



Commentary

Training

We are pleased to advise the next seminar series of training workshops being held in conjunction with Viking NZ and AON. These events are scheduled to take place on **May 4th to 8th** and will be held throughout the main centres as a full day programs.

Further event details are enclosed in the newsletter. To register, visit <http://www.fireprotection.org.nz/whats-on/seminars>.

The Fire Alarm Equipment Register



We have been reviewing and updating records with the manufacturers and suppliers here in Australia and NZ who are involved in the Fire Alarm/Detection space. This register has been in existence for many years and forms part of the process for installation companies to certify that they have utilised the appropriate approved detection equipment.

This allows the inspectorate agencies to include the listing numbers on their certificates of compliance as well.

The fully updated register will be available mid May and will be online and available as a member benefit with no associated charge to access it. This will be available on the FPA NZ website and will also be sent out to all financial Individual/Corporate members via email, so let us know if you need to gain access to it.

FireNZ 2015

The Exhibitor Prospectus will be released in April along with the key sponsorship packages available for 2015. We are pleased to offer up more opportunities for exhibitors and sponsors to get more exposure this year. We expect the event in Wellington will be a great opportunity to profile your business.

Membership

We are now moving forward to looking ahead at next year's membership. If you have any questions about renewals or your membership status under the new structure, please feel free to contact one of the team on 09 414 4450. Renewals of the 2015/2016 subscriptions will commence in May 2015 with invoicing being completed in June to all members.

FPA NZ Listings

The Association also publishes a number of listings pages in our newsletter and on our website, these include the following:

- FPA NZ Certified Evacuation Consultants;
- FPA NZ Certified Fire Alarm Contractors;
- FPA NZ Fire Extinguisher Service Agents; and
- AON Listed Sprinkler Contractors.

With the recent membership renewal process, all details have been checked as we have received the membership application forms back. **Please take the time to double check your details** in the listings and contact us if we need to correct anything to do with these listings. As a side note the AON Listed Sprinkler Contractors list is provided to us and published on behalf of AON.

We will be adding to these listings over time to also provide details of FPA NZ passive installers and suppliers as well a list of FPA NZ Inspection providers as part of our drive to lift industry standards and identifying gaps in supporting our membership base. We at FPA NZ receive a lot of requests for recognised industry suppliers and this is a great mechanism to promote a professional, ethical membership base.

FPA NZ People

I am pleased to announce we have a new staff member joining us next week in the FPA NZ office. **Amelia Lowe** will be replacing Jenna Vine as our administration and events coordinator.

After several months of planning, Jenna is moving to Europe to continue her career on a super yacht as a stewardess, and leaves us on May 1st after 12 months loyal service. Jenna will be sorely missed with her bright personality and wiliness to go the extra mile to help create a great place to work and look after our membership.

Amelia comes to our organisation after working for Mercedes Benz for over 2 years as a Business Services Coordinator, and holding a variety of other roles within office administration and team leader positions.

Outside of work she has a direct involvement in Surf lifesaving and is a social committee member. Welcome aboard Amelia.

Enjoy the read and stay safe

Keith Blind, Executive Director, FPA NZ

APRIL 2015 ISSUE

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FPANZ Passive Group Update

Author **Ron Green** – Passive Group Chair

Since the last newsletter the FPA had discussions with BRANZ and other interested parties regarding the development of a passive Code of Practice. The project will officially commence mid to late April and with an intended completion date for the document later in 2016 followed by a national workshop. The FPA was able to present what it has produced so far which will be of assistance for the project team. We will provide any worthwhile updates during the project.

Inspections of Fire and Smoke Separations SS15 / c and SS15 / e

Many FPA members undertake IQP inspections of Fire and Smoke Separations as part of the BWOF Regime. However many members (IQP's) are leaving tenants / users of the building, themselves and the company they represent vulnerable by not inspecting fire separations correctly. Here are a few questions for you to answer and hopefully get you thinking have we got gaps in our inspections/processes?

1. **Do you have a copy of the Compliance Schedule?** if not obtain one from the owner or Council. How can an IQP legally sign a Form 12A if they don't have the Compliance Schedule?
2. **Check the Compliance Schedule to see if it reflects the Specified Systems and what you are inspecting / frequency** and if not change it using a Form 11. For example what frequency are you checking fire separations? are you checking them 6 monthly. Wow did I just say 6 monthly! Yes many Compliance Schedules require an IQP to undertake a 6 monthly inspection. If you don't have a copy of the Compliance Schedule and have signed the 12A then you may have falsified a legal document! So obtain a Compliance Schedule and READ THEM.

On many Compliance Schedules (in Auckland at least anyway) it still states that IQPs are to check surface finishes like we did in the olden days of the CS Inspections (well not so long ago!) so again read the Compliance Schedule. If its on their fill in a Form 11 and remove this requirement.

Exactly what fire separations are you checking? are you checking riser cupboards which mostly are in the means of escape? if not I suggest you do which will mean you will need a key. Are the riser cupboards horizontal or vertical fire separations?

Do you check a selection or all walls above fire rated doors in corridors (were possible with access tiles/hatches) if not why as there are many penetrations through these fire separations.

3. **Do you have a copy of a fire report and have you read it?** If not, obtain one as it is really important and is the second thing you should ask for after the Compliance Schedule.

The above is not an exhaustive list, however I hope you get the message. Compliance Schedules are site specific and you have to write what you are inspecting annually and what you want the monthly inspections to consist of as the IQP will be signing the 12A based on the Compliance Schedule.

COMPETITION TIME!

Below is a picture of a fire rated damper, however it has a few issues!

While this is extreme I see many extreme situations that leave an IQP and more importantly the tenants/users of the building at risk should a fire occur.



Question: If you are an IQP and this damper was part of the Means of Escape from fire, would you sign the 12A, as your company has signed the 12A for the previous 4 years?

E-mail me with what you would do and why and I will send a small prize to the one who has the best answer (in my opinion). ron@bcfc.co.nz

HOFFE Survey Project

Author **Lance Hunt** – HOFFE SIG Group Chair

Hello all. We have started the 2015 calendar year with a good up swing of survey numbers from the industry.

To keep this momentum going we will be taking a HOFFE Survey Meeting to Christchurch on Wednesday 13th May from 7-30am – 9-30am at the NZFS offices: 91 Chester Street East. Please note: parking is only available on the street. We would like to see the Fire Equipment Industry Service Providers attend.

We will have an update on the survey progress and answer any questions you may have on the initiative, as well as an update from Keith Blind and Lance Hunt on the progress of the HOFFE Special Interest Group.

Please RSVP to FPANZ: jenna@fireprotection.org.nz



New Retention Regime in 2016

Author **Peter Degerholm** MM (Disp Res) Reg QS FNZIQS FAMINZ (Arb/Med) MRICS
- Calderglen Associates Ltd

The Government has finally introduced the long-awaited retention regime as the final step in the Construction Contracts Act amendments.

At the time of writing the legislation had not been passed, but the following is set out in a Supplementary Order Paper:

- The retention regime will apply only to commercial construction contracts, above a minimum amount prescribed in regulations.
- Under the Act any amount withheld as security for defects in the performance of a party's obligations under a contract will be treated as retentions.
- A payer can only use retentions to remedy defects in a payee's performance obligations under the contract.
- Retention moneys above a prescribed minimum amount will be required to be held "on trust" for the benefit of the payee. The trust status of the retention money will end when the money is paid out, given up by the payee, or is no longer payable under the contract such as when the retentions have been used to remedy defects.
- Retentions are not required to be held in a separate trust account, and may be invested, but payers will be required to keep proper accounting records of retention money, and make those records available to payees.
- Interest will be payable on overdue retentions, at a rate to be set by regulation.
- Importantly, any money held as retentions will not be available for the payment of debts of any creditor if a payer goes into liquidation. In that event a payee from whom retentions have been deducted will have first call on retention money in the event of the payer's liquidation.

The retention provisions will only apply to new contracts from 31 March 2016, providing a one-year transition period for industry to make whatever changes are necessary to processes, procedures and contracts. Other changes in the Amendment Act affecting payment claims, enforcement and adjudication will apply from 1 July 2015 subject to the Amendment Bill being passed in time.

The retention regime does not mean the end of retentions, or that retentions will be safe and secure. It provides a statutory structure and process to ensure retentions are properly withheld and released when due. It will fundamentally affect the way that the industry deals with progress payments, retentions and surety for performance, and even the traditional industry funding arrangements, and not everyone will be pleased.

The industry collaborated in bringing the retentions issue to a head, and must continue working together to identify and address the many issues that will arise out of the legislation that has been handed down. This will include reviewing industry payment practices, forms of contract, and the way that retentions are tracked in accounting systems.

We have needed retentions because the industry still produces too much defective work. The best way to reduce the industry's reliance on retentions is to focus on ensuring that construction work is properly designed and defect-free.

A copy of the Supplementary Order Paper may be downloaded [HERE](#)  [CLICK TO OPEN LINK](#)

When passed the Amendment Act legislation will be available at www.legislation.govt.nz. 

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London Hotel gets £200,000 Penalty for Violating Safety Rules

This particular incident has come to our attention. Although this occurred in the UK, who is to say that our legislative bodies will not go down a similar path in the future. Something to think about.

The former owner of a Bayswater hotel has been hit with London's biggest ever fine for an individual for violating fire safety rules.

London Fire Brigade said guests' lives were put in jeopardy due to the shoddy conditions which were discovered inside The Radnor Hotel during an inspection in 2011.

It brought charges against then-owner Salim Patel, who was fined £200,000 after a successful prosecution. In addition to the six-figure fine, Mr Patel was ordered to pay nearly £30,000 in court costs after pleading guilty to seven offences under the Regulatory Reform (Fire Safety) Order 2005. He was also handed a four-month prison sentence, suspended for 18 months, the London Fire Brigade said.

Fire safety officers were stunned when they toured the six-floor, 18-room hotel, on Inverness Terrace, to carry out a routine inspection. They discovered numerous fire safety breaches, including inadequate fire detection systems, blocked emergency exits and inadequate emergency lighting.

Fire doors were missing or tied open with extension cords or string, there was evidence the basement store room was used for sleeping, and the owner had not conducted a fire risk assessment.

Mr Patel was given an enforcement notice, which required him to address the safety concerns to make the hotel safer for guests, but follow-up visits found that no action had been taken, the London Fire Brigade said. The hotel continued to operate without a working fire detection system, so court proceedings were launched against the hotelier.



Fire doors were missing or tied open with electrical cords or string.

When Mr Patel was sentenced Judge Kennedy said the public expected 'absolute attention' to fire safety when occupying sleeping accommodation. The judge told court that Mr Patel did not provide that protection and, as a business owner, he was where the 'buck stopped', the London Fire Brigade said in a statement.

Neil Orbell, head of fire safety regulation, said he hopes the penalty serves as a deterrent for other hoteliers. He said: 'Our fire safety officers carry out around 16,000 inspections every year to help ensure the capital's buildings are safe from fire.'

'This is the biggest fine we have ever secured against an individual for breaking fire safety laws and it should send a message to all business owners that if they are shirking their fire safety responsibilities and putting the public at risk we won't hesitate to prosecute. The size of the fine should also serve as a stark reminder that the court's take fire safety just as seriously as we do.'

A spokesman for the London Fire Brigade said Mr Patel no longer runs the hotel and it is under new ownership.

Guests complained about the conditions in a series of scathing reviews on TripAdvisor, where The Radnor Hotel had a rating of two stars before it closed.

Of 92 reviews, 59 were filed under 'terrible'.

Helen, from Australia, wrote in August 2012: 'We were a little alarmed at the fire emergency plan which was printed straight off the internet and put up without being filled in. We drew comfort from the fact the place has not burned down yet.'



The hotel on Inverness Terrace is now under new ownership

National Certificate now IQP Requirement for Fire Protection

Author **John Stevenson** - Competenz

A National Certificate in Passive Fire Protection (PFP) is fast becoming a requirement of registration as an Independent Qualified Person (IQP) with regional councils across New Zealand.

"People are really starting to see the value of this qualification," says John Stevenson, account manager for fire protection at Competenz, which helps develop skills for industry. "It is now required by Auckland Council for both new and reapplying IQPs, because it clearly demonstrates your knowledge of passive fire protection."

The National Certificate in Passive Fire Protection (Routine Inspections), Level 3, is designed for people who want to be recognised as an IQP for routine inspections and ongoing PFP compliance in buildings under the New Zealand Fire Code.

Currently one of eight fire protection qualifications provided by Competenz, the national certificate combines the principles of fire science with the skills and knowledge of PFP. This aims to contain or slow the spread of fire by compartmentalising buildings, using fire resistant walls, floors, doors, ceilings and roofs.

"As part of the programme, we look at the fire development process and the effects of heat and smoke on human physiology. We also cover the organisations and documentation relevant to New Zealand's fire protection industry," says Stevenson.



John Stevenson (right), account manager for fire protection at Competenz, with a learner at Fire Security Services Ltd.

Learners achieve a National Certificate in Passive Fire Protection by completing the required 45 credits within 12 months. Developed by Competenz, on the job training is complemented by correspondence work delivered by Firetech Training Ltd.

Competenz and Firetech Training Ltd will share an exhibition space at the annual Building Officials Institute of New Zealand Conference and Expo, to be held at SkyCity Convention Centre in Auckland, 19 to 22 April, 2015.

"Come and talk to us about how we can help you gain a National Certificate in Passive Fire Protection," says Stevenson. "We're all about helping industry to grow skills and making it easy to learn on the job."



Fire Protection Association New Zealand

NEWSLETTER



Advertising Rates 2014-15

We are pleased to offer the following rates for those members who are interested in newsletter advertising.

	Casual	3 Issues	6 Issues +	Dimensions (H x W)
Full Page.....	\$1050.00	\$1000.00/issue	\$945.00/issue	25cm x 18cm
1/2 Page.....	\$900.00	\$845.00/issue	\$810.00/issue	12.5cm x 18cm
1/3 Page.....	\$750.00	\$705.00/issue	\$675.00/issue	8.4cm x 18cm
1/4 Page.....	\$600.00	\$560.00/issue	\$540.00/issue	6.3cm x 18cm
1/8 Page.....	\$500.00	\$470.00/issue	\$450.00/issue	3.2cm x 18cm

SPECIAL OFFER!!!

For a LIMITED TIME ONLY we would like to offer an advertising special for FPANZ members. Please see the special rates below.

