



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 in 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.

Special Interest Groups

The Special Interest Groups have met and defined their 2 goals to achieve this year. It is important to note that SIGs need leadership and commitment to achieve plans and cannot do it in isolation. We have a great team of people who are helping us achieve a variety of initiatives so if you have a desire to become involved then contact the FPANZ office or the respective SIG Group Chairs.

Fire Australia, March 2015

In case you weren't aware, FPA Australia's *Fire Australia* Conference and Exhibition is being held on the Gold Coast, Queensland on March 25 and 26.

We have recently had a few enquiries from FPANZ members regarding their eligibility for the discounted member registration rate to this industry event. FPA Australia have kindly agreed to apply a membership discount – so to ensure this is applied correctly when completing the registration form, please write "FPANZ Member" on the form so the appropriate discount is applied.

Our Survey is now online

It is a timely position, as we all know that MBIE are reviewing the acceptable solutions and compliance process through a variety of stakeholder forums. What is also apparent is a lack of input from the wider FPANZ member base, as a majority of the respondents were fire engineers or consultants. In order to provide a balanced approach, FPANZ have met with the review panel and provided further submissions on key issues faced by industry.

We have committed with MBIE to a further FPANZ survey which is now available on our website at www.fpanz.co.nz to enable you as our members the ability to provide further input into what you see are the KEY issues that need review.

Membership

Thanks to those of you that have now completed your membership renewal process for the 2014/2015 financial year. If you have any questions about renewing your membership 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 members.

Marketing Brochure

We have completed the first of a series launching a new marketing brochure to raise the profile of the association's members in the wider marketplace and community. The brochure promotes the values of the FPA and benefits of people choosing FPA members over those who are not. The flyer is available to go in with your quotes to help create a point of difference when quoting against non-members and is available from the FPANZ website. The next flyer will be focussed on HOFFE.

FPANZ Listings

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

- FPANZ Certified Evacuation consultants
- FPANZ Certified Fire Alarm Contractors
- FPANZ 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 to also provide details of FPANZ passive installers and suppliers as well as a list of

› MARCH 2015 ISSUE

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Commentary *(continued)*

FPANZ Inspection providers as part of our drive to lift industry standards and identifying gaps in supporting our membership base. We at FPANZ receive lots of requests for recognised industry suppliers, and this is a great mechanism to promote a professional ethical membership base.

Industry Outlook

We look forward to working with all of our existing members and cementing relationships with new members and agencies over the coming year. The Fire Industry has over 500 individual companies that operate in the market and employ over 3700 staff. We are a significant contributor to the economy and play a vital part protecting billions of dollars of property and millions of people.

This recently was highlighted yet again in the proceedings and prosecution with the KIWI SELF STORAGE fire in Kilbirnie with a combined loss of over 9 million dollars and over 300 people directly affected by the event. As an Industry Association we have a direct focus to educate and advise on the benefits of fire protection and will continue to pursue this vision.

As the industry is in a growth cycle, it is very apparent we are limited by human resources at all levels. The focus for us in the Association is to help promote shortages in the workforce skill base and provide evidence to government agencies on why we need to attract labour from overseas markets or other related industries. The strategy that most employers face is to see their staff or subcontractors being approached to join other organisations based on a better pay packet and conditions which is clearly not a long term sustainable model.

I have included some industry statistics that in this newsletter that clearly show the lack of investment in human capital over the last 3-4 years is now creating an environment where employers are behaving unethically in attracting resource to help meet the growth in their workloads.

My message is simple.

"Attract new people to the industry and train them to succeed"

Enjoy the read, and keep safe.

Keith Blind, Executive Director, FPANZ



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 |
| ½ Page | \$900.00 | \$845.00/issue | \$810.00/issue | 12.5cm x 18cm |
| ⅓ Page | \$750.00 | \$705.00/issue | \$675.00/issue | 8.4cm x 18cm |
| ¼ Page | \$600.00 | \$560.00/issue | \$540.00/issue | 6.3cm x 18cm |
| ⅛ 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) |
|----------------------------|------------------------|-----------------------|--------------------|
| Full Page | Casual \$500 per month | 3 months total \$1500 | 25cm x 18cm |
| ½ 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@fireprotection.org.nz

FPANZ Passive Group Update

Author **Ron Green** – Passive Group Chair

We had a well attended meeting in February and again thanks to those who take their valuable time to input into their industry and make a difference. Being part of an Association is really important, as Associations have more persuasion and negotiation power than individuals. If part or all of your business is to do with Passive Fire Protection and currently you don't attend FPA Passive meetings, then please come along and participate and make a difference.

As a Sig Group of FPA we are required to have two goals for the year. The goals agreed at our last Sig Group meeting were:

1. Practical Passive Training

It was agreed that hands-on training is a high priority for FPA Members so we will be working on how best to undertake this. The aim will be to provide fire stopping systems that have been tested or approved to NZ Building Code requirements for penetrations of Sprinkler Pipes, Fire Alarm Cables and Conduits. There will also be a chance for various attendees to install these systems into plasterboard walls. We will also cover 'what if' scenarios and how to avoid getting it wrong! This will be an event that is designed for technicians and supervisors as they are at the 'cold face'. We will keep you informed of when and where this will take place.

2. Code of Practice

FPA Passive Sig Group commenced drafting a Code of Practice last year with five dedicated people giving up their

valuable time to draft a document that would be for the use of the industry. BRANZ will now be spearheading the project commencing April this year with the assistance of the FPA and other parties. A conference call was held recently with BRANZ and other parties to briefly discuss the project. This is a large project and the FPA SIG Group are committed to make this happen although it won't be finished this calendar year however a significant amount of work will be undertaken by Christmas. It is anticipated at this stage the document will be completed in 2016 and a roadshow be undertaken by BRANZ and others to educate all interested parties.

Last year in two newsletters we had a few questions with ZERO response which was disappointing and sad as we know Passive is a large issue in NZ and most contractors will be affected.

This year I want you to ask the questions and we will answer your questions. Its called the '*Dear Ron Spot*' – if you wish, we won't advertise the company or name so you can relax! All questions will go into a draw for a free two-hour training session at your premises on Passive by Ron Green. For those outside Auckland I will either provide the training if I am in your area in the next six months or will provide two hours worth of passive technical advice. What have you got to lose?

For questions received, I will select some and issue them in the newsletter with the answers. Looking forward to your questions!

HOFFE Survey Project

The Fire Service is still undertaking the Hand Operating Fire Fighting Equipment (HOFFE) survey project.

