



Housing and Business Market Indicators Quarterly Monitoring Report

Meeting the requirements of the National Policy Statement on Urban
Development Capacity (PB6 and PB7)

Q2 June 2018

1. FUTURE PROOF MARKET INDICATORS SUMMARY

Residential indicators

The Future Proof sub-region has continued to experience a slowdown in the rate of house price growth over the June quarter of 2018. Rents have also seen further steady increase. The recent high levels of buyer activity from Auckland-based multiple property owners in Hamilton has returned to the low historic average. The proportion of first home buyer activity has increased across Hamilton, Waikato and the Waipa Districts. These trends suggest that first home buyers have continued to find it easier to access the market in the last quarter to June 2018.

While residential consent numbers remain at elevated levels and indicators suggest that conditions in the sub-regional housing market may be stabilising further supply responsiveness may be constrained by other market factors including labour, cost pressures and credit availability.

Business indicators

The available business indicators currently suggest that the supply of office and retail capacity in Hamilton is sufficient to meet demand. There has been a slight increase in office vacancy rates and a small decline in retail vacancies however further supply (via new development and refurbishment) is expected. There has been no further update of the industrial vacancy figures for Hamilton, which at December 2017 had declined to a historic low of 1.5%, the lowest ever recorded in Hamilton. Work on investigating industrial land supply constraints continues.



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2. INTRODUCTION

The National Policy Statement on Urban Development Capacity (NPS-UDC) came into effect on 1 December 2016. The overarching purpose of the NPS-UDC is to ensure that planning enables development by providing sufficient development capacity for housing and businesses over the next 10 to 30 years. The NPS-UDC identifies the Future Proof sub-region¹ as a high-growth urban area. As such, the Future Proof councils are required to meet all the requirements in the NPS-UDC. This includes monitoring, and reporting, on a quarterly basis of the housing and business market indicators (PB6) and indicators of price efficiency (PB7). Other demand and supply drivers outside of the scope of NPS-UDC monitoring that impact on urban development include: natural population growth; strong migration; interest rates; investor confidence and activity; tax incentives; and low measured construction productivity².

3. PURPOSE OF REPORT

The purpose of this quarterly monitoring report from the Future Proof partners is to fulfil the requirements of PB6 and PB7 of the NPS-UDC. These policies direct local authorities to monitor a range of indicators on a quarterly basis to ensure that local authorities are well informed with timely information about demand, urban development activity, how well the market is functioning and how market changes may affect the sufficiency of development capacity for housing and business land in the Future Proof sub-region. The NPS-UDC encourages local authorities to publish the results of their monitoring. This report includes the following PB6 market indicators:

- a. Prices and rents for housing, residential land and business land by location and type; and changes in these prices and rents over time,
- b. The number of resource consents and building consents granted for urban development relative to the growth in population; and
- c. Housing affordability indicators.

PB7 requires the use of indicators of price efficiency in the local land development market to understand how well the market is functioning and how planning rules may affect this, and when additional development capacity might be needed. This report presents the following PB7 price efficiency indicators which have been made available to date by MBIE³:

- a. Price-cost ratio, and
- b. Price differentials between zones.

4. OUTLINE OF REPORT

The indicators described in this second indicator report are presented in two broad categories; residential and business. Ten residential and four business indicators are presented. An overview narrative is provided at the start of each section with some further commentary provided for each indicator. Where available, indicators include data for each territorial authority (Hamilton City Council, Waikato District Council and Waipa District Council), and for the combined Future Proof sub-region ('Greater Hamilton').

Technical notes and data sources are provided at the end of the report. Ongoing refinements to the reporting framework and indicators will be made in successive quarterly reports.

¹ The combined Hamilton City Council, Waikato District Council and Waipa District Council geographic area.

² Auckland Chief Economist, June 2017

³ The Ministry of Business, Innovation and Employment are responsible for providing the key NPS-UDC indicators.

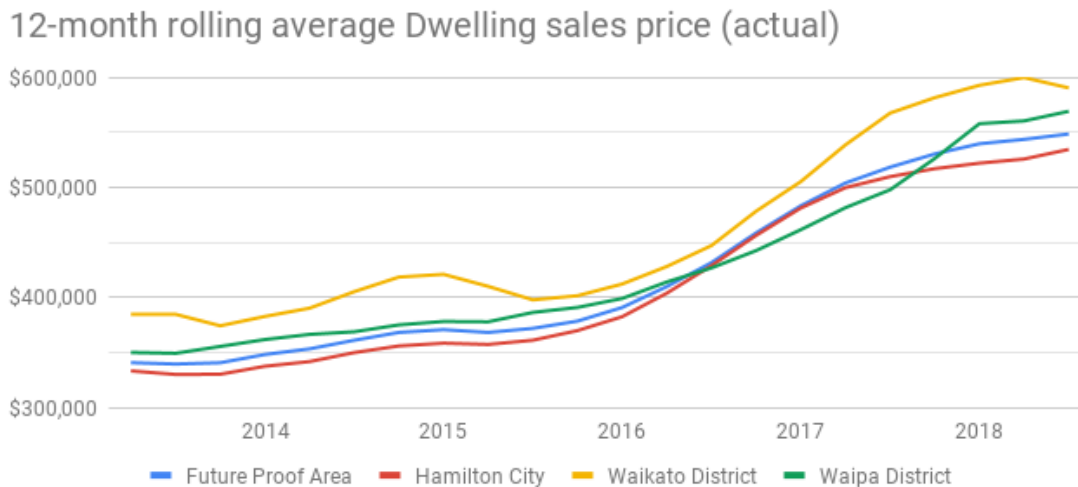
5. RESIDENTIAL INDICATORS

The Future Proof sub-region has continued to experience a moderate slowdown in the rate of house price growth in the June quarter of 2018. Rents have also continued to increase steadily. The activity from Auckland-based multiple property owners in Hamilton City has now fallen away to the historic average. The proportion of activity from first home buyers has increased in Hamilton City, Waikato District and the Waipa District. These trends suggest that first home buyers have continued to find it easier to access the market in the quarter to March 2018.

Residential consents numbers remain elevated, with further increases in the more intensive types of residential development in Hamilton in year to June 2018. While the indicators suggest that conditions in there housing market may be improving across the Future Proof sub region, further supply responsiveness may be constrained by a number of factors including labour, cost pressures and credit availability.

