

THE CANTERBURY REPORT

PREPARED BY THE CANTERBURY DEVELOPMENT CORPORATION | AUTUMN 2014



cdc

Leading Economic
Development for
the Christchurch
City Council

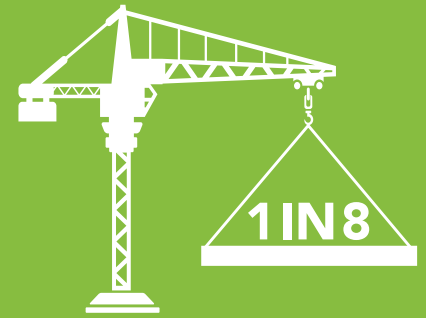
FUN FACTS

A SNAPSHOT OF

Canterbury



Was the unemployment rate in Canterbury for the December quarter of 2013 (Census 2013)
Source: Statistics New Zealand



Employed adults in Greater Christchurch worked in the Construction industry in 2013 (Census 2013)
Source: Statistics New Zealand



GATE A1
ARRIVALS



10,673

Permanent and long-term migrant arrivals from overseas to Canterbury in 2013 (net 4,534) – up from 8,526 the previous year
Source: Statistics New Zealand



49.7%

Of the total number of hectares that grow potatoes in New Zealand are in Canterbury (as at June 2012)
Source: Statistics New Zealand



People who were born in India have moved to Greater Christchurch since March 2011
Source: Statistics New Zealand



International students in Canterbury between 1 January and 31 August 2013 – up 4.9% from the previous year
Source: Education Counts



Of 15 to 29-year-olds in Greater Christchurch are men (Census 2013)
Source: Statistics New Zealand



Employees working in Aircraft Repair and Maintenance in Christchurch City in February 2013 – 30% of the national total
Source: Statistics New Zealand

10,578

People in Greater Christchurch cycled to work on Census day (Tuesday 5 March 2013)
Source: Statistics New Zealand



Of Greater Christchurch residents born in Ireland worked in the Construction industry in 2013 (Census 2013)
Source: Statistics New Zealand

97

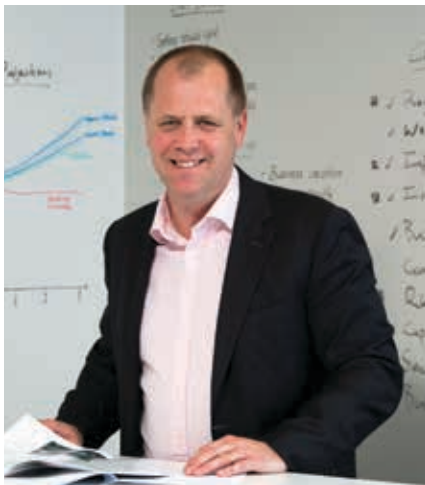
Factories and industrial buildings were consented in Canterbury in 2013
Source: Statistics New Zealand



THE MACRO VIEW

Welcome to the third issue of The Canterbury Report, a Canterbury Development Corporation (CDC) publication designed to give the business community a comprehensive overview of the state of the region's economy.

At CDC we remain fully focused on our vision for the economy of Christchurch: that in 2031 Christchurch is recognised



as the best place for business, work, study and living in Australasia. There's no doubt that the rebuild is driving many aspects of the economy, and that's great news. Recently-released statistics show Canterbury was the fastest-growing regional economy in the year to March 2013.

Unemployment is now just above three percent, and history tells us it's difficult to get it much lower than that. This has many positive spin-offs: for example, excellent employment opportunities for both skilled and unskilled labour. This leads to increased migration, which means new skills, experience and cultures coming into the region. Students in Canterbury can now get a part-time job in hospitality again – thanks to the number of bars, cafes and restaurants popping up – or pick up a hammer and work on a construction site for 20 hours a week, to pay for their studies. This will help attract national and international enrolments.

Of course, we don't want to become typecast as a 'construction city.' The ICT, manufacturing, hospitality, retail and healthcare sectors are also booming. Many businesses are thinking outside the square to make the most of new or different opportunities

and capitalise on the unique post-earthquake environment. There are plenty of examples of innovation, with risk-takers bringing original ideas, techniques or technology into this market. Smith Cranes, who feature in this Canterbury Report, are one such case.

While it's wonderful that Canterbury is enjoying 'rock star' economy status, it also has its risks and challenges. There is a danger that, long-term, some industries will be 'cannibalised' as workers are persuaded to switch sectors for lucrative rebuild salaries. There is also the possibility that young people are drawn out of education pathways for high-paying unskilled labour. And there's a risk that we over-cook the housing market, driven by short-term demand. These issues need visibility and careful consideration because the decisions we make today shape the future of our city.

Tom Hooper

Chief Executive — Canterbury Development Corporation (CDC)

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STATE OF PLAY

Economic Update

Economic activity in Christchurch and Canterbury continues to show strength, with output high and growing and very low levels of unemployment. This activity is also reflected in strong retail trade, manufacturing performance and building activity. Growth rates themselves are beginning to show signs that the rebuild is reaching its peak, or the maximum output possible given the current level of resources. This high level is likely to peak and hold for the next few years as rebuilds and repairs continue.

The regional boom has a flow-on impact on the whole economy. The Reserve Bank of New Zealand has already tried to slow growth with one increase in the Official Cash Rate (OCR). Further upward moves are expected to help keep prices – in particular house prices – in check throughout this vibrant period for the local and national economies.

A real risk factor going forward, which could hamper growth, is accessing appropriately-skilled labour. A very low unemployment rate means available workers in the city are becoming scarcer, which is beginning to push up wages throughout the city. Migration will be important in meeting labour requirements, and the positive migration trends are a good sign.