Currently data is being collected on the use and effectiveness of portable extinguishers through two surveys, for which the NZFS would like to ask your cooperation.

More information on the project and a link to both surveys can be found on: <http://www.fire.org.nz/Fire-Safety/Safety-Devices/Pages/HOFFE-project-survey.html>  **CLICK TO OPEN LINK**

As indicated in previous newsletters, the survey has been up and running for a few months now, and it is obvious that many service agents have simply adopted the survey form as part of their day to day operations. Especially into the new year the participation in the survey has significantly increased.

However, in order to achieve the 500 survey goal the uptake must at least remain constant and preferably increase over the coming months.

Thank you for your continued support and for the ones not involved yet, please get in behind the industry and lend your support to this important project.



Inspectorates Special Interest Group Update

Author **Jason Godsmark** – Inspectorates SIG Group Chair

Last month, Keith kindly volunteered me to prepare a short presentation to be given at the FPA members meeting. The theme was *"Completing Work ready for Inspection, The Key Issues for Fire Protection Contractors Around Gaining Compliance"*. My investigations found the problems could be broken down into the following three areas:

- Paperwork;
- Quality Assurance; and
- Time.

While some of the specifics for Fire Alarm and Fire Sprinkler inspections may differ the problems found apply equally to both.

Paperwork

Without the correct paperwork, it is difficult for Inspectors to do their jobs correctly and then provide the correct certificates and letters to allow signoff and compliance of the fire systems. Some of the common paperwork items that will hold up final signoff are:

- Fire reports/specifications
- Drawings
- Consent details
- Connection letters
- Correctly filled out SSC applications Forms 1, 5, storage declarations
- Battery calculations
- Commissioning results
- AA Panel configs
- Order numbers.

We all know that the paperwork war is getting bigger by the day – but the earlier you can get it in, the quicker you will get your paperwork back at the end of the job.

Quality Assurance

Inspectors are NOT a substitute for good QA.

99% of all the problems inspectors find on sites should be found and rectified before they get there if there is a robust QA system in place. Installation companies need to work harder on quality checks throughout the installation process – this will lead to fewer last-minute faults being found, and a much smoother transition at the end of a job.

If you are unsure about a particular part of your design, or have a tricky situation that may have an unclear interpretation with the relevant code ASK, it is far better ask a question early in the project about that slightly tricky piece, than it is to get to the end and discover you got it wrong and the inspector won't sign it off.

Time

The biggest issue for getting systems signed off is time. If all of the above is left to the last minute, then it is nearly impossible to get the signoff done in a timely manner. Plan your inspections, get the paperwork in as soon as you can. If you have a fixed date for completion, give your inspector some warning so they can pencil it in and prepare documentation if needed.

From the SSC Regarding Timing and Paperwork

We realise that sometimes jobs for one reason or another mean that documentation won't come through until the last minute. This should be the exception, not the rule. All efforts will be made to help get projects across the line when this happens, however if a trend starts to form with people/companies, they may find that we are less likely to put aside other work to help.




Evacuation Consultants Group Update

Authors **Jenny Maxwell and Ela Langford** – EVAC Group Chairs

We have moved into 2015 and trust your year began well for you.

More changes are afoot, and as previously noted, a review by MBIE in conjunction with FPANZ is underway, reviewing the acceptable solutions and compliance processes. As a Special Interest Group we have been invited to comment on this process via the online survey provided by FPANZ. The survey aims to allow wider industry input into what other stakeholders see as the key issues that need to be considered for review. We anticipate primarily changes within the legislative requirements and the Fire Service hands on approach to compliance. From the chairs we like to extend an invitation to all our fellow evacuation consultant to take up the opportunity to voice your concern, and partake in the online survey before the closing date of the 31st of March 2015.

As chairs we feel this is a wonderful opportunity and not to be missed, to get actively involved in helping to shaping the future. So everyone, your views are now integral to this process please take the time and go to the FPANZ website online:

<http://www.fireprotection.org.nz/memberships/survey>  [CLICK TO OPEN LINK](#)

Whilst you are on the FPANZ site explore the news events and seminars section, make a note in your diary of upcoming meetings and events and be part of the industry community. We can ensure success as a SIG group by hearing each others concerns and ideas, working together and create greater communication and collaboration across our wider industry sector.

We look forward to seeing you all at our next meeting.


Fire Detection – what was, and what could have been.

Author **Todd O'Donoghue** – NZFS

Just before midnight on 4 March a private fire alarm call was received to a coolstore just out of Te Puke. As appliances responded they also started to receive 111 calls confirming a fire in the coolstore. Several hours later this large fire was extinguished.


While the owners of the coolstore expressed gratitude to the fire service for quick and responsive action that averted a far bigger disaster, it should be recognized that a fire alarm system played an important part in ensuring the fire service were alerted of this incident as early as possible.

Read more about the fire here:  [CLICK TO OPEN LINK](#)

This fire came only a week after the Assistant Area manager for the fire service had expressed concerns regarding the lack of water supplies at coolstores in the area (read more here): 

While a good water supply is crucial for fire service operations, a number of other aspects are also important for the management of the fire risk in these types of facilities. These include effective fire detection/suppression systems and the appropriate separation of buildings and plant rooms on sites.

The Insulated Panel Council Australasia Ltd have published a Code of Practice relating to these types of buildings, which can be read here: 

A month earlier on Waitangi day, a fire in another commercial building in Tauranga caused \$2 million dollars worth of damage. Read about the fire here and watch CCTV footage of the fire starting: 

The call to this fire was received by the 111 phone system, looking at the CCTV footage imagine how some form of smoke detection in this building may have helped with an earlier call to the fire and therefore more property being saved.

We must take every opportunity to continue to turn loss into learning to help show the value of fire protection systems in buildings.



Fire begins at the Oakside coolstore in Rangiora Rd, near Te Puke. Photo/Greer Herbert, NZ Herald



Fire takes over the coolstore. Photos/Greer Herbert, NZ Herald



Firefighters at the Seeka coolstore. Photo/John Borren, NZ Herald



Fire takes over the coolstore. Photos/Greer Herbert, NZ Herald

FPANZ EVENT SCHEDULE 2015

Event Schedule March - July 2015

| | | |
|------------------------|---|-----------------------|
| 16th March 2015 | Passive Fire Protection CPD Roadshow | Wellington |
| 17th March 2015 | Passive Fire Protection CPD Roadshow | Christchurch |
| 18th March 2015 | Passive Fire Protection CPD Roadshow | Dunedin |
| 19th March 2015 | Passive Fire Protection CPD Roadshow | Queenstown |
| 26th - 27th March 2015 | FPA Australia Conference | Gold Coast, Australia |
| 19th - 22nd April 2015 | BOINZ - Akl Conference | Auckland |
| 20th April 2015 | HOFFE Group SIG Meeting | Auckland |
| 21st April 2015 | Passive 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 |
| 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 |



Free Passive Fire Protection CPD Roadshow!



