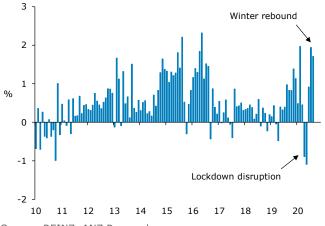
September 2020

New Zealand Property Focus Lend me a hand



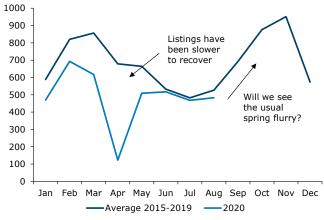


Housing supports fast-acting House prices rebound in winter



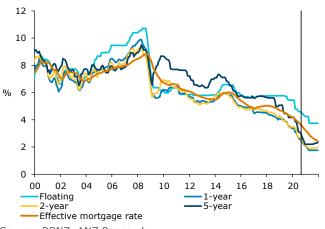
Source: REINZ, ANZ Research

Especially with inventory low New listings have not played catch-up



Source: Realestate.co.nz, ANZ Research

Rates set to go lower Mortgage rate forecasts



Lower rates one factor

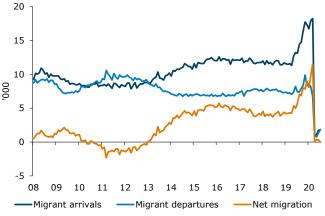
- Mortgage rates have fallen ~80bps.
- Impact still passing through.

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- There are other fast-acting supports.
- These have spurred pent-up demand.
- Market tight, with listings low.

Other factors to weigh slowly Weak migration, rising unemployment



Source: Statistics NZ, ANZ Research

RBNZ policy lending a hand With negative OCR on the way

Quantitative easing providing stimulus

Negative OCR will support market

But we could see wobbles emerge

Even more stimulus may be needed

Source: RBNZ, ANZ Research

This is not personal advice. It does not consider your objectives or circumstances. Please refer to the Important Notice.





Liz Kendall, David Croy or Sharon Zollner for more details. See page 12.

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Summary

Our monthly *Property Focus* publication provides an independent appraisal of recent developments in the residential property market.

Housing market overview

House prices have picked up recently, with strong demand in the usually quieter winter months. House listings are low and have not played "catch up" after lockdown, contributing to tightness in the market, price rises and anecdotes that the market is hot. Factors that have supported the market – lower mortgage rates, wage subsidies, pent-up demand and the like – have impacted the market quickly. But dampening factors are expected to weigh more slowly, including weak migration, the economy coming off fiscal life support, and a weaker economic pulse as the impacts of the closed border are felt. Mortgage rates are set to go even lower, especially once the OCR goes lower next year, though it may not be enough to offset wobbles that could emerge as the economy enters more challenging months ahead. We may see the current winter heat replaced by a summer chill. See Housing Market Overview for more.

Feature Article: Lend me a hand

The housing market and new mortgage lending are bright spots in an economy otherwise facing an enormous amount of uncertainty. Low mortgage rates are lending a hand, and monetary policy is expected to provide even more stimulus, with the OCR expected to go negative next year alongside a bank Funding for Lending Programme (FLP). We expect the OCR will be lowered by 50bps to -0.25% in April, and that the FLP will strengthen the pass-through to retail rates. The impact of the combined policies is uncertain, but short-term fixed mortgage rates could dip below 2% next year. Further declines in mortgage rates will help to shore up the housing market, spending and confidence. But that's set to go up against a range of dampening factors that are likely to become more evident by year end. Because of this, we expect that lower mortgage rates will provide a cushion, but won't propel the housing market significantly. That said, there are offsetting forces and a 'muddle through' is possible. More broadly, risks to the economic outlook are tilted to the downside and it is possible that the OCR moves even lower than we currently expect. See Feature Article: Lend me a hand for more.