Gross Domestic Product (GDP)

It is estimated (by Infometrics Ltd) that Gross Domestic Product in Christchurch city increased by 6.6 percent in the year ending December 2013. This is a small reduction in the annual growth rate, but is still very strong and comes off an already very high level of GDP.

The Construction sector experienced the biggest 2012-2013 increase, growing by a further estimated 15.7 percent.

Professional, Scientific and Technical Services (which includes some of the sectors supporting the rebuild, such as architects), also grew strongly, with an estimated 8.2 percent growth.

Other sectors to experience strong growth include Retail Trade (8.2 percent) and Accommodation, Cafes and Restaurants (7.5 percent). This reflects the recovery in the hospitality sector, confidence in the economy and the fact that residents are starting to spend money on these areas again. The Healthcare and Social Assistance sector also continues to improve.

Value of Building Work

The value of building work fell back slightly in the December 2013 quarter, but remains at a very high level. During the quarter, around \$809 million worth of building work was done in the region, including \$484 million of residential buildings (compared to \$397 million total on average in 2010).

The volume of building work should continue to remain high for the foreseeable future, with building consents in the city and region tracking well above average for both residential and non-residential building.

Retail Trade

Retail Trade in Canterbury remains strong. This reflects both an increased confidence in the regional economy, as well as increased spending on replacements and new purchases following insurance payments. Seasonally-adjusted retail sales in Canterbury increased by 2.0 percent in the December 2013 quarter, from the September 2013 quarter, compared to an increase of only 1.2 percent across the country.

Performance of Manufacturing

The BNZ - BusinessNZ Performance of Manufacturing Index continues to show strength in Canterbury. The index was at 53.0 and 53.7 in January and February, respectively. Any value over 50 indicates expansion. This sector has significant potential to gain from the rebuild, through providing goods and materials.

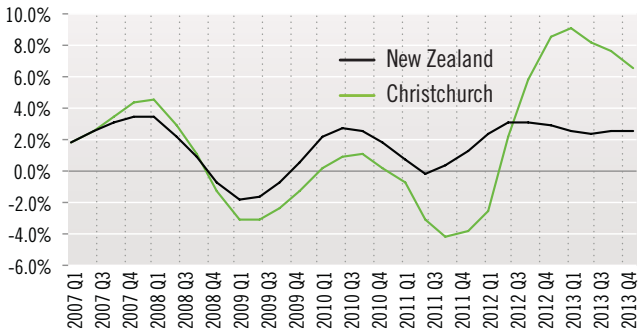
Labour Force

The labour force in Canterbury continued to improve in the December quarter. There was a significant reduction in the unemployment rate, from 4.2 percent in the September quarter to 3.4 percent (with Christchurch at 3.2 percent). There was an increase in the number of people employed in the region, up from an estimated 323,800 to 345,000, with a 14,500 increase in the working-age population. Information, Media and Telecommunications and Construction saw the biggest increases in employment between the December 2012 and 2013 quarters. The participation rate also increased, to 71.5 percent (from 69.7 percent). More people are confident about the labour force situation and are either working or actively seeking work. However, a continuing low unemployment rate will make sourcing appropriate labour more difficult.

Migration

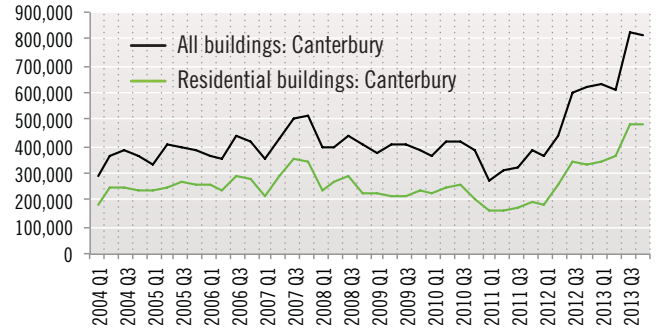
Migration continues to remain strong for the region and city. In February 2014, there were a net 640 permanent and long-term international residents arriving in Christchurch and 720 in Canterbury. This brings the previous 12-month totals to 4,501 and 5,088 people, respectively. These new residents will be providing valuable labour in Construction and other sectors experiencing skill shortages.

Gross Domestic Product
(Annual average percent change)



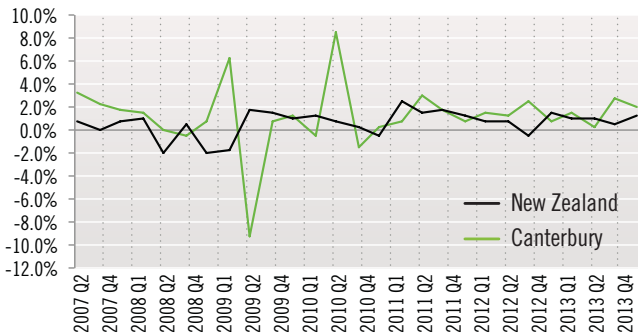
Source: Infometrics Ltd, CDC

Value of Building Work in Canterbury
(Quarterly value of work put in place, \$000s)



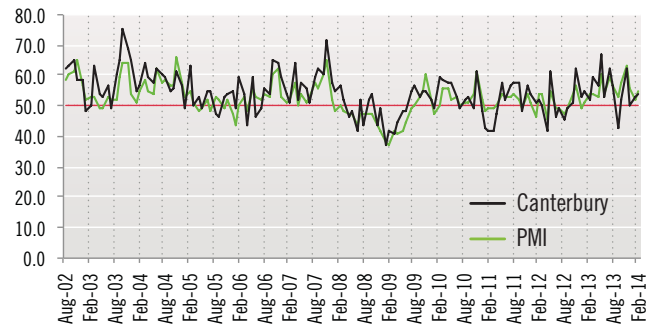
Source: Statistics New Zealand, CDC

Retail Trade
(Change in seasonally-adjusted retail sales from previous period)