5.1 DWELLING SALE PRICE AND RENT TRENDS

Indicator 1: Dwelling sales prices (actual)



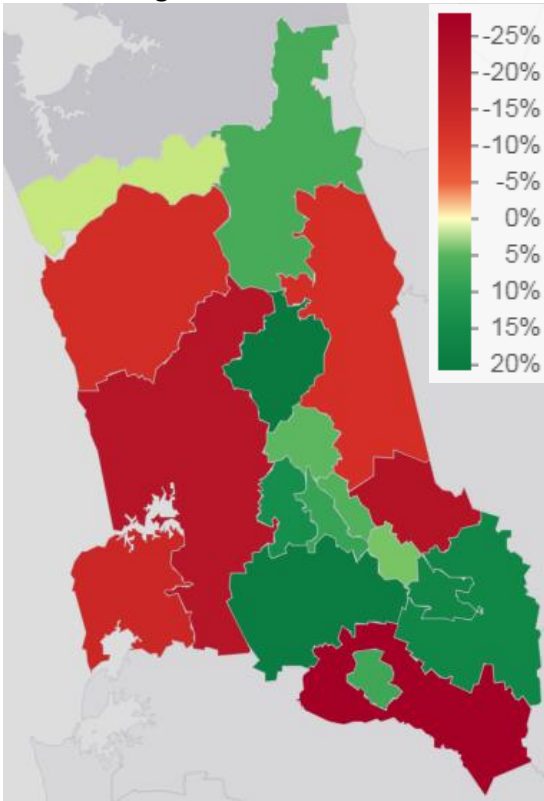
After the recent period of rapid price increases (between 2015 and 2017) house price growth across the Future Proof sub-region appears to have stabilised further with a more moderate overall rate of price growth evident over the last four quarters to June 2018. The Waikato District has seen comparatively stronger house price growth over the last year however the district has experienced a small decline in sales prices for the June quarter returning the rolling dwelling sales average to the price level experienced six months prior in December 2017.

Throughout the period of rapid price increases (between 2015 and 2017) the average dwelling sales price in the Waipa District fell below the sub regional and Hamilton average. The average dwelling sale price in the Waipa District has now returned to a position above the sub regional average and has seen a further moderate increase in prices in the June '18 quarter. Hamilton City has also overall experienced moderate price increased in the quarter to June 2018.

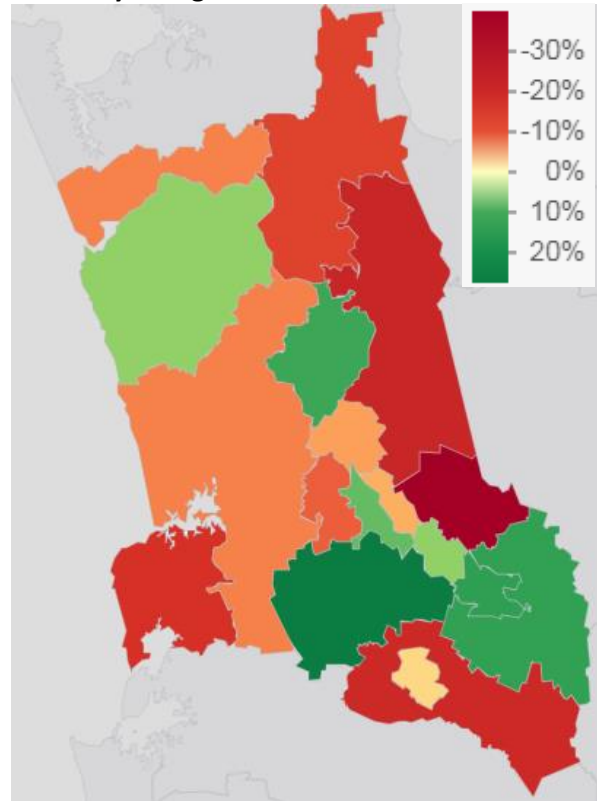
	Dec '17 (Q4)	March '18 (Q1)	June '18 (Q2)
Future Proof Area	\$539,875	\$543,875	\$548,750
Hamilton City	\$522,250	\$526,000	\$534,750
Waikato District	\$593,000	\$600,000	\$590,625
Waipa District	\$558,125	\$560,625	\$569,375

Indicator 2: Change in dwelling sale price

Annual change: June 2017 to June 2018



Quarterly change: March 2018 to June 2018



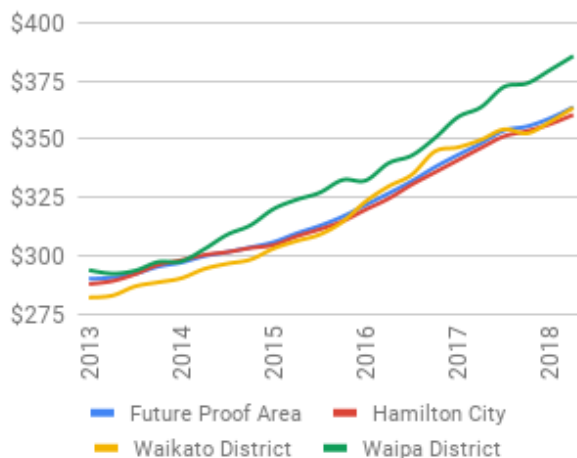
The two maps above display the change in dwellings sale price by ward for the year between June 2007 and June 2008 (on the left) and the change between the March quarter and June quarter 2018 (on the right).

Looking at the percentage change in dwellings sales price across the sub region between the second quarter of 2017 and the second quarter of 2018 dwelling reveals that sales prices increases where concentrated in the urban wards whereas price declines occurred in the rural wards. House sales price change between the first and second quarter of 2018 reveals a pattern of price declines across most of the Waikato district except for a small price increase in the Onewhero Ward of 1.8% and a large increase of 11% in the Huntly Ward. In the Waipa district house prices increased overall by 4.7% with declined only in two wards, a marginal decrease in the Te Awamutu ward of 0.1% and large decline in the surrounding Kakepuku ward of close to 20%. In Hamilton a decline of 0.1% in the East ward was more than offset by the price increase of 5.3% in the West ward.

Indicator 3: Dwelling rents (actual)

The trend of steady quarterly increases in geometric mean weekly rents continued across the sub region in the June quarter 2018. Higher rates of mean weekly rents have continued in the Waipa District, whereas weekly rents in the Waikato District and Hamilton City remain comparable. The mean weekly rent in the Future Proof sub-region in the March quarter 2018 was \$364, Hamilton City was \$361, Waikato District was \$364 and the Waipa District was \$386.

12-month rolling average Dwelling Rents (actual)



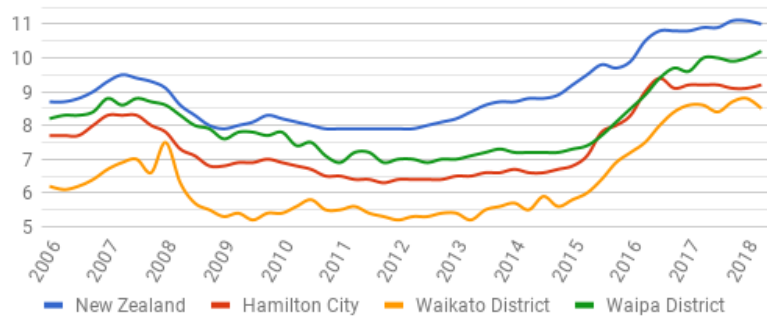
5.2 HOUSING AFFORDABILITY TRENDS

The most recent Infometrics June 2018 quarter affordability indicators are provided below as a quarterly indication of the affordability of renting and home ownership. There has been no further update to the experimental MBIE housing affordability measure (HAM) included in the last quarterly report, which is only available to March 2017.