SPECIAL FPANZ MEMBER RATE:		3 Issues	Dimensions (H x W)
Casual			
Full Page.....	\$500 per month	3 months total \$1500	25cm x 18cm
1/2 Page.....	\$250 per month	3 months total \$750	12.5cm x 18cm

if you have any question or would like to advertise please contact us on fpanz@fireportection.org.nz

FPANZ EVENT SCHEDULE 2015

Event Schedule April - July 2015

19th - 22nd April 2015	BOINZ - Akl Conference	Auckland
20th April 2015	HOFFE Group SIG Meeting	Auckland
22nd April 2015	Evac Group SIG Meeting	Auckland
23rd April 2015	Inspection Group SIG Meeting	Auckland
24th April 2015	Northern Region Contractors SIG Meeting	Auckland
29th April 2015	Passive Group SIG Meeting	Auckland
4th - 8th May 2015	Seminar Series: Innovate your Business	Nationwide
14th May 2015	National Council FPANZ Board Members Meeting	Christchurch
8th - 12th June 2015	Seminar Series Training: TBA	Auckland
15th June 2015	HOFFE Group SIG Meeting	Auckland
16th June 2015	Passive Group SIG Meeting	Auckland
17th June 2015	Evac Group SIG Meeting	Auckland
18th June 2015	Inspection Group SIG Meeting	Auckland
19th June 2015	Northern Region Contractors SIG Meeting	Auckland
16th July 2015	National Council FPANZ Board Members Meeting	Auckland
20th - 24th July 2015	Seminar Series Training: TBA	TBA
17th August 2015	HOFFE Group SIG Meeting	Auckland
18th August 2015	Passive Group SIG Meeting	Auckland
19th August 2015	Evac Group SIG Meeting	Auckland
20th August 2015	Inspection Group SIG Meeting	Auckland
21st August 2015	Northern Region Contractors SIG Meeting	Auckland
17th September 2015	National Council FPANZ Board Members Meeting	Auckland
21st - 25th Sept 2015	Seminar Series Training: TBA	TBA
14th - 15th Oct 2015	FireNZ Conference 2015	Wellington
16th October 2015	SIG Meetings: Passive, EVAC, Inspectios, Northern Region Contractors Groups	Wellington
6 November 2015	FPANZ Golf Day	Auckland
9th - 13th Nov 2015	Seminar Series Training: TBA	TBA
19th November 2015	National Council FPANZ Board Members Meeting	Wellington

National Certificate in Hand-Operated Fire Fighting Equipment (Level 3)

FPANZ, the Fire Protection Association of New Zealand, is working with the fire protection industry and Ministry of Business, Innovation and Employment to make hand-operated firefighting equipment (HOFFE) compulsory for property owners seeking building warrants of fitness.

This change will increase the demand for qualified technicians who can show that they have the skills and knowledge needed to survey, select, install, commission and maintain HOFFE.

CREDITS: 124

DURATION: 24 MONTHS

Who this Qualification is Intended for:

People in the fire protection industry whose work involves surveying, selecting, installing, commissioning and maintaining hand operated fire-fighting equipment.

Skills & Knowledge Gained:

Graduates will gain skills and knowledge in these areas:

- Principles of fire protection
- Engineering measurement
- Fire extinguishers and fire hose reels
- Health and safety, including first aid and resuscitation
- Trade mathematics
- Customer service
- Communications and report writing

Working Towards this Qualification

Learners do most of their learning on-the-job in the workplace. They also do some theoretical learning 'off-job', through training provider Firetech and by correspondence.

A Pathway to Learning

This qualification is one of eight fire protection qualifications that Competenz offers.

Graduates can continue to the:

- National Certificate in Fixed Fire Protection Systems (Level 4) and
- National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4).

They will also have a large number of credits towards the National Certificate in Fixed Fire Protection Systems (Level 4).

More Information

John Stevenson

Competenz Account Manager, Fire Protection

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Competenz
SKILLS FOR INDUSTRY

New Zealand

Housing and Construction Quarterly

March 2015



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The *New Zealand Housing and Construction Quarterly* provides quarterly data and analysis on the housing market, construction and social housing. This publication is produced by the Ministry of Business, Innovation and Employment (MBIE).

The report is available at: <http://www.dbh.govt.nz/sector-information>.

Highlights

Building consents rising

Dwelling consent numbers have bounced back from the previous lows in 2011, and are continuing to rise. Auckland and Greater Christchurch are the main reason for the increase in dwelling consents this quarter. Auckland had an annual growth in the number of dwelling consents of 21%, whereas Christchurch dwelling consents numbers grew by 31.8% over the same period.

Christchurch housing story not so straightforward

The growth rate of Christchurch rents has slowed, while dwelling consents have risen by 15% in the December 2014 quarter. House values have not reached their previous growth rates but continued to increase in the past 3 months. While short term volatility may continue, there is downward pressure on rents and prices over the medium term.

Massey Index shows housing affordability worsened over the December quarter

The Massey University housing affordability index, which measures the cost of servicing an average mortgage relative to average incomes, showed that housing affordability in Auckland worsened by 4.8% this quarter. The major contributing factor to this deterioration was the increase in Auckland house values. Housing remains significantly more affordable than in the late 2000s.



MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
HIKINA WHAKATUTUKI



The fall and rise of building consents

The annual number of new dwelling consents in the year to December 2014 for New Zealand was 24,717 - the highest annual total since July 2007. New dwelling consent numbers have rebounded from a very low level during the recession, when the annual number of consents fell to just over 13,000.

This increase in new dwelling consents was largely driven by increasing numbers in Auckland and Greater Christchurch. The annual number of new dwelling consents in the year to December 2014 for Auckland was 7,681 with a year-on-year growth of 21%. Annual new dwelling consent numbers in Auckland were at the lowest (3,244) in August 2009. Similarly, the annual number of new dwelling consents in the year to December 2014 for Greater Christchurch was 6,668, with a year-on-year growth of 31.8%. Annual new dwelling consent numbers in Greater Christchurch were at their lowest (1,703) also in August 2009.

While building consents have not reached the heights of 2004 (where 31,423 dwellings were consented), it is clear that building consents have recovered from the slump during the recession. However, despite building consents rising, they are now growing more slowly than before 2014.

The Christchurch housing story becomes more complicated

In the December 2014 edition, we reported that multiple indicators in Christchurch's housing market were all suggesting the market was cooling, with the growth rate in house values, rents and residential building consents all growing more slowly than in previous months.

However, the picture has grown more complicated in the past quarter, as the three housing indicators are no longer telling a consistent story. Rents in Greater Christchurch continue to slow, following a pattern of slowing growth rates since mid-2012. By contrast, the trend in the number of dwellings consented in Greater Christchurch increased by 15% between September and December 2014. House values have not rebounded to their previous growth rates, but have not slowed in the past 3 months.

These indicators don't present a clear picture of the housing market in Christchurch in the short term. The increase in consent volumes is most likely being driven by an increase in rebuilds that are over the EQC's \$100,000 cap, and other analysis by MBIE estimates that supply of housing is likely to catch up to demand in Christchurch around 2017. So while both prices and rents may continue to fluctuate in the short-term, over the medium term there is likely to be increasing downward pressure on both.

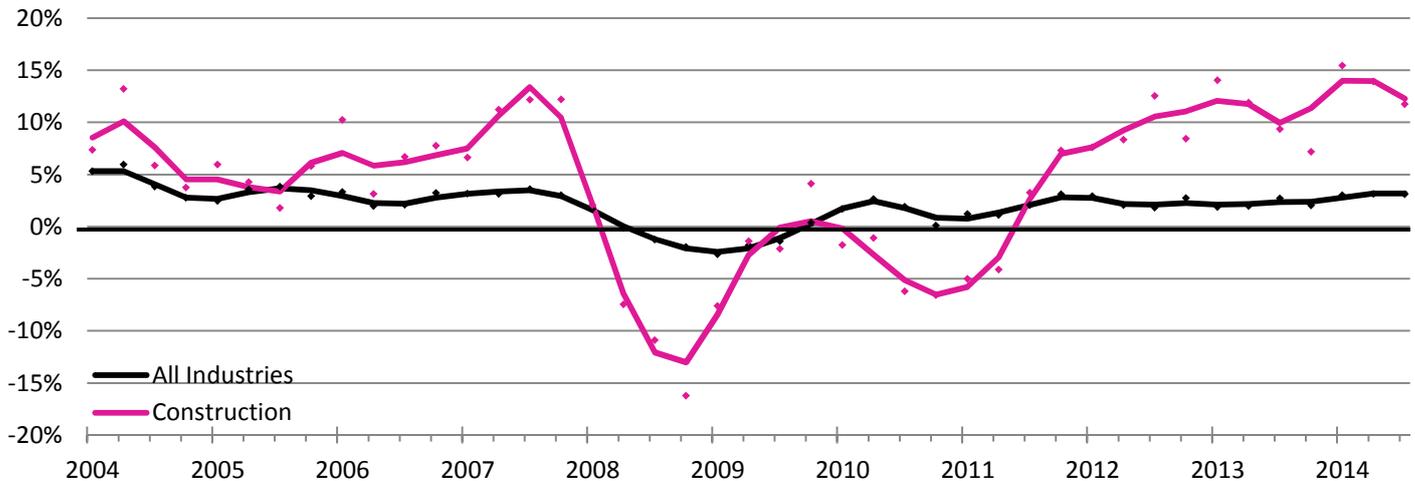
Massey Index shows that housing affordability in Auckland worsened over the December quarter

According to the Massey University housing affordability index, housing affordability in Auckland worsened by 4.8% this quarter. The Massey Index measures the cost of servicing an average mortgage relative to average incomes. Canterbury and Wellington regions also worsened, but at a lower rate (4.3% and 1.9% respectively).

Growth in house values in Auckland was the main driver of the degradation in affordability. The average house value in the region grew by 3.3% in the quarter ended December 2014, while interest rates have been relatively stable over this period.

Auckland house values followed a relatively consistent relationship with national house values until around 2013. Since then, Auckland house values have risen significantly faster than the rest of the country, widening the gap between Auckland's house values and those of the rest of the country.

Figure 11: Annual Change in Construction Sector Real GDP (%) to September 2014



Source: Statistics New Zealand, trends by MBIE

Between the June 2014 and September 2014 quarters, gross domestic product (GDP) in New Zealand grew by 1.0%. Construction GDP increased by 0.9% over the same period, while it grew 12.3% in the year ending September 2014, consistent with the growth in building consents.

Figure 12 shows that construction employment has increased by 2.2% between the June 2014 and September 2014 quarters. Employment growth across all industries continues to follow its upward trend since 2010.

Table 6: Gross Domestic Product

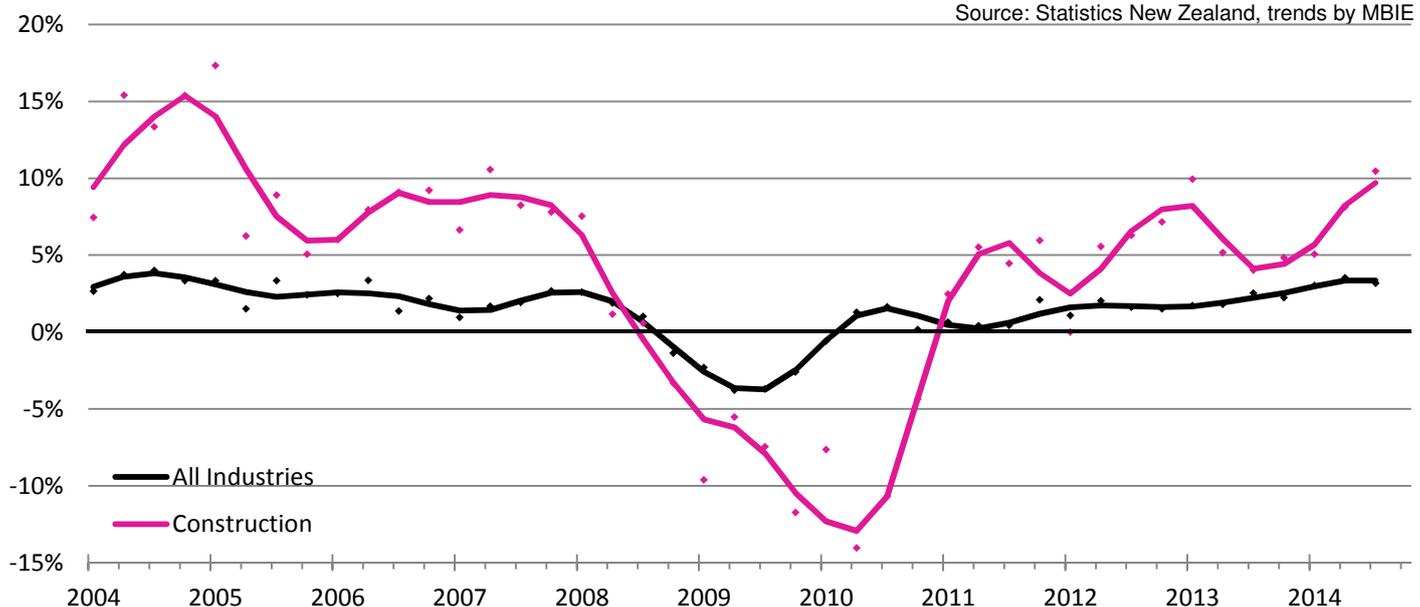
September 2014 Quarter	\$b	Annual Change*
All Industries	\$49.2	↑ 3.2%
Construction	\$3.7	↑ 12.3%

* Change in trend values

Table 7: Employment (QES)

September 2014 Quarter	people employed	Annual Change*
All Industries	1,420,100	↑ 3.3%
Construction	108,800	↑ 9.7%

Figure 12: Annual Change in People Employed (%) to September 2014



Source: Statistics New Zealand, trends by MBIE

Residential Construction

Figure 13: New Dwellings Consented to December 2014

Source: Statistics New Zealand, trends by MBIE

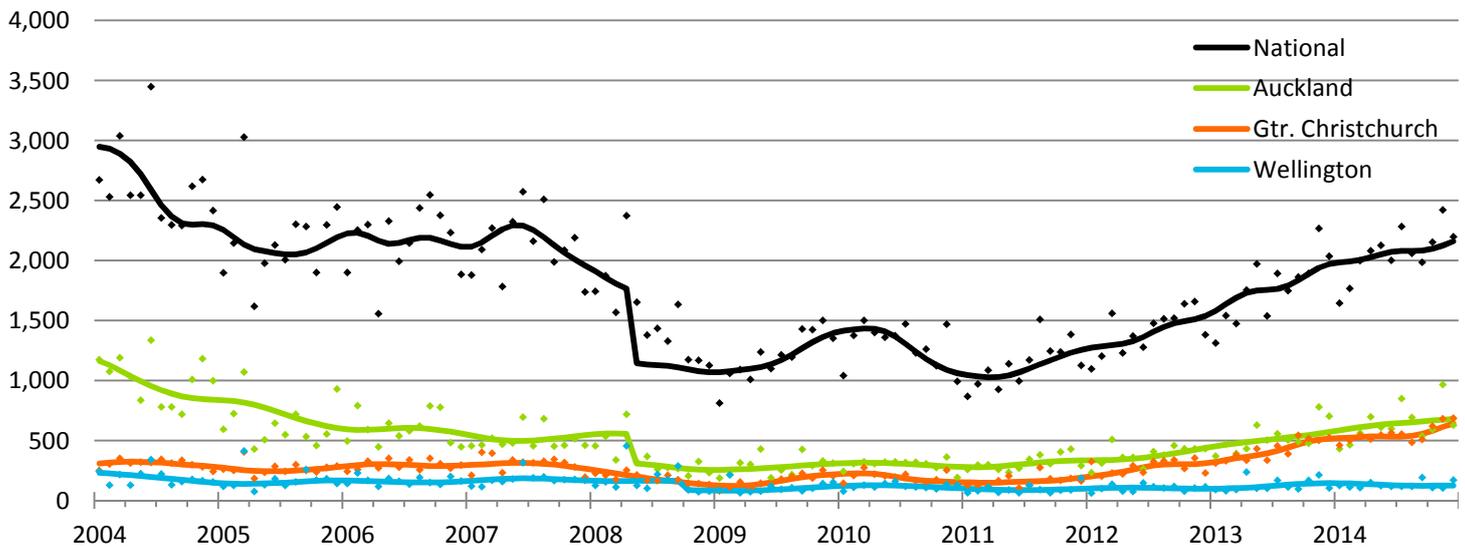


Figure 13 shows an increase in Greater Christchurch's new residential construction consents this quarter. Between 2013 to 2014, there appeared to be an increase in Christchurch followed by a decrease, probably due the rebuild activity.