In February, Productspec + Smartspec along with GIB, Hilti, and Dulux plus the help of FPANZ and the NZ Fire Service held the Passive Fire Protection Roadshow in Auckland, Hamilton and Tauranga. This March, they are taking it to Wellington, Christchurch, Dunedin and Queenstown!

Architects, Designers, Engineers, Contractors, and other industry professionals are invited to join us to learn about the the design and construction of fire walls (GIB® systems), penetrating fire walls (Hilti Systems), and understanding surface finish properties (Dulux Systems).

At the completion of the session you're welcome to enjoy our hospitality and network with the NZ Fire Department Fire Engineers, attendees, and material suppliers.

This session qualifies you for 25 NZRAB, 5 ADNZ, and 2.5 LBP CPD points.

Click on your preferred location below to register:

Remaining Events: Click to register

WELLINGTON / Wharewaka
Monday 16 March / 3:00 - 5:30pm

CHRISTCHURCH / Hagley Pavilion
Tuesday 17 March / 3:00 - 5:30pm

DUNEDIN / Dunedin Art Gallery
Wednesday 18 Mar / 3:00 - 5:30pm

QUEENSTOWN / Lake Hayes Pavilion
Thursday 19 Mar / 3:00 - 5:30pm



PRODUCTSPEC
SMARTSPEC



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 (HOFPE) 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 HOFPE.

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

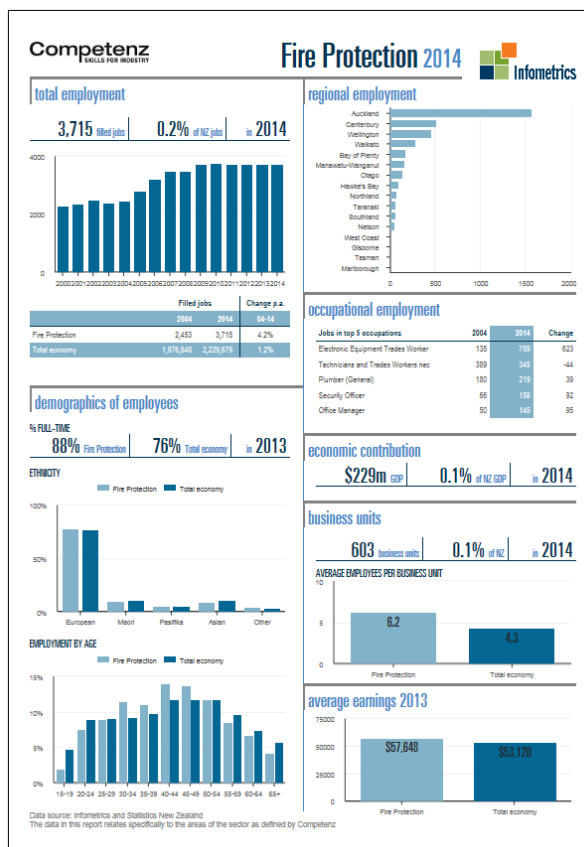
Fire Industry Human Resource Levels

The following industry statistics clearly show the lack of investment in human capital over the last 3-4 years, that is now creating an environment where employers are behaving unethically in attracting resource to help meet the growth in their workloads.

Infometrics

Competenz Industry Profiles provide:

- estimates of employment trends, occupational trends (to 1,000 categories), GDP, earnings, business units and their characteristics that are **updated annually**
- demographic characteristics including age, sex, ethnicity, highest qualification, and country of birth
- detailed annual employment forecasts out to 2019.



Employment by skill level (2014)

2014 Total economy Update

| Skill level | Fire Protection | | Total economy | |
|---------------------|-----------------|-------------|------------------|-------------|
| | Jobs | % of total | Jobs | % of total |
| High skilled | 860 | 23.1% | 845,120 | 37.9% |
| Medium-high skilled | 390 | 10.5% | 243,212 | 10.9% |
| Medium skilled | 1,687 | 45.4% | 279,414 | 12.5% |
| Low skilled | 778 | 20.9% | 861,933 | 38.7% |
| Total | 3,715 | 100% | 2,229,678 | 100% |

Download table data

Employment by 1-digit occupation (2014)

2014 Total economy Update

| Occupation | Fire Protection | | Total economy | |
|--|-----------------|--------------|------------------|--------------|
| | Employment ↓ | % of total ↓ | Employment ↓ | % of total ↓ |
| Technicians and trades workers | 1,678 | 45.2% | 264,554 | 11.9% |
| Managers | 679 | 18.3% | 414,742 | 18.6% |
| Clerical and administrative workers | 474 | 12.8% | 267,807 | 12.0% |
| Community and personal service workers | 428 | 11.5% | 200,945 | 9.0% |
| Professionals | 240 | 6.5% | 516,659 | 23.2% |
| Sales workers | 135 | 3.6% | 205,640 | 9.2% |
| Labourers | 61 | 1.7% | 239,027 | 10.7% |
| Machinery operators and drivers | 20 | 0.5% | 120,306 | 5.4% |
| Total employment | 3,715 | 100% | 2,229,678 | 100% |