Mortgage borrowing strategy

Home loan rates are little changed over the past month, with the only perceptible change being the circa 0.15% decline in the average 6-month rate. The 1-year rate remains the "sweet spot" and is still the term that we believe offers the best value. Although we expect the OCR to go lower in April, which is just over six months from now, analysis shows that it is still likely to be cheaper to opt for the 1-year, rather than fix for six months with a view to re-fixing again in six months. That's simply a reflection of more competition in 1- and 2-year terms. With OCR hikes years away and the RBNZ flagging the introduction of a "funding for lending" programme expressly designed to lower retail interest rates, we see limited appeal in fixing for more than one year, unless one puts a high value on certainty. See Mortgage Borrowing Strategy for more.



Summary

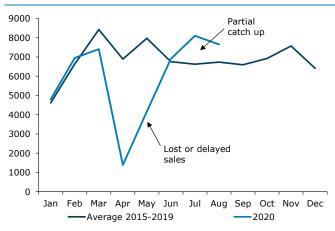
House prices have picked up recently, with strong demand in the usually quieter winter months. House listings are low and have not played "catch up" after lockdown, contributing to tightness in the market, price rises and anecdotes that the market is hot. Factors that have supported the market - lower mortgage rates, wage subsidies, pent-up demand and the like - have impacted the market quickly. But dampening factors are expected to weigh more slowly, including weak migration, the economy coming off fiscal life support, and a weaker economic pulse as the impacts of the closed border are felt. Mortgage rates are set to go even lower, especially once the OCR goes lower next year, though it may not be enough to offset wobbles that could emerge as the economy enters more challenging months ahead. We may see the current winter heat replaced by a summer chill.

Demand rebounds on low inventory

The housing market has recovered strongly in recent months. Although housing market activity has been dented by renewed lockdown, house prices have continued to push higher. Since the trough in May, house prices have increased 5% to be almost 3% above pre-COVID levels.

House sales that were lost during lockdown have been clawed back, but only partially (figure 1). Demand has recovered swiftly, but this has occurred in the usually guieter winter months, making for some unsustainably - and perhaps misleadingly - high year-on-year comparisons.





Source: REINZ, ANZ Research

New listings have recovered slowly and have only returned to normal winter levels (figure 2), with no "catch up" for those listings that were lost during lockdown. This slow recovery in listings at the same time as demand has been recovering has meant the market has been quite "tight", with relatively few houses available for the number of interested buyers. This has contributed to price rises and anecdotes that the housing market has been running hot.





Source: Realestate.co.nz, ANZ Research

We may start to see market tightness relax a little if we see the usual spring flurry of new listings. Recent strength in the market may encourage sellers to list. Indeed, resilience in the market has seen house price expectations revised upwards to levels that are no longer consistent with annual falls, according to our ANZ-Roy Morgan Consumer Confidence survey (figure 3). The question remains whether this renewed sense of optimism will last as we enter the more challenging months ahead.





Source: REINZ, Roy-Morgan, ANZ Research

Supportive factors have been seen, quickly

The factors that have been supportive of housing demand have impacted quite quickly. Low interest rates have spurred new buying activity, and these will continue to provide support as interest rates move lower (see Feature Article: Lend me a hand).

There has been increased interest amongst first home buyers and the relaxation of the RBNZ's loan-to-value restrictions has contributed to housing demand, though



not enormously, based on new lending data to date. The wage subsidy and mortgage deferment scheme have also provided a boost. All of these factors have provided a rapid boost to the housing market, spurring the pent-up demand dynamic seen out of lockdown.

But dampening factors will weigh, slowly

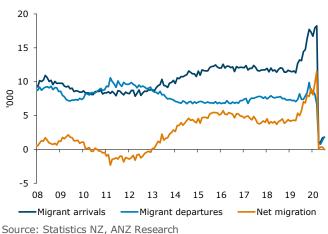
Although supportive factors have affected the market quickly, dampening factors are set to weigh more gradually - but persistently. The economy will come off life support in coming months, particularly as the wage subsidy ends, but also the mortgage deferment scheme that has meant very few have been put in a must-sell position. And the impacts of the closed border on industries like tourism are expected to be felt more acutely in the summer months, when demand would normally be strong. During the usually quiet winter months, domestic tourism has provided a cushion.