Indicator 4: Housing Affordability

The Infometrics housing affordability indicator (a ratio of the average current house value to estimated average annual earnings) indicates a period of increasing unaffordability from early 2015 to late 2016. Since then the levels of housing affordability have remained largely unchanged in the year to June 2018 in Hamilton. In the June quarter the Waikato District has seen a slight improvement in affordability where as Waipa District has seen some further decrease in affordability.

Housing Affordability: Quarterly to June 2018 (Infometrics)

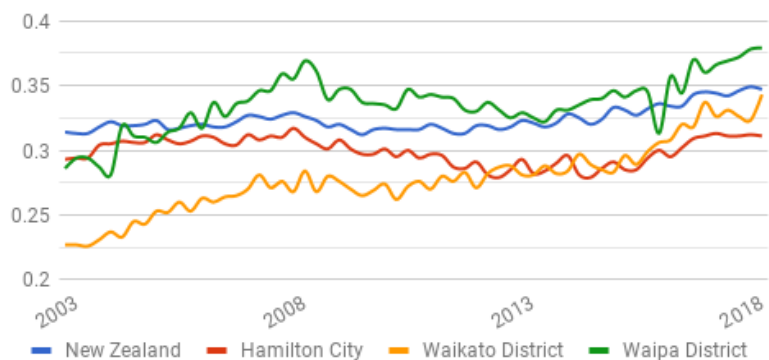


Indicator 5: Rental Affordability

The Infometrics rental affordability measure presents a ratio of average weekly rents over average weekly incomes. A higher ratio, therefore, suggests that average rents cost a greater multiple of typical incomes, which indicates lower rental affordability.

The Infometrics measure suggests that rental affordability has generally declined across the sub-region partners since March 2013. While there has been a slight improvement in rental affordability in Hamilton over the year from June 2018, Waikato District and Waipa District have continued to see further declines in rental affordability.

Rental Affordability: Quarterly to June 2018 (Infometrics)

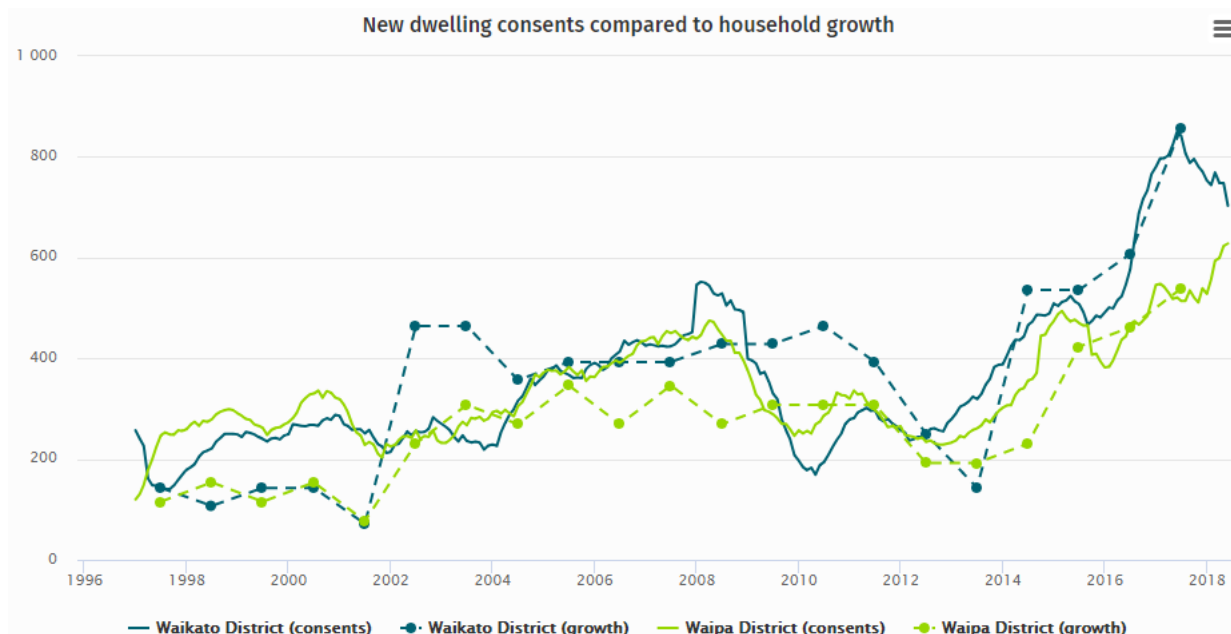
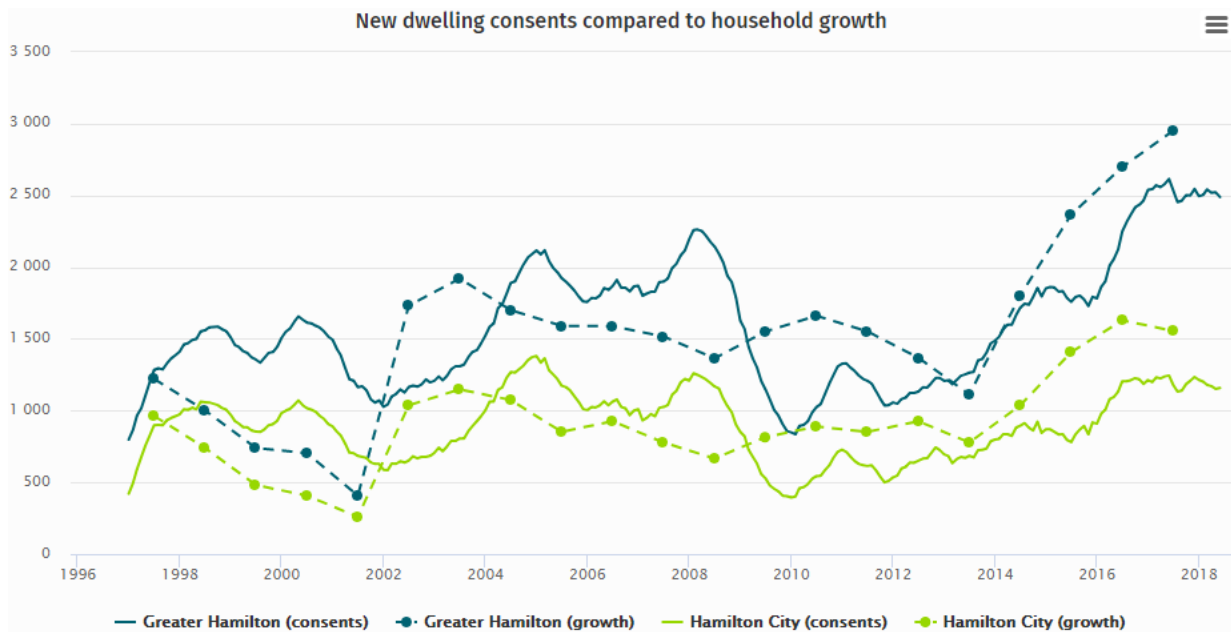


5.3 INDICATORS OF SUPPLY AND DEMAND

Indicator 6: New dwelling consents compared to household growth

The graphs below provide a rough indication of movements in both demand and supply for new residential dwellings, and the potential gap between the two. Now updated to include the number of dwelling consents (supply) to May 2018, the graphs have yet to be updated with population estimates (demand). Other market factors, including constraints in the residential construction sector, may also contribute to a local shortfall in the supply of new houses.