Download table data

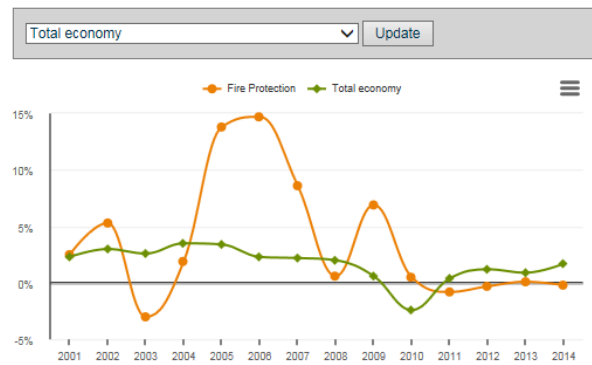
Employment by skill level 2014



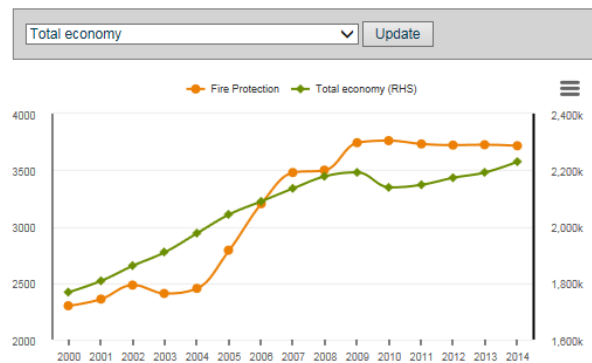
Employment by broad occupation 2014



Growth in employment



Number employed



Growth in Employment

Total economy

| Year | Fire Protection | | Total economy | |
|------|-----------------|--------|---------------|--------|
| | Employment | Change | Employment | Change |
| 2000 | 2,299 | | 1,767,906 | |
| 2001 | 2,358 | 2.5% | 1,807,779 | 2.3% |
| 2002 | 2,482 | 5.3% | 1,861,586 | 3.0% |
| 2003 | 2,408 | -3.0% | 1,909,830 | 2.6% |
| 2004 | 2,453 | 1.9% | 1,976,648 | 3.5% |
| 2005 | 2,791 | 13.8% | 2,042,983 | 3.4% |
| 2006 | 3,202 | 14.7% | 2,089,175 | 2.3% |
| 2007 | 3,478 | 8.6% | 2,135,307 | 2.2% |
| 2008 | 3,499 | 0.6% | 2,178,073 | 2.0% |
| 2009 | 3,742 | 6.9% | 2,191,694 | 0.6% |
| 2010 | 3,760 | 0.5% | 2,138,710 | -2.4% |
| 2011 | 3,731 | -0.8% | 2,147,882 | 0.4% |
| 2012 | 3,721 | -0.3% | 2,172,848 | 1.2% |
| 2013 | 3,724 | 0.1% | 2,192,036 | 0.9% |
| 2014 | 3,715 | -0.2% | 2,229,679 | 1.7% |

Employment by skill level (2014)

2014

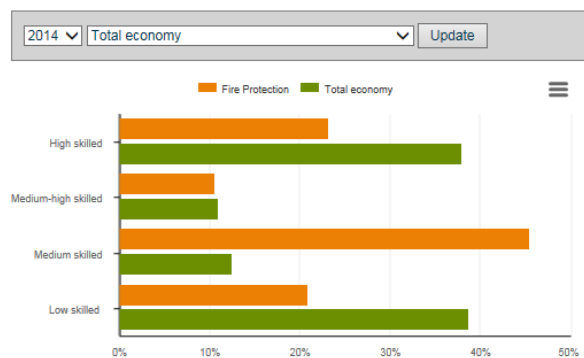
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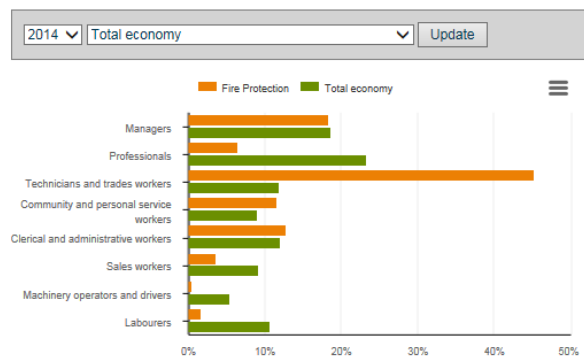
2014

| Occupation | Fire Protection | | Total economy | |
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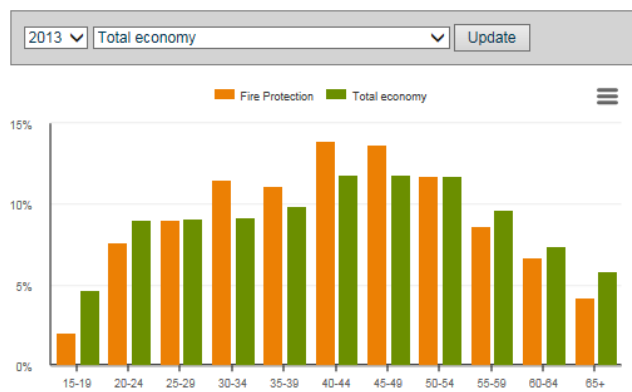
Employment by skill level 2014



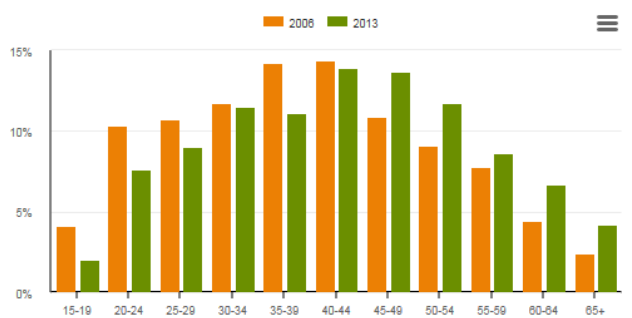
Employment by broad occupation 2014



Employment by Age 2013



Employment by Age, 2006-2013



Total Competenz Update

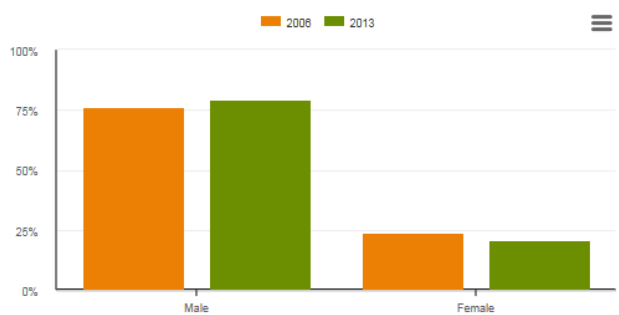
| Age | Fire Protection | | | | Total economy | |
|-------------------|-----------------|-------|------------|-------|---------------|-------|
| | Employment | | % of total | | % of total | |
| | 2008 | 2013 | 2008 | 2013 | 2008 | 2013 |
| 15-19 Years | 133 | 76 | 4.1% | 2.0% | 6.9% | 4.7% |
| 20-24 Years | 329 | 284 | 10.3% | 7.6% | 9.2% | 9.0% |
| 25-29 Years | 342 | 334 | 10.7% | 9.0% | 9.1% | 9.1% |
| 30-34 Years | 376 | 430 | 11.7% | 11.5% | 10.6% | 9.2% |
| 35-39 Years | 454 | 412 | 14.2% | 11.1% | 11.7% | 9.9% |
| 40-44 Years | 462 | 517 | 14.4% | 13.9% | 12.7% | 11.8% |
| 45-49 Years | 349 | 509 | 10.9% | 13.7% | 12.2% | 11.8% |
| 50-54 Years | 293 | 436 | 9.1% | 11.7% | 10.3% | 11.7% |
| 55-59 Years | 248 | 319 | 7.8% | 8.6% | 8.8% | 9.6% |
| 60-64 Years | 141 | 251 | 4.4% | 6.7% | 5.3% | 7.4% |
| 65 years and Over | 75 | 157 | 2.4% | 4.2% | 3.3% | 5.8% |
| Total | 3,202 | 3,724 | 100% | 100% | 100% | 100% |
| Average age | 40.1 | 43.1 | | | 40.9 | 43.0 |