Fiscal support and a delayed closed border impact have muted the impact of the economic downturn on the labour market. This in turn will have delayed any flow-on effects to the housing market. But as job losses rise, this is expected to put pressure on debt-servicing ability for some, despite low mortgage rates (see last month's ANZ Property Focus). And even for those who retain their jobs, rising unemployment is expected to weigh on confidence when the full impact of the recession becomes apparent. At that time, the current enthusiasm in the housing market is expected to be tempered at best, or sharply jolted at worst.

Weak migration is also expected to weigh. Contrary to anecdote, population growth is not strong - it is very weak (figure 4). There have been some returning kiwis, some of whom may well have been contributing to housing market strength. But in net terms, migration in

recent months has been near zero. Migration is typically a strong contributor to housing market strength in the context of tight supply, and this abrupt shift in population flows is expected to weigh on the housing market, though it could take 3-6 months to be evident in housing demand.

Figure 4. Monthly net migration



Increasing income strains and weak migration are expected to see some wobbles start to affect the housing market later this year and into next. However, lower mortgage rates will provide an offset and the exact trajectory for the housing market is uncertain.

The outlook will depend on a range of factors, including COVID-19 and vaccine developments; the underlying state of the economy (especially as closed border impacts are felt); the pass through of monetary stimulus to mortgage rates; fiscal support, particularly as the wage subsidy ends; and how households and firms respond in the challenging months ahead.

Housing market indicators for August 2020 (based on REINZ data seasonally adjusted by ANZ Research)

5	5				, ,	2		
	Med	lian house pri	ice	House pri	ce index	# of	Monthly	Average
	Level	Annual % change	3-mth % change	Annual % change	3-mth % change	monthly sales	% change	days to sell
Northland	\$614,158	16.6	11.8	9.6	1.3	233	+3%	55
Auckland	\$952,394	15.9	2.8	10.7	2.0	2,548	-6%	34
Waikato	\$631,846	16.5	9.2	10.9	3.1	814	-12%	33
Bay of Plenty	\$674,332	11.0	5.1	7.0	-0.4	493	-16%	38
Gisborne	\$444,962	9.5	11.9			37	+4%	35
Hawke's Bay	\$592,552	20.2	0.4	14.6	3.1	268	-8%	32
Manawatu-Whanganui	\$443,054	14.9	5.2	11.4	-1.8	380	-17%	28
Taranaki	\$463,531	14.7	10.3	14.2	2.6	171	-31%	23
Wellington	\$725,508	12.5	2.5	11.7	0.8	847	-8%	30
Tasman, Nelson & Marlborough	\$590,000	13.5	-1.1			270	-12%	30
Canterbury	\$511,278	13.0	5.5	7.9	3.9	1,010	-14%	36
Otago	\$585,309	16.9	14.2	3.8	-1.5	345	-30%	34
West Coast	\$232,831	17.4	6.6	7.1	2.0	40	-36%	74
Southland	\$372,412	20.5	6.0	11.2	0.0	191	+7%	30
New Zealand	\$685,451	16.4	2.9	10.1	1.8	7,650	-10%	34



Summary

The housing market and new mortgage lending are bright spots in an economy otherwise facing an enormous amount of uncertainty. Low mortgage rates are lending a hand, and monetary policy is expected to provide even more stimulus, with the OCR expected to go negative next year alongside a bank Funding for Lending Programme (FLP). We expect the OCR will be lowered by 50bps to -0.25% in April, and that the FLP will strengthen pass-through to retail rates. The impact of the combined policies is uncertain, but short-term fixed mortgage rates could dip below 2% next year. Further declines in mortgage rates will help to shore up the housing market, spending and confidence. But that's set to go up against a range of dampening factors that are likely to become more evident by year end. Because of this, we expect that lower mortgage rates will provide a cushion but won't propel the housing market significantly. That said, there are offsetting forces and a 'muddle through' is possible. More broadly, risks to the economic outlook are tilted to the downside and it is possible that the OCR moves even lower than we currently expect.

