

NEW ZEALAND

The RLB Crane Index® for Q4 2017, has dipped slightly in its 8th edition. Despite a strong growth in building work put in place in New Zealand over the past twelve months of 12.5% (\$2b). The RLB Crane Index® (index) has fallen 7% since our last publication, the first fall since our 3rd edition in Q2 2015. The recent removal of cranes assisting key projects in Christchurch have contributed largely to the drop in cranes around the country.

The national index now sits at 162, down from 174 at our last publication in Q2 2017. The index has been recalibrated using the Q4 2014 results as the base for the index's time series.

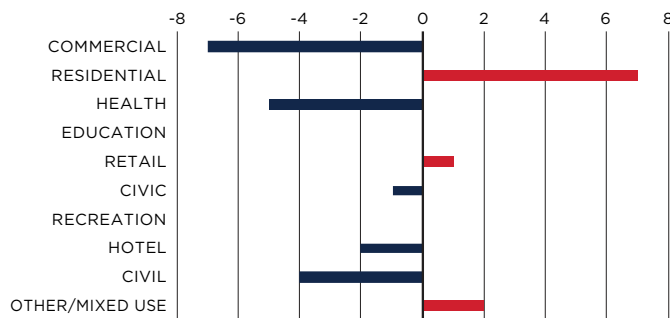
Total crane numbers total 123 cranes across the country, down from 132.

Wellington, Auckland and Queenstown all recorded crane increases for this index, with falls in Christchurch, Dunedin and Hamilton. Tauranga recorded a net crane movement of zero.

The residential sector has seen significant growth over the last four years with an almost 100% increase in the value of work put in place since FY 2013. Due to the importance of this sector, we have introduced a residential time series based on cranes installed only on residential projects. This residential index has the same base of Q4 2014 = 100 as the total index and has retrospectively indexed the residential cranes sighted in each of the previous published indexes. Currently the residential crane index stands at 431 up from 377 at Q2 2017. This 14% increase in the residential crane index appears consistent with the 14.2% annual increase nationally for residential work put in place for FY 2017.

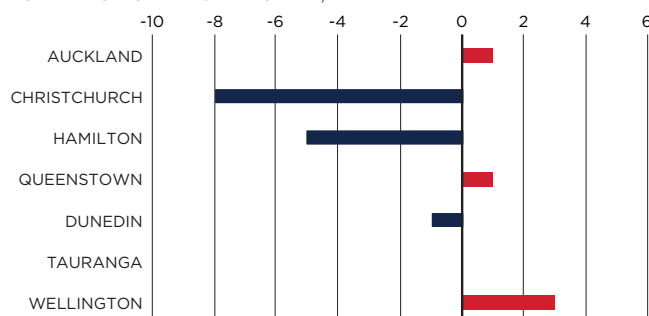
NEW ZEALAND NET CRANE MOVEMENT BY SECTOR

NUMBER OF CRANES REMOVED / ADDED



NEW ZEALAND NET CRANE MOVEMENT BY CITY

NUMBER OF CRANES REMOVED / ADDED



Q4 2017 RLB CRANE INDEX® SUMMARY

CITIES	KEY SECTORS
AUCKLAND	COMMERCIAL
CHRISTCHURCH	RESIDENTIAL
DUNEDIN	HEALTH
HAMILTON	EDUCATION
QUEENSTOWN	RETAIL
TAURANGA	
WELLINGTON	
	CIVIC
	HOTEL
	CIVIL
	OTHER/MIXED

LEGEND
 ↑ INCREASE IN NUMBER OF CRANES
 ↓ DECREASE IN NUMBER OF CRANES
 ↔ CRANE NUMBERS STEADY

CRANE ACTIVITY - NEW ZEALAND

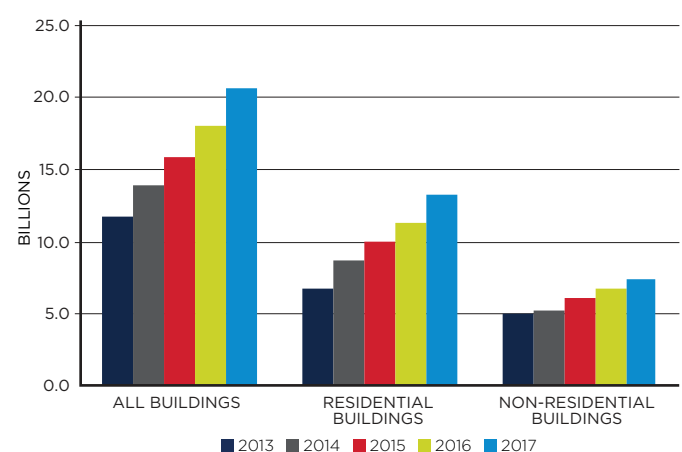
	OPENING COUNT Q2 2017	%	MOVEMENT +	-	NET	CLOSING COUNT Q4 2017	%
AUCKLAND	72	54.5%	25	-24	1	73	59.3%
CHRISTCHURCH	25	18.9%	10	-18	-8	17	13.8%
DUNEDIN	3	2.3%	2	-3	-1	2	1.6%
HAMILTON	8	6.1%	0	-5	-5	3	2.4%
QUEENSTOWN	10	7.6%	8	-7	1	11	8.9%
TAURANGA	4	3.0%	4	-4	0	4	3.3%
WELLINGTON	10	7.6%	5	-2	3	13	10.6%
TOTAL	132	100.0%	54	-63	-9	123	100.0%

CRANE ACTIVITY - NEW ZEALAND BY SECTOR

	OPENING COUNT Q2 2017	%	MOVEMENT +	-	NET	CLOSING COUNT Q4 2017	%
COMMERCIAL	34	25.8%	14	-21	-7	27	22.0%
RESIDENTIAL	49	37.1%	23	-16	7	56	45.5%
HEALTH	8	6.1%	0	-5	-5	3	2.4%
EDUCATION	8	6.1%	5	-5	0	8	6.5%
RETAIL	3	2.3%	4	-3	1	4	3.3%
CIVIC	8	6.1%	2	-3	-1	7	5.7%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	6	4.5%	1	-3	-2	4	3.3%
CIVIL	13	9.8%	2	-6	-4	9	7.3%
OTHER/MIXED	3	2.3%	3	-1	2	5	4.1%
TOTAL	132	100.0%	54	-63	-9	123	100.0%

NEW ZEALAND - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



NEW ZEALAND

The non-residential index covers the remaining published sectors (commercial, health, education etc.). The non-residential index fell from 132 to 106 reflecting the completion of a number of significant projects across the country and in particular, in Christchurch.