Download table data

Employment by Gender 2013



Employment by Gender, 2006-2013



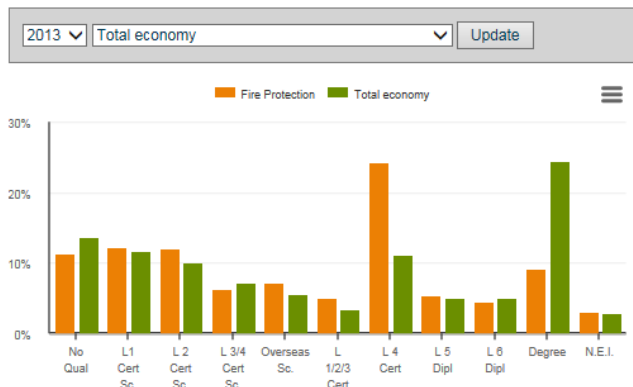
Employment by Gender

Total economy Update

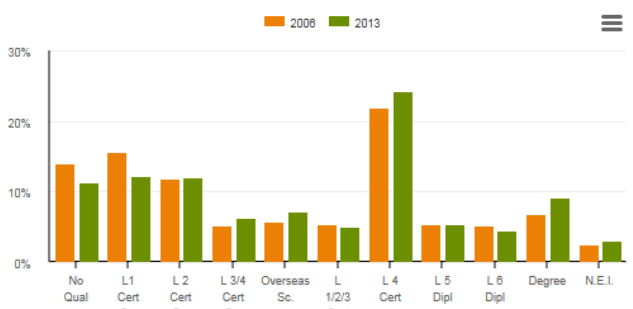
| Gender | Fire Protection | | | | Total economy | |
|--------|-----------------|-------|------------|-------|---------------|-------|
| | Employment | | % of total | | % of total | |
| | 2008 | 2013 | 2008 | 2013 | 2008 | 2013 |
| Male | 2,443 | 2,957 | 76.3% | 79.4% | 53.0% | 52.5% |
| Female | 758 | 767 | 23.7% | 20.6% | 47.0% | 47.5% |
| Total | 3,202 | 3,724 | 100% | 100% | 100% | 100% |

Download table data

Employment by Highest Qualification 2013



Employment by Highest Qualification, 2006-2013



Employment by Highest Qualification

Total economy

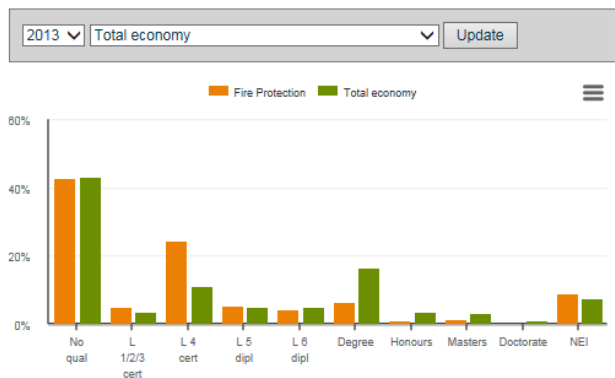
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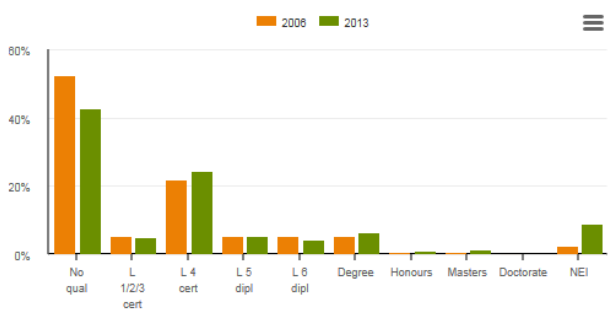
| Highest Qualification | Fire Protection | | | | Total economy | |
|--|-----------------|-------|------------|-------|---------------|-------|
| | Employment | | % of total | | % of total | |
| | 2006 | 2013 | 2006 | 2013 | 2006 | 2013 |
| No Qualification | 452 | 423 | 14.1% | 11.4% | 17.8% | 13.6% |
| Level 1 Certificate Gained at School | 500 | 455 | 15.6% | 12.2% | 13.4% | 11.6% |
| Level 2 Certificate Gained at School | 380 | 447 | 11.9% | 12.0% | 9.9% | 10.1% |
| Level 3 or 4 Certificate Gained at School | 168 | 231 | 5.2% | 6.2% | 5.7% | 7.1% |
| Overseas Secondary School Qualification | 183 | 264 | 5.7% | 7.1% | 4.6% | 5.5% |
| Level 1, 2 or 3 Certificate Gained Post-school | 174 | 188 | 5.4% | 5.1% | 4.7% | 3.5% |
| Level 4 Certificate Gained Post-school | 701 | 904 | 21.9% | 24.3% | 11.5% | 11.2% |
| Level 5 Diploma | 170 | 198 | 5.3% | 5.3% | 4.5% | 5.0% |
| Level 6 Diploma | 167 | 166 | 5.2% | 4.5% | 5.8% | 5.1% |
| Bachelor Degree or Higher | 222 | 339 | 6.9% | 9.1% | 19.1% | 24.4% |
| Not Elsewhere Included | 79 | 114 | 2.5% | 3.1% | 3.1% | 2.9% |
| Total | 3,202 | 3,724 | 100% | 100% | 100% | 100% |