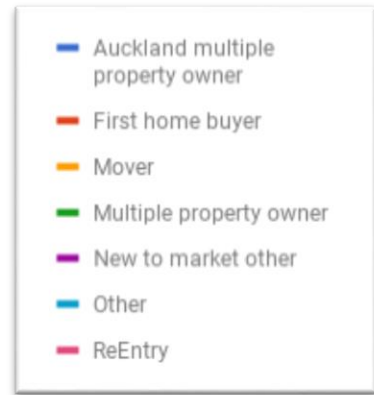
The first graph shows the sub-region has, since 2013, continued to experience both strong population growth (demand) and increases in the number of new residential consents (supply). Overall a shortfall in supply is suggested for the sub-region, most notably in Hamilton City where consenting activity has largely plateaued since 2017 in contrast to further increases in population. Supply and demand appeared to be balanced in Waikato and Waipa in 2017, however consenting activity in Waikato has subsequently declined suggesting the potential for an emerging shortfall. Waipa, in contrast, has experienced strong consenting activity over year to May 2018.



Indicator 7: Buyer classification- Hamilton

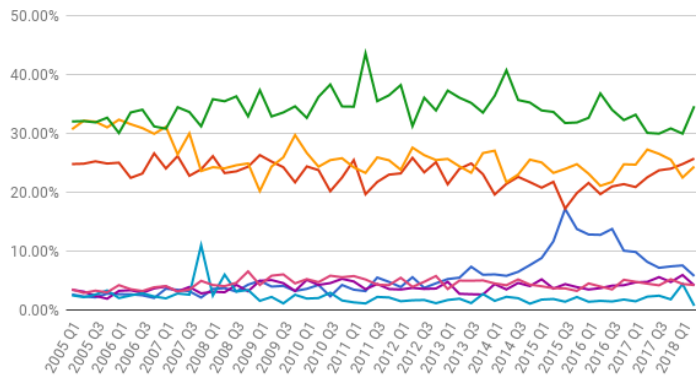
Future Proof TAs experience markedly different patterns of house buyer activity, as indicated by Corelogic buyer classification.

The surge of Auckland multiple property owner activity in Hamilton City that has taken place over the over the last five years appears to have now returned to an historic average level. In both the Waikato District and Waipa District activity by Auckland multiple property owners, while historically less prevalent than Hamilton, also appears to have declined.



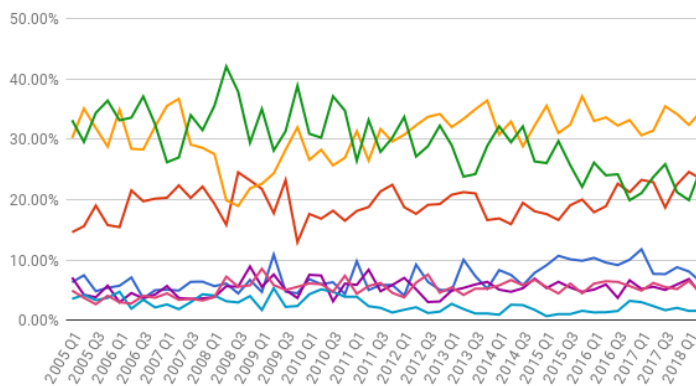
While Hamilton City buyers have long been dominated by local multiple property owners (34.6% of buyer activity in June '18), Waikato District and Waipa District have since 2012 had larger numbers of Movers suggesting that the two districts have attracted more people permanently rather than property investors. The recent growth in Pokeno in the Waikato District and Cambridge in the Waipa District could account for this increased activity.

CoreLogic Buyer Classification - Hamilton City



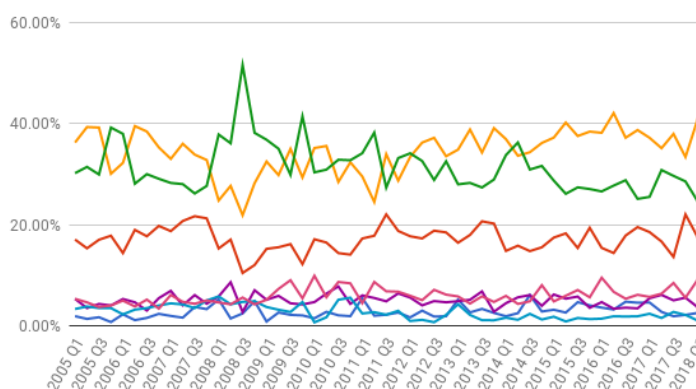
First home buyer activity in Hamilton has continued to increase from under 18% in the September 2015 quarter to almost 26% in the June quarter 2018. First home buyer activity also remains elevated in both the Waikato district (23.5%) and the Waipa (20%) in the year to June 2018. Corelogic has commented that this is likely due to first home buyer finding less completion in the market due to tougher lending criteria affecting investors' desire and ability to buy.

CoreLogic Buyer Classification - Waikato District



In the June 2018 quarter, the share of buyer activity by local multiple property owners in the Waikato district remains elevated in at 23.5% and slightly above the historic average in the Waipa at 20%

CoreLogic Buyer Classification - Waipa District

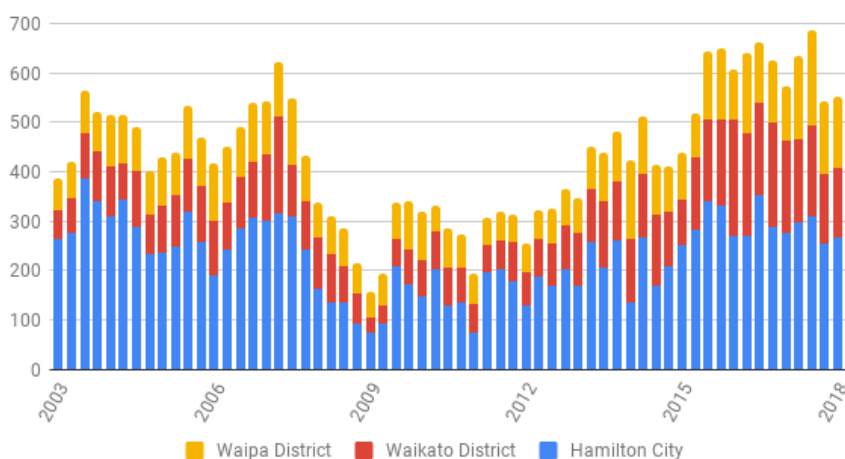


Indicator 8: Residential Building consents by territorial authority

The number of new dwellings consents issued in the sub region in the last quarter (June 2018) are up when compared with the previous two quarters. While the total number of consent numbers for the sub region remain at elevated levels, this is largely due to the high level of consents issued by Hamilton City in the last quarter.

Hamilton residential consents numbers remain elevated, with high numbers for more intensive types of residential development (as opposed to detached, or standalone houses) see further comment on this category below. Waipa District, when compared with Waikato District, has also continued to see greater numbers of the intensive dwelling category in the June 2018 quarter.