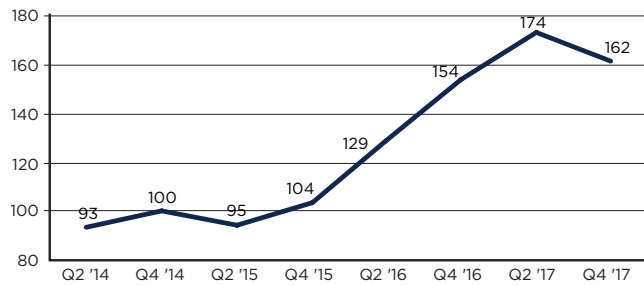
Auckland currently has 73 long term cranes in place, an increase of one from Q2 2017 numbers. These cranes represent almost 60% of the nation's cranes. Christchurch's cranes were down by a total of 8 cranes, and the 17 cranes on Christchurch projects represent 14% of all national long term cranes. As recently as 2014, the Christchurch crane numbers exceeded Auckland. Currently, Auckland outnumbers Christchurch by over 4 cranes to 1.

Across the country, 63 cranes were removed from projects completed or nearing completion during the past six months and 54 have been erected. 69 cranes remained on active sites from the previous index count.



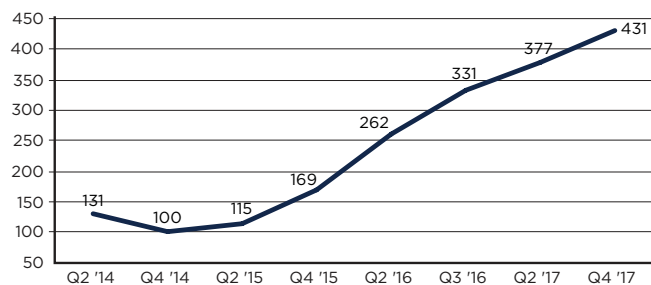
RLB CRANE INDEX® - NEW ZEALAND

BASE = Q4 2014 = 100



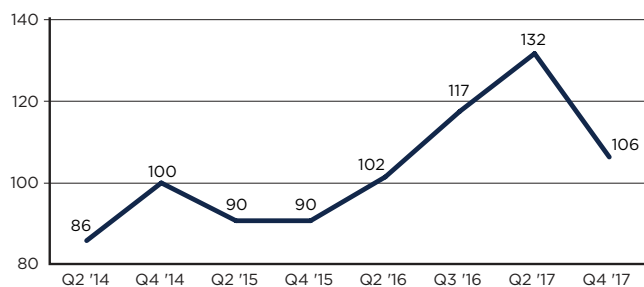
NEW ZEALAND - RESIDENTIAL CRANE INDEX

Q4 2014 = 100



NEW ZEALAND - NON-RESIDENTIAL SECTORS CRANE INDEX

Q4 2014 = 100



RLB CRANE INDEX® COMPARATIVE DATA

INDEX: SECOND EDITION Q4 2014 = 100

	1ST EDITION Q2 2014	2ND EDITION Q4 2014	3RD EDITION Q2 2015	4TH EDITION Q4 2015	5TH EDITION Q2 2016	6TH EDITION Q4 2016	7TH EDITION Q2 2017	8TH EDITION Q4 2017	Q2 '17 VS. Q4 '17
AUCKLAND	96	100	112	127	181	246	277	281	1%
CHRISTCHURCH	71	100	74	100	97	81	81	55	-32%
DUNEDIN	0	100	100	100	100	0	300	200	-33%
HAMILTON	129	100	29	29	71	86	114	43	-63%
QUEENSTOWN	25	100	125	75	100	175	250	275	10%
TAURANGA	800	100	300	0	200	400	400	400	0%
WELLINGTON	100	100	150	150	150	183	167	217	30%
NEW ZEALAND	93	100	95	104	129	154	174	162	-7%

RLB CRANE INDEX® SECTOR COMPARATIVE DATA

INDEX: SECOND EDITION Q4 2014 = 100

	1ST EDITION Q2 2014	2ND EDITION Q4 2014	3RD EDITION Q2 2015	4TH EDITION Q4 2015	5TH EDITION Q2 2016	6TH EDITION Q4 2016	7TH EDITION Q2 2017	8TH EDITION Q4 2017
COMMERCIAL	76	100	118	121	124	100	106	82
RESIDENTIAL	131	100	115	169	262	331	377	431
HEALTH	0	100	33	33	67	133	300	100
EDUCATION	40	100	100	100	160	180	140	160
RETAIL	300	100	0	100	0	400	200	400
CIVIC	200	100	100	100	200	600	800	700
RECREATION	0	0	0	0	100	0	0	0
HOTEL	100	100	100	300	300	300	600	400
CIVIL	189	100	100	67	67	133	144	100
OTHER/MIXED USE	40	100	10	0	10	30	30	50
NON-RESIDENTIAL	86	100	90	90	102	117	132	106
TOTAL	93	100	95	104	129	154	174	162

AUCKLAND

Auckland's index increased to 281 representing 73 total cranes. Twenty-four cranes were removed from projects with 25 added. Residential cranes now increasingly dominate the skyline with almost 70% of all cranes assisting to reduce the supply gap in residential housing. Residential cranes can be seen in 20 suburbs around Auckland with a further 30 cranes in the vicinity of the city centre.

Auckland's largest current development projects, Commercial Bay and the NZ International Convention Centre sites, have both each added new tower cranes since our last index to both now number four tower cranes each. Similarly, four tower cranes are now in place at residential projects at Alexandra Park in Epsom. Two tower cranes are on Fu Wah's Park Hyatt at Wynyard Quarter, and two tower cranes on residential projects at Enfield Street in Mt Eden.

Work put in place has increased 98% or 19% annually, for period June 2013 to June 2017, which corresponds to a rise in Auckland's index of 188%. With 25 cranes in the skyline above Auckland in Q2 2014 to the current 73, significant construction activity has been seen over recent years.