Download table data

Employment by Highest post-school qualification 2013



Employment by Highest post-school qualification, 2006-2013



Employment by Highest post-school qualification

Total economy

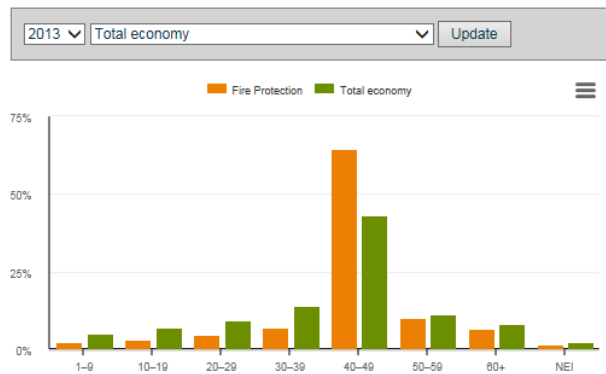
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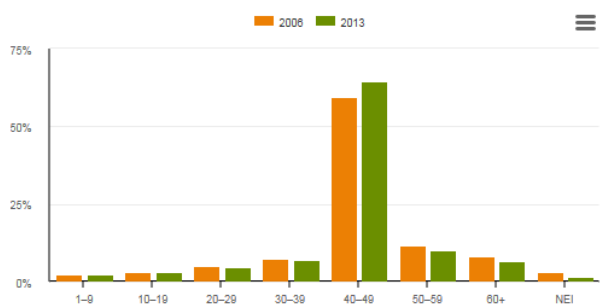
| Highest post-school qualification | Fire Protection | | | | Total economy | |
|---|-----------------|-------|------------|-------|---------------|-------|
| | Employment | | % of total | | % of total | |
| | 2006 | 2013 | 2006 | 2013 | 2006 | 2013 |
| No Post-school Qualification | 1,679 | 1,596 | 52.4% | 42.9% | 51.3% | 43.1% |
| Level 1, 2 or 3 Certificate | 177 | 185 | 5.5% | 5.0% | 4.7% | 3.5% |
| Level 4 Certificate | 704 | 905 | 22.0% | 24.3% | 11.5% | 11.2% |
| Level 5 Diploma | 170 | 198 | 5.3% | 5.3% | 4.5% | 5.0% |
| Level 6 Diploma | 170 | 163 | 5.3% | 4.4% | 5.8% | 5.1% |
| Bachelor Degree and Level 7 Qualification | 173 | 242 | 5.4% | 6.5% | 13.3% | 16.4% |
| Post-graduate and Honours Degrees | 19 | 40 | 0.6% | 1.1% | 2.4% | 3.6% |
| Masters Degree | 26 | 52 | 0.8% | 1.4% | 2.5% | 3.3% |
| Doctorate Degree | 5 | 5 | 0.2% | 0.1% | 0.8% | 1.0% |
| Not Elsewhere Included | 79 | 337 | 2.5% | 9.0% | 3.1% | 7.7% |
| Total | 3,202 | 3,724 | 100% | 100% | 100% | 100% |

Download table data

Employment by Hours worked 2013



Employment by Hours worked, 2006-2013




Employment by Hours worked

Total economy ▼ Update

| Hours worked | Fire Protection | | % of total | | Total economy | | % of total | |
|-------------------------|-----------------|--------------|-------------|-------------|---------------|-------------|------------|------|
| | 2006 | 2013 | 2006 | 2013 | 2006 | 2013 | 2006 | 2013 |
| 1-9 Hours Worked | 76 | 90 | 2.4% | 2.4% | 4.9% | 5.0% | | |
| 10-19 Hours Worked | 95 | 111 | 3.0% | 3.0% | 7.3% | 7.1% | | |
| 20-29 Hours Worked | 158 | 178 | 4.9% | 4.8% | 8.3% | 9.2% | | |
| 30-39 Hours Worked | 235 | 257 | 7.3% | 6.9% | 12.1% | 14.0% | | |
| 40-49 Hours Worked | 1,903 | 2,410 | 59.4% | 64.7% | 41.1% | 43.1% | | |
| 50-59 Hours Worked | 376 | 376 | 11.7% | 10.1% | 11.9% | 11.2% | | |
| 60 Hours or More Worked | 259 | 247 | 8.1% | 6.6% | 9.6% | 8.2% | | |
| Not Elsewhere Included | 100 | 54 | 3.1% | 1.5% | 4.7% | 2.3% | | |
| Total | 3,202 | 3,724 | 100% | 100% | 100% | 100% | | |

Download table data

SAFETY SPOTLIGHT

- Key Charter performance people don't forget – **signatories need to complete the Charter Assessment Tool by 28 February.**
Access the online tool here 
- **Occupational health nurses will be out on rebuild sites in March** offering free health checks, education about occupational health risks in construction and also providing food, drink bottles and giveaways. If you'd like to book your site in now, contact donna.burt@worksafe.govt.nz
- **Do you work with contractors and subbies that are not Charter members?** Why not encourage them to sign up? Get them to email us at info@safetycharter.org.nz
- **Need to order more Charter material for your sites, offices and vehicles?** Contact us at info@safetycharter.org.nz for an order form and don't forget you can have the signed Charter banner on display at your site or office.

Graham's View

The Steering and Working Groups for the Canterbury Rebuild Safety Charter have now finalised a work plan for 2015 which has a significant amount of activity to help improve health and safety on all our sites across the rebuild. We'll be sharing some of this detail at our next meeting on 12 March.

With this increase in activity, the Steering Group met in December 2014 and agreed to implement a membership funding scheme for the Charter.

Up until now the Charter costs have been largely funded by WorkSafe New Zealand and ACC. Both agencies have agreed to continue funding some of the larger projects listed in the 2015 plan which is excellent news. However for us to be able to achieve our programme annual contributions will now be required from all signatories – with contributions based on the size of the business, as detailed below:



| Full time employee count | 0 | 1-5 | 6-9 | 10-19 | 20-49 | 50-99 | 100+ |
|--------------------------------|------|-------|-------|-------|---------|---------|---------|
| Suggested amount per signatory | \$50 | \$100 | \$250 | \$500 | \$1,000 | \$1,500 | \$3,000 |

Endorsees will be able to make a contribution as 'sponsors'.

Industry funding will allow the Charter to continue providing leadership and resources to grow H & S capability. We have committed to a very comprehensive work programme for 2015 and I hope, like me, you will see significant value from your membership of the Charter. We expect to issue invoices by June for the 1 July 2015 financial year.

One of the tangible benefits of Charter membership is the assessment tool. This online resource allows signatories to measure their performance against the 10 commitments. It also gives Charter members a big picture view of H&S in the rebuild and helps determine where we should be focusing training and resources to help fill gaps and raise standards.