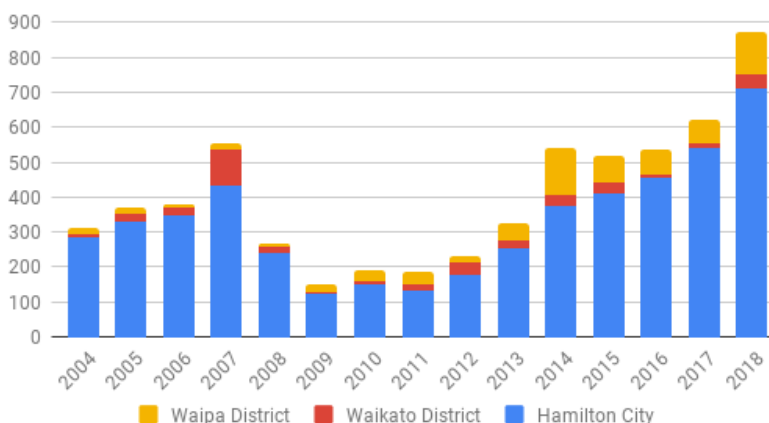
Building Consents by TA (Quarterly to June 2018)



The Statistics NZ building consent category of ‘Apartments, townhouses, units etc.’ (see graph below) covers a range of smaller, usually more compact types of housing development. Growth in this category indicates both a shift in the types of dwellings that are being built and the intensification of urban areas. Also captured in this category are the units in retirement villages.

As can be expected Hamilton City has the majority share of dwelling consents in the apartments, townhouses, units etc.’ category. The impact of the GFC (after 2007) clearly evident, followed by increasing numbers of consents from 2010 to 2018. Lower levels of dwelling consents are evident in Waikato District throughout the monitoring period, expect for a peak in 2006. Waipa District has experienced a growing trend in the ‘apartments, townhouses, units etc dwelling category’. This is most evident in central Cambridge where several townhouse and apartment dwellings have been constructed in recent years.

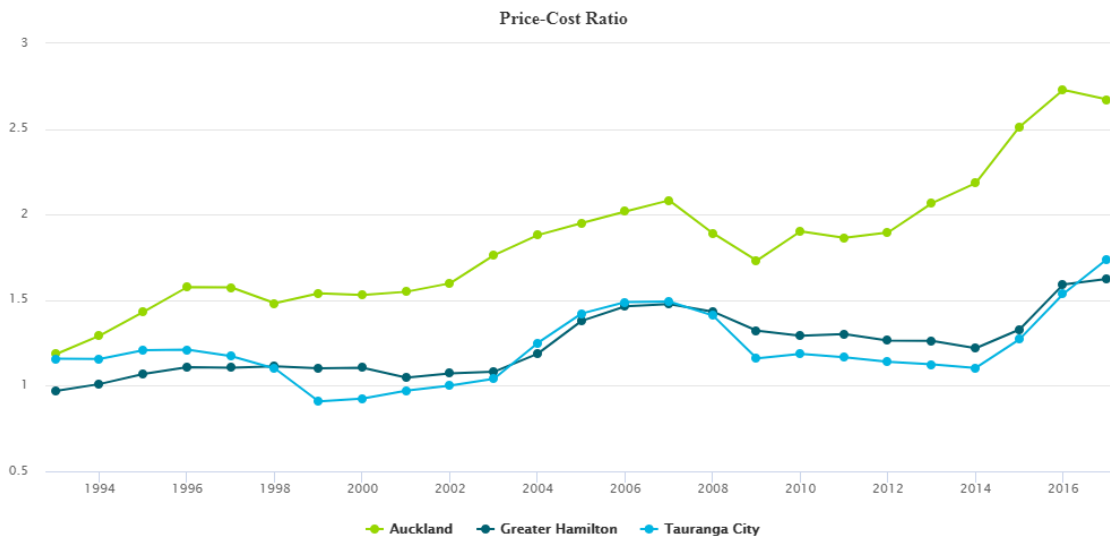
Building consents: Apartments, townhouses, units ect (Year to June)



5.4 PRICE EFFICIENCY INDICATORS

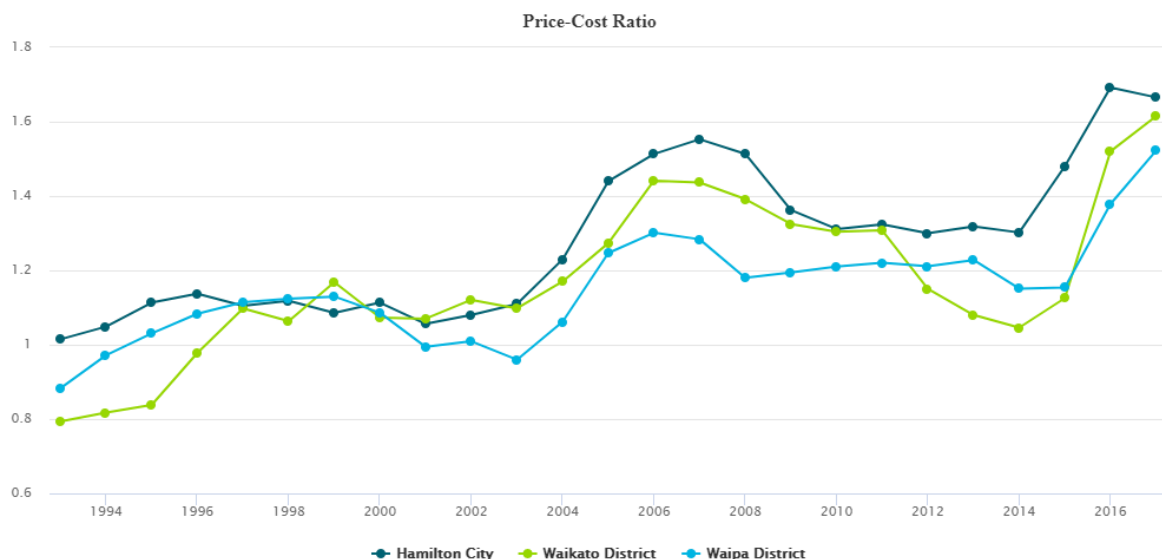
Indicator 9: Housing Price to Cost Ratio [MEASURE REISSUED]

The price-cost ratio indicator compares house prices to construction and other costs, in order to estimate how much of the remaining house price is driven by the cost of land. It provides a general indication of the degree to which the supply of land and development opportunities are constrained relative to demand. A modest ratio is considered to be between 1 and 1.5, where land comprises up to one third of the price of a home. A high ratio *may* indicate insufficient land supply, impact on prices due to a surge in houses prices or illustrate the extent of a lag in the supply of houses.



As seen in the graph above, in the 1990s the price-cost ratio for the sub-region remained largely constant at a little over 1. The ratio then increased in the early 2000s, around the time of the property boom in 2003 rising to 1.55 in 2007 property boom prior to the GFC. The ratio then gradually declined to 1.3 in 2012 suggesting that land supply over this period was responsive to the lower level of demand, post GFC. Between 2014 and 2017 the ratio rose sharply to reach 1.69 suggesting that the supply of land, and development opportunities, may not have kept up with demand. The price-cost ratios for Tauranga/Smart Growth and the Future Proof sub-region appear to follow a similar pattern over the period. Auckland's price-cost ratio, on the other hand, has been over 1.5 for the last 20 years and has trended upward to around 2.7 over the last two years.