Commercial cranes now account for ten cranes, down from 13 in our last publication. Cranes have been removed from Gt North Road, Smales Farm new office building, Sale Street and both the Datacom and 12 Madden offices in the Wynyard Quarter.

KEY SECTORS

COMMERCIAL	
RESIDENTIAL	
EDUCATION	
CIVIC	
HOTEL	
CIVIL	
OTHER/MIXED	

OVERALL STATUS



LEGEND

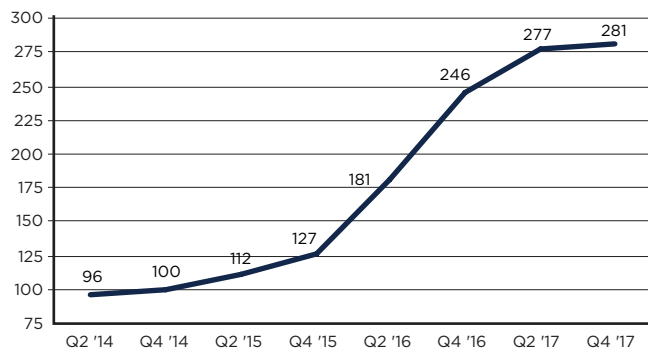
	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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CRANE ACTIVITY - AUCKLAND

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	13	18.1%	3	-6	-3	10	13.7%
RESIDENTIAL	43	59.7%	19	-12	7	50	68.5%
HEALTH	0	0.0%	0	0	0	0	0.0%
EDUCATION	4	5.6%	1	-2	-1	3	4.1%
RETAIL	0	0.0%	0	0	0	0	0.0%
CIVIC	2	2.8%	2	0	2	4	5.5%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	4	5.6%	0	-1	-1	3	4.1%
CIVIL	4	5.6%	0	-2	-2	2	2.7%
OTHER/MIXED	2	2.8%	0	-1	-1	1	1.4%
TOTAL	72	100.0%	25	-24	1	73	100.0%

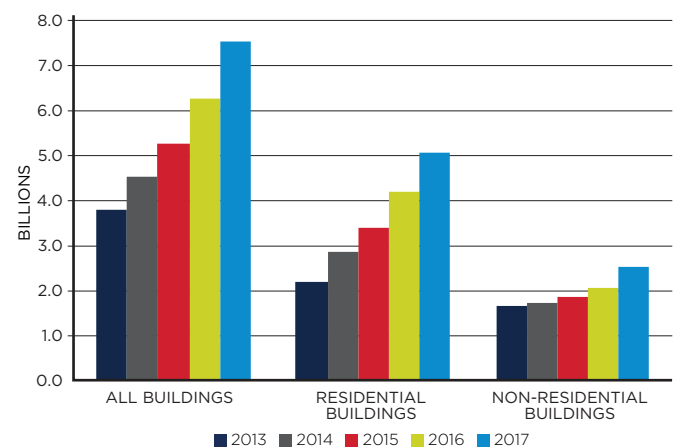
RLB CRANE INDEX® - AUCKLAND

BASE = Q4 2014 = 100



AUCKLAND - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



AUCKLAND

Commercial developments in Newmarket have commenced, with projects continuing at Commercial Bay, Sylvia Park, Greenlane, Newmarket and on St Georges Bay Road in Parnell.

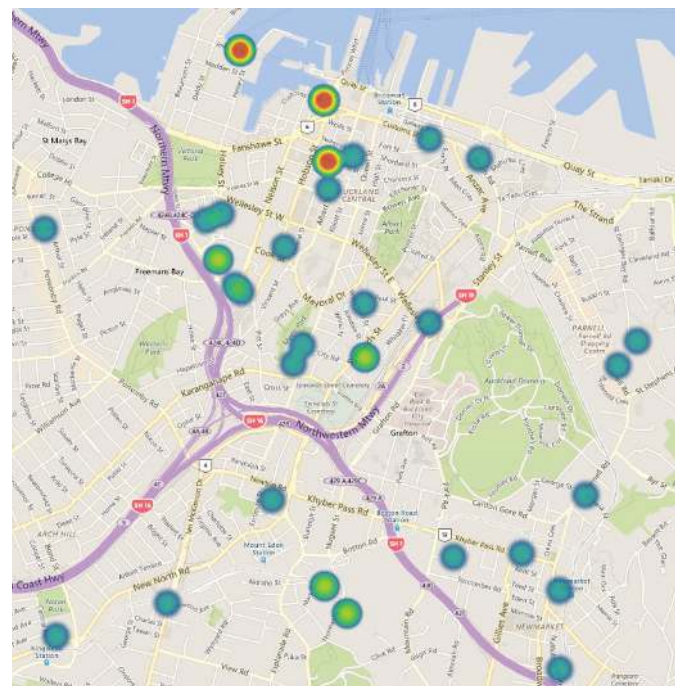
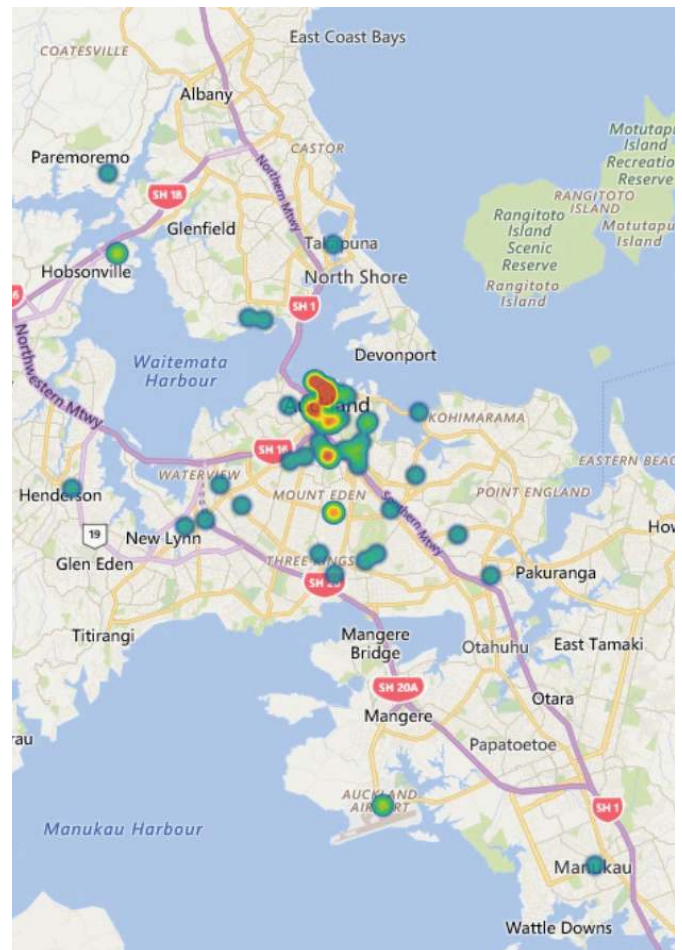
Within the civil sector, one crane continues at the Paremoremo Prison and one crane remains on the Albert Street CRL infrastructure project. One crawler crane has been removed from the road and bridge works on State Highway 20A to the airport.

