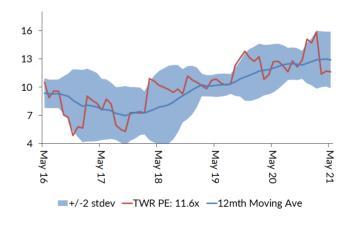
Company	Code	Price	Mkt Cap	PE		EV/EBITDA		EV/EBIT		Cash Yld
(metrics re-weighted to reflect TWR's b	(m)	2021E	2022E	2021E	2022E	2021E	2022E	2022E		
Tower Ltd	TWR NZ	NZ\$0.81	NZ\$342	14.1x	10.8x	n/a	n/a	n/a	n/a	7.0%
HEARTLAND GROUP HOLDINGS *	HGH NZ	NZ\$1.88	NZ\$1,102	12.7x	12.1x	n/a	n/a	n/a	n/a	5.9%
INSURANCE AUSTRALIA GROUP	IAG AT	A\$4.83	A\$11,906	15.4x	15.8x	n/a	n/a	n/a	11.3x	5.0%
SUNCORP GROUP	SUN AT	A\$10.25	A\$13,150	14.6x	14.5x	n/a	n/a	n/a	55.1x	5.5%
QBE INSURANCE GROUP	QBE AT	US\$10.45	US\$15,415	13.1x	17.0x	n/a	n/a	n/a	12.0x	3.6%
		(Compco Average:	13.9x	14.9x	n/a	n/a	n/a	26.1x	5.0%
EV = Current Market Cap + Actual Net [TWR Relative:	1%	-27%	n/a	n/a	n/a	n/a	41%		

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

Figure 5. Consensus EPS momentum (NZ\$)



Figure 6. One year forward PE (x)



Source: Forsyth Barr analysis

Source: Forsyth Barr analysis

FORSYTH BARR



Important information about this publication

Forsyth Barr Limited ("Forsyth Barr") holds a licence issued by the Financial Markets Authority to provide financial advice services. In making this publication available, Forsyth Barr (and not any named analyst personally) is giving any financial advice it may contain. Some information about us and our financial advice services is publicly available. You can find that on our website at www.forsythbarr.co.nz/choosing-a-financial-advice-service

This publication has been commissioned by Tower ("Researched Entity") and prepared and issued by Forsyth Barr in consideration of a fee payable by the Researched Entity. Forsyth Barr follows a research process (including through the Analyst certification below) designed to ensure that the recommendations and opinions in our research publications are not influenced by this arrangement and the other interests of Forsyth Barr and related parties disclosed below. However, entities may not be willing to continue to pay for research coverage that includes unfavourable views.

Any recommendations or opinions in this publication do not take into account your personal financial situation or investment goals, and may not be suitable for you. If you wish to receive personalised financial advice, please contact your Forsyth Barr Investment Adviser.

Past performance is not indicative of future performance. Estimates of future performance are based on assumptions that may not be realised. If provided, and unless otherwise stated, the closing price provided is that of the primary exchange for the issuer's securities or investments.

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. If there are material inaccuracies or omissions in the information it is likely that our recommendations or opinions would be different. Any analyses or valuations will also typically be based on numerous assumptions (such as the key WACC assumptions); different assumptions may yield materially different results.

Forsyth Barr does not undertake to keep current this publication; any opinions or recommendations may change without notice to you.

In giving financial advice, Forsyth Barr is bound by duties under the Financial Markets Conduct Act 2013 ("FMCA") to:

- exercise care, diligence, and skill,
- give priority to the client's interests, and
- when dealing with retail clients, comply with the Code of Professional Conduct for Financial Advice Services, which includes standards relating to competence, knowledge, skill, ethical behaviour, conduct, and client care.

There are likely to be fees, expenses, or other amounts payable in relation to acting on any recommendations or opinions in this publication. If you are Forsyth Barr client we refer you to the Advice Information Statement for your account for more information.

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 publication.

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.

Other disclosures: Forsyth Barr and its related companies (and their respective directors, officers, agents and employees) ("Forsyth Barr Group") 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. Members of the Forsyth Barr Group 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 Researched Entity.

Complaints: Information about Forsyth Barr's complaints process and our dispute resolution process is available on our website - www.forsythbarr.co.nz.

Disclaimer: Where the FMCA applies, liability for the FMCA duties referred to above cannot by law be excluded. However to the maximum extent permitted by law, Forsyth Barr otherwise 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. The information contained within this publication is published solely for information purposes and is not a solicitation or offer to buy or sell any financial instrument or participate in any trading or investment strategy.

Distribution: 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.