All signatories have been asked to complete the assessment tool by 28 Feb – Visit the website to access the online tool. If you are not signed up to the tool, contact your Key Charter Person. If you are unsure who that is contact us at info@safetycharter.org.nz and we will let you know.

Graham Darlow
Charter Steering Group Chair

Critical Risk Campaign – Phase Two

CHARTER NEWS

Our feedback on the critical risk campaign, which included the posters in Hirepool portaloo, has shown strong support for it to continue to phase two. As a result we're delighted to release the next four posters and toolbox talks in the series.

From next month the campaign will now focus on critical risks associated with working in confined spaces, hot works, workplace violence and electricity. You can download the posters and toolbox talks here.

Posters will be put up in Hirepool portaloo (thanks again for their support!) and site managers and H&S reps are encouraged to support the poster's visual message with the accompanying toolbox talk. By layering and reinforcing messages, we will be helping to create behavior change on site.

We'd love to hear what you think and how you're using the posters and toolbox talks. Email us at info@safetycharter.org.nz



ACC Data Update

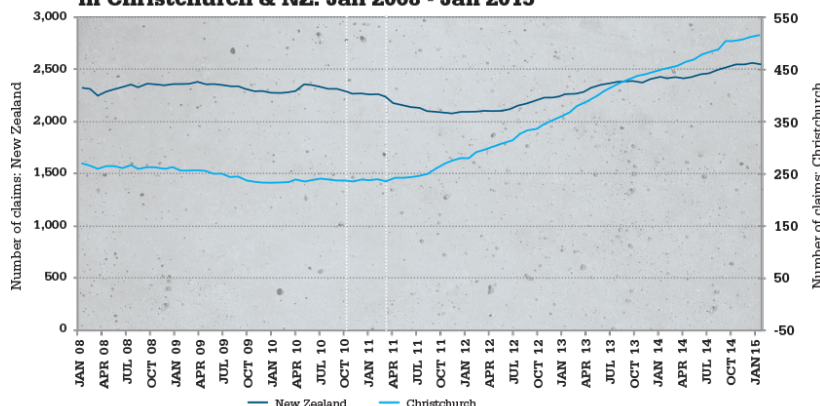
New construction-related claims in Canterbury showed a slight increase for January (516 received compared with 504 in November 2014*). Those claims that become entitlement claims – that is where a person requires more than 5 days off work – increased slightly from those recorded in November (70 for November; 73 in January). The average cost of claims in the first 12 months post-injury remained steady at \$1996.

Earthmoving and machinery operators recorded the largest increase in claims by occupation – up 35.8% over the past 12 months.

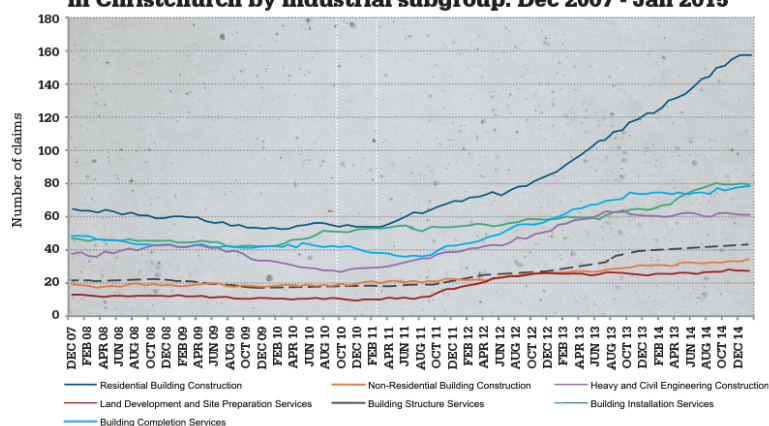
The residential building sector continues to dominate claims, recording almost 160 claims in January. Labour supply services (on hire industry) showed a leveling off for claims in January – the first time the industry has not recorded an increase since around October 2013.

**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 - Jan 2015



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



YOUR STORY

Making Light Work of the Assessment Tool

It's not often you get the chance to take a long hard look at your business – and even less likely you'd do it through a H & S lens. But Corbel Construction has managed to combine their annual planning processes with a look at how they integrate H & S into the way they do business.

"I consider H & S as one of the key reasons why our business is successful," says Corbel's Business Excellence Manager, Kristina Wischnowsky. "This year, we decided to embed our Charter commitments into our business planning process and the result is a very clear direction on where we need to focus our H & S efforts."

Using the assessment tool, Corbel project managers, quantity surveyors and senior managers reviewed their current performance against the 10 commitments and then used the results to determine the specific areas where they needed to focus to improve.

The Corbel team also made use of the comprehensive guide that supports the tool, and helps signatories provide more accurate information.

"The assessment tool and the guide are a great way to see where you are, in terms of your H & S, but its real value lies in its ability to help your business focus on any gaps or areas that need improvement. We now have a clear understanding of where we need to focus our H & S investment to ensure we sustain and grow the success of our business."

"The guys loved it so much that they are looking at pilfering the levels from the guide (Beginning, Developing, Meeting and Leading) for the development of the organisation's leadership development. There is no higher form of support than stealing!"

Charter signatories have been asked to complete their self-assessment by 28 February. Visit the website to access the online tool. If you are not signed up to the tool, contact your Key Charter Person. If you are unsure who that is contact us at info@safetycharter.org.nz and we will let you know.



Kristina (centre) working with the Corbel team to develop business safety goals using the Charter assessment tool.

**CANTERBURY REBUILD SAFETY CHARTER**

Employee Engagement with the Charter

One of the Charter's 10 commitments is to ensure businesses have systems in place to encourage and support worker engagement in health and safety.

At its December 2014 meeting, the Charter Steering Group agreed to appoint a 'Charter Project Officer', whose role will be to support worker understanding of the Charter and participation in H & S. This role will also complement the work of Charter senior leaders in raising the profile of the Charter and H & S.

As well as visiting construction sites to discuss and raise awareness of the Charter, the Charter Project Officer will encourage workers to participate in a survey to gauge employee participation in H & S, involvement by health and safety representatives on site and worker views on general site health and safety.

The Charter Project Officer role will be contracted to the Council of Trade Unions and will be based at Safe Rebuild Canterbury's offices. We hope to recruit the Charter Officer in April.

COMING UP

Safety Charter quarterly event – 2015 in the rebuild, where we're heading

Fletcher Construction is pleased to invite you to the first Safety Charter event for 2015 to hear from CERA on the state of the rebuild to date, and what progress we can expect to see in 2015.