The hotel sector has three cranes with two on the Hawkin's Park Hyatt site and one at Sky City's new Hobson Street hotel (alongside the four towers constructing the Convention Centre).

Since our last publication, residential cranes have commenced on developments in Beach Road, Custom Street East, Sale Street, Scotia Place and Union Street within the city, Racecourse Parade in Avondale, Rawene Road in Birkenhead, Hobsonville Point in Hobsonville, Soljak Place in Mt Albert, Akepiro Street in Mt Eden, Nuffield St in Newmarket, Paratai Drive in Orakei and Lomond Street in Takapuna. A fourth tower crane has been erected at Alexandra Park.

Residential developments completed or nearing completion which have seen cranes removed, include sites at Park residences on the corner of Swanson & Wyndham Streets, Day Street and K' Road and Victoria Street West, all within the city. Residential cranes removed in the suburbs include Browns Bay, Grey Lynn, Parnell, Ponsonby, Albany and Rosedale.

From our observations in Auckland, Fletcher Construction have 14 long-term cranes currently operating. Dominion Constructors have eight tower cranes on projects and Hawkins have five cranes on sites.



CHRISTCHURCH

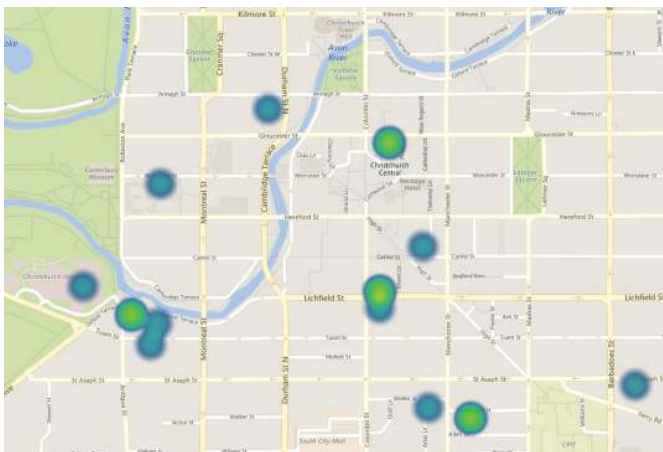
It is now over six years since the earthquakes hit Christchurch. Since our last publication cranes have been removed from a number of significant rebuilding projects which has caused the index fall to 55, the lowest index value since the index commenced. The index represents 17 cranes, the lowest count since a high of 31 in Q4 2015.

Work put in place for the year ending June 2017 for Canterbury was down 4.3% over 2016. Both residential and non-residential work decreased.

The fall in crane numbers coincides with the completion of important projects around Christchurch. These include the Christchurch Justice and Emergency Services Precinct, Crowne Plaza, Forte Health Expansion, Hereford St Carpark, King Edward Barracks, Lichfield Street Carpark Building, The Crossing and The Terrace. Three cranes have been removed from the Acute Services Building at the Christchurch Hospital, which is scheduled for opening in 2018.

Eighteen cranes have been removed from projects since our last index, with ten new cranes assisting new developments. These new developments include a new retail & office development in Colombo Street, retail development in Manchester Street, Atlas Quarter, Hoyts Entx development, commercial projects in St Asaph Street and in Armagh Street, Archibald's new building and Strata Love in High Street.

Both the Outpatients building and the Central library projects continue with two cranes each.



KEY SECTORS

COMMERCIAL	↑
RESIDENTIAL	↓
HEALTH	↑
EDUCATION	↑
RETAIL	↓
CIVIC	↑
HOTEL	↑

OVERALL STATUS



LEGEND

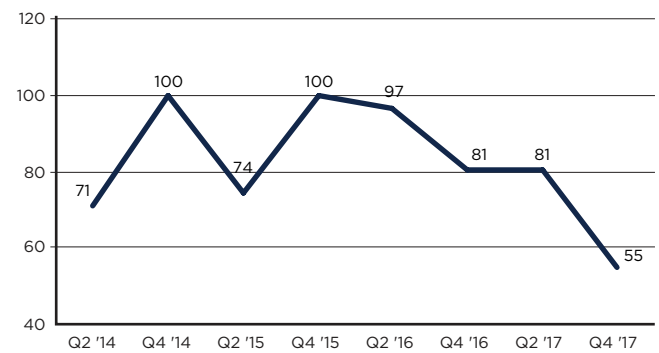
↑	INCREASE IN NUMBER OF CRANES	↓	DECREASE IN NUMBER OF CRANES	↔	CRANE NUMBERS STEADY
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CRANE ACTIVITY - CHRISTCHURCH

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	8	32.0%	7	-8	-1	7	41.2%
RESIDENTIAL	0	0.0%	1	0	1	1	5.9%
HEALTH	7	28.0%	0	-4	-4	3	17.6%
EDUCATION	1	4.0%	0	0	0	1	5.9%
RETAIL	2	8.0%	2	-2	0	2	11.8%
CIVIC	6	24.0%	0	-3	-3	3	17.6%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	1	4.0%	0	-1	-1	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
OTHER/MIXED	0	0.0%	0	0	0	0	0.0%
TOTAL	25	100.0%	10	-18	-8	17	100.0%