National dwelling consents also rose this quarter, while Wellington levels remained relatively steady.

Figure 14 shows that between the September and December 2014 quarters, the value of residential alterations and additions in Auckland continued to increase, with a growth rate of more than double the national average.

Table 8: Residential Construction

Dwellings Consented: December 2014	Dwelling Consents	Annual Change*
National	2,199	↑ 9.5%
Auckland	630	↑ 18.9%
Gtr. Christchurch	688	↑ 24.0%
Wellington	171	↓ -13.3%

Alterations & Additions: December 2014	\$m	Annual Change*
National	\$162	↑ 9.7%
Auckland	\$82	↑ 21.7%
Gtr. Christchurch	\$25	↓ -2.6%
Wellington	\$17	↑ 6.3%

* Change in trend values

Figure 14: Residential Alterations and Additions (\$b) to December 2014

Source: Statistics New Zealand, trends by MBIE

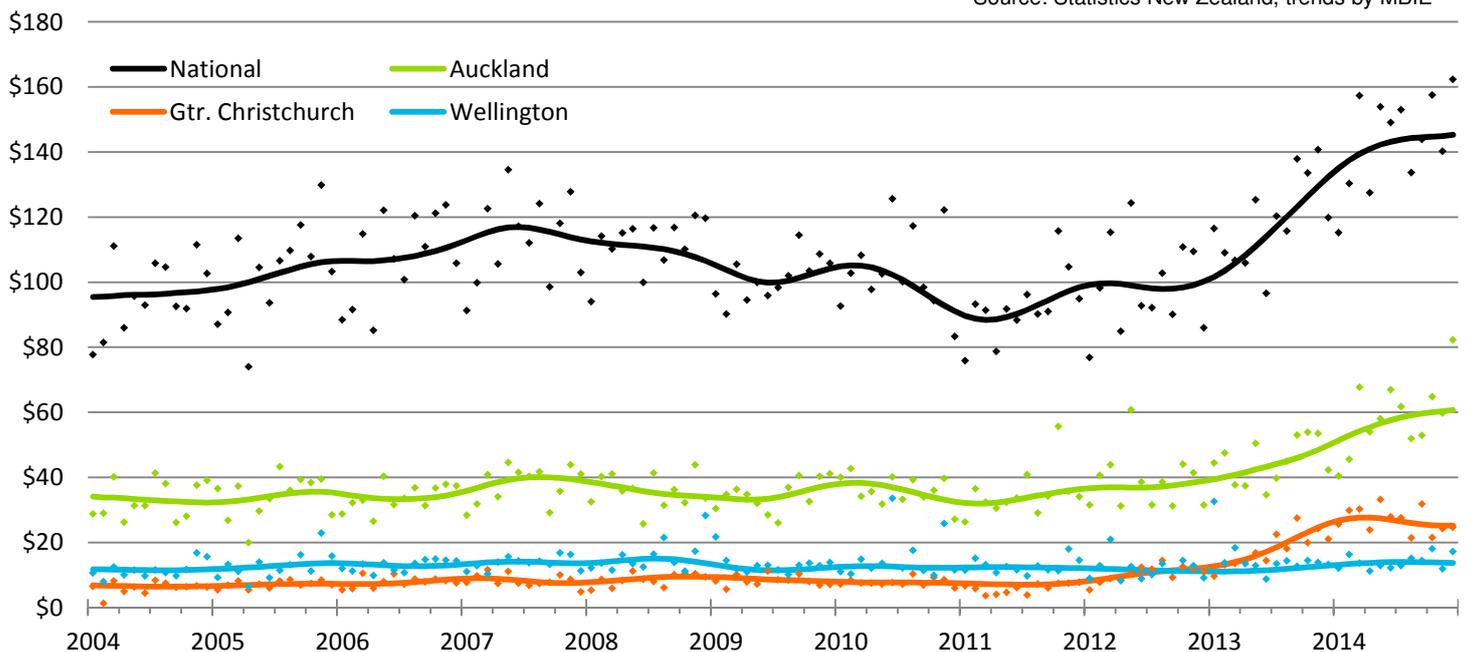


Figure 15: New Non-Residential Consents (\$m) to December 2014

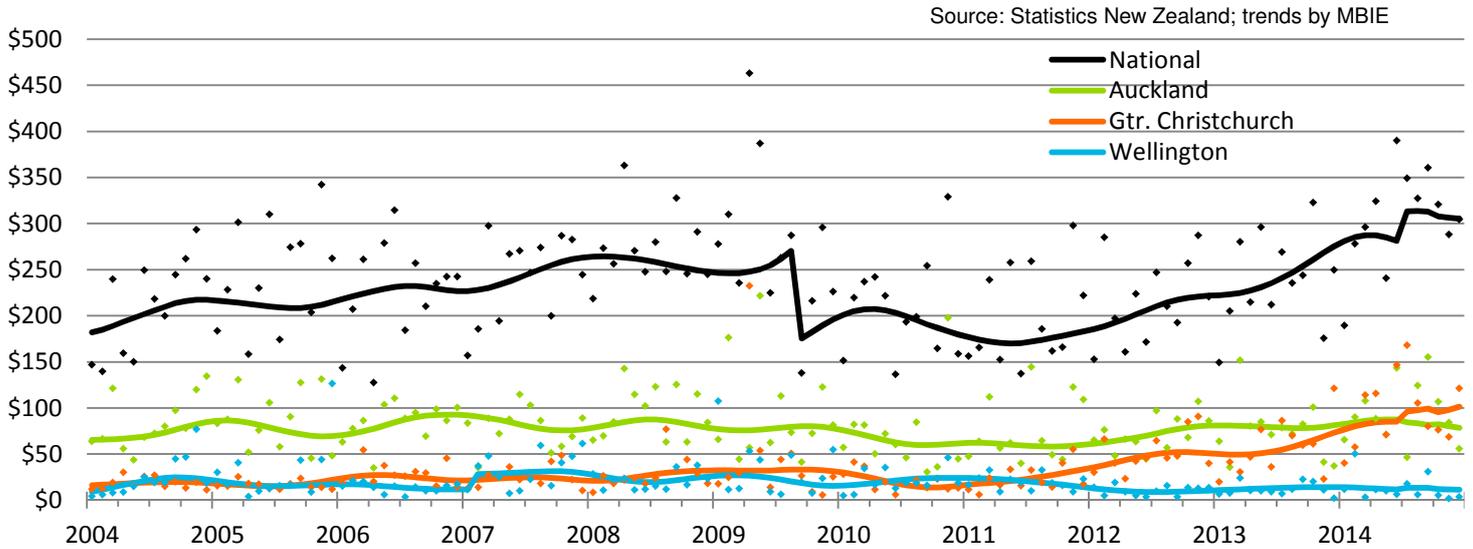


Figure 15 shows that Greater Christchurch consent levels continue to exceed Auckland levels, due to earthquake-related rebuilds. National and Wellington non-residential consents fell this quarter. Notably, in Wellington, they fell by almost 20% within the year to December 2014. Care is needed when interpreting these data, as non-residential construction data can be highly volatile.

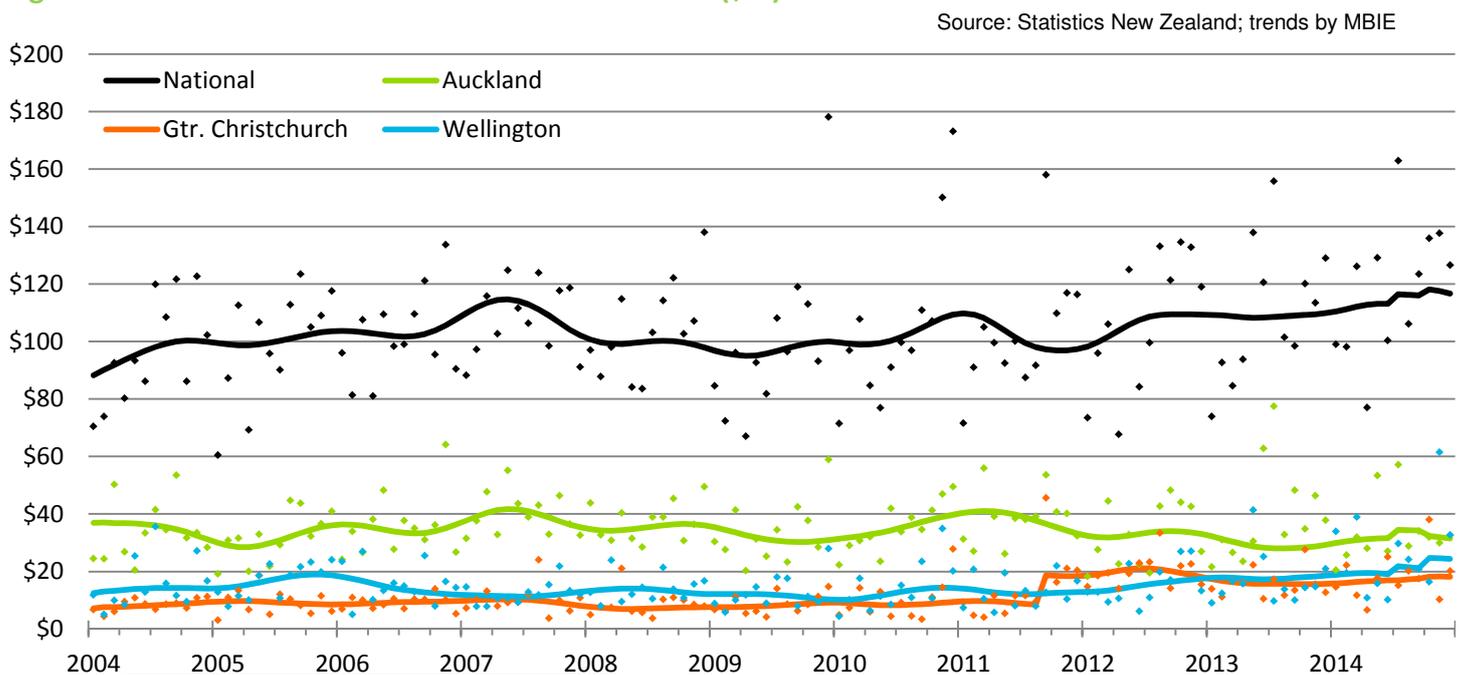
The value of consents for additions and alterations to non-residential buildings are following their historical trends. Wellington shows the largest annual increase, probably related to the earthquake strengthening that has occurred there.

Table 9: Non-Residential Construction

New Consents:		Annual
December 2014	\$m	Change*
National	\$304	↑ 11.0%
Auckland	\$56	↓ -3.3%
Gtr. Christchurch	\$121	↑ 38.6%
Wellington	\$4	↓ -19.8%
Alterations & Additions:		Annual
December 2014	\$m	Change*
National	\$127	↓ -11.8%
Auckland	\$33	↑ 7.4%
Gtr. Christchurch	\$20	↑ 15.8%
Wellington	\$33	↑ 31.1%

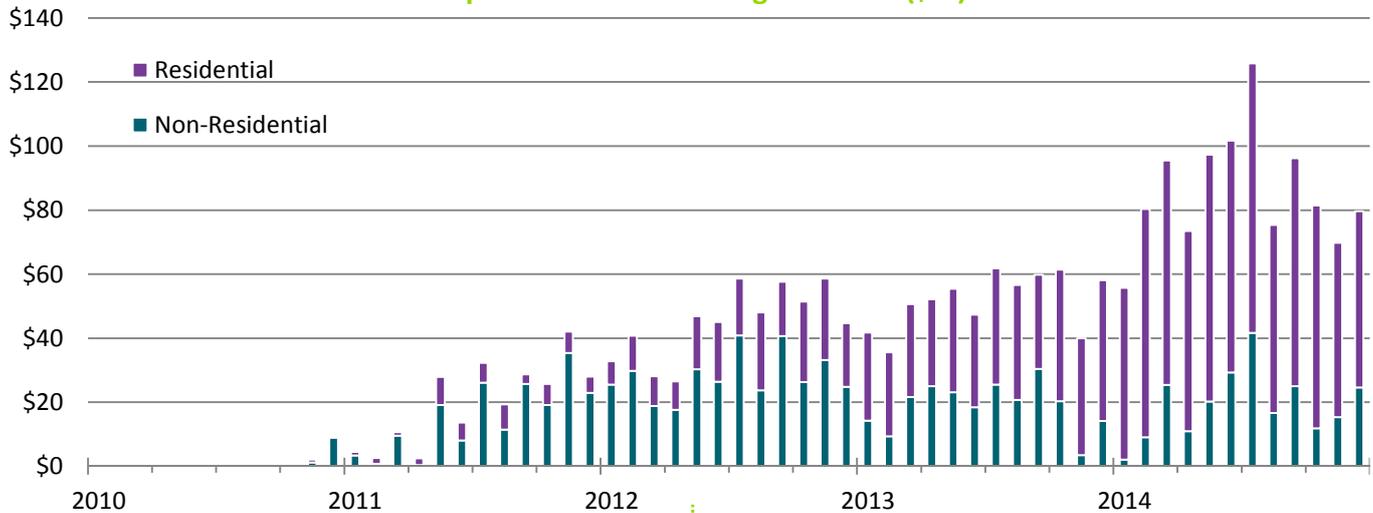
* change in trend values

Figure 16: Non-Residential Alterations and Additions (\$m) to December 2014



Source: Statistics New Zealand

Figure 17: Greater Christchurch Earthquake-Related Building Consents (\$m) to December 2014



Since July 2014, there has been a fall in earthquake-related consents in Christchurch. The levels are now similar to what they were before the July 2014 spike. Residential consents still comprise the majority of all earthquake-related consents. Note that building consents are defined as "earthquake-related" based on whether the applicant notes them as such on the consent application. Therefore, these figures should be treated with some caution.

Figure 18 shows that the trend value for building work for non-residential construction grew 8.0% between the March 2014 and June 2014 quarters, and 14.7% in the year to June 2014. It is now at its highest level since 2004. Residential construction increased in the June 2014 quarter after growing steadily over the past year, and is now above its 2007 peak.