Credit growth has softened

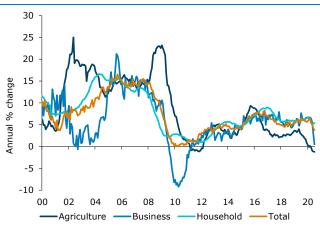
The RBNZ has been conducting significant monetary stimulus in order to stabilise the economy and shore up employment and inflation. Part of the mechanism through which this works is by supporting asset prices and credit expansion. So far, lower interest rates – along with other factors (see Housing Market Overview) – have kept the housing market resilient, but overall credit growth has softened (figure 1).

Household credit growth has been supported. But business lending has fallen 2.8% in recent months, following a temporary increase in March. And agricultural lending has been gradually softening over the past year and is now down 1.2% y/y.

Business lending is likely to come under further pressure in coming months. Some firms have used credit lines to help them through trying times, but generally businesses are reluctant to invest and are cautious about taking on debt. The end of the wage subsidy and other pressures (such as weaker demand, regulatory changes and skill shortages in some areas) will only intensify these trends, particularly as the impact of the current downturn becomes more acute as the year ends. Meanwhile, banks are likely to be cautious about lending to certain industries where risks are elevated.

This is typical recession behaviour; businesses tend to be reluctant to borrow and invest until they have more certainty, especially about future demand. Certainty tends to come as activity improves and firms are no longer operating with excess production capacity – but that will take quite some time. That's why giving the economy a solid kick-start through monetary and fiscal stimulus is so important – it can create feedback mechanisms through spending, incomes and confidence that help stabilise the economy and lead to job creation and investment in time.

Figure 1. Credit growth by sector

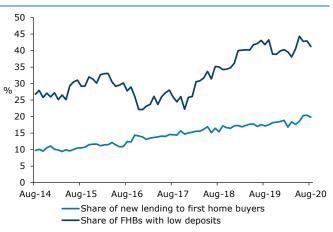


Source: RBNZ, ANZ Research

New mortgage lending a bright spot

New mortgage lending has recovered after a lockdowninduced dip in March in April, reflecting resilience in the housing market. New lending to borrowers with lower deposits (higher loan-to-value ratios) has ticked up only modestly since April from 10% of mortgage lending to 11%, reflecting a compositional shift as lending to first home buyers has increased a little (figure 2).





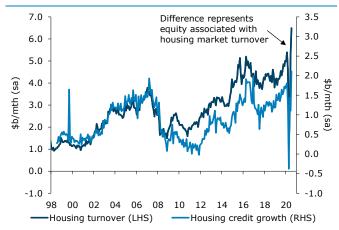
Source: RBNZ, ANZ Research

Although new lending has been strong, when one looks at net flows (taking into account principal repayment and the like), credit growth has been stable and not excessive. Realised equity gains (between buyers and sellers) associated with housing turnover have been



pretty stable on average in recent months (figure 3). What this means is that although new buyers will be taking on more debt, in aggregate households are not significantly "leveraging up", at least so far. As the housing market has recovered post-lockdown, some households appear to have used the opportunity to shore up their financial positions. Some borrowers may be paying back more principal and some sellers may be shoring up their equity. This, alongside increased first home buying, appears to have been broadly offsetting, and risk-taking associated with recent strength in the housing market does not appear excessive – so far.

Figure 3. Housing turnover and net credit growth



Source: RBNZ, ANZ Research

The possibility that lower interest rates alongside a removal of loan-to-value ratios spur excessive risk taking and exacerbate financial stability risks is certainly something of which to be vigilant. This could require the reinstatement of loan-to-value ratio restrictions (or other macro-prudential policy) in time, but on the other hand, a significant move towards increased risk aversion would stymie activity, so it's a balancing act. The loan-to-value restrictions were removed to encourage credit creation in the economic downturn and to facilitate mortgage deferment schemes, and it's worked. But it is unclear whether their removal will prove permanent or temporary, with the RBNZ set to review them again in April next year.