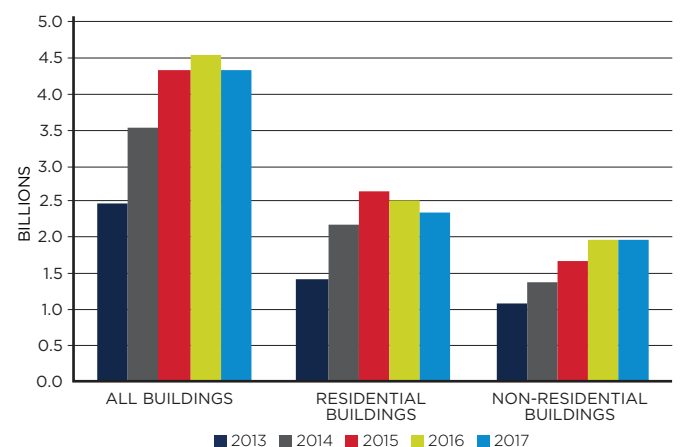
RLB CRANE INDEX® - CHRISTCHURCH

BASE = Q4 2014 = 100



CANTERBURY - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



DUNEDIN



Two cranes can now be seen in Dunedin, resulting in a decrease of one. Both residential cranes observed in our last index have been removed with new cranes commencing on education projects.

Cranes have been erected at the University of Otago's Dental School and the Research Support Facility on the other side of Great King Street. The Dental School has been named 'Reachie McClaw' following a naming competition, with the name emblazoned on the tower crane. Work has been completed on the Commerce building refurbishment with one crane removed.

The two cranes supplementing the Otago Polytechnic Student Residences project have been removed.

The South Island (excluding Canterbury) work put in place grew 23% for the year to June 2017.

KEY SECTORS

RESIDENTIAL	
EDUCATION	

OVERALL STATUS



LEGEND

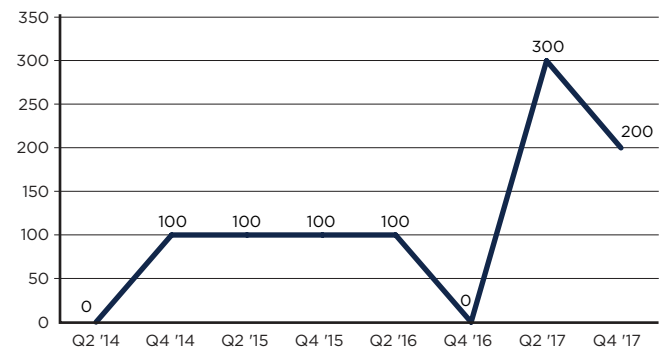


CRANE ACTIVITY - DUNEDIN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	2	66.7%	0	-2	-2	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
EDUCATION	1	33.3%	2	-1	1	2	100.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
OTHER/MIXED	0	0.0%	0	0	0	0	0.0%
TOTAL	3	100.0%	2	-3	-1	2	100.0%

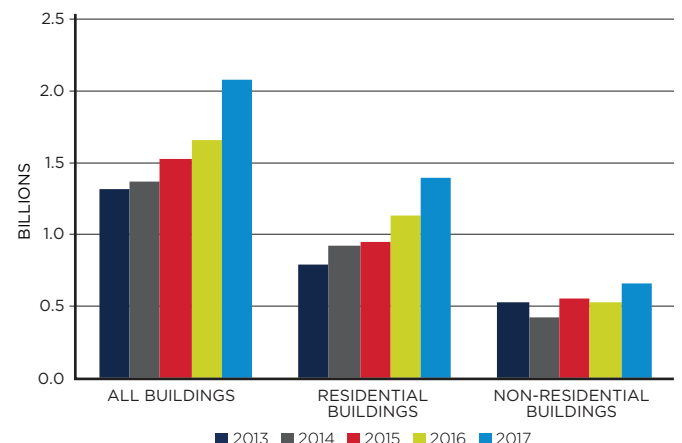
RLB CRANE INDEX® - DUNEDIN

BASE = Q4 2014 = 100



SOUTH ISLAND EXCLUDING CANTERBURY - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



HAMILTON

Hamilton's index fell to 43 in this release, down from 114. Total crane numbers dropped from eight in Q2 2017 to the current number of three.

Developments for Laminex and Porters, both in Te Rapa, have each seen the removal of two cranes together with the crane at the Hilda Ross Hospital.

Cranes are continuing assisting in the civil projects at the Hamilton North expressway extension and the Ruakura bridge works.