In the graph below Hamilton City, Waikato District and Waipa District have largely followed a similar trend since 1993, with Hamilton generally having a higher ratio than the two districts. In 2017, the ratio for Hamilton has declined marginally since 2016, however the ratio for Waikato and Waipa has continued to increase.

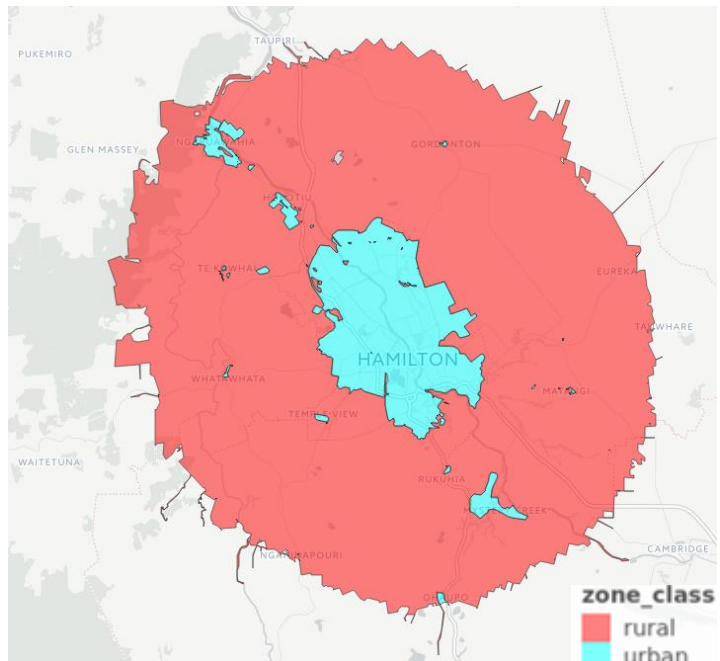


Indicator 10: Rural Urban differentials [NO UPDATE]

Rural-urban differentials compare the values of residential land 2km either side of the boundary between urban and non-urban zones, after removing the impact of differences in amenities, geographic characteristics and infrastructure. If the value of land changes sharply where the zone changes, this may indicate that various land-use regulations are constraining urban development capacity. The differential estimates how much urban residential land values are being elevated because of these regulatory constraints. It is a key indicator of whether the District Plan provides sufficient development capacity.

Area of study: The calculation of this differential is focused on an area greater than the Hamilton City Council boundary (see Map to the right), encompassing Ngaruawahia to the north and the Airport to the south. The areas classified as urban are marked in light blue and the rural areas are marked as red.

Data source: The rural-urban differential for this area was calculated using the November 2015 valuation data for Hamilton City, the 2014 data for Waikato District and the November 2016 data for Waipa District. All data was updated to 2017 values using the Sales Price Appraisal Ratio. The underlying data reflects the land use permitted at the time of the valuation, consequently any subsequent enabling District Plan changes, which may permit new land use activity to take place, are not reflected in this analysis.



Results: Figure 1 shows that land values drop sharply at the rural urban boundary. After removing major non-regulatory factors affecting land values, urban residential land close to the rural-urban boundary is worth just over 2.4 times the value of rural land next door, or \$227 more per square meter. The analysis suggests that regulations may be constraining development capacity and adding up to \$113,500⁴ to the value of a typical section in the Hamilton area.

Commentary: Monitoring both the ratio level and change in the ratio over time is important. The current results suggest that development capacity is constrained. However, as noted above, the differential measures the impact of Hamilton City District Plan operative in 2014 which was less permissive than the 2016/17 District Plan. Areas in the city with deferred zoning (e.g. Te Rapa North, Ruakura, Peackocks and Rotokauri) are also not captured in this analysis. The extent to which this extra capacity will be reflected in urban land values when the next revaluation is undertaken in November 2018 is unknown. Other factors, not controlled for, may also be reflected in the results of this analysis.

Map: Location of rural and urban zones

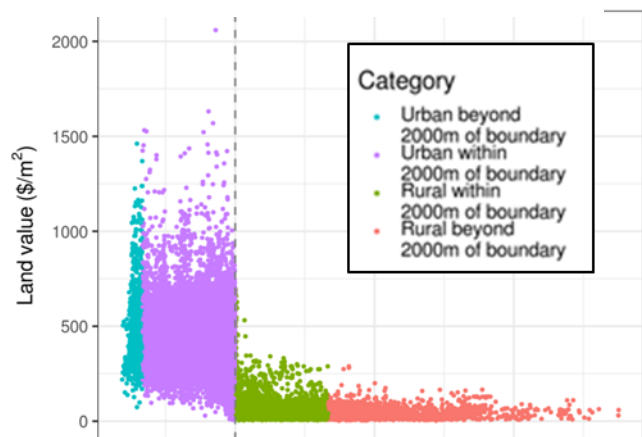


Figure 1: Distribution of land values immediately inside and outside of the rural-urban boundary

⁴ Note that this estimate may be overstated by as much as \$22,000 as the cost of local infrastructure and the net cost of growth infrastructure is not fully captured by development contributions. See Net Cost of Growth Report. Other amenity effect may also not be adequately captured in this analysis.

6. BUSINESS INDICATORS

The latest vacancy reports for the Hamilton City central business district (CBD) note a slight increase in office vacancy rates and small decline in retail vacancies. The expectation is that further supply, via new development and refurbishment, will be forthcoming and capacity supply issues are not expected. There has been no further update of the industrial vacancy figures for Hamilton, which at December 2017 had declined to a historic low of 1.5% (the lowest ever recorded in Hamilton). Work on investigating potential industrial land supply constraints continues.

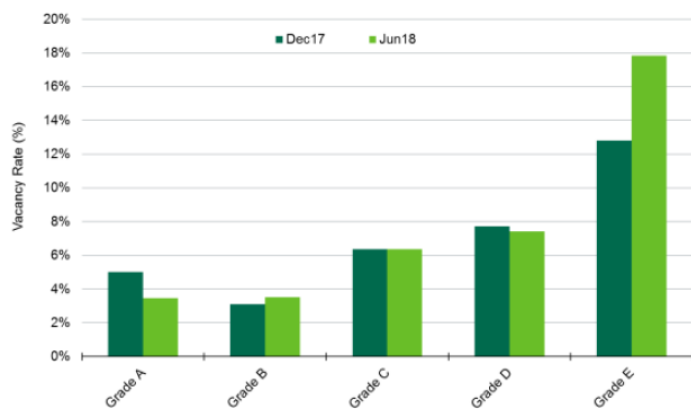
6.1 INDICATORS OF SUPPLY AND DEMAND

Indicator 11: Hamilton City CBD office vacancy rates

The overall vacancy rate in Hamilton's CBD increased to 7.4% in the six months to June 2018. This marks a further increase in the overall vacancy rate since December 2017 up from an historic low of 6.3% in June 2017. Vacancy rate decreases in the Grade A and Grade D quality segments, where offset by a large increase in the vacancy of Grade E.