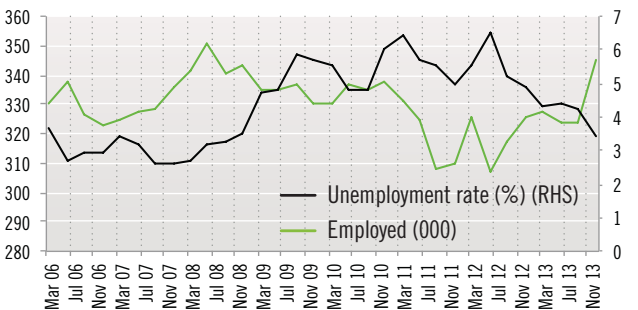
Source: Statistics New Zealand, CDC

Performance of Manufacturing Index
(value >50 means expansion, <50 contraction)



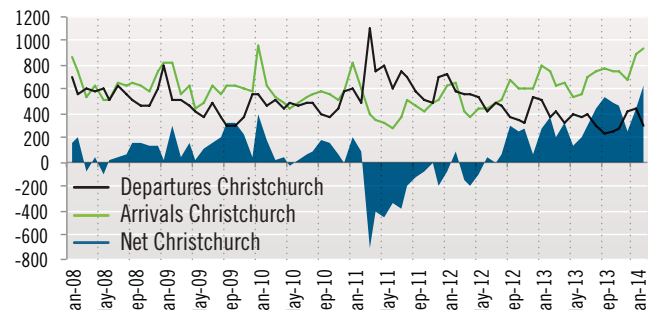
Source: BNZ-BusinessNZ, CDC

Canterbury Labour Force
(Number of people employed (000) and unemployment rate (%))



Source: Statistics New Zealand, CDC

Christchurch Migration
(Permanent and long-term migration, arrivals and departures)



Source: Statistics New Zealand, CDC

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REGIONAL INNOVATION

Smith Cranes giving the rebuild a major lift.

Following the February 2011 earthquake, Smith Crane and Construction Limited (Smith Cranes) wanted to help with the rebuild of the city. With many years' experience relocating houses, Smith Cranes quickly realised that the traditional way of jacking up a house for relocation would not be suitable for the scale of repairs needed in Christchurch. Instead, the company set about using its in-house engineers and knowledge of the crane industry to develop a new technology to lift a house three metres off its foundations.

Smith Cranes' idea recently won the CDC Innovation/Technology Award at the 2013 Champion Canterbury Business Awards. Panel judge Jamie Cairns, who is General Manager of CRIS (Canterbury

Regional Innovation System), said the fact that this innovation came from an existing company as part of the recovery really impressed the judging panel. In addition, Cairns said, the technology has high export potential and intellectual property that is able to be protected.

The Canterbury Report talked to Smith Cranes Managing Director Tim Smith about the technology his company has developed and how they got it into the marketplace.

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What is the technology behind the innovation?

Smith: "In conventional lifting you normally jack the houses up on to a trailer to transport them.

That's great for when you are relocating the house, but the problem you have when you come to repair foundations or

do piling work is that all the equipment is underneath and the house is only about a metre off the ground. Guys have to crawl underneath and around the equipment.

We needed something outside the house so it was all clear underneath and also jacked up higher.

We also solved the problem of using long beams in constrained areas. By making beams out of little pieces, guys can carry the pieces by hand and don't need all the space. Boundary fences are no longer a problem."

.....

How hard was it to get the technology into the industry?

Smith: "We did a lot of research and development in-house and created the first jack after numerous testing without a contract. We had brought in a test house to make sure that we could do the job.



A house being lifted with Smith Cranes' synchronised jacking plant



We approached insurance companies and told them about our technology, but they were all a bit sceptical initially. One company was willing to give us a trial job, which was a complete success. Since then we have done about 40 houses. It took about six months to develop the technology and then about another six months to get the first job."

How do you prepare for the increase in demand?

Smith: "We have now built five to keep up with demand. It is about a month lead time so we can develop them as we need in our own engineering workshop."

Were there many changes between the first design and the latest one built?

Smith: "Not really; we made a few modifications at the start where we had a bit of deflection where the trusses dipped a little bit, so we put in a pre-camber before the weight of the house. We didn't want to make the trusses too heavy though."

Finally, what has winning the CDC Innovation/Technology Award at the 2013 Champion Canterbury Business Awards meant for the business?

Smith: "It has increased the amount of publicity for our technology; it has also helped us with an increase in referrals

for our technology. It has been good to get recognition for the technology and the in-house engineering team we have created. It has helped reinforce our product development processes.

We had an enquiry from the United States following Hurricane Sandy, but that hasn't been followed through as we were struggling to keep up with the jobs in Christchurch. We needed to focus on the product and doing what we are good at here." ■



**CHAMPION CANTERBURY
BUSINESS AWARDS**

ENTER NOW OR NOMINATE A LOCAL BUSINESS

CHAMPIONCANTERBURY.ORG.NZ

NOMINATIONS CLOSE 28 MAY 2014

**2014
NOMINATIONS
OPEN
30 APRIL**

EMPLOYMENT MAPPING

New online tool will paint a picture of evolving commercial sector.

In the early phases of earthquake recovery planning, Canterbury Development Corporation (CDC) and Canterbury Earthquake Recovery Authority (CERA) worked together to investigate the effect of the Canterbury earthquakes on the Christchurch economy. In order to understand the geographic impacts, a number of data sources were analysed to produce maps showing change in the distribution of economic activity.

Most of the data sources investigated had significant limitations, costs or interpretation difficulties. One of the data sources used was employment information collected by Statistics New Zealand. Of all the information analysed, this data stood out as providing significant benefits if incorporated into CDC's regular economic monitoring programme.