Table 10: Total Earthquake Consents

December 2014	\$m	Since Sep 2010
Residential	\$55.1	\$1,454
Non-Residential	\$24.6	\$989

Table 11: Building Work Put in Place

September 2014 Quarter	\$b	Annual Change*
Residential	\$2.5	↑ 22.9%
Non-Residential	\$1.5	↑ 24.7%

* Change in trend values

Figure 18: National Building Work Put in Place (\$b) to September 2014

Source: Statistics New Zealand

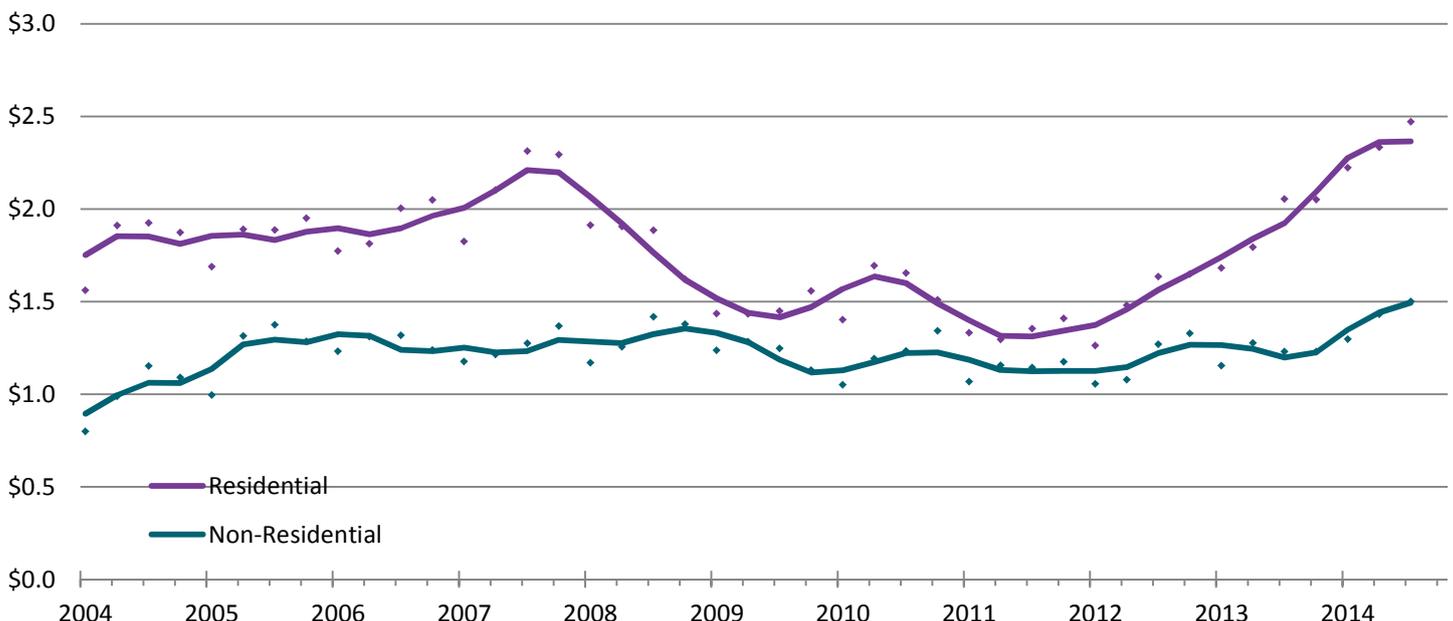
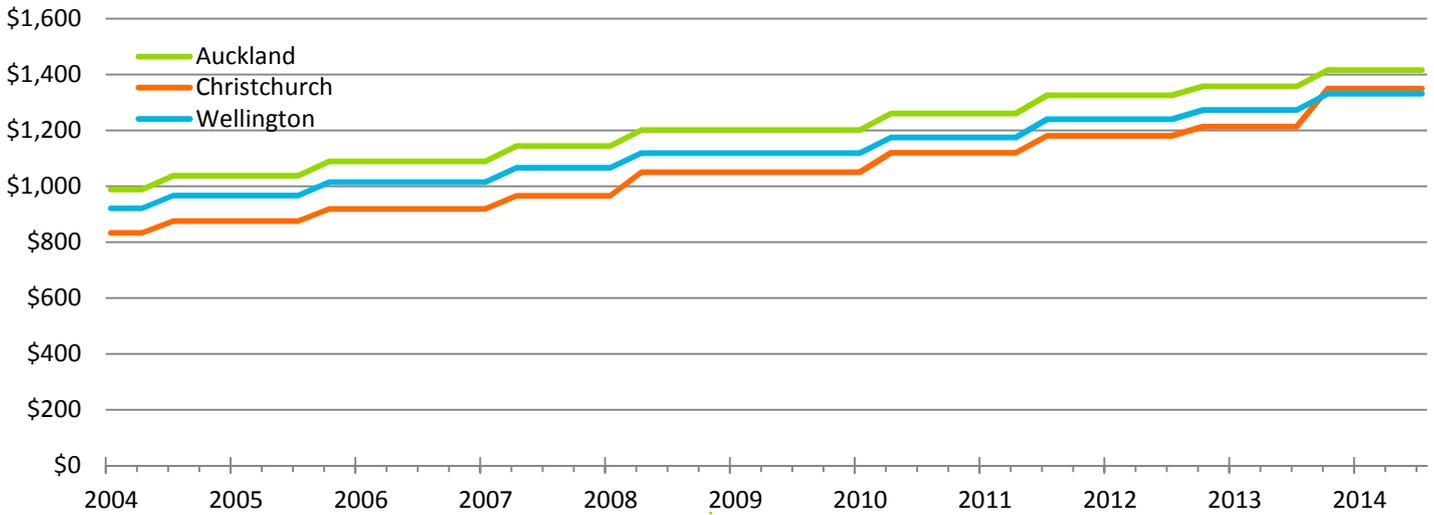


Figure 19: Cost of Building a Standard House (\$/m²) to September 2014

Source: New Zealand Building Economist



The commentary below is unchanged due to no new data being available this quarter.

Figure 19: In all three regions, construction costs were unchanged between the June 2014 and September 2014 quarters.

Christchurch still has the second-highest construction costs of the regions we monitor. This is a change from a long-established historical trend, highlighting the pressure Christchurch's construction industry is under.

Table 12: Cost of a Standard House

September 2014 Quarter	\$/m ²	Annual Change
Auckland	\$1,416	↑ 4.3%
Christchurch	\$1,350	↑ 11.3%
Wellington	\$1,331	↑ 4.6%

Figure 20 shows that construction hourly earning series are following their historical trend.

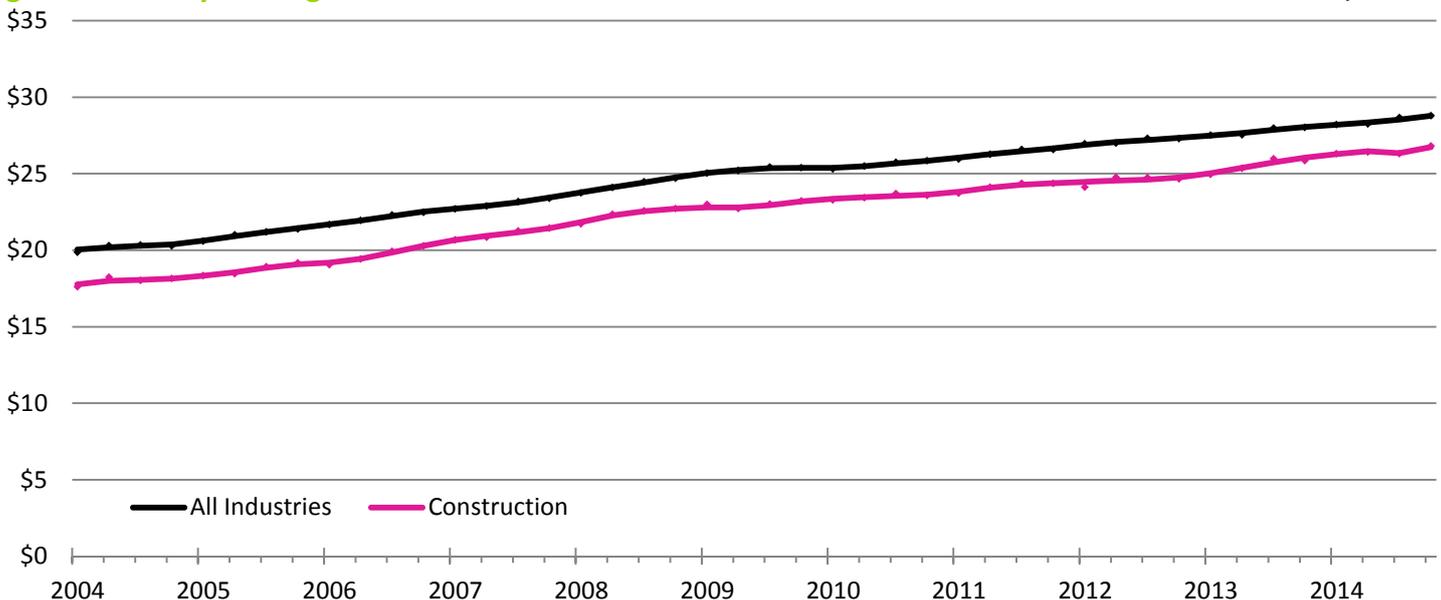
Table 13: Hourly Earnings

December 2014 Quarter	\$/hour	Annual Change*
All Industries	\$29	↑ 2.6%
Construction	\$27	↑ 2.7%

* change in trend values

Figure 20: Hourly Earnings December 2014

Source: Statistics New Zealand, trends by MBIE





SAFETY SPOTLIGHT

- **Videos from the March Charter event** presentations are now available on the **website**
 - Make time to read the report **'Mapping Effective Leadership'** which was presented at the 12 March event. Find it **here**.
 - A reminder to all signatories to **please complete your online assessment tool**. There are still a large number of signatories that have yet to complete the assessment. You can access the tool **here**.
- We are following up with signatories who have yet to complete the tool.
- **Have you downloaded the latest critical risk posters and toolbox talks?** They focus on working in confined spaces, hot works, workplace violence and electricity and a great resource for your teams on site. They're available **here**.

Graham's View

We often use the early part of a new year to set goals and plan our priorities. The first Steering Group meeting of the year was held earlier in the month and it was a great opportunity to look forward and really nail our Charter priorities for 2015.

Leadership was a feature, given we were about to publicly launch the report we commissioned in 2014 into effective H & S leadership in the rebuild. The report contains some really useful insights and we'll be using that to develop a suite of tools and resources to help Charter signatories raise the level of H & S leadership throughout their own businesses and across the rebuild.

We also agreed to embark on a membership drive to increase signatories to the Charter. I have personally pledged to sign up at least 10 more signatories - as has each member of the Steering Group and the other Charter working groups. Collectively we have enormous reach into the supply chain and we should be using that influence to encourage the businesses and people we work with to show their support for raising H & S standards in our industry.

Next month, Canterbury will see a return visit from Lawrence Waterman, who headed up H & S at the 2012 London Olympics. ACC is bringing Lawrence to New Zealand to help inform and develop their programmes of work around workplace injury prevention. For those of you who met Lawrence when he was in Christchurch in 2013, no doubt you'll be keen for the opportunity to engage with him again. ACC wants to get Lawrence in front of a Charter audience so watch out for an invite to attend one his events - coming to your inbox soon.

Graham Darlow
Charter Steering Group Chair



CHARTER NEWS

Charter Priorities for 2015

The Steering Group met in March to agree a plan of action for 2015. Our focus will be on the development and delivery of:

- Leadership tools – to help us improve across all levels of our businesses
- A Charter Performance Improvement Plan template – to help signatories plan their H & S priorities
- Two campaigns for workers – one on fatigue, another on drugs and alcohol
- A worker engagement project including a new role of a Charter Project Officer to support worker understanding of the Charter and participation in health and safety, a survey on worker participation and knowledge of H&S and the Charter
- Developing a suite of documents to support signatories to improve all aspects of Charter performance
- A 'safety planning' workshop for signatories.



Charter Steering Group meeting in progress – March 12, 2015

Safety Leadership – A Course for You?

A two-day safety leadership course for senior executives is being run in Christchurch on April 29 and 30 by the Business Leaders' Health and Safety Forum.

The course explores eight powerful practices senior executives can use to improve safety in their workplaces. Together these practices provide a "hands on" model of executive safety leadership. They answer the question; "what does safety leadership look like in practice?"

The course is targeted at chief executives, directors and senior general managers. It is limited to 12 participants and is delivered by award-winning safety leadership consultancy Leading Safety.

For more information or to register contact: info@zeroharm.org.nz



CHARTER NEWS

Rewarding Great H&S Behaviour

Earlier this month ACC acknowledged the efforts of two great H&S champions, and Charter signatories.

Corbel Construction Foreman, Mickey Read, was rewarded for having “top notch” safety performance on his sites. “His audit scores are always in the high 90s and his commitment to safety is second to none,” says Corbel’s Business Excellence Manager, Kristina Wischnowsky.

Enterprise Recruitment’s Clarke Vincent is one of their company’s ‘Safety Champions’. According to manager, Ian McPherson, “Clive has helped to develop and drive our ‘safety is no accident’ philosophy. Ensuring that our work environments have good safety cultures and that our people are inducted and managed appropriately is a huge responsibility. We often don’t see all our people on assignments each day and so how we communicate with them has to be flexible. Clarke is passionate about communication, training and up-skilling.”

Mickey and Clarke received SiteSafe Leadership in Safety and St John First Aid courses as their awards.

If you have someone on your team who deserves an ACC H&S Champion award, contact: Nikki.hawkey2@acc.co.nz



Enterprise Recruitment’s H&S star, Clive Vincent (left) with Ian McPherson



Team Corbel - H&S Award-winner Mickey Read is centre back row (behind Kristina Wischnowsky)



The occupational health van visits a Fulton Hogan site

Health Check-ups On Site

WorkSafe NZ has been helping to educate rebuild construction workers about occupational health. Together with TriEx, and support from ACC, they’ve been visiting residential and commercial building sites around the city in an occupational health van, offering construction workers mini health checks, with a focus on education around health risks and how to use PPE.

Noise-induced hearing loss and respiratory illness are significant issues facing the construction sector. Offering mini health checks for the workplace is one of the ways workers can improve their knowledge and awareness of health risks from their workplace.

The occupational health van visited 30 sites and talked to around 400 workers in a two-week period.

Safe Rebuild aligns course with Safety Charter commitments

Safe Rebuild has modified its Champions training course to draw upon the 10 Safety Charter commitments. The team decided it could add value to its training programme as well as the Charter by focusing on the 10 commitments and providing real examples and tools on how to effectively implement the commitments.

Much of the change has been for the team to move things they were already covering within the programme to align with

each commitment and then asking participants to reflect on how well they are already doing and what they can improve on.

Safe Rebuild provides government-funded training that is free to participants in small to medium sized businesses. It also works alongside larger companies - more information at www.saferebuild.co.nz





ACC Data Update

New construction-related claims in Canterbury showed no significant change in February (519 received compared with 518 in January 2015). Those claims that become entitlement claims – that is where a person requires more than 5 days off work – increased slightly from those recorded in January (73 in January; 74 in February). The average cost of claims in the first 12 months post-injury dropped slightly to \$1962.

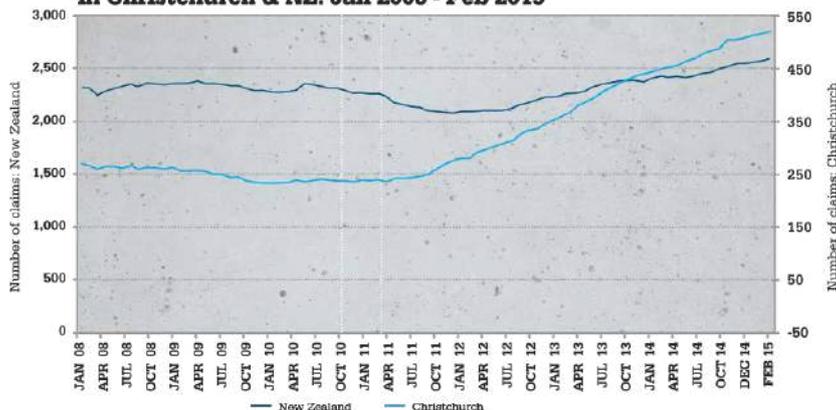
Earthmoving and machinery operators recorded the largest increase in claims by occupation – up 39.48% over the past 12 months. Claim rates for electricians, carpenters and joiners also continue to rise.