The Hamilton CBD office market is characterised by average to lower quality grade space (C, D and E) which forms the bulk of stock. However, composition is slowly changing as local developers are actively converting older secondary premises and refurbishing them to a higher standard (A and B) in response to continued demand for cost effective refurbished office space (B Grade category). Overall vacancy levels still remain high and no any capacity supply issues are suggested.

CBD Office Vacancy by Grade



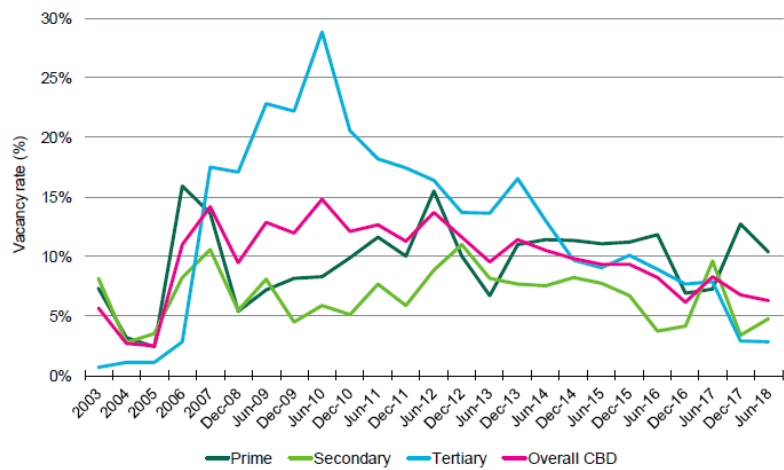
(Source: NAI Harcourts CBRE, September 2018)

Indicator 12: Hamilton City central business district retail vacancy rates

The Hamilton CBD retail vacancy rate decreased to 6.3% in June 2018, down from 6.8% in December 2017, almost on par with the low of 6.2% in December 2016. The overall decrease in vacancy was led by strong take up of primary retail space.

A large volume of stock has been removed for refurbishment and redevelopment largely in response to demand for quality and often smaller tenancy spaces. Vacancy levels remain high and do not suggest any capacity supply issues.

Historical CBD Vacancy by Grade



(Source: NAI Harcourts CBRE, September 2018)

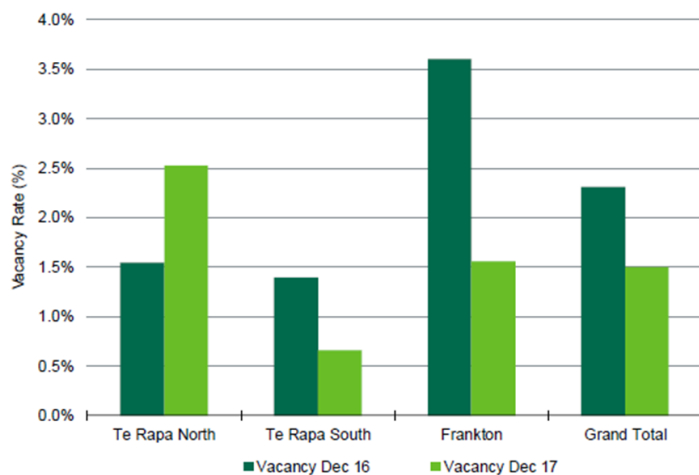
Indicator 13: Hamilton City Industrial vacancy rates [NO UPDATE]

The most recent NIA Harcourt’s industrial occupier survey (to December 2017) indicates that the overall industrial vacancy in Hamilton has declined to a low of 1.5%, the lowest ever recorded in Hamilton. This level is comparable to the 1.3% industrial vacancy rate in Auckland, described as “extremely tight”.

While overall stock increased by 3.2% over the year to December 2017, demand was particularly strong for new, high quality spaces particularly in Hamilton’s newer industrial precinct of Te Rapa North.

It is anticipated that the low vacancy environment in Auckland and the continued improvement of transport connections between Auckland and the Waikato will continue to boost industrial growth in Hamilton as well as Northgate at Horotiu and Titanium Park at Hamilton Airport. Nevertheless, the continued declines in industrial vacancy levels suggest that supply side constraints be investigated.

Industrial Vacancy by Precinct



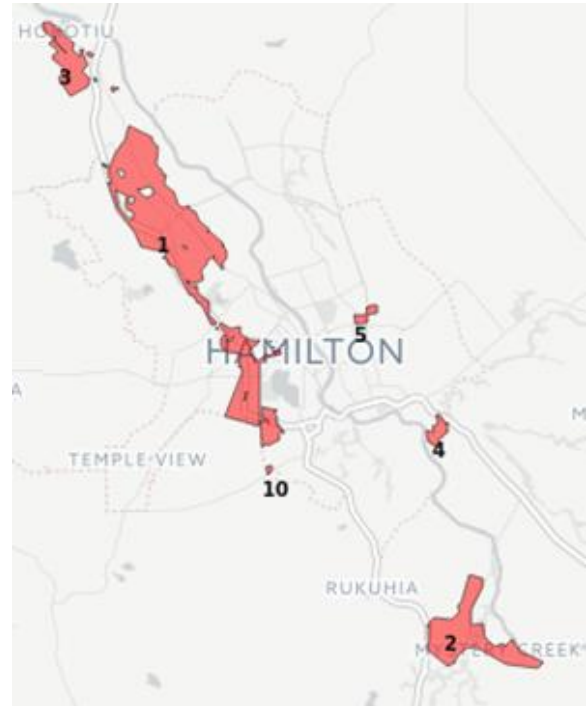
(Source: NAI Harcourts CBRE, December 2017)

6.2 PRICE EFFICIENCY INDICATORS [NO UPDATE]

Indicator 14: Land price differentials across industrial zone boundaries

If the value of land jumps significantly where zoning changes between an industrial zone and other activity zones, this indicates that zoning and other regulations may not match current relative demands for different land uses in that location. Consistent differentials may indicate insufficient development capacity for the more expensive land use city-wide.

Area of Study: This report focuses the five largest industrial zones identified on the map to the right in red); the three industrial areas within Hamilton City, the area around the Airport to the south and the Horotiu Industrial area to the north.