Working with Environment Canterbury (ECan), the employment map is now hosted within the online mapping tool, 'Canterbury Maps' (www.canterburymaps.govt.nz). This partnership approach was

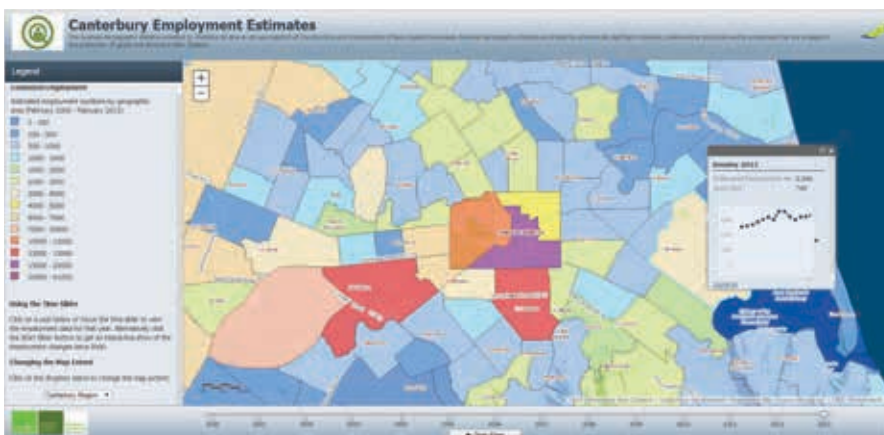
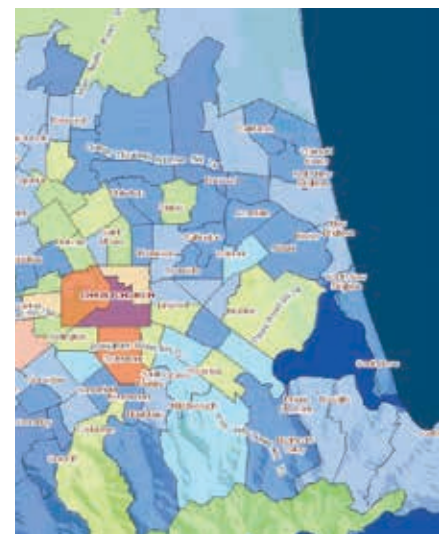
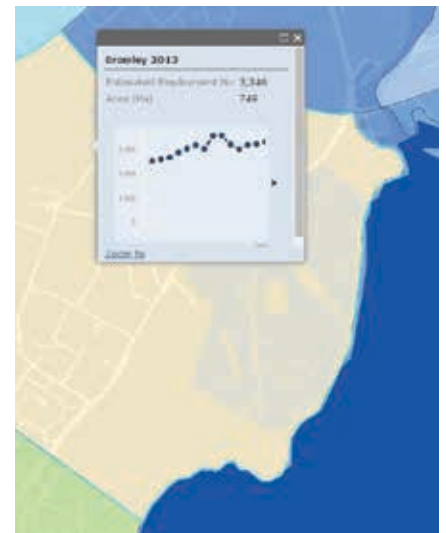
chosen to provide the best value to the widest number of potential users. ECan and the local councils in the region are committed to providing the Canterbury Maps information to the public for the long term. The maps are published openly, so can be used by anyone.

These employment maps are being used to monitor changes in employment patterns, and in particular as an indicator of earthquake recovery. The monitoring of this information can identify trends in business location choices as commercial property is repaired and rebuilt and the city transitions to a new, more settled, urban form. It will provide insight into the speed of transition as well as the distribution patterns of businesses as the city evolves. Of course, only time will tell which commercial developments are successful at attracting businesses that suffered dislocation as a result of earthquake-damaged premises. However, this tool will provide us with a good picture of how the commercial aspects of the city are evolving.

The tool provides employment estimates based on the Statistics New Zealand Longitudinal Business Frame survey, which is collected each February by Statistics New Zealand and reported in October. The Business Frame is

reasonably comprehensive, capturing all employing units and enterprises with GST turnover greater than \$30,000 a year. The information presented in the maps is scaled to Statistics New Zealand Census Area Units. The maps give an annual snapshot for each year from 2000.

To view the employment maps, visit www.canterburymaps.govt.nz/Apps/CanterburyEmploymentEstimates ■



Screen shots taken from 'Canterbury Maps'

HELP4U

Growing to an international business ... with some help along the way.

Kay Poulsen has learned a lot on the roller-coaster business start-up journey. What started as an idea to help people better navigate the health system has turned into a business, ready to go global. She now has five full-time staff and a professional advisory board, and revenue has grown 100 percent on average year-on-year for the past five years.

Poulsen shares some of her key learnings to encourage other entrepreneurs to take advantage of the business support available.

Turn your idea into a business plan

"I was working in the health sector so knew the industry, but not how to turn my idea into an actual business. I did market research during a part-time Masters of Business Administration (MBA), and developed a pilot service during Canterbury Development Corporation's (CDC) New Zealand Trade and Enterprise (NZTE)-funded High-Tech Launch Programme (then New Zealand's leading technology start-up programme) in 2006.

This helped me nail our Unique Selling Proposition (USP); how to communicate it (the 'Elevator Pitch'); and build a realistic business plan. Over the following two years, we refined our service and got our first customers on board. In June 2009, I took the plunge to work in the business full-time and take it to the next level. Deep breath . . . "

Expect the unexpected – adapt and respond

"Pre-earthquakes, everything was tracking to plan. We were growing, had two full-time employees and a paid advisory board. Then everything changed.

We lost our offices and for six months volunteered alongside the Student Volunteer Army and Red Cross, using our database to match displaced patients with their health service providers. Nurse Maude, meanwhile, tested our software under licence. This stress-testing demonstrated how productive and reliable Help4U's Aesop software really was and gave me clarity; this is what I was destined to do and it had global potential."