The residential building sector continues to dominate claims, recording 160 claims in February. Labour supply services (on hire industry) showed a sharp decline in claims. This follows a leveling off in January and continues a downward trend in claims from this sector.

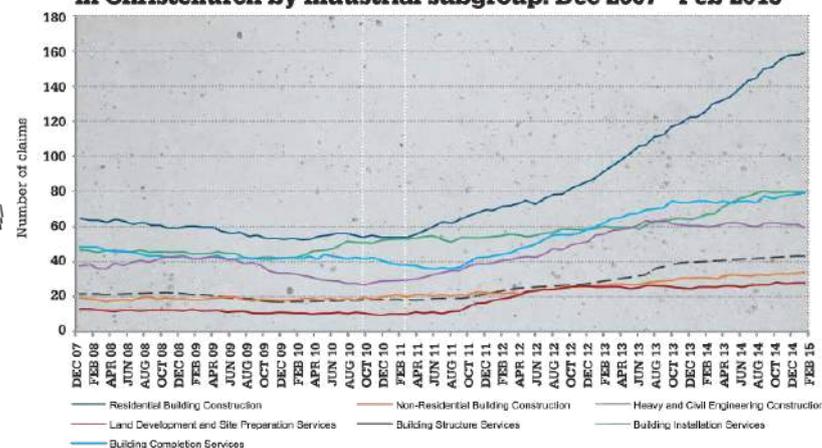
Click here to read the February 2015 dashboard.

*ACC does not produce a Data Dashboard for December, so January claims are compared to those recorded in November 2014.

Number of new construction claims (12 months moving average) in Christchurch & NZ: Jan 2008 - Feb 2015



Number of new construction claims (12 months moving average) in Christchurch by industrial subgroup: Dec 2007 - Feb 2015



JOIN THE SAFETY CHARTER.

We are asking FPANZ members to help us continue to build on the number of signatories committed to the Charter.

The Charter has a full work programme and more resources will be available this year to support signatories to improve their Charter performance.

Have a look at the website – www.safetycharter.org.nz – and join us and the more than 180 rebuild organisations that have signed or endorsed the Charter so far. Contact info@safetycharter.org.nz for more information.

Graham Darlow
Chair, Canterbury Rebuild Safety Charter

WHY SIGN UP TO THE SAFETY CHARTER?

The Canterbury Rebuild Safety Charter is an agreement on health and safety between the leaders of a number of government organisations and companies leading the rebuild

The aim is simple – to get every worker home safely every night.

We strongly urge you to sign up to the Charter, because you will:

- ✓ **Improve the health, safety and wellbeing** of your workforce, your colleagues and the industry as a whole
- ✓ **Receive support from industry colleagues** to help improve on-site safety
- ✓ **Receive practical ideas, case studies and lessons** to help your company and sub-contractors
- ✓ **Have access to Safety Charter events** featuring key speakers and players in the industry
- ✓ **Use the Charter Assessment tool** with its detailed guide and aggregated results of Charter signatories
- ✓ **Make a public commitment to health and safety**
- ✓ **Boost the reputation of your business** through your commitment to the Charter.

We're working together to create a legacy of a safe and healthy rebuild.

FMRC Update

06 OCT 1989

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A Progress Report from the Factory Mutual Research Corporation

PIONEERS IN SPRINKLER TECHNOLOGY

When, in 1835, Zachariah Allen brought together the two concepts of insurance and property conservation, a new way of thinking about property insurance was born. This approach—active control and prevention of potential losses—essentially marked the beginning of the Factory Mutual approach to property insurance. Since that time, Factory Mutual Engineering and Research has been at the forefront of fire protection innovation and research. One of its primary areas of work has been the development and improvement of sprinkler protection. Though sprinkler fire protection has existed for over 100 years, it has been in the past 50 years, under the leadership of Factory Mutual Research Corporation (FMRC), that the most significant changes in sprinkler technology have been developed.

Early Sprinklers

The forerunner of the automatic sprinkler first appeared in the United States in the early 1850's when New England mill owners, in an attempt to reduce property losses, developed crude, perforated-pipe deluge sprinkler systems. These systems were used until roughly 1885. Although this provided increased protection, two problems made the search for more effective, cost-efficient protection necessary: The water was distributed not just on the fire but everywhere, causing excessive water damage, and the water was delivered by a manually turned valve; someone had to be present in order for the system to operate.

In 1874, Henry S. Parmelee resolved these two problems when he obtained the first U.S. patent for an automatic sprinkler head. At a specific temperature, two soldered eyes of low-fusing material would melt, releasing a spring

to open a closed valve. Water would then be released through the perforated head. By 1878, Parmelee had drastically redesigned the sprinkler so that a brass cap was soldered over the distributor, which was changed from a perforated head to a rotating, slotted turbine. Approximately 200,000 of these sprinklers were installed between 1878 and 1882. In comparison to perforated pipe systems, these sprinklers were so efficient that they ushered in a new era of fire protection for manufacturing establishments and provided the catalyst for a new philosophy of property loss insurance.

In the early 1880's, Frederick Grinnell further refined the automatic sprinkler design. The crucial change introduced by the Grinnell sprinkler was the elimination of a perforated head or rotating turbine for water distribution. Instead, the new Grinnell sprinkler dispensed water through a 1/2 in. (12.7 mm) diameter orifice before being distributed by a deflector laterally and upward. Factory Mutual Engineering's endorsement of the Grinnell sprinkler led to its widespread use. In fact, the Grinnell "Glass Button" Issue A sprinkler, considered the most reliable of the early sprinklers, was approved by Factory Mutual Engineering from 1897 to 1935. The design advances of the Grinnell sprinkler were so good that the automatic sprinkler remained essentially unchanged until the late 1940's when, in response to changes in warehouse practices brought about by the introduction of the lift truck and the storage of rubber tires, more effective sprinklers were needed.

Standard Sprinklers

Factory Mutual Research Corporation (FMRC) was established in 1941 as a corporate, non-profit entity. In the late 1940's, FMRC began to study ways to

better protect these new storage hazards. Of particular concern were rubber tires. What became clear was that the old-style sprinkler design did not use water efficiently. In an effort to control the fire and protect the combustible ceiling simultaneously, the old-style sprinklers dispensed about half of its spray *upward* to wet the ceiling structure and half *downward* toward the fire. Research at FMRC demonstrated that when the full spray was directed downwards to control the fire, the chances of fire spread along the ceiling were actually reduced. Based on this finding, a new type of sprinkler was developed with a 20-30% advantage in coverage area when compared with the old style sprinkler.



Standard Sprinkler: 1952 Model

In 1953 the Standards for the new sprinkler were written, and the first sprinklers were installed. FMRC was highly successful in promoting the use of its new sprinkler design, which became established as the standard in the United States within just two to three years, a confirmation of the sprinkler's ability to provide better protection at lower cost.

continued on page 2

A New Approach to Research Techniques

After the development of the standard sprinkler, sprinkler research came to a near standstill until the 1960's when newer, larger warehouses made it difficult for the standard sprinkler to handle fires in large, rack storage arrangements. One attempt to combat the problem was to install standard sprinklers in the storage racks. Though this was successful in terms of fire protection, it often proved to be impractical because of the resulting inability to move racks or tiers. In general, standard sprinkler systems faced two major problems: ineffectiveness in suppressing high challenge fires and the unnecessary opening of many peripheral sprinklers, which increased water demand and water damage. Traditionally, designers made automatic sprinklers to control fire spread and wet and cool the building structure, thus preventing collapse and complete destruction. Fires in high-piled storage occupancies challenged this fire control concept, pushing the standard sprinkler to its limits.

A new approach to sprinkler technology was needed, and, in 1970, Cheng Yao, a newcomer to FMRC in 1968, studied the problem and developed a new strategic approach to the technological development of sprinkler systems. In the past, most improvements came about largely through trial and error with full-scale testing of various ideas within the framework of the existing fire protection standards. In spite of extensive testing, researchers knew very little about the principles of sprinkler protection. Four major questions remained unanswered: *Where did the water drops go after a sprinkler discharged them over a fire? Was the extinguishment of the fire caused by wetting the burning surface or by prewetting the nearby unburned fuel? Was water being used in the best possible way with the existing hardware? What was the best way of getting more water into a fire?*

Under Cheng Yao's leadership, FMRC began a sprinkler technology research program to study the basic principles of sprinkler fire protection. The knowledge gained from this research has been used to reexamine the basic concepts of sprinkler protection and to develop new and effective sprinklers for occupancies that could not be adequately protected with standard sprinklers.

As the research program developed, the objectives were clarified and refined as follows:

1. To quantify the thermal responsiveness of automatic sprinklers. This information, which came to be called the Response Time Index (RTI), could then help to determine the fire challenge at the time of sprinkler operation.
2. To quantify the fire challenge in terms of its combustibility and extinguishability. This data would be used to determine the amount of water needed to be delivered to the seat of the fire, the Required Delivered Density (RDD), for effective fire suppression.
3. To quantify the sprinkler discharge characteristics. This information would tell the amount of water actually penetrating the fire plume to the seat of the fire, the Actual Delivered Density (ADD).
4. To improve our capability in predicting the performance of sprinkler systems against different types of fire challenges; essentially, this means developing computer simulation and modeling of sprinkler performance.

Over the years, the research led to the development of three major sprinkler types: large-drop sprinklers (1971-80) to control high-challenge storage fires; fast-response residential sprinklers (1976-79) to maintain a survivable environment in residential areas; and Early Suppression Fast Response (ESFR) sprinklers (1984-88) to suppress severe storage hazard fires beyond the protection capabilities of even large-drop sprinklers.

Initial research involved a reexamination of sprinkler discharge characteristics. What was clear was that the standard sprinkler had been developed without any satisfactory technique for measuring drop size distribution. No attempt had been made to determine drop trajectory or the interaction between the water drops and the fire being controlled. The new research suggested that the standard sprinkler could be improved in two main areas: It could be designed for maximum water penetration into the fire itself, and it could be optimized for effective cooling of the environment and, therefore, prevent the opening of remote sprinklers.

Large-drop Sprinklers

Research showed that water discharged from a standard sprinkler operating at 30 psi (2.1 bar) provided very few drops in the size range considered effective for gravitational penetration of a high velocity fire plume, nor did it produce many drops in the size needed for effective cooling of the rising fire gases. Most of the drops were pushed away from the rising fire plume and fell to the surrounding area outside the fire zone. Thus, fire protection with standard sprinklers was accomplished primarily by supplying sufficient water to a large number of sprinklers to slow down and control the fire spread.



FMRC's large-drop prototypes

To combat these deficiencies, a 0.64 in. (16 mm) diameter orifice large-drop sprinkler, which produced significantly larger drops capable of more effectively penetrating the fire plume, was developed. For large-drop sprinklers with an operating pressure of 30 psi (2.1 bar), the median drop and the water discharge rate is 100% higher than that for a standard sprinkler. With the development of large-drop sprinklers came a new approach to installation criteria. The installation requirements are based on the pressure at a specified number of sprinklers rather than on the quantity of water distribution over a unit area (discharge density). Large-drop sprinklers proved to be a great improvement for control of fires in many highly challenging occupancies.

Residential Sprinklers

Meanwhile, FMRC began research in other directions as well. Until the mid 1970's, most sprinkler research had concentrated on sprinkler protection for industrial and commercial properties. Not

until the United States Fire Administration (USFA) of the Federal Emergency Management Agency (FEMA) began to sponsor several programs in residential fire suppression systems in 1976 did research in this area begin to take off.



FMRC's residential prototypes

From 1976 to 1982, USFA sponsored several research programs in residential sprinkler technology at FMRC. These programs made it clear that because of the low ceiling height and small compartments in residential buildings, the hot gases generated by a fire descend quickly to a level where it interferes with a person's ability to see and breathe. Thus, a residential sprinkler must respond quickly enough, while the fire is still in its early stages, to maintain a survivable environment through the course of the fire. This could not be done with any existing sprinkler. Another problem with residential fires is that effective control of a fire often depends on a single sprinkler operating in the room where the fire begins. Sprinkler water distribution must be uniform so that even when a fire starts behind the arms of the sprinkler frame, adequate water will still be delivered to the fire source.

The information acquired in these programs regarding thermal responsiveness of the sprinkler link and sprinkler discharge characteristics served as a guide for the sprinkler industry to develop residential sprinklers. The tests also provided the information needed to establish a foundation for installation standards of residential sprinklers. The development of this technology in residential fire protection—a technically effective and economical sprinkler system providing a practical means of dealing with one of society's costly problems—was a true milestone in sprinkler history.

ESFR Sprinklers

In the high-tech era of the 1980's, many warehouses are being used to store high value commodities composed of new synthetic materials in ever increasing storage heights. In order to reduce large fire losses, it is critical to limit fire and water damage to a small portion of the storage array.

FMRC began a research program to develop a new way for sprinklers to attack a fire. Until that time, the goal was to *control* the fire. The new program was aimed at developing a sprinkler that would *suppress* the fire. To do this, FMRC blended and improved two technologies from their prior research to better achieve suppression: fast sprinkler response and large water drops with high thrust force.

The program was labeled ESFR for *early suppression, fast response*. Placing *ES* before *FR* was intentional to emphasize that the purpose is early suppression; fast response is only one of the means to that goal. The objective of the ESFR program was to develop an ESFR sprinkler system that would provide early suppression performance on high challenge storage fires represented by up to 25-ft (7.6 m) high rack storage of standard plastic commodity in a 30-ft (9.1 m) high building. The program was initiated in November 1983, and last year, as reported in our last issue, three ESFR sprinklers were approved by FMRC and are now available for use.

ESFR sprinklers are a culmination of the sprinkler research conducted in the past twenty years at FMRC. The successful use of fast-response technology in residential settings did not mean that faster would always be better. Faster, in warehouse settings, is only effective when the sprinkler system is operating in a suppression rather than control mode. The basic ESFR concept is that if enough water can penetrate through the fire plume to the actual burning commodity at the early stage of development—before a severe challenge exists—fewer sprinklers will operate, less fire and water damage will result, and the fire will be suppressed. An efficient way to deliver sprinkler water to the fire seat is by the sprinkler spray thrust force overpowering the fire plume. In the technical terms used earlier, Actual Delivered Density (ADD) must exceed Required Delivered Density (RDD), regardless of the ignition location and storage heights, in order for early suppression to occur.

The ESFR sprinkler system is a "one size fits all" approach that uses one design specification to protect palletized, solid-piled, open-frame single-row, double-row, multiple-row, and portable rack storage of plastic and other common materials up to 25 ft (7.6 m) high in buildings up to 30 ft (9.1 m) tall. The need for in-rack sprinklers or limitations on storage height is eliminated.



FMRC's ESFR prototype

Cost comparisons for new sprinkler systems indicate that installing an ESFR sprinkler system is less expensive than installing a combination standard ceiling sprinkler and in-rack system. Installing ESFR sprinklers will, in all likelihood, permit greater warehousing flexibility because they protect a greater variety of commodities and tolerate a number of different, changing storage arrangements.