KEY SECTORS

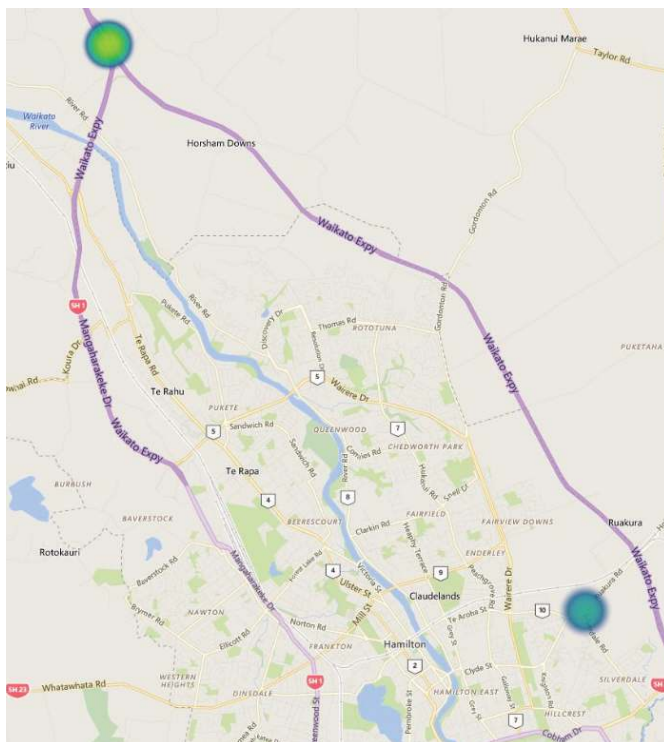
- COMMERCIAL 
- HEALTH 
- CIVIL 

OVERALL STATUS



LEGEND

-  INCREASE IN NUMBER OF CRANES
-  DECREASE IN NUMBER OF CRANES
-  CRANE NUMBERS STEADY

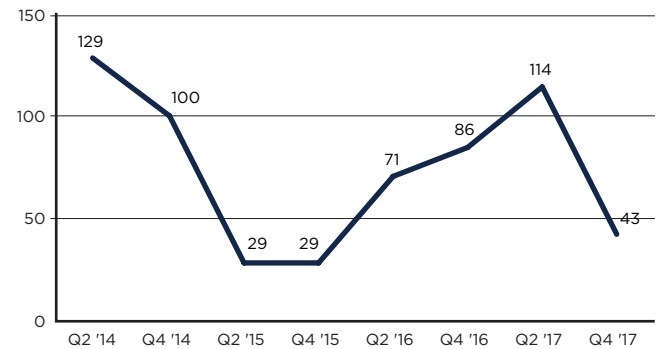


CRANE ACTIVITY - HAMILTON

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	4	50.0%	0	-4	-4	0	0.0%
RESIDENTIAL	0	0.0%	0	0	0	0	0.0%
HEALTH	1	12.5%	0	-1	-1	0	0.0%
EDUCATION	0	0.0%	0	0	0	0	0.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
CIVIL	3	37.5%	0	0	0	3	100.0%
OTHER/MIXED	0	0.0%	0	0	0	0	0.0%
TOTAL	8	100.0%	0	-5	-5	3	100.0%

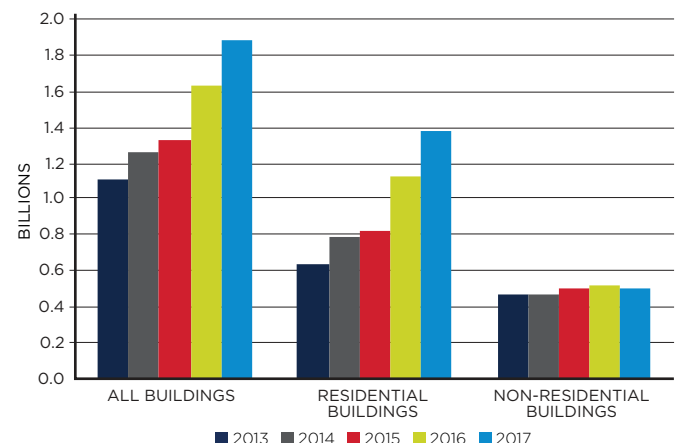
RLB CRANE INDEX® - HAMILTON

BASE = Q4 2014 = 100



WAIKATO - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



QUEENSTOWN

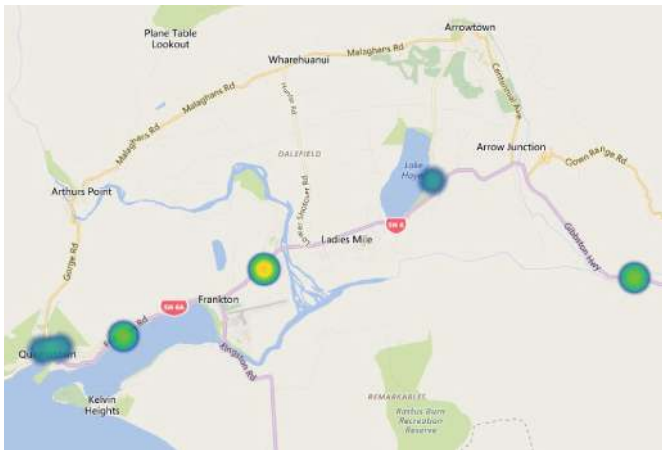
Queenstown's construction activity has seen a consistent growth in the index from a low of 75 in Q4 2015 to the current high of 275, a 10% increase since our last publication.

Queenstown's skyline now has 11 cranes, up from 10 in Q2 2017.

Cranes were removed from Five Mile Stage 2, Wakatipu High School, Rydges Hotel, Fernhill residence and Lakeside Estate residence.

New cranes have been positioned for the Hardware Lane light industrial development, the iFly Skydiving project, the Jucy Hotel, Queenstown Hill residence and Queenstown Central (retail development).

Cranes are still positioned for the Kawarau bridge and the Lake Haze apartment projects



KEY SECTORS

COMMERCIAL	
RESIDENTIAL	
EDUCATION	
RETAIL	
HOTEL	
CIVIL	
OTHER/MIXED	

OVERALL STATUS



LEGEND

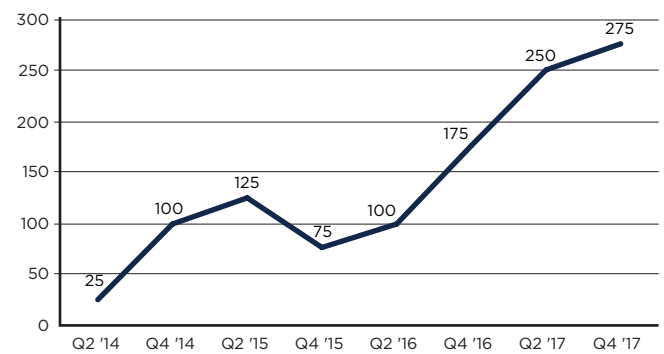
	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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CRANE ACTIVITY - QUEENSTOWN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	0	0.0%	1	0	1	1	9.1%
RESIDENTIAL	3	30.0%	1	-2	-1	2	18.2%
HEALTH	0	0.0%	0	0	0	0	0.0%
EDUCATION	2	20.0%	0	-2	-2	0	0.0%
RETAIL	1	10.0%	2	-1	1	2	18.2%
CIVIC	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	1	10.0%	1	-1	0	1	9.1%
CIVIL	3	30.0%	0	-1	-1	2	18.2%
OTHER/MIXED	0	0.0%	3	0	3	3	27.3%
TOTAL	10	100.0%	8	-7	1	11	100.0%