Be open to, and invest in, good advice

"In late 2011, Nurse Maude put out a tender for a system which would be 10 times the scale of our current database and system. Intimidating for a small company with no tender experience! CDC referred us to a roundtable of business experts (a service now called 'Amplifier'). This group supported discussions with our business banking manager to establish what financial resources we needed to deliver on the tender.

Late 2012, we had won the tender! We appointed a new advisory board – using a formal recruitment process – to support our global ambitions, challenge me, and had the right fit with the company and each other."

Enjoy the journey – there WILL be ups and downs

"Our health navigation services and products have now been demonstrated in New Zealand and we have the company structure to support our growth plans. It certainly helped to have our



Help4U Managing Director Kay Poulsen

white papers published and we have received international recognition, most recently in the Ageing Asia Investment Forum: 2014 Eldercare Innovation Awards.

My advice: Be open to advice, even if it seems scary and hard. Investing in good quality coaching and advice is just that: an investment. You have to follow through and do the work to get the value."

You may be eligible for up to 50 percent co-funding for business capability training or coaching under the Regional Business Partnership. To find out what business support CDC can help you with, phone 03 379 5575 or email cdc@cdc.org.nz. For more information about CDC, visit www.cdc.org.nz ■



CEDS ACHIEVEMENTS

Christchurch Economic Development Strategy (CEDS) was launched in April 2013. It details all of the economic development projects in the city and their lead agencies. The CDC website (www.cdc.org.nz) is updated quarterly with progress reports. A summary of project updates to December 2013 is provided below.

'The Big 5' GDP Game Changers



MAXIMISING EARTHQUAKE RECOVERY OPPORTUNITIES



EFFECTIVE WATER RESOURCE MANAGEMENT



IMPROVING PRODUCTIVITY THROUGH INNOVATION







SUCCESSFUL CENTRAL CITY DESIGN AND BUILD



INCREASED IMPORT & EXPORT DISTRIBUTION NETWORKS

Achievements

PRIORITY	ACHIEVEMENT	LEAD AGENCY
	Christchurch City Council adopted the Edgware Village and Ferry Road Master Plans in December 2013. Seven suburban centre master plans have now been adopted.	CCC
	Lyttelton Port has reclaimed 4.7ha of the targeted 10ha to use for critical port infrastructure. At a time when the Lyttelton Port is working to address capacity constraints in the container terminal, the reclamation is now being utilised to support the terminal.	LPC
	A specific China engagement strategy for the Core Cities Network was endorsed by the Metro Mayoral Forum.	LGNZ
	To date, the 10 Canterbury Water Management Strategy Zone Committees have approved more than \$2.6m of environmental restoration projects.	ECAN
	The Hurunui-Waiapu Regional Plan was made operative in December and decisions on the proposed Land and Water Regional Plan were notified. These plans fulfil statutory requirements to put in place environmental limits and address over-allocation.	ECAN
	As at 30 November the Crown had purchase agreements in place for 60.5 percent of the land required for the city's Anchor Projects. This includes the Bus Interchange (99%); Convention Centre Precinct (73.3%); Top of East Frame (99.8%); Central Library (74.1%); and the Justice and Emergency Services Precinct (92.2%).	CERA

ECONOMIC UPDATE

A bi-annual update on the economy of Christchurch, the 74 projects in the economic development strategy, along with some economic forecasts from the CDC team.

Details: 8am, Tuesday 27 May 2014. For more information email: samantha.sellars@cdc.org.nz



Keeping The City Competitive



Achievements

PRIORITY	ACHIEVEMENT	LEAD AGENCY
	Cabinet has agreed to provide capital funding of \$18.9m to CPIT to expand its trade training facilities, with payment to be made in two tranches of \$9.45m. The first tranche payment was received in early December.	TEC
	The southern arm of the Health Hub is operational, serving both the Canterbury District Health Board (CDHB) and Canterbury industry involved in the Health sector.	CDHB
	Sensing City's second pilot project, launched in Christchurch in December 2013 by Ministers Joyce and Brownlee, is a Health Informatics project that will use commercially available, easy to deploy and relatively low-cost technology to create more granular environmental and individual health data than is currently available.	SENSING CITY
	A business case for the pilot plant for New Zealand Food Innovation South Island has been submitted to MBIE.	MBIE & CDC
	The Council's Director of Building Control and City Rebuild Peter Sparrow has taken up his role, along with the appointment of six Unit Managers who oversee a new structure for the Building Control Group.	CCC
	A group of representatives from the six largest councils in New Zealand (including Christchurch) has produced a set of Business Friendly Guidelines. The Guidelines will be launched at the next Metro Mayoral Forum.	LGNZ
	Consent has been granted subject to conditions for the Southern Motorway Stage 2, to extend the Motorway to (join State Highway 1) just south of Templeton and four-lane the State Highway to Rolleston.	NZTA
	The Land Use Recovery Plan (LURP) has been finalised and came into effect in December 2013. The Plan amends the Regional Policy Statement to describe the priority development areas over the next 10-15 years. It also describes the key infrastructure investments to be made to support such development, and also contains statutory provisions to enable brownfield development and intensification within existing urban areas.	ECAN
	As at 31 December 2013: Completed 341 SCIRT projects worth \$276.3m; Laid 44 km of fresh water pipe – that's 64 per cent of the freshwater damage repaired; Laid 258km of wastewater pipe – 39 per cent of the damage; Laid 14 km of stormwater pipe – 52 per cent of required repairs; Laid 341,419 square metres of road pavement. That's only 26 per cent of the work to be done. Another 112 SCIRT projects worth \$582m are underway.	SCIRT
	A Digital Leaders Forum (DLF) has been established for the Canterbury region to ensure we have a stakeholder-led approach to our Digital Strategy. The first meeting of the Forum was held in November 2013.	CDC & ENABLE
	China Southern Airlines charter secured for the Chinese New Year. Fiji Airways adding more capacity to Christchurch, with direct onward access to Hawaii and LAX.	CIAL
	The Government has approved a capital investment of \$260m to support the rebuild of the University of Canterbury's Science and Engineering facilities.	TEC
	During 2013 five central-city hotels and one apartment complex opened. In 2013 an average of eight new cafes, restaurants and bars opened each month. The number of hospitality premises operating in Greater Christchurch now stands at 838.	CCT