Housing market supporting economy

The resilience we have seen in the housing market has surprised us in that it has occurred in spite of acute economic disruption and uncertainty. For now, the market is supported. And to the extent that this is driven by lower interest rates, monetary policy appears to be doing its job.

Based on historical modelling, a ~0.8 percentage point fall in mortgage rates (as we have seen) might boost house prices by 2-2.5%, all else equal. But the rebound we have seen in house prices has been much swifter than the usual pass-through of lower mortgage rates (which can take up to a year). This is consistent with the fact that other factors have also been at play, such as the wage subsidy scheme, mortgage deferment, loosening in LVRs, pent-up demand, money that might have gone on overseas holidays being freed up, and possibly unusual seasonal effects due to the timing of the lockdown.

This boost to the housing market will provide support for the economy going forward. Housing market turnover directly encourages spending, new home building and renovations, with flow-on impacts. It also helps shore up confidence, particularly amongst consumers, but also amongst small business owners reliant on their homes for collateral. Solid asset values make households and banks view lending transactions favourably, helping to support spending further. By contrast, when asset values fall this can lead to a vicious cycle of reduced housing demand, forced sales, retrenched spending, and tightening in credit conditions - the RBNZ's easier policy stance can help stem off the risk of this happening, and has so far been effective at doing so. With the economy facing serious headwinds, this is not the moment to abruptly fix New Zealand's housing affordability problem via a house price crash.

That said, we do think the housing market could see a temporary wobble as the economic and confidence impacts of the current crisis become more evident late this year and into next year. Rising unemployment is expected to cause some income strains and uncertainty that will weigh on the market, though this is expected to be quickly responded to with a negative OCR and Funding for Lending Scheme in April next year. This will see mortgage rates eventually fall further.

Debt-servicing costs falling

We talked about the fall in the cost of home ownership for new purchases in our last ANZ Property Focus. This fall has been supporting the housing market directly. In addition to this, the RBNZ's easing of monetary policy is also supporting the economic recovery and spending by contributing to expectations that interest rates will remain low – and go even lower if our forecasts are right – and that incomes will be supported through a range of channels.

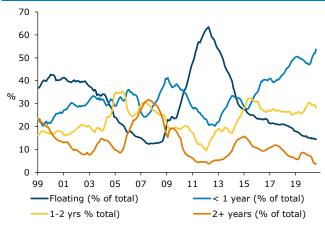
Monetary easing also directly alleviates cash flow pressures by lowering debt-servicing costs for firms, households and the Government, supporting spending and confidence, quite independent of developments in the housing market.

For households, the direct impact on debt-servicing costs depends in part on the composition of mortgage borrowing. About 14% of mortgage borrowing is on a floating mortgage rate (figure 4), so aside from new



transactions, only a small portion of borrowers will see the effects of a lower mortgage rate flow through to their cash flow quickly.

Figure 4. Share of mortgages by duration

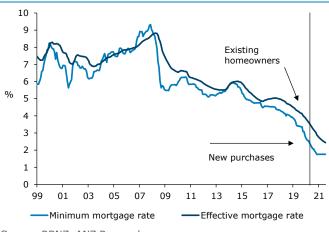


Source: RBNZ, ANZ Research

Over time, the share of mortgage borrowing on floating rates has decreased steadily, but the portion of mortgage debt that is fixed for one year has increased substantially, to 54% currently. As fixed portions have rolled off, the effective mortgage rate faced by existing borrowers has dropped steadily (figure 5) and is set to fall further.

Another trend that has occurred over time is a move from standard to special mortgage rates, with more borrowers taking up specials. As standard rates have become less relevant, the margins between standard and special rates have increased. Reflecting this trend, we have moved to forecasting fixed special rates rather than standard rates (see Mortgage Rate Forecasts).