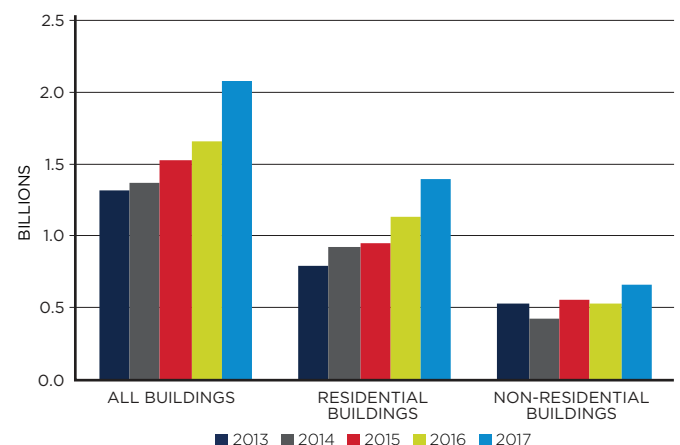
RLB CRANE INDEX® - QUEENSTOWN

BASE = Q4 2014 = 100



SOUTH ISLAND EXCLUDING CANTERBURY - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



TAURANGA

Crane numbers remained the same in Tauranga, with four cranes on current projects.

Cranes were removed from the Maungatapu tunnel underpass, Tauranga waterfront development and the ANZ car park extension.

New developments which have long term cranes are the University of Waikato (Tauranga Campus), Kennedy bridge, Zespri office building and the Southern Pipeline harbour crossing.

KEY SECTORS

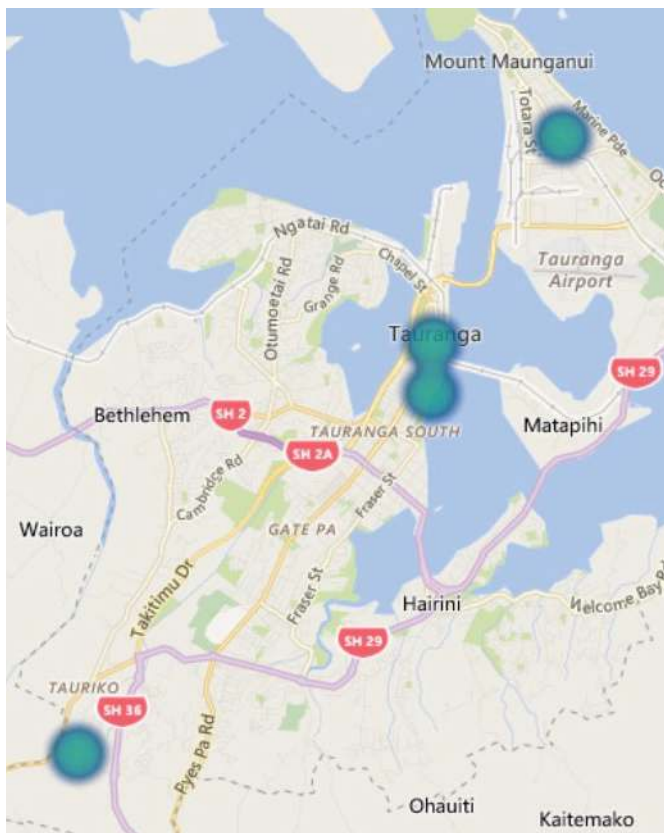
COMMERCIAL	
EDUCATION	
CIVIL	

OVERALL STATUS



LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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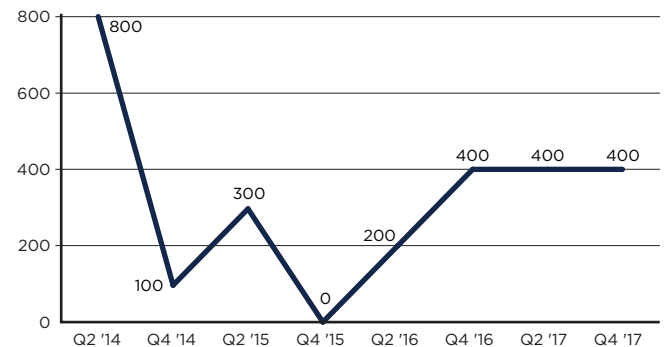


CRANE ACTIVITY - TAURANGA

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	1	25.0%	1	-1	0	1	25.0%
RESIDENTIAL	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	1	0	1	1	25.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
CIVIL	3	75.0%	2	-3	-1	2	50.0%
OTHER/MIXED	0	0.0%	0	0	0	0	0.0%
TOTAL	4	100.0%	4	-4	0	4	100.0%

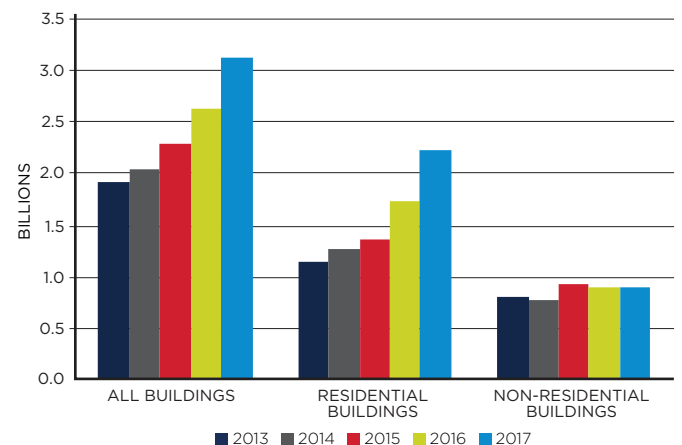
RLB CRANE INDEX® - TAURANGA

BASE = Q4 2014 = 100



NORTH ISLAND EXCLUDING AUCKLAND, WAIKATO, AND WELLINGTON - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



WELLINGTON

Wellington's crane index has reached a new high in Q4 2017 of 217, up 30% since our last publication. This new high reflects the rise in work put in place across Wellington over the past four years. The volumes of construction work increased from \$1.1b in the year ending June 2013 to \$1.6b in 2017, a 45% increase. Work put in place over the 12 months to June 2017, rose by 26% over 2016 levels.