Complete Projects

	Establish the southern delivery arm of the National Health Innovation Hub.	CDHB
	Develop a set of guidelines for Business Friendly Cities, based on the Core Cities research, to assist in benchmarking and information-sharing between cities to improve council services.	LGNZ
	Prepare a Land Use Recovery Plan (LURP) to provide certainty about future land use patterns in Greater Christchurch.	ECAN
	Reduce the barriers for local construction SMEs wanting to form collaborative agreements to build scale and compete for large projects during the rebuild, and develop best-practice guides for collaborative arrangements (ERP7).	CECC & CDC
	Develop an integrated domestic and international terminal at Christchurch International Airport.	CIAL

CHRISTCHURCH INTERNATIONAL AIRPORT

Christchurch Airport taking off.

One year ago, the new integrated terminal at Christchurch International Airport was completed and officially opened, to widespread praise from visitors and awards from industry peers.

The terminal was four years in development, longer than expected through 11,000 earthquakes and three "once-in-a-hundred-years snow storms" and Chilean volcanic ash clouds. Despite all that, the project was completed on the budget set in 2009.

Passenger numbers were dented by the 2011 earthquakes, with the airport losing about half a million passengers a year, through the city losing facilities and events which used to bring in large groups of domestic and international visitors. A good example is the impact of losing the convention centre, which prior to the earthquakes Christchurch had a 40 percent market share of New Zealand conventions.

However, passenger numbers are slowly but surely heading back in the right direction.

February 3 was a red-letter day for the airport, with the arrival of the first China Southern Airlines flight. The direct flight from Guangzhou brought 228 Chinese visitors to celebrate Chinese New Year in the South Island and marked the first time a Dreamliner has flown commercially to Christchurch, highlighting the increasing numbers of Chinese visitors choosing the South Island over the north.

New Chinese travel regulations have prompted a short-term dent in the overall number of Chinese tourists coming to New Zealand, though those who do come are staying longer to experience the South Island, which is outperforming the rest of the country, according to Tourism New Zealand.

Christchurch Airport Chief Executive Malcolm Johns says the company's 'Welcome China' strategy is focused on building international arrivals from China to New Zealand via Christchurch.

"It is a fact that the number of Chinese visitors to the South Island of New Zealand continues to grow, out-performing the national trend," says Mr Johns.

"Over the past decade, the South Island has been the brand engine room for New Zealand in China. Images of our breath-taking scenery – mountains, lakes, wide blue skies, green open spaces and adventure-based culture – attract Chinese travellers, which is good for the whole country.

"Over the past couple of years, the number of Chinese visitors visiting the South Island has grown substantially. Over the past year, there was a 72 percent increase in Chinese tourism expenditure in the South Island, which can only mean mutual economic benefit. We are working hard to continue to deliver increasingly high levels of visitor satisfaction and deliver Chinese visitors directly into the heart of New Zealand's brand imagery."

New statistics reveal recent records set at Christchurch Airport – total passenger movements recorded the best December since 2009 and a record month for domestic passenger movements, better than any single month since March 2010. The week ending December 22 was the busiest the airport has had for total passenger movements since immediately after the



New Christchurch International Airport terminal

major 2011 earthquake. January 2014 was the busiest month for international passengers in two years.

Mr Johns says Christchurch Airport's growth is a key pillar of tourism recovery in the South Island.

"Benefits go beyond just tourism, as many industry sectors benefit from improving volumes and increasing access to the island via the airport – airfreight users and the education sector, for example. Christchurch Airport is very focused on seeking the right partners, in the right places to drive growth," he says.

"The recent additional flights from Perth and Singapore, as well as Japan charters, have added to increased volumes. Overall, aircraft are fuller than last year too, adding to the increase."

In the first year of the new terminal's operation, the airport has welcomed new services – Christchurch to Perth direct; summer charters from six different Japanese cities; Singapore Airlines double daily services across much of summer; and a new Christchurch to Kapiti service.

The successes continue. As well as numerous awards, quarterly results of

an independent international passenger survey show Christchurch Airport to be the best airport in Australasia for the past nine quarters – including five when the terminal was a construction zone.

To learn more about Christchurch International Airport, visit www.christchurchairport.co.nz ■



CHRISTCHURCH ECONOMIC DEVELOPMENT STRATEGY



Develop an integrated domestic and international terminal at Christchurch International Airport

100% COMPLETE

China Southern Airlines arrivals, February 3, 2014

REBUILD IN THE REGION

This section focuses on the region's key public-owned assets and how they are progressing with rebuild and redevelopment plans. In this edition, we shine the spotlight on Canterbury District Health Board; University of Canterbury; and Lincoln University.

BIGGER AND BETTER CANTERBURY DHB HEALTH FACILITIES AND SERVICES STARTING TO TAKE SHAPE

There are some exciting projects in the pipeline as Canterbury DHB continues to work towards improving facilities and services for over 500,000 people who count on us.

The CDHB worked quickly after the 2010 and 2011 earthquakes, which critically damaged a number of its 200 buildings, including 12,000 hospital rooms, to open a new Acute Medical Assessment Unit, two new wards and an outpatients building. About \$120 million has been spent on repair works and new projects to date.

The elderly and those needing rehabilitation services will be big winners next year when the first of the ward blocks in the redevelopment of

Burwood Hospital are completed.