Source: RBNZ, ANZ Research

Mortgage rates to fall further

Mortgage rates have fallen 60-110bps this year as the OCR has fallen and the RBNZ has embarked on QE (see our QE FAQs here and here for more details). But

we think that mortgage rates are poised to fall significantly further (figure 6), based on our expectation that the RBNZ will introduce a negative OCR in April next year (see our FAQ on this topic for more details).

Figure 6. Mortgage rate forecasts



Source: RBNZ, ANZ Research

An FLP would go hand in hand with a negative OCR and the RBNZ intends to implement one before year end. This would encourage new lending and help to ensure that retail interest rates can move even lower. We don't know exactly what impact these policies combined will have on mortgage rates, but the direction is clear. No, your bank won't be paying you to borrow, but rates could get a lot cheaper (see our Mortgage Borrowing Strategy for more on current rates and fixing strategy in light of the outlook).

Notwithstanding considerable uncertainty, looking forward we now expect shorter-end mortgage rates to fall below 2%, with the 1-year rate expected to trough at 1.75% in April next year (see our Mortgage Rate forecasts for more). If mortgage rates continue to decline as we expect, we could see further declines in the order of 60-90bps and total falls from pre-COVID levels of up to 200bps.

Although we don't expect the trough in mortgage rates to occur until next year, we are forecasting continued gradual declines between now and then. This assumes some compression in margins between lending and wholesale rates as the impact of QE and expectations of a negative OCR continue to percolate through.

At this stage we are only expecting one 50bp cut in the OCR in April, taking it to -0.25%. Given that the RBNZ intends to implement an FLP well before this, it is possible that the RBNZ might choose to adopt a more gradual approach to taking the OCR lower (eg pausing at 0%, or waiting until the May Monetary Policy Statement to cut). But with economic risks skewed to the downside, and their "least regrets" approach, we also can't rule out that the OCR might go



even lower than we currently expect, in time. This would pose further downside risk to mortgage rates.

Cushion not a trampoline; risks to downside

So far, the impact of lower mortgage rates on the housing market has passed through reasonably quickly and still-lower mortgage rates will provide further support, particularly once the OCR goes negative. But as we enter the challenging period ahead we see lower rates as a cushion, supporting the market, rather than a trampoline propelling it into the stratosphere.

All else equal, a further fall in mortgage rates as we expect might boost house prices 2-2.5%, but this is going to be competing against other dampening factors that expected to pass through to the housing market in time (see Housing Market Overview). These factors are yet to become fully apparent, but that doesn't mean the impacts have been avoided. So far, lower mortgage rates and other factors have provided a faster-acting boost.

We can't know for sure how much of a dampening force increasing income strains and weaker net migration will be. Forecasting the housing market is difficult at the best of times, and how a range of offsetting factors net out and impact behaviour will determine the outlook for the housing market from here, along with the underlying economic outlook, which itself is also uncertain. It's possible that the housing market can get through the period ahead unscathed, given the support expected from even lower rates, but at this stage we expect some wobbles will emerge, with dampening forces to weigh in time.

Risks to the economic outlook are tilted to the downside, and that's a key reason why the RBNZ has adopted a "least regrets" approach to policy, providing monetary stimulus in a front-loaded manner. Downside risks and the slow economic recovery ahead mean that more stimulus may be needed, even if a housing market downturn is avoided, but particularly if it isn't.

Relative to our expectations, more stimulus might be achieved by the RBNZ taking the OCR even lower than -0.25%, a loosening of the FLP, or by expanding quantitative easing to include new assets. But while monetary policy is working, it is not designed to cure all ills, and it does push some problems down the track rather than solve them, in terms of increasing debt. Fiscal policy needs to pivot towards supporting growth too. Whether – and how effectively – this can be achieved will be a key factor, among others, in determining whether the RBNZ ultimately needs to do more.



This is not personal advice. The opinions and research contained in this document are provided for information only, are intended to be general in nature and do not take into account your financial situation or goals.