Ongoing Research

Research goes on at FMRC. Building on the successes of the past, FMRC has already begun studying the effectiveness of ESFR sprinkler systems in even more challenging applications. The future trend will be to replace the empirical database with computer simulation and a few validation tests. Researchers will then use these computer simulation models as the basis for developing early suppression-type sprinklers with a smaller orifice for broader applications in less challenging conditions, such as manufacturing plants, mercantile buildings, and public buildings.

FMRC is committed to the continued effort needed to develop the knowledge, hardware, methods, and data to advance sprinkler technology and remain the research leader in loss prevention technology.

DEVELOPING INTERNATIONAL FIRE PROTECTION STANDARDS

The existence of international standards is important to export activities in general, but developing worldwide standards for fire protection equipment is perhaps even more important; creating such standards ensures that fire protection equipment does what it is made to do. A company installing a sprinkler system not meeting minimal standards cannot be assured of adequate fire protection. One major catalyst in the development of *international* standards is the proposed elimination of *national* standards as trade barriers. The International Organization for Standardization (ISO), based in Geneva, Switzerland, is meeting this challenge by developing international standards to ensure that products made in one country can be purchased and used in others.

Intensive international effort to standardize fire-protection and fire-fighting equipment began in the early 1970's with the creation of Technical Committee 21 (TC21) of the ISO. Of particular interest to Factory Mutual Research Corporation (FMRC) and the fire protection community in general is ISO/TC21/SC5/WG1, the acronym designating Working Group 1 of Subcommittee 5 of Technical Committee 21 of ISO. Each level under Technical Committee 21 develops standards for a specific area of firefighting equipment. Subcommittee 5 (SC5) deals with fixed firefighting systems. Under SC5 are six working groups; Working Group 1 (WG1) is concerned with sprinklers and water spray systems.

Since its first meeting in 1975, Working Group 1 has been responsible for developing five draft standards. Subjects include automatic sprinklers, alarm valves, dry-pipe valves, quick-opening devices, and deluge valves. Once a draft standard has been written and accepted at the Working Group level, it is sent on to Subcommittee 5 for balloting. If accepted by the Subcommittee, the document is sent to Technical Committee 21, where it becomes an International Draft Standard if approved. The sprinkler, alarm valve, and dry-pipe valve documents have become Draft International Standards. During WG1's fourteen year history, it has met, and continues to do so, approximately every fourteen months.

American participation in ISO is established via membership in the American National Standards Institute (ANSI), which then selects members for ISO. Currently, six people representing various American interests—government, industry, and testing organizations—serve on Working Group 1. FMRC has been active in the work of establishing international standards for fire protection equipment since such work began in the early 1970's.

FMRC's participation in ISO activities is in keeping with its history of leadership in loss prevention technologies. Carl Miller, now FMRC's chief operating officer, was a participant in the early meetings when Technical Committee 21 began its work in 1973. Roger Allard,

Manager of the Hydraulics Section of the Approvals Division, now represents FMRC and has been an active member of WG1 since November 1976. Although developing worldwide standards is a slow, tedious process, the work, suggests Allard, is not only valuable, but essential. Measuring progress is difficult and at times discouraging. However, the exchange of ideas and concerns with professionals from other countries has a valuable educational benefit. Such cross-pollination of information may not result in immediate benefit, but such dialogue is helpful and necessary, not only to generate broad-based performance standards, but also to promote an understanding of sound loss prevention engineering.

To add your name or someone else's to the mailing list, send name and address to David Anderson, Publications, Factory Mutual Engineering and Research, 1151 Boston-Providence Turnpike, Norwood, MA 02062.

FMRC Update, Vol. 3, No. 1

Editor: D. Anderson

Photography: Bobby Lepson

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"Fire Protection - Innovate your Business" Seminar Series

2015 DATES:

DUNEDIN	Monday 4th May
CHRISTCHURCH	Tuesday 5th May
WELLINGTON	Wednesday 6th May
ROTORUA	Thursday 7th May
AUCKLAND	Friday 8th May

INVESTMENT:

- **Members (single) \$290 each*** excl. GST
- **Non-Members \$360 each** excl. GST

*Available to FPANZ Financial Members who are fully paid-up.

Catering is provided for this full day seminar consisting of morning and afternoon tea, lunch and after event social gathering.

WORKSHOP LOCATIONS & TIMES

DATE & TIME	VENUE	ADDRESS
Monday 4th May 08:00am - 4.00pm.	Kingsgate Hotel Dunedin	10 Smith St DUNEDIN
Tuesday 5th May 08.00am - 4.00pm.	Novotel Christchurch	50 Cathedral Square CHRISTCHURCH
Wednesday 6th May 08.00am - 4.00pm	Rydges Hotel Wellington	75 Featherston St WELLINGTON
Thursday 7th May 08.00am - 4.00pm	Millennium Hotel Rotorua	Cnr Eruera & Hinemoa St ROTORUA
Friday 8th May 08.00am - 4.00pm	Copthorne Hotel Auckland	150 Anzac Ave AUCKLAND

This seminar series is driven by the ongoing changes we face as an industry and the importance of selecting the right products to meet design and standards requirements.

FPANZ is running a series of full-day workshops throughout the country to continue its plan of education and information to ensure the industry is continuing to get the latest information and support.

We are pleased to have an industry supplier with a key speaker from its headquarters in the USA to also present on several key topics. They will have a practical emphasis focusing on preferred methods and practices

WHO SHOULD ATTEND:

The seminar/workshops are particularly aimed at those involved in Design, fabrication, supply, specification, installation and testing of Sprinkler Systems.

Those who should attend include:

- Sprinkler system designers
- Sprinkler system installation supervisors and charge-hands
- Sprinkler system installers/technicians
- Installation inspectors
- Evacuation consultants
- Maintenance technicians
- Fire system surveyors
- Portable equipment technicians
- Insurance risk managers and surveyors
- Sprinkler system component manufacturers and suppliers.
- Designers and estimators
- Council inspectors

SEMINAR CONTENT:

The workshop will be presented in a series of parts covering the following timing and topics:

8.00 am	Arrival and coffee
8.30 am - 10.00am	Presenter Chris Mak Sprinkler Seismic Overview Seismic design requirements What the future is likely to entail
10.00am -10.30am	Morning Tea
10.30am -11.30 pm	Presenter Greg Cain Overhauling systems and correct testing procedures, Pre-Action Dry and Deluge systems
11.30am - 12.30pm	New Viking Product Presenter Martin Workman
12.30pm - 1.15pm	Lunch
1.15pm - 3.00pm	Presenter Martin Workman Storage products Existing and new Design Pitfalls NFPA/FM Changes
3.00pm - 3.15pm	Afternoon tea
3.15pm - 4.00pm	Foam product, Testing and development, The future
4pm	Close (review and social discussion)

Despite the requirements of various NZ standards the seismic compliance of Sprinkler and Fire Systems has received scant attention in recent years. A series of major earthquakes in Christchurch in 2010 and 2011 and in Seddon in 2013, which also affected Wellington, highlighted a systemic problem. The industry is under increasing pressure to assure seismic compliance on current and future construction projects. Our installations must comply with the New Zealand building code and with all legislative requirements our challenge is to deal with it in a cost effective manner.

For over 80 years the name Viking has represented global leadership in fire protection. Today, the companies of the Viking Group (Viking Corporation, Viking SupplyNet, Viking Fabrication Services, Viking Plastics, and VGS® Grooved Piping Systems) provide independent fire sprinkler contractors with integrated solutions for any fire protection challenge.

Their goal is to enhance and support the efforts of fire sprinkler contractors.

Viking offer professional training on a variety of product which includes gas flood systems, preaction systems, valve sets, hand held operating firefighting equipment and sprinkler product.

The goal with this program is for attendees to be able to walk away knowing how to identify the various designs of these products and systems and comprehend the important differences in how they perform. Attendees will learn to recognise, install, inspect and maintain properly installed sprinkler systems. To comprehend the hydraulic performance of systems, locate technical support information and understand what the requirements of NZS4541 are in relation to this technology.

PRESENTERS

- **Chris Mak:** BE FIPENZ, MSFPE, CPeng.
Chris has over 25 years' experience in the fire protection industry in engineering and management positions. He is currently the manager of Aon's Sprinkler System certification business unit. Previously, he was the engineering manager for NZ's largest fire protection installation and service company. He has been involved in the preparation of numerous fire protection standards, including chairing the committees that drafted the last two revisions of NZS4541 "Automatic Fire Sprinkler Systems".
- **Greg Cain:** NZCE Mech
Greg Cain is the National Business Development Manager for Viking Sales and Service with over 22 years of related industry experience.
Greg has been involved in the Sprinkler Fire Protection Industry since 1993 when he started as a Sprinkler Cadet with James Hardie Building Services. He progressed through the James Hardie and latterly Chubb business with training in all aspects of Sprinkler installations including Sprinkler Design, Estimating, and Project Management.
Greg moved to Fiji in 1998 to manage the Fire Control Fiji business. Subsequently purchased by TYCO, Greg joined the Wormald NZ business as their Sprinkler Contracts Manager. In 2007 Greg joined Viking Sales & Services as the National Business development Manager.
- **Martin Workman:** Senior Engineer Viking, Vice President, Product Management.
Martin started in the fire sprinkler trade in 1984 as an apprentice sprinkler fitter. In 1990, Martin moved from the field to the office of a fire sprinkler installation company to learn design, which then moved to sales. In 1997, Martin joined the Viking Corporation as the Product Manager of Special Hazards. Martin supported sales and installation of Viking's foam product offering. In 2004, Martin joined Viking Global Product Development team. In 2008, Martin began as Chairman of the Global Product Development team.
Martin is a primary member of NFPA 11, NFPA 30, NFPA 30b, NFPA 409, and NFPA 415. Martin is an alternate on the NFPA 13 discharge committee.

Fire Safety isn't something you would take a gamble on, is it?

Next time you need advice, servicing, installation, or fire protection products, there's a simple way to ensure you are dealing with professionals with the relevant training, knowledge, ethics and responsibility critical to the safety of lives and the protection of property.

The way to ensure you are not taking an unnecessary gamble with lives, property, or fire safety is to **choose a member of the Fire Protection Association of New Zealand**.

FPANZ members are proud to belong to an Association which:

- Sets the standards for the Fire Safety Industry in New Zealand
- Ensures its members operate to professional Codes of Practice and Ethical Conduct
- Pursues continuous professional development for members and their staff
- Has established high-level formal relationships with the New Zealand Fire Service, Government agencies, International Fire Associations and the wider community
- Is active in the ongoing development and review of Fire Codes and Standards.

The Fire Protection Association of New Zealand (FPANZ) is a not-for-profit Incorporated Society governed by a constitution and Board of Directors, with its national head office based in Auckland. The Association is the voice of the industry and responsible for these key areas in the industry:

Code of Ethical Conduct

Under the Association's constitution, all members and companies are bound to the Code of Ethical Conduct. Our members are committed to operating to best practice, and are accountable to the Association for their performance. All members are subject to a fully-documented complaints and disciplinary procedure.

Vetting

All prospective new members of FPANZ must supply detailed information on their company, staff and market activities, including customer references. Additional background checks are also done, then all information is reviewed by the Board of Directors to establish that the applicant meets the requirements to become a member of FPANZ.

Insurance

One of the other benefits of dealing with a member of FPANZ is that all members must carry a minimum of two million dollars in public and product liability insurance.

Promoting Industry Training and Education

The Fire Protection Association of New Zealand works closely with key stakeholders: Competenz, FireTech, and its members to ensure the industry is providing continuous industry development and relevant training to staff.

Special Interest Groups

FPANZ Special Interest Groups (SIGs) provide a forum for sub-groups of members to keep abreast of the latest issues affecting their particular discipline, and to ensure that sector-specific issues and concerns are addressed in a timely and professional manner.

For more information or to confirm if your Service Provider is a FPANZ Member, visit our website www.fireprotection.org.nz

or contact: Fire Protection Association NZ, Phone: +64 9 414 4450; Email fpanz@fireprotection.org.nz

To make sure you're not leaving it up to a game of chance, ask your service provider if they are a member of the Fire Protection Association of New Zealand.



Burn Support Group Charitable Trust, Inc.

Newsletter

M A R C H 2 0 1 5



CONGRATULATIONS

SKYCITY NZ BREAKERS

Burn Support Group Charitable Trust Inc, are very proud to be an Official Community Partner of the SKYCITY NZ BREAKERS, therefore we are thrilled that the boys took out the Australian NBL 2014.15 championship.



LOCK IN THESE DATES:

Charity Race Night at
Alexandra Park - Friday
November 13

Adult Seminar (Auckland) -
11 - 13 September

Phoenix Society World Burns
Congress (Indianapolis, USA)
October 21 - 24

Burn Support Group
Christmas Party Sunday 6
December

Burn Support News



What a beautiful Summer we are having - I hope you are all remembering to SLIP on a shirt, SLOP on some sunscreen, and SLAP on a hat. Radiation levels are at their peak from September to April, especially between 10am and 4pm so please be Sunsmart!

HAPPY EASTER!

STAYING ALIVE - VOLUNTEER & EMERGENCY SERVICES OPEN DAY

Staying Alive is an annual event showcasing the work of our NZ Fire Service, Police, Ambulance, Civil Defence, emergency service rescue team and voluntary services and what they do on a daily basis.

This years event was held at The Cloud in Auckland City. Emergency Services showcased their skills at this exciting educational event which included displays of road crash rescue re-enactments, demonstrations on what to do in case of a kitchen fire and loads of information.

Burn Support Group once again had our stand informing people of safe practices.

A huge thanks to Paul, Jack and Willow for helping hand out our packs.



For beautiful eyes, look for the good in others; for beautiful lips, speak only words of kindness; and for poise, walk with the knowledge that you are never alone.

- Audrey Hepburn



Mr Daik Cool says:
"Seconds to burn,
BUT at least
20 minutes to cool !!!"

Lets be friends on Facebook.

[www.facebook.com/
burnsupportgroup](http://www.facebook.com/burnsupportgroup)



**Burn Support Group
Charitable Trust**

PO Box 97164
Manukau City
Auckland 2241
www.burns.org.nz
(09) 270 0640

BURN SUPPORT GROUP CHILDREN'S CAMP



Every year Burn Support Group bring together children (7-17years) from all over NZ who have sustained a burn injury. The camp is very rewarding for the children because they feel 'normal' and don't feel like they are being stared or pointed at because they all share the same scars. This is free of charge through fundraising done throughout the year.

This years camp ran from 21 - 25 January, at Lakewood Lodge in Huntly. We had five days of beautiful weather, fun, support, determination and making new friends. It is fantastic to watch the children develop in confidence over the camp.

Thank you to our sponsors and donors - Bio Oil, Flava and Banana Boat, who donate such amazing items. A huge thanks to Alan and Delwyn Breslau and our adult burn survivors who inspire and became great role models to our children. Another big thanks to Tori Blomfield who volunteers her time to come and help on camp.



BURN SUPPORT DONATIONS

Each year Burn Support Group donates equipment to the National Burn Centre at Middlemore Hospital. This year a Dermatome and trolley were on their wishlist, so along with Southern Stars Charitable Trust, we fundraised to purchase this equipment.

Richard Wong She (Clinical Leader for Burns) said the Dermatome is a huge step up from the equipment they use to work with (see picture below of Dermatome next to the harvesting knife) The harvesting knife relies on the operator, whereas the Dermatome is machine operated which gives a more accurate thickness for skin grafts and the scarring is tidier and more consistent.