The work at Burwood, combined with the redevelopment of Christchurch Hospital, is New Zealand's largest ever health-related building project, which will cost in total more than \$650 million.

Progress to date at Burwood includes the demolition of some buildings, creation of new carparks and addition of a temporary main entrance and reception.

Work is on track for the redevelopment of Christchurch Hospital, which is set for completion in 2018. A design and project management team has been appointed to complete designs for the new facilities, gain consents and clear the way for construction. The

redevelopment will include an acute services building with operating theatres and inpatient beds; a helipad; an expanded intensive care unit; purpose-designed space for children; a new Emergency Department; Assessment Units; and a Radiology Department.

Works planned for facilities around the region include redevelopments at Kaikoura, Rangiora, Hillmorton, Akaroa and Ashburton.

To learn more about the Canterbury DHB, visit www.cdhb.health.nz ■

Canterbury
District Health Board
Te Poari Hauora o Waitaha



Artist impression of the proposed new entry to Burwood Hospital

BUSY YEAR FOR UNIVERSITY OF CANTERBURY

The University of Canterbury (UC) is embarking on a period of transformation as it takes advantage of the opportunities created by the earthquakes of 2010 and 2011 to redevelop its campus.

Following the Government's commitment to invest up to \$260 million in the University, remodelling and remediation has stepped up a notch. Remediation work on the History and the Business and Law buildings, Ilam Homestead and Central Lecture Theatres has been completed.

Over the summer break the Science lecture theatres were demolished to make way for a new Regional Science and Innovation Centre, which will position UC as an international centre of excellence in science. Planning

has also begun on the expansion and modernisation of College of Engineering facilities.

Vice-Chancellor Dr Rod Carr says the projects will not only transform the University's learning environment, but will also enhance the University's continued support of the renewal of Christchurch.

To learn more about the University of Canterbury, visit www.canterbury.ac.nz



Artist impression of the proposed Regional Science and Innovation Centre

LINCOLN UNIVERSITY MOVES WITH THE TIMES TO EMBRACE CHANGE

As New Zealand's specialist land-based university, Lincoln is involved with the sectors that sit at the very heart of the New Zealand – and Canterbury's – economy. Recently, this long-established institution has been making some changes.

This year the university is teaching a new range of bachelor's degrees that focus on the specialist knowledge and skills needed for careers in the land-based industries. Work is also underway on reforming the vocational and post-graduate qualifications. All these new qualifications are highly relevant to industry – and address the bigger issues facing the world

around food production, commerce, environmental impact and living well on our planet.

In 2013 an announcement was made regarding the development of a world-class hub at Lincoln – a partnership between five founding organisations: Lincoln University; AgResearch;

DairyNZ; Landcare Research; and Plant and Food Research. 2014 will see development of this global centre for research and education excellence.

Lincoln's new research strategy will also commence implementation in 2014.

To learn more about Lincoln University, visit www.lincoln.ac.nz ■



New Zealand's specialist land-based university

New Restaurant and Function Centre at Lincoln University

SMARTER CONSENTING

Strong leadership means smart decisions for building consents.

Christchurch City Council's Building Control Group has a strong focus on the needs of commercial building consent customers.

Director Building Control and City Rebuild Peter Sparrow says the new management and team structure implemented in January means the Council has the best Building Control team possible for making smarter decisions.

"All hands are on deck as we count down to the IANZ accreditation assessment starting in mid-July. Our journey to accreditation by the end of this year won't always be smooth but we have everything in place to get the job done."

A team dedicated to the needs of commercial customers is focused on facilitating the build of an economically

robust city which provides great places to live, work, visit, invest and do business.

Improved forecasting systems are helping the team to effectively allocate resources in the face of huge volumes of earthquake-related commercial building consents, he says.

"We are realistic about the challenges – we're not chasing a quick fix but we take our responsibility to the commercial sector extremely seriously."

A proactive national and international recruitment drive has brought the right people to the team. An increasing number of mostly residential consents are also outsourced to external Building Consent Authorities across New Zealand. This frees up our expert staff to liaise closely with commercial customers, particularly on complex commercial projects.

Watch a video of Peter Sparrow talking to potential investors at www.ccc.govt.nz/bcactionplan ■



Director Building Control and City Rebuild Peter Sparrow



TOP BUILDING CONSENT TIPS FOR COMMERCIAL REBUILD CUSTOMERS

Rebuild Liaison Manager Sharon Threadwell (left) and Commercial Consents Manager Leonie Rae will become familiar faces in the commercial and construction sectors in 2014.



Rebuild Liaison Manager Sharon Threadwell

Top Tip: "Make good decisions about choosing suitably experienced professional agents for your project. Complex decisions may be needed in areas such as change of use, meeting new requirements for structural strengthening and requirements for specialist systems. It's important that your professional provides an application that has clear, complete and clean information that shows how requirements will be met."

Commercial Consents Manager Leonie Rae

Top Tip: "Come and see us before you start your concept drawings and have an upfront discussion about how we can help you understand areas such as accessibility and fire, where you may require guidance before you and your professional provide an application. If you have a planned schedule of works for your project we're really keen for you to share that with us at these early discussions so we can begin to plan how we will allocate our resources."

For general building consent information visit www.ccc.govt.nz/goahead ■

TECHNOLOGY AND THE PRIMARY SECTOR

A 2014 Perspective.

Those in New Zealand's primary sector have often been hailed as early adopters of new management techniques and tools that improve productivity and efficiency in production systems, together with creating opportunities for time and cost savings.

This trend continues as a range of precision agriculture technologies is now available to producers. These cover a multitude of tasks to help farmers improve yields, decrease inputs and reduce costs further. In addition, the capture of data from a range of sources on the farm – or 'aginformatics' as it is sometimes called – allows management decisions to be made with much greater accuracy than may have been the case in the past.