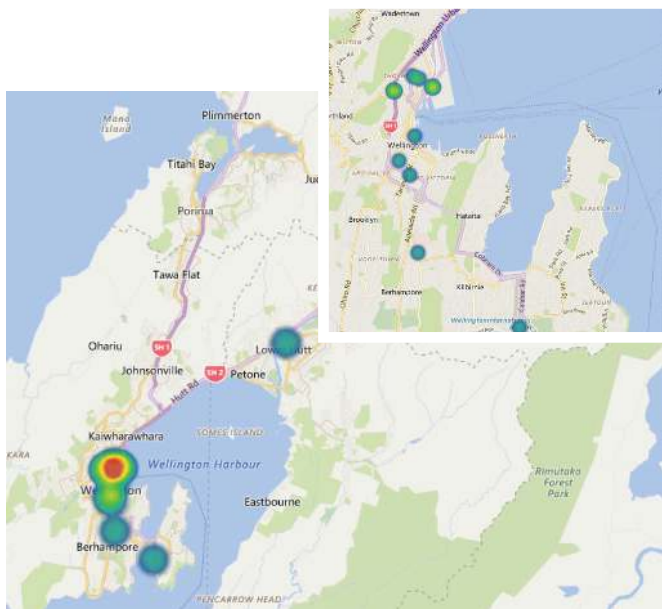
Thirteen cranes are now spread across Wellington, up from 10 in Q2 2017. Five cranes have been added and two removed.

New developments that have commenced, with cranes sited, include Newtown School in Riddiford Street, apartments in Molesworth Street and Social Housing apartments in Taranaki St.

Additional cranes have commenced on Waterloo Quay and the Bowen State building refurbishment, bringing the sites to two cranes each.

Continuing cranes are on sites at Jervois Quay, Wellington Airport carpark building, High Street in Biosecurity Labs in Ward St, Upper Hutt, Victoria & Ghuznee Street corner and at the Indian High Commission in Thorndon.

Cranes have been removed from Taranaki Street and 83 Cuba St.



KEY SECTORS

COMMERCIAL	
RESIDENTIAL	
EDUCATION	
OTHER/MIXED	

OVERALL STATUS



LEGEND

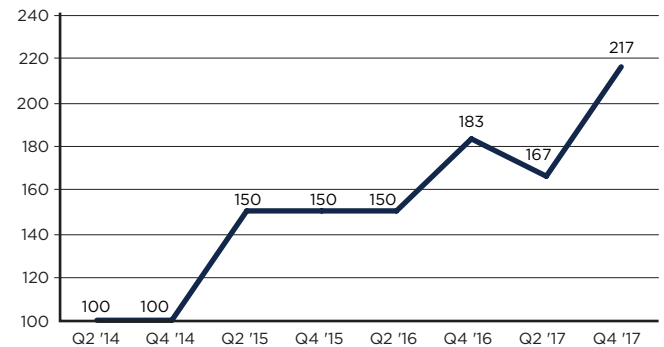


CRANE ACTIVITY - WELLINGTON

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q2 2017	%	+	-	NET	Q4 2017	%
COMMERCIAL	8	80.0%	2	-2	0	8	61.5%
RESIDENTIAL	1	10.0%	2	0	2	3	23.1%
HEALTH	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	1	0	1	1	7.7%
RETAIL	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
OTHER/MIXED	1	10.0%	0	0	0	1	7.7%
TOTAL	10	100.0%	5	-2	3	13	100.0%

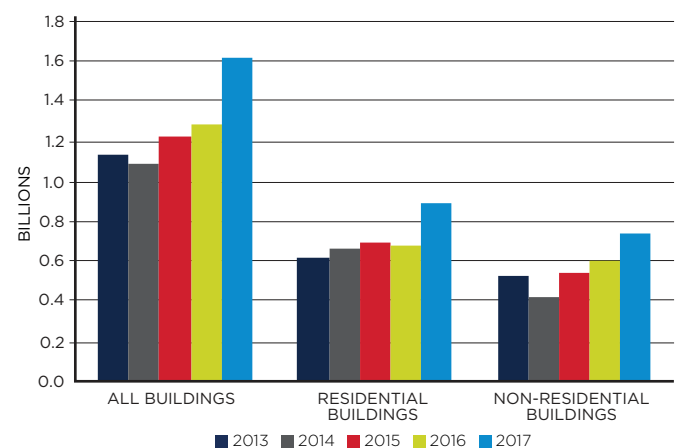
RLB CRANE INDEX® - WELLINGTON

BASE = Q4 2014 = 100



WELLINGTON - CONSTRUCTION WORK PUT IN PLACE

YEAR ENDING JUNE - SOURCE: STATS NZ



ABOUT THE RLB CRANE INDEX®

The RLB Crane Index® is published by Rider Levett Bucknall biannually in Australia, New Zealand, USA, Gulf States and Southern Africa. The New Zealand RLB Crane Index® tracks the numbers of cranes in the key cities within New Zealand.

The RLB Crane Index® gives a simplified measure of the current state of the construction industry's workload in each of these locations.

Each RLB office physically counts all fixed cranes on each city's skyline twice yearly which provides the base information for the index. This information is then applied to a base date (2nd edition Q4 2014), which enables the RLB Crane Index® to be calculated highlighting the relative movement of crane data over time for each city.

Subsequent movements in crane numbers were applied to the base RLB Crane Index® to highlight the crane movements in each city over time based on the relative count in Q4 2014.

Using the RLB Crane Index® table data makes for quick comparisons in determining city by city crane activity. For example, when comparing Auckland cranes for the base period of Q4 2014, against the count in Q3 2016, the following formula can be used to determine the percentage increase (or decrease).

$$\text{PERCENTAGE CHANGE} = \left[\frac{\text{CRANE INDEX}_{\text{CP}} - \text{CRANE INDEX}_{\text{PP}}}{\text{CRANE INDEX}_{\text{PP}}} \right] \times 100$$

where Crane Index_{cp} is the RLB Crane Index® for the current period and Crane Index_{pp} is the RLB Crane Index® for the previous period.

HEATMAPS

The RLB Crane Index® hotspot maps offer a pictorial representation of the collected data for each city using a heatmap indicator to indicate the level of crane activity. The size of hotspot is relative to the scale of the map and is not an indication of the crane count in that position. The heatmap uses blue to indicate a lower crane activity, and the brighter red insert to indicate higher crane activity.

The location of the hotspots are indicative only and have been positioned to convey the general spread of cranes within a city.

The levels of intensity are calculated on a map by map basis and should not be compared between different cities.

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