In February the HAMC Nomads organised a dice run to raise money for the Burn Support Group Charitable Trust. This is an annual event, where hundreds of bikes form a convoy and follow a designated route. We were the proud recipients of last years profits and are

happy to receive a \$2000 cheque again this year. Dave is a member of the HAMC Nomads and is also a burn survivor, A huge thanks to all who were involved.



In February Manukau Nissan ran an auction on a traded in Maxima in mint condition on Trade Me. All proceeds from the auction were donated to Burn Support Group. A huge thanks to Jeremy Spicer and his team who continually support our charity.

As the end of financial year is coming up, Manukau Nissan are offering a special rate for Market Valuation Certificates with all profits from this being donated to Burn Support Group. Please contact Jeremy and quote Burn Support Group to take advantage of this special offer. Phone: 09 261 4000



NEW FACES FOR BURN SUPPORT GROUP

We have had a few changes to Burn Support Group since the last newsletter.



Firstly a huge warm welcome to our newest member of our board **Mata La'akulu**.

Mata was burnt as an infant and I'm sure will bring us some fresh new ideas with her positive outlook on life. This photo was taken with Maia Amai (burn survivor and Wheel Black) at our children's camp.

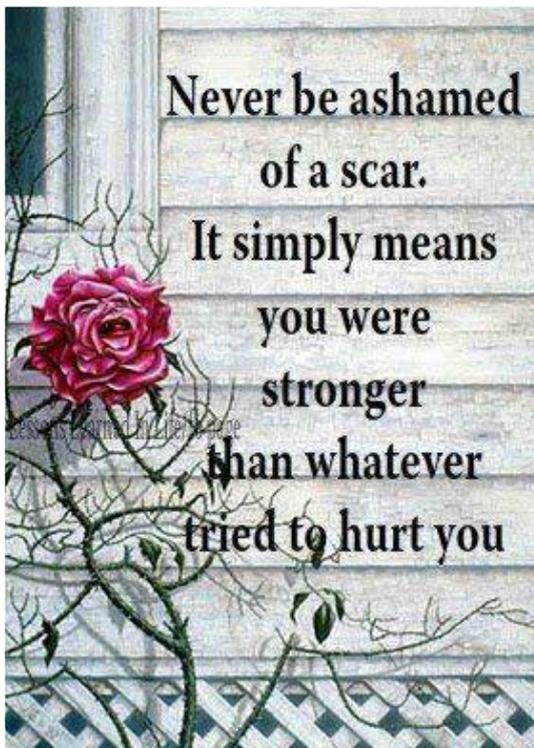
Our next new board member is a father of a child that attends our children's camp. **Paul Dragicevich** joins the Burn Support Group Charitable Trust board. He is very enthusiastic, and I'm sure will also provide another perspective as a parent of a burn survivor.

Paul is seen in this picture with another father of a burn survivor Dominic Hannon at our children's camp.



Lastly **Ann Stevens** has also come on as a Trustee along with Jan Steele and Mark Wiggins. Ann is also on the Burn Support Group Board. Those who have met Ann will love her enthusiasm and infectious laugh.

Welcome to Burn Support Group Charitable Trust Mata, Paul and Ann.



BURN SUPPORT GROUP CHRISTMAS PARTY

The sun shone as we all enjoyed each others company at the annual Christmas Party.

A great turn out with some old and some new faces. Spit Roast Catering served us a beautiful christmas meal and the bouncy castle kept the kids happy.



The Beauty of Disfigurement - by Alan Breslau

Over the 50 years since his accident, Alan has developed many concepts, theories and strategies to help disfigured people cope with the many problems and challenges facing them in their day to day lives. You can purchase this book through the Burn Support Group for \$30 plus \$5 p&p.

A percentage of sales goes to Burn Support

WINTER SAFETY TIPS

Clean chimneys and flues before your first fire of the season

Remember the metre from the heater rule - always keep furniture, curtains, clothes and children at least a metre away

Don't overload the clothes dryer and clean the lint filter after each cycle

Make sure the ceramic heater element is not broken or chipped and that the element guard is in place.

Get your electric blankets checked before the go back on your beds.

PHOENIX SOCIETY WORLD BURN CONGRESS APPLICATIONS



Burn Support Group would like to send TWO people to the Phoenix Society World Burn Congress in Indianapolis, Indiana. The congress runs from October 21-24, 2015. The congress consists of workshops, conversation, networking, professionals and speakers along with peer support. People come together to support and increase their knowledge and share inspiring stories.

If you are interested in attending please put in to writing a letter stating why you would like to go, what you would like to get out of it, and what you will give back to Burn Support Group from attending it.

Please email Nikki on nikki@burns.org.nz or post to Burn Support Group Charitable Trust, PO Box 97164, Manukau City, Auckland 2241.

for more information please visit Phoenix society's website: <http://www.phoenix-society.org/wbc/>

BURN SUPPORT GROUP RESOURCES

On a regular basis we send our resources out around the country to various groups - Plunkets, schools, kohanga reos etc.

We received these photos of some Mums receiving our safety magnets:



We also received this Thank You letter from Dawn at the Wainuiomata Police Station:

"Thank you so much for the resources for our prevention and safety packs for new members to Neighbourhood Support. Each member will receive one of these packs and hopefully all our safety messages will get through. Quite often a leaflet will end up in the recycling but your resources are probably

the best I have seen for a long while and appreciate your generosity "

DO YOU HAVE NEW DETAILS?

Please keep our database up to date so that we can keep you informed on events and happening with Burn Support Group. If you change address, email or phone numbers please let us know so we can update our records.

ADVERTISING

Are you a burn survivor or the parent/ caregiver or a friend of a burn survivor and feel that others might benefit from and be encouraged by your sharing your experience, please contact us and tell us about it.

if you would like to help contribute towards the production and distribution of our newsletter in return for advertising contact - nikki@burns.org.nz

If you have any concerns about the contents of this newsletter please don't hesitate in contacting us.

Yes I want to make a difference to the lives of burn survivors and their families

Please accept my donation of \$

Details:

My email address is:

I'd like to donate by:

- Online at www.burns.org.nz OR
- Enclosed cheque made payable to Burn Support Group Charitable Trust. (PO Box 97164, Manukau City, Auckland 2241)

Please contact me about:

- Making regular donations
- Leaving a bequest in my will

All donations to the BSG are tax deductible and receipted. Charities Commission No: CC48691.

The convenience of Brooks

No more ladders, rickety chairs or holes in the ceiling.
NO MORE EXCUSES



Control at the touch of a button with the
Brooks EIB450 RadioLINK Solution



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four functions**



BROOKS New Zealand

To find out more just give us a call on 0800 220 007

Unit 106, "The Zone", 23 Edwin Street, Mt Eden, Auckland 1024

Phone: 0800 220 007 Web: www.brooks.co.nz

BROOKS Australia

4 Pike Street Rydalmere NSW 2116

Phone: 1300 78 FIRE Web: www.brooks.com.au

FPANZ Council for 2015

Executive Director:	Keith Blind	Fire Protection Association
President:	David Nathan	Fire Security Services
Vice President:	Keith Blind	Fire Protection Association

ELECTED MEMBERS REPRESENTATIVES:

Aaron Nicholson	BECA
David Prosser	Tyco Fire Protection Products
Geoff Cardale	Fire Protection Inspection Services
Geoff Willis	Metalbilt Doors - a Division of RCR Infrastructure
Les Mellars	Active Fire Consultants
Maya Patterson	Property Brokers Compliance
Richard Stewart	AFAM
Simon Nathan	Fire Security Services
Kevin Borley	AMPAC
Kris Tocker	Ultrafire

CHAIRS, SPECIAL INTEREST GROUPS:

Ron Green	Passive Fire Protection Group
Jacqui Bensemam	Contractors Group
Jenny Maxwell, Ela Langford	Evacuation Consultants Group
Lance Hunt	HOFFE Group
Jason Godsmark	Inspectorate Group

ASSOCIATED INDUSTRY GROUP REPRESENTATIVES:

Ron Green	Association of Building Compliance
Graeme Quensell	Institute of Fire Engineers NZ Branch
John Lucas	Insurance Council of New Zealand
David Prosser	New Zealand Fire Equipment Manufacturers' Association
Rob Saunders	New Zealand Fire Service
Claire Williams	Society of Fire Professional Engineers (NZ Chapter)

BOARD MEMBERS:

President:	David Nathan
Vice President:	Keith Blind
Immediate Past President:	Mitchell Brown
Appointments:	Jacqui Bensemam Geoff Cardale Chris Mak David Percy David Prosser Joe Rose

LISTINGS

Current Financial Members of the Fire Protection Association of New Zealand Financial Year 2014/2015

PLATINUM MEMBERS



Argus Fire Systems Service Ltd
Chubb Fire & Security
Fire Security Services Ltd
Tyco New Zealand Ltd - Trading as - Wormald
Winstone Wallboards Ltd

GOLD MEMBERS



Ampac Pacific Ltd
Fire Fighting Pacific - Canterbury
Fire Protection Inspection
Services Ltd
Fire Solutions Limited
Firewatch New Zealand Ltd

First Fire Systems Ltd
Guardian Alarms Ltd
Nationwide Fire Protection Ltd
Pacific Building Services Ltd
Pertronic Industries Ltd
PSL - Phillips & Smith Ltd

South Pacific Fire Protection Ltd
Triangle Fire Protection Ltd
Tyco New Zealand Ltd - Trading
as - Tyco Fire Protection Products

SILVER MEMBERS



Tyco New Zealand Ltd -Trading as
- ADT Fire Monitoring NZ
Alan Wilson Insurance Brokers
Almak Ltd
AON New Zealand Ltd
Aquaheat New Zealand Ltd
Armitage Systems Ltd
Ask Metro Fire Limited
AssetCare Ltd
B & M Sprinkler Ltd
BECA Carter Hollings & Ferner Ltd
BRANZ Ltd

Compliance Fire Alarms Ltd
Compliance Fire Protection Ltd
Cowley Services Ltd
Ecoglo International Ltd
Fire & Mechanical Contracting Ltd
Fire Fighting Pacific - Nelson
Marlborough Fire Ltd
Fire Protection Compliance Ltd
Fire Protection Services Ltd
Fire System Maintenance Ltd
Hydroflow Distributors Ltd
Kingspan Insulated Panels Limited

RCR Building Products NZ Ltd
Trading as -Metalbilt Doors
Promat Australia Pty Ltd
Property Brokers Compliance Ltd
Safety First NZ Ltd
Select Alarms
Specialist Firestop Contractors Ltd
Tansley Electrical Ltd
Tech Group of Companies
Electrotech Controls Ltd
Viking Sales & Services Ltd

BRONZE MEMBERS



Active Fire Consultants Ltd
Advantage Fire Protection Ltd
AFAM Ltd
Affordable Fire Protection Ltd
Alarm and Power Services Ltd
Alarm New Zealand Ltd
Allproof Industries NZ Ltd
Amerex Fire Pacific (NZ)
Argest Technical Services
Auckland Independently Qualified
Persons Ltd
Babbage Consultants Ltd
Ballard Consulting
Brooks New Zealand Limited
BSC Fire Protection Ltd
Building & Fire Safety Ltd
Central Fire Design Ltd
CLC Consulting Group Ltd
Commercial Door Services Ltd
Complete Fire Protection Services Ltd
CoveKinloch Building Compliance
and Asset Management Limited
CSD Sealing Systems (NZ) Ltd-
Beele Australasia
Eastland Fire Compliance & Locking Ltd
Engineering Design Consultants
Enlightened Solutions Ltd
Fire & Building Compliance Ltd
Fire and Safty Training Ltd
Fire Corp Industries Ltd
Fire Engineering Services Ltd
Fire Extinguishers Ltd

Fire Group Consulting Ltd
Fire International (NZ) Ltd
Fire Protection Technologies Ltd
Fire Risk Management Ltd
Fire Safety Net Ltd
Fire Sprinkler Installations NZ Ltd
Fire System Inspections Ltd
Firetech Training Ltd
FM Insurance Company
Forman Building Systems
Galbraith Engineering Ltd
H.J Asmuss & Co Ltd
Hilti NZ Limited
HomeSafe Limited
HSM Fire
IAG New Zealand Ltd
Hills Building Technologies
James Hardie NZ
Kensway Fire Ltd
Laser Electrical Blenheim
Loktronic Limited - ViTech Division
Macdonald Barnett Partners Ltd
Mainland Extinguishers
Marsh Ltd
Maximus Fire Ltd
National Consultants Ltd
National Fire Protection Ltd
Nelson Alarms Ltd
Norman Disney & Young
Notifier Fire Systems
Nova Evacuation Services
Nova Flow-Tec Services Ltd

NZ Fire & Compliance Ltd
Oceania Tanks (A division of
Rendertech Ltd)
QBE Insurance (International) Ltd
Reclaim Limited
Red Alert New Zealand 2012 Ltd
Redfire Systems Ltd
Richdale Fire & Security 2012 Ltd
RJ Nelligan & Associates Ltd
Security Specialists Ltd
Shearer Contracting Ltd
Skycity Auckland Ltd
Smoke Control NZ Ltd
Southern Fire Protection Ltd
Southgate Fire and Safety
Spot On Fire Protection &
Compliance Ltd
Spot On Fire Protection Ltd
Steelguard Ltd
Stephenson & Turner NZ Ltd
Superior Electrical
Tag Safe Limited
Tasman PFV Ltd
Tasman Tanks New Zealand Ltd
Ultra Fire Protection
Vero Insurance NZ Ltd
Victaulic
Westland Fire Equipment Ltd
Xfire Ltd t/a Crossfire
Zone Architectural Products Ltd

INDIVIDUAL/ SUBSCRIPTION MEMBERS



David Thompson
Gareth Edwards
Graham Ramsey
Lusi Huang
Mike Vincent

Paul Clements
Peter Whitehead
Peter Matheson
Peter Gascoigne
Reid Watson

Stu Blair
Steve Larkins

LISTINGS

FPANZ Certified Evacuation Consultants as at April 2015

Jenny Maxwell**Safety First NZ Ltd**

PO Box 1830, Auckland
Level 1, 2, 3, 4

Les Mellars**Active Fire Consultants**

3A Arran Rd, Browns Bay
Level 1, 2, 3, 4

Chris Mellars**Active Fire Consultants**

3A Arran Rd, Browns Bay
Level 1, 2, 3, 4

Diane Thomson**Red Alert NZ 2012 Ltd**

PO Box 4515 Shortland St, Auckland
Level 1, 2, 3

Sandra Thomson**Red Alert NZ 2012 Ltd**

PO Box 4515 Shortland St
Auckland
Level 1, 2, 3, 4

Lian Khoo**Property Brokers Compliance Ltd**

P O Box 5004
Palmerston North 4441
Levels: 1, 2, 3, 4

John Llewellyn**Safety Fire New Zealand Limited**

PO Box 1830, Auckland 1140
Level 1, 2, 3, 4

Ian McKenzie**CoveKinloch Building Compliance Ltd**

PO Box 2571
Shortland Street, Auckland 1140
Level 1, 2, 3, 4

FPANZ Certified Fire Alarm Contractors as at April 2015

Aquaheat New Zealand Ltd

PO Box 51031, Tawa

Argus Fire Protection

PO Box 13508
Onehunga, Auckland

Armitage Group

PO Box 300 483
North Harbour, Auckland

Ask Metro Fire Limited

PO Box 84103, Westgate
Waitakere, Auckland

Chubb Fire & Services

PO Box 19616, Christchurch
All Branches

Compliance Fire Alarms

PO Box 18817, Christchurch

Cowley Services Ltd

PO Box 13782, Auckland

Tech Group of Companies

PO Box 3016, Napier

FFP Nelson Marlborough Fire Ltd

PO Box 2365, Stoke, Nelson

Fire System Maintenance

PO Box 29074,
Greenwoods Cnr, Auckland

Fire Fighting Pacific Canterbury

PO Box 22189, Christchurch

Fire Security Services

Private Bag 3207, Hamilton
All Branches

First Fire Systems

PO Box 112120, Penrose, Auckland

Guardian Alarms

73 Rugby Street, Mt Cook, Wellington
Auckland, Wellington & Christchurch branches

Select Alarms

PO Box 544, Hamilton

Triangle Fire Protection

PO Box 34 449
Birkenhead, Auckland

Property Brokers Compliance Ltd

PO Box 5004, Palmerston North

Fire Control Services Limited

PO Box 87-122
Meadowbank, Auckland 1742

LISTINGS

PLEASE NOTE Aon will be writing to contractors regarding 2015 renewals which are due shortly