These data sources are enabling producers to act on variances within their farm operations and this is leading to much more accurate placement of inputs such as water, seed, fertiliser and chemicals, leading to more sustainable production management and a lower overall environmental footprint.

'Right place, right time, right amount' is becoming the new mantra for many farmers as they manage their inputs in their various production options on the farm, orchard or vineyard.

This means that primary production is becoming a much more technical business. There is a growing interest in gaining knowledge and the implementation of technologies that support farmers in their day-to-day operations. Coupled with increasing areas of irrigated land in Canterbury and the requirements of the Canterbury Land and Water Regional Plan (CLWRP), we see a drive towards more technology being implemented in the sector as production specifications

change and greater input management requirements are brought about to comply with the CLWRP.

Measuring more parameters and translating more data into useful information is improving productivity and efficiency for many producers. The impact can have a significant effect on cost reduction, improved crop and animal management benefits, as well as the adoption of sustainable management practices. For example: the growing interest in robotic milking systems in the dairy industry; soil mapping to understand accurately the different soil types and nutrient requirements to achieve optimum yields; and new pasture varieties and crops to provide for a wider range of animal nutrition requirements, leading to increased farm productivity. More and more these days, consumers are demanding traceability (being able to look back to the point of origin) in their food. This trend is driving technology implementation in food processing systems as well. Improved food safety and food quality are positive benefits that are gained from further technologies becoming the norm throughout the entire food value chain.

An increased focus on technology means a need for additional education and training to support the changing paradigm for the primary sector. Canterbury Development Corporation (CDC), through its Workforce Strategy initiatives, is highlighting this to the sector and implementing actions to help ensure there is enough skilled people.

Another initiative is the establishment of the Precision Agriculture Association of New Zealand (PAANZ), which CDC has been instrumental in supporting. PAANZ is a member organisation and one of its objectives is to support the development and implementation of

precision technologies in the primary sector. Membership to date includes farmers, researchers, rural service companies, CRIs (Crown Research Institutes) and tertiary organisations.

As more of the available and emerging technologies become part of the New Zealand primary production system, a good-news story about how New Zealand products are sustainably produced and the merits of our world-class food safety system can be shared with our customers and consumers.

To learn more about PAANZ, visit www.precisionagriculture.org.nz ■

EMPLOYMENT TOOLBOX

Look out for a new online Employment Toolbox with information to help employers recruit and retain staff. These resources will begin to be made available soon at www.cdc.org.nz.

The toolbox will contain:

- An online library where employers can freely and easily access images, case studies and video footage to use in their own recruitment activity
- Manufacturing and Technology sector profiles that show the depth, breadth and connectivity of these vital Christchurch sectors
- A Christchurch City profile that shows what a great place this is to live, work and play
- Staff recruitment and retention tips for employers
- Access to resources that will help your new workers get settled

FAST BROADBAND

Maximising the benefits for Canterbury.

Do you wish you could work faster or more efficiently? Communicate with customers globally without worrying if Skype will perform? Improve employee relations? Save money on travel?

The Christchurch Economic Development Strategy (CEDS) identified fast broadband and the establishment of a Digital Leaders Group as integral initiatives to keep Christchurch competitive globally. The Canterbury Digital Leaders Forum (DLF) is being set up to ensure a stakeholder-led approach. The DLF represents the whole Canterbury region, with board members coming from economic development agencies (including Canterbury Development Corporation, or CDC), councils, infrastructure providers and the Canterbury Employers' Chamber of Commerce (CECC). The Digital Office

is assisting with consultation and the development of a Digital Strategy.

Why? Businesses using fast broadband to improve productivity and reduce costs drives an increase in GDP, bringing benefits for the whole community. The DLF is therefore seeking to accelerate the uptake of fast broadband across the region, so we get the benefits even sooner.

The Government is driving the roll-out of fast broadband infrastructure. It contracted companies nationwide to lay cable and connections to schools, health premises, businesses and homes, so ultra-fast broadband will reach 75 percent of New Zealanders by 2019. The Rural Broadband Initiative (RBI) aims to bring fibre connections to all hospitals and 93 percent of rural schools, as well as high-speed broadband to other premises in harder-to-reach areas by the end of 2015, at prices and levels of service comparable with urban areas.

Between February and April this year the DLF met with representatives from across the region in the education, health, business, rural, community and tourism sectors. The aim was to understand the opportunities and impediments for the uptake of fast broadband. This includes how people access it; what they use it for; what skills and knowledge they have. This consultation was carried out several ways, including through workshops, meetings, surveys and social media.

The Digital Strategy and Action Plan is due to be launched in July. This will provide a clear vision of what a 'connected' region could look like and how to get there.

To follow the Digital Strategy and Action Plan, go to the Canterbury Digital Strategy LinkedIn and Canterbury Digital Leadership Facebook groups ■

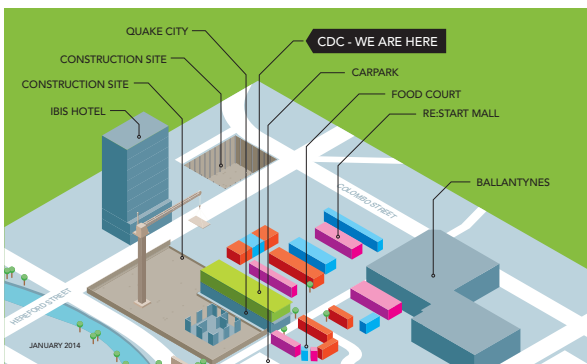
Come and celebrate our Heroes!
NZ Hi-Tech Awards Gala Dinner.



Friday 16th May Air Force Museum, Wigram, Christchurch.

To order your tickets now go to www.hitech.org.nz





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