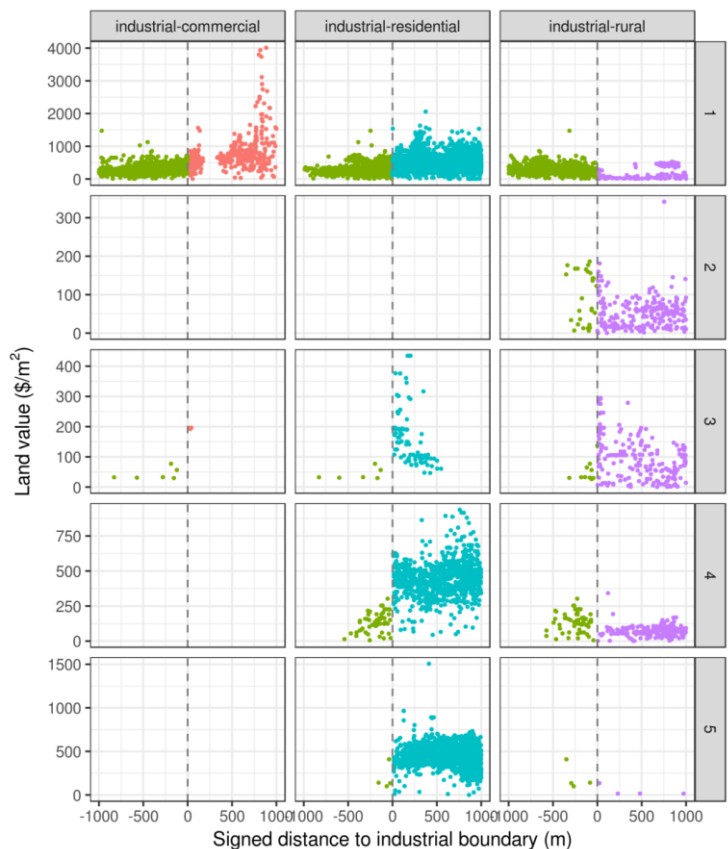


Data source: As with the rural-urban differentials, the industrial zone differential has been calculated using the 2015 valuation data for Hamilton City. The underlying data reflects the land use permitted at the time of the valuation. Consequently any subsequent changes are not reflected in the results of this analysis.

Results by Zone:

- 1) **Frankton-Te Rapa:** Not including TeRapa North. Industrial land worth less than adjoining commercial and residential and worth a little more than adjoining rural. Some suggestion of need for further industrial land, however clear boundary effect not evident.
- 2) **Hamilton Airport:** Titanium Business Park and Mystery Creek Event Centre. Industrial land is worth only slightly more than the surrounding rural land suggesting no shortfall of industrial land capacity.
- 3) **Horotiu:** North Gate Business Park. Industrial land is worth less than small pockets of adjoining commercial land, rural and residential land, suggesting that there is no shortfall of industrial land.
- 4) **Riverlea:** Rural worth slightly less than industrial. Residential is worth more than industrial suggesting greater demand for residential in location.
- 5) **Ruakura:** Small block either side of Wairere Drive. Residential is worth more than industrial. Differentials between Industrial and rural significant. Inconclusive as very few data points.

Hamilton: Parcel land values near selected industrial borders



Commentary: Higher land values in the Hamilton City industrial land areas suggest a level of insufficient capacity in 2015. Further Industrial land has been made available via the 2016/17 District Plan (including the Ruakura Plan Change), however some capacity is currently held in deferred 'Future Urban Status' due to infrastructure constraints.

7. NOTES AND DATA SOURCES

The information was primarily sourced from the Ministry of Business, Innovation and Employment (MBIE) dashboard for Hamilton City, Waipa District, Waikato District and the Greater Hamilton Urban Area. Information was also sourced from Statistics New Zealand NZ.Stat website and publicly available reports from CoreLogic/QV , CBRE NAI Harcourts and Colliers International.

Indicator 1: Dwelling sales prices (actual) (Source: MBIE Dashboard, September 2018)

This indicator shows the median prices of residential dwellings sold in each quarter. This median price series is not adjusted for the size and quality of dwellings. Prices are presented in nominal terms; they have not been adjusted for general price inflation.

Indicator 2: Dwelling Sales price (SPAR Index) (Source for both images: MBIE Dashboard, September 2018)

The Sales Price Appraisal Ratio (SPAR) provides an index of percentage change in dwelling sales prices relative to a common base year. It is constructed by comparing the sales price of each dwelling sold in a period with its valuation estimate. It adjusts for the composition and quality of the dwellings sold over each period. Data is sourced from CoreLogic.

Indicator 3: Dwelling rents (actual) (Source for both images: MBIE Dashboard, September 2018)

Notes: This indicator reflects nominal mean rents as reported in new rental bonds lodged with MBIE. The mean used is a geometric mean. The reason for using this mean is that rents cluster around round numbers, and tend to plateau for months at a time (spiking up by say \$10 or \$10 at a time). This makes analysis of time series difficult and using the geometric mean is a way of removing this clustering effect.

Indicator 4: Housing Affordability

Infometrics housing affordability index (Source: Infometric Quarterly Economic Monitor – June 2018)

Infometrics housing affordability index which is the ratio of the average current house value to average annual earnings. The levels quoted in the report are average current values over the past 12 months. An average current value is the average (mean) value of all developed residential properties in the area based on the latest house value index from QVNZ. Housing affordability in the four most recent quarters is based on estimated average annual earnings, while earnings data from earlier years is based on actual figures from Linked Employer Employee Data published by Statistics New Zealand.

Indicator 5: Rental Affordability

Infometrics rental affordability Source: Infometric Quarterly Economic Monitor – June 2018

Indicator 6: New dwelling consents compared to household growth (Source: MBIE Dashboard, May 2018)

Notes: This indicator approximates the demand for, and supply of, new dwellings. It measures changes in demand and how responsive supply is. The number of new dwelling building consents is lagged by six months (presented as a 12 month rolling average), to account for the time taken from consenting to completion. It is not adjusted for non-completions, or for demolitions. It is used as a proxy for supply. The most recent resident population, divided by the local average housing size, is used as a proxy for demand. Both sets of data are sourced from Statistics New Zealand.

Indicator 7: Core Logic Buyer classification (Source: Corelogic Buyer Classification, Hamilton December, June '18)

First home buyer (FHB)	Purchasing a single house with mortgage finance and buyer names have not previously appeared on a residential property title. Genuine FHBs purchasing with cash will appear as new to market cash buyers.
Multi-property owner (MPO, 'investor')	Adding to an existing portfolio of at least one property, except those classified as new to the market (see below). Includes purchases where the intent is to owner occupy.
Auckland Multi-property owner (MPO, 'investor')	As per the MPO definition above, with at least half of their portfolio based in Auckland.

Mover	Buying a single house having recently sold (or subsequently selling within a short timeframe) existing property. Movers will be labelled 'investors' for short periods if there is a lag between settlement and the sale of existing property.
New to market (NTM)	Purchasing a house with cash (or purchasing multiple properties on the same day) having not previously appeared on a residential property title nationwide, or purchasing a house in a region where buyer names have not previously appeared on a residential property title.
Re-entry	Buying a single house following an extended period of absence from the housing market (buyer names have previously appeared on a residential property title).
Other	Classification is unknown. Less common in the classification of buyers relative to sellers.

Indicator 8: Residential Building consents by territorial authority (Source: Statistics NZ Infoshare, June 2018)

Indicator 9: Housing Price to Cost Ratio (Source: MBIE Dashboard, September 2018)

Indicator 10: Rural Urban land price differential (Source: MBIE Dashboard, September 2018)

Indicator 11: CBD district office vacancy rates (Source: CBRE NAI Harcourts , September 2018)

Indicator 12: CBD retail vacancy rates (Source: CBRE NAI Harcourts, September 2018)

Indicator 13: Industrial vacancy rates (Source: CBRE NAI Harcourts, March 2017)

Indicator 14: Land price differentials across industrial zone boundaries (Source: MBIE Dashboard, September 2018)