Listed Sprinkler Contractors Provided by Aon

CONTRACTOR NAME	LISTING TYPE
Absolute Fire Protection	Provisional
Affordable Fire Protection	Provisional
ASF Total Fire Protection (Including Life Safety Service (2010) Ltd)	Full
Almak	Full
Aon Inspections Service	Full
Aquaheat Industries Ltd	Full
Argus Fire Systems Service Limited	Full
Armitage Group Limited	Full
Ask Metro Fire	Full
B&M Sprinkler Ltd	Full
Black and White Fire Systems (2011) Ltd	Provisional
BSC Fire Ltd	Full
Central Fire Design Limited	Full
Chubb Systems & Services Ltd Chubb NZ Ltd	Full
Compliance Fire Protection Ltd	Full
Cowley Services	Full
Dynamic Fire Protection	Full
Electrotech Controls Ltd	Full
Emergency Management Solutions	Full
Emerson Fire Protection Ltd	Provisional
Elite Fire Protection Ltd	Provisional
Fire Control Services Limited	Full
Fire & Mechanical Contracting Ltd	Full
Fire Fighting Pacific Canterbury Limited	Full
Fire First Systems Limited	Full
Fire Protection Inspection Service Ltd	Full
Fire Risk Management Ltd	Provisional
Fire Security Service Ltd	Full
Fire Solutions Limited	Full
Fire Sprinkler Installations NZ Ltd	Full
Fire System Inspections Ltd	Full
Fire System Maintenance Ltd	Full
Fire Systems Consultants	Provisional
FFP Nelson Marlborough Fire Ltd	Full
Homesafe Ltd	Full
Hudson Inspections	Full
JW Fire Equipment Services Ltd	Provisional
Kensway Fire Limited	Full
LA Inspection Services Ltd	Provisional
Maximus Fire Limited	Provisional
Nationwide Fire Protection Ltd	Full
Nelson Marlborough Fire Services Ltd	Full
Oceania Fire Protection	Full
Pacific Building Services	Full
Property Brokers	Full
Spotless Facility Service (NZ) Limited	Full
Triangle Fire Protection Ltd	Full
Southgate Fire & Safety Limited	Full
South Pacific Fire Protection Ltd	Full
Sprinkler Fitout Specialist Limited	Full
Ultra Fire Sprinkler Systems Ltd	Full
Unifire Ltd	Full
Wormald (Tyco New Zealand) Ltd	Full

LISTINGS

FPANZ Fire Extinguisher Service Agents as of April 2015

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argus.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Armitage Group	09 476 0936	www.armitagegrp.com	Auckland
Chubb Fire & Security Ltd	0800 800 535	www.chubb.co.nz	National through central contact
Compliance Fire Protection Ltd	(03) 382 1155	glenda@cfpl.co.nz www.compliancefire.co.nz	Christchurch
Eastland Fire Compliance & Locking Ltd	(06) 868 3333	geoff@efcl.co.nz www.efcl.co.nz	Gisborne & East Cape
Fire & Building Compliance Ltd	0800 488 758	info@fbc.co.nz www.fbc.co.nz	Auckland, Waikato, Tauranga, Turangi
Fire Control Services Ltd	0800 352 637	info@firecontrol.co.nz www.firecontrolservices.co.nz	National
Fire Fighting Pacific Canterbury Ltd	(03) 366 7889 (03) 688 9070	linda@ffp.co.nz timaru@ffp.co.nz www.ffp.co.nz	Christchurch Timaru Canterbury
Fire International (NZ) Ltd	09 524 8847	fireintern@clear.net.nz www.fireinternational.co.nz	Auckland
Fire Security Services Ltd	0800 114 611	robinm@firesecurity.co.nz www.firesecurity.co.nz	North Island
Firewatch (NZ) Ltd	0800 347 392	sales.support@firewatch.co.nz www.firewatch.co.nz	National through Agents
Mainland Extinguishers	(03) 544 9645	mainx@extra.co.nz	Richmond, Nelson
National Fire Protection (2006) Ltd	(09) 473 6102	nat-fire@extra.co.nz www.nationalfire.co.nz	Auckland, Rodney
Property Brokers Compliance Ltd	0800 226 675	compliance@propertybrokers.co.nz www.propertybrokers.co.nz	Lower North Island
Southern Fire Protection Ltd	(03) 476 7873	southernfire@extra.co.nz southernfire.co.nz	Dunedin
Spot On Fire Protection & Compliance Ltd	0800 428 758	spotonfire@ihug.co.nz	Matamata
Spot on Fire Protection Ltd	0800 444 700	spotonfireprotection@extra.co.nz www.spotonfireprotection.co.nz	Bay of Plenty
Westland Fire Equipment (2006) Ltd	(03) 762 5609	wfe2006@extra.co.nz	South Island West Coast -South Karamea to Haast
Wormald (NZ) Ltd	0800 4967 6253	Wormald.questions.nz@tycoint.com www.wormald.co.nz	National

FPANZ Recorded Fire Saves for March 2015

1/03/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage MATAURA, GORE DISTRICT	Structure Fire	Part failure, leak or break
1/03/2015	Automatic PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Unattended cooking
2/03/2015	Automatic PFA Call	Residential BIRKENHEAD, AUCKLAND	Structure Fire	Unattended cooking
3/03/2015	Manual PFA Call	Educational GEORGETOWN, INVERCARGILL CITY	Structure Fire	Unlawful
3/03/2015	Sprinkler PFA Call	Not Recorded FRANKTON, HAMILTON CITY	Not Recorded	Information not recorded
3/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MANGERE BRIDGE, AUCKLAND	Structure Fire	Failure to clean
4/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAITAIA, FAR NORTH DISTRICT	Structure Fire	Undetermined
4/03/2015	Automatic PFA Call	Health, Institutional GLENVIEW, HAMILTON CITY	Flammable Liquid, Gas Incident	Information not recorded
4/03/2015	Manual PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Vegetation Fire	Careless disposal or use: cigarettes, cigars, ashes, embers
4/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage RANGIURU, WESTERN BAY OF PLENTY DISTRICT	Structure Fire	Information not recorded
4/03/2015	Manual PFA Call	Not Recorded RANGIURU, WESTERN BAY OF PLENTY DISTRICT	Not Recorded	Information not recorded
5/03/2015	Automatic PFA Call	Residential PARNELL, AUCKLAND	Electrical Hazards	Information not recorded
5/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MATAWHEREO, GISBORNE DISTRICT	Structure Fire above	Mechanical failure, malfunction - not classified
6/03/2015	Other PFA Call	Rural, Farming, Forests MATAMATA, MATAMATA-PIAKO DISTRICT	Vegetation Fire	Reckless act (involving fire)
6/03/2015	Manual PFA Call	Not Recorded CAMBRIDGE, WAIPA DISTRICT	Not Recorded	Information not recorded
6/03/2015	Manual PFA Call	Educational MANGAKAKAHI, ROTORUA DISTRICT	Structure Fire	Equipment overloaded
6/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MAHORA, HASTINGS DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
7/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage ADDINGTON, CHRISTCHURCH CITY	Structure Fire	Short circuit, earth fault
7/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage ADDINGTON, CHRISTCHURCH CITY	Structure Fire	Equipment overloaded
7/03/2015	Manual PFA Call	Residential WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
8/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage NEWMARKET, AUCKLAND	Structure Fire	Flammable liquid/gas spilled or accidentally released
8/03/2015	Sprinkler PFA Call	Not Recorded PIPI TEA, WELLINGTON CITY	Structure Fire	Information not recorded
8/03/2015	Other PFA Call	Rural, Farming, Forests TE KUITI, WAITOMO DISTRICT	Miscellaneous Fire	Unlawful
9/03/2015	Automatic PFA Call	Not Recorded WADDINGTON, SELWYN DISTRICT	Not Recorded	Information not recorded
10/03/2015	Manual PFA Call	Educational WESTOWN, NEW PLYMOUTH DISTRICT	Structure Fire	Unattended cooking
10/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage GLENBROOK, AUCKLAND	Miscellaneous Fire	Carelessness with heat source - not classified above
10/03/2015	Manual PFA Call	Health, Institutional EPSOM, AUCKLAND	Structure Fire	Undetermined
11/03/2015	Manual PFA Call	Not Recorded ILAM, CHRISTCHURCH CITY	Not Recorded	Information not recorded
11/03/2015	Automatic PFA Call AUCKLAND CENTRAL, AUCKLAND	Transportation	Structure Fire	Deliberately lit fire - not classified above
12/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAITAIA, FAR NORTH DISTRICT	Structure Fire	Mechanical failure, malfunction - not classified above
12/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage ROSLYN, PALMERSTON NORTH CITY	Structure Fire	Other electrical failure
12/03/2015	Automatic PFA Call	Residential CHRISTCHURCH CENTRAL, CHRISTCHURCH CITY	Structure Fire	Short circuit, earth fault
13/03/2015	Other PFA Call	Commercial, Retail, Manufacturing, Storage UNDERWOOD, INVERCARGILL CITY	Flammable Liquid, Gas Incident	Information not recorded
13/03/2015	Manual PFA Call	Not Recorded GLENBROOK, AUCKLAND	Structure Fire	Information not recorded
14/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage ELLERSLIE, AUCKLAND	Structure Fire	Undetermined
14/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAITAIA, FAR NORTH DISTRICT	Structure Fire	Lack of maintenance
14/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAITAIA, FAR NORTH DISTRICT	Structure Fire	Lack of maintenance
14/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAITAIA, FAR NORTH DISTRICT	Structure Fire	Lack of maintenance

FPANZ Recorded Fire Saves for March 2015

15/03/2015	Manual PFA Call	Educational ISLAND BAY, WELLINGTON CITY	Structure Fire	Part failure, leak or break
15/03/2015	Manual PFA Call	Communications, Research EAST TAMAKI, AUCKLAND	Electrical Hazards	Information not recorded
16/03/2015	Automatic PFA Call	Educational LEVIN, HOROWHENUA DISTRICT	Structure Fire	Operating deficiency - not classified above
16/03/2015	Automatic PFA Call	Not Recorded OPOTIKI, OPOTIKI DISTRICT	Not Recorded	Information not recorded
16/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage SEDDON, MARLBOROUGH DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
16/03/2015	Manual PFA Call	Not Recorded MOUNT EDEN, AUCKLAND	Not Recorded	Information not recorded
17/03/2015	Manual PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Structure Fire	Unlawful
17/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Spontaneous ignition
18/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Structure Fire	Other electrical failure
18/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NEWTOWN, WELLINGTON CITY	Electrical Hazards	Information not recorded
18/03/2015	Manual PFA Call	Educational STRATHMORE PARK, WELLINGTON CITY	Structure Fire	Unattended cooking
18/03/2015	Manual PFA Call	Residential NEWTOWN, WELLINGTON CITY	Structure Fire	Unattended cooking
20/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NEWMARKET, AUCKLAND	Structure Fire	Unattended cooking
20/03/2015	Manual PFA Call	Residential LONGBURN, PALMERSTON NORTH CITY	Structure Fire	Undetermined
20/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage KAWERAU, KAWERAU DISTRICT	Electrical Hazards	Information not recorded
20/03/2015	Automatic PFA Call	Educational MASSEY UNIVERSITY, PALMERSTON NORTH	Structure Fire	Undetermined
21/03/2015	Automatic PFA Call	Utilities, Disposal KINLEITH, SOUTH WAIKATO DISTRICT	Miscellaneous Fire	Failure to clean
22/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Electrical Hazards	Information not recorded
23/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NELSON, NELSON CITY	Structure Fire	Unlawful
23/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage PARNELL, AUCKLAND	Electrical Hazards	Information not recorded
23/03/2015	Automatic PFA Call	Not Recorded KINLEITH, SOUTH WAIKATO DISTRICT	Chemical, Flammable Liquid or Gas Fire	Information not recorded
23/03/2015	Automatic PFA Call	Residential HERNE BAY, AUCKLAND	Structure Fire	Unattended cooking
24/03/2015	Automatic PFA Call	Not Recorded PANMURE, AUCKLAND	Not Recorded	Information not recorded
25/03/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
25/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage EAST TAMAKI, AUCKLAND	Structure Fire	Other electrical failure
27/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
27/03/2015	Automatic PFA Call	Not Recorded OAMARU NORTH, WAITAKI DISTRICT	Structure Fire	Information not recorded
27/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage SYDENHAM, CHRISTCHURCH CITY	Structure Fire	Information not recorded
27/03/2015	Manual PFA Call	Not Recorded TE ARO, WELLINGTON CITY	Not Recorded	Information not recorded
28/03/2015	Automatic PFA Call	Residential EPSOM, AUCKLAND	Structure Fire	Unattended cooking
28/03/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
28/03/2015	Automatic PFA Call	Not Recorded MOEREWA, FAR NORTH DISTRICT	Not Recorded	Information not recorded
28/03/2015	Automatic PFA Call	Recreational, Assembly PETONE, LOWER HUTT CITY	Structure Fire	Operating deficiency - not classified above
28/03/2015	Other PFA Call	Not Recorded LETTS GULLY, CENTRAL OTAGO DISTRICT	Not Recorded	Information not recorded
29/03/2015	Other PFA Call	Commercial, Retail, Manufacturing, Storage MOUNT WELLINGTON, AUCKLAND	Structure Fire	Improper startup or shut down procedures
30/03/2015	Automatic PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Unattended cooking
31/03/2015	Sprinkler PFA Call	Not Recorded WELLINGTON CENTRAL, WELLINGTON CITY	Not Recorded	Information not recorded
31/03/2015	Sprinkler PFA Call	Not Recorded MERIVALE, CHRISTCHURCH CITY	Structure Fire	Information not recorded

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Government Representatives

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Builders and Developers

Anyone interested in the Regulatory Sector

As well as offering a comprehensive Technical Programme with Key Sessions including Consenting, Inspection, Fire Regulation, and Plumbing and Drainage, this event also offers a complete social programme and expo, providing attendees with the perfect environment to expand your knowledge while delivering valuable networking opportunities that will help shape your professional development.

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Early Registrations close 1 March 2015

For more Information

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