Summary

Home loan rates are little changed over the past month, with the only perceptible change being the circa 0.15% decline in the average 6-month rate. The 1-year rate remains the "sweet spot" and is still the term that we believe offers the best value. Although we expect the OCR to go lower in April, which is just over six months from now, analysis shows that it is still likely to be cheaper to opt for the 1-year, rather than fix for six months with a view to re-fixing again in six months. That's simply a reflection of more competition in 1- and 2-year terms. With OCR hikes years away and the RBNZ flagging the introduction of a "funding for lending" programme expressly designed to lower retail interest rates, we see limited appeal in fixing for more than 1 year, unless one puts a high value on certainty.

Our view

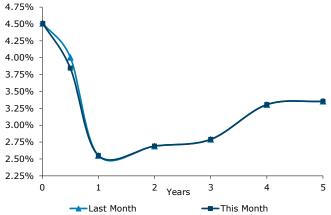
Average mortgage rates are again little changed over the past month. Although wholesale interest rates are edging lower, the pace of the decline has slowed, and that gives less scope for retail mortgage rates to fall. It has now been over six months since the RBNZ slashed the OCR to 0.25% and we saw the bulk of the reaction in wholesale markets early on, and the pace of further declines in wholesale interest rates is likely to remain tepid. Some interest rates – like those on 2- to 5-year New Zealand government bonds are already negative, and are likely to drop a little further over time. But we really need to see the RBNZ actually take the OCR below zero – rather than just flag the possibility of it – for wholesale rates to go a lot further just yet.

Regular readers will be aware that we expect the RBNZ to cut the OCR from +0.25% to -0.25% in April. Given that's only a little over six months away, an obvious question to ask is; is it worth fixing for six months with a view to re-fixing again after the OCR goes lower? That certainly has some intuitive appeal, and it might be worthwhile. However, our analysis shows that, given how competitive the 1-year rate is, it is unlikely to better to fix for shorter unless we see a dramatic decline in 6-month mortgage rate – and by that we mean bigger falls than have already been seen.

Consider, for example, the choice between, say the 6month rate of 3.85% and the 1-year rate of 2.55%, where average mortgage rates are now. If you were of a mind to select the 6-month option with a plan to refix in six months' time, as our breakeven table shows, you'd need to see the 6-month rate fall by a whopping 2.39 percentage points to 1.26%. That could happen, but it seems unlikely, and for that to occur, we would probably need to see wholesale rates fall much further, and for the "competition point" of the mortgage rate shift to the 6-month term. Over a one-year time horizon, it is likely to be cheaper to take the 1-year fixed rate of 2.55% than to take back-to-back 6-month terms.

It is also worth asking; is it worth considering 2- to 5-year fixed rates, which are also close to all-time lows? Given the economic environment, we see limited appeal from a cost perspective, even if there are advantages in terms of certainty. And that's because the RBNZ has flagged that the OCR will not go up for years to come, and because it is readying a "funding for lending" programme with the express intention of lowering retail interest rates. Basically, the RBNZ's message is that it "has your back" if you're a borrower, so there is less reason to fix to protect yourself from rising interest rates, because they are less likely to rise any time soon.







		Breakevens for 20%+ equity borrowers								
Term	Current	in 6mths	in 1yr	in 18mths	in 2 yrs					
Floating	4.51%									
6 months	3.85%	1.26%	2.76%	2.90%	2.94%					
1 year	2.55%	2.01%	2.83%	2.92%	2.99%					
2 years	2.69%	2.46%	2.91%	3.37%	3.92%					
3 years	2.79%	2.91%	3.56%	3.69%	3.80%					
4 years	3.31%	3.27%	3.56%							
5 years	3.36%	#Ave	erage of "	big four" ba	nks					

Table 2. Standard Mortgage Rates

		Breakevens for standard mortgage rates								
Term	Current	in 6mths	in 1yr	in 18mths	in 2 yrs					
Floating	4.51%									
6 months	4.00%	2.01%	3.39%	3.13%	3.41%					
1 year	3.00%	2.70%	3.26%	3.27%	3.46%					
2 years	3.13%	2.98%	3.36%	3.64%	4.08%					
3 years	3.24%	3.33%	3.81%	3.88%	4.01%					
4 years	3.61%	3.58%	3.82%							
5 years	3.66%	#Average of "big four" banks								

^ Average of carded rates from ANZ, ASB, BNZ and Westpac.

Source: interest.co.nz, ANZ Research

Weekly mortgage repayments table (based on 25-year term)

		Mortgage Rate (%)													
		2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75
	200	103	106	109	112	115	119	122	125	128	131	135	138	142	145
	250	155	160	164	169	173	178	183	187	192	197	202	207	212	218
	300	207	213	219	225	231	237	243	250	256	263	270	276	283	290
	350	259	266	273	281	289	296	304	312	320	329	337	345	354	363
	400	310	319	328	337	346	356	365	375	385	394	404	415	425	435
(000,	450	362	372	383	393	404	415	426	437	449	460	472	484	496	508
(\$,(500	414	426	437	450	462	474	487	500	513	526	539	553	566	580
Size	550	466	479	492	506	520	534	548	562	577	592	607	622	637	653
	600	517	532	547	562	577	593	609	625	641	657	674	691	708	725
Mortgage	650	569	585	601	618	635	652	669	687	705	723	741	760	779	798
ortio	700	621	638	656	674	693	711	730	750	769	789	809	829	850	870
Σ	750	673	692	711	730	750	771	791	812	833	854	876	898	920	943
	800	724	745	766	787	808	830	852	874	897	920	944	967	991	1,015
	850	776	798	820	843	866	889	913	937	961	986	1,011	1,036	1,062	1,088
	900	828	851	875	899	924	948	974	999	1,025	1,052	1,078	1,105	1,133	1,160
	950	879	904	930	955	981	1,008	1,035	1,062	1,089	1,117	1,146	1,174	1,204	1,233
	1000	931	958	984	1,011	1,039	1,067	1,095	1,124	1,154	1,183	1,213	1,244	1,274	1,306

Mortgage rate forecasts (fixed rates based on special rates)

		Actual			Forecasts					
Interest rates	Dec-19	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22
Floating Mortgage Rate	5.5	4.8	4.6	4.5	4.3	4.3	3.8	3.8	3.8	3.8
1-Yr Fixed Mortgage Rate	3.4	3.1	2.7	2.4	2.1	1.9	1.8	1.8	1.8	1.8
2-Yr Fixed Mortgage Rate	3.5	3.3	2.7	2.5	2.1	2.0	1.9	1.9	2.0	2.0
5-Yr Fixed Mortgage Rate	4.2	3.9	3.1	2.8	2.2	2.2	2.2	2.3	2.4	2.4

Source: RBNZ, ANZ Research

Economic forecasts

		Actual			Forecasts					
Economic indicators	Dec-19	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22
GDP (Annual % Chg)	1.8	-0.1	-12.4	-5.2	-4.6	-4.7	9.6	1.6	2.5	6.1
CPI Inflation (Annual % Chg)	1.9	2.5	1.5	1.5	1.1	0.9	1.4	0.9	0.9	0.8
Unemployment Rate (%)	4.1	4.2	4.0	6.5	8.0	8.8	9.8	9.3	8.5	7.4
House Prices (Quarter % Chg)	3.0	3.2	-0.4	0.0	-3.0	-3.0	0.0	2.0	2.0	1.0
House Prices (Annual % Chg)	5.3	8.1	7.7	5.9	-0.3	-6.3	-5.9	-4.0	0.9	5.1
Interest rates	Dec-19	Mar-20	Jun-20	Sep-20	Dec-2	0 Mar	-21 Ju	ın-21	Sep-21	Dec-21
Official Cash Rate	1.00	0.25	0.25	0.25	0.25	0.2	25 -	0.25	-0.25	-0.25
90-Day Bank Bill Rate	1.29	0.49	0.30	0.26	0.25	-0.	- 80	0.25	-0.25	-0.25
LSAP (\$bn)		33	60	100	120	12	0	120	120	120

Source: ANZ Research, Statistics NZ, RBNZ, REINZ

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