We'll also hear from Cos Bruyn, General Manager NZ for Downer, and a member of the Business Leaders' Health and Safety Forum, on safety culture and what it means to lead H&S change from the top.

Another 15 signatories will also officially sign the Charter.

Where: The Show Gate, Riccarton Raceway, 165 Racecourse Road, Christchurch

When: Thursday, 12 March 2015

RSVP: to info@safetycharter.org.nz by 4 March 2015 to confirm your attendance

**12
MAR****4.30pm – 6.30pm**

WorkSafe New Zealand trade breakfast – Occupational health and dust in construction

Details and invites to come shortly.

Where: Rydges Latimer, Christchurch

When: Thursday, 26 March 2015

RSVP: to liz.richardson@worksafe.govt.nz by 18 March 2015

**26
MAR****7.00 – 9.00am**

JOIN THE SAFETY CHARTER.

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

At 1 February 2015 there were over 180 signatories and endorsees to the Charter, significant growth since July 2013 when the Charter was launched with 51.

However we still have a large group of organisations to reach, many of them contractors or smaller operators within the rebuild community and in construction and related industries.

To help us grow membership to more than 300 by 30 June this year, we are asking you to sign up with 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.

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

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.

BRANZ

BUILDING INFORMATION BULLETIN

Residential Fire Sprinklers

SUMMARY

A previous BRANZ Building Information Bulletin: Domestic Smoke Alarms (No 252) described how single-station smoke detectors, with a potential for saving lives in residential fires, can be installed at small cost. Recent overseas developments in automatic sprinkler technology have led to the availability of sprinkler systems with a fast response to residential fires, thus offering a new life safety system for dwellings. In New Zealand there is a lack of knowledge of residential sprinklers and this Bulletin is aimed at providing the building industry and property owners with sufficient understanding to decide the merits of their use.

DEFINITIONS

To avoid confusion, the following terms used in this Bulletin are defined:

Residential Building: any building in which people live.

Dwelling: a residential building for use exclusively by one household.

Double-unit Dwelling: a residential building containing no more than two dwellings.

Apartment Building: a residential building containing three or more apartments (dwellings which share some facilities).

Accommodation Dwelling: a residential building providing for five or more occupants.

BACKGROUND

Fire sprinkler systems consist essentially of water supplies piped throughout a building terminating at heads which open automatically if a fire occurs near them, so that those heads in the vicinity will discharge a water spray capable of controlling further development of the fire by putting water on a fire while it is still small. A history of sprinkler use shows they have been mainly aimed at protection of property, with damage control and

loss reduction as the prime motive. Their value in life safety has not been ignored, but it is only comparatively recently that life safety has become a specific aim of sprinkler systems. Concern in the USA that the incidence of fire deaths occurring there was much higher than in most other countries has given impetus to the development of "quick response" sprinkler heads, and from them to "residential" heads with the ability to respond rapidly to a growing residential fire.

LOSS OF LIFE BY FIRE

Figures for loss of life in fire, and of injuries, in the USA have been published in many articles, and they can make startling reading because of the large population. They have focused wide attention on what is a significant feature of the fire loss scene in the USA: that a high proportion of fire deaths and injuries occur in residential property. Figures for deaths and injuries published annually by the New Zealand Fire Service show a similar result. Deaths over the past 15 years average 47 per year, with 34 occurring in buildings. Of these, 28 have occurred in residential buildings. Thus 82% of building fire deaths were in residential buildings, mainly in dwellings. While each of these deaths is a personal tragedy, these numbers are not large by comparison with other accident statistics, and it is doubtful whether there is any effective strategy which will have much impact on them. A large proportion of these deaths result from human carelessness and the main cure for this lies in increased promotion of fire safety awareness. In addition though, the use of available technology can help to reduce the number of fire deaths and injuries.

The number of New Zealand fire deaths and injuries per million population is low by world standards (about equal to the average for all the developed countries), and no doubt one factor in achieving this is the use of sprinklers whose aim is primarily life safety. It has been Health Department policy for many years to install sprinklers in psychiatric hospitals where experience has shown them to be effective. Both the Tourist Hotel Corporation and the New Zealand Society for the Intellec-

➤ **Intended audience:** Building industry, Property owners

➤ A high proportion of fire deaths and injuries occur in residential buildings.

➤ Residential sprinklers are aimed primarily at life safety.

➤ Voluntary use of residential sprinklers by owners would reduce the risk to life.

➤ Common use of residential sprinklers will only come with cost reduction.

➤ Quick-response residential heads respond as quickly as 20 to 30 seconds to reduce temperatures and the concentration of carbon monoxide.

➤ Plastic pipe work is accepted for sprinkler systems.

➤ Standard specifications ensure that all aspects of the sprinkler systems are adequate for the type of fire it may have to deal with.

Keywords: Fire protection equipment, Residential areas, Sprinkler systems, Sprinklers

head. One such standard, used throughout the USA, is NFPA 13: Standard for the Installation of Sprinkler Systems, which was first issued in 1896.

1973 saw the issue in the USA of a complementary standard NFPA 13D: Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Mobile Homes, with the purpose of providing improved protection against injury, life loss, and property damage. In addition to the use of approved residential quick-response heads, this standard permitted, in contrast to NFPA 13, heads to be omitted from some spaces, eg., bathrooms. The philosophy was that by sprinklering only the occupied rooms, residents are provided with protection until they can vacate, or be evacuated. The level of coverage adopted by NFPA 13D took into account that in one or two-family dwellings or mobile homes, if a fire were to develop uncontrolled because it originated in an unsprinklered area, only the lives of the one or two families would be at risk. This was thought to be justified by the improved protection (over an unsprinklered dwelling) being made available in most of the habitable areas.

More recently in the USA, concerns have been expressed about applications of the NFPA 13D standard to larger residential occupancies such as multiple (i.e., three or more) attached dwellings. In these buildings, should a fire develop without sprinkler control, many more occupants would be at risk. NFPA has recognised the need to cover these by a new standard which will be known as NFPA 13R - Standard for the Installation of Sprinkler Systems in Residential Occupancies. This is expected to be approved for issue during 1989, and will apply to residential buildings up to four storeys high, including apartment buildings, lodging and rooming-houses, and board-and-care facilities with 16 or fewer occupants capable of prompt evacuation. The current draft of NFPA 13R also permits omission of heads in some spaces.

In New Zealand, sprinklers are covered by NZS 4541: 1987 - Automatic Fire Sprinkler Systems, which was based on rules published by the insurance industry in the UK, and adopts a similar approach to the need for total coverage. There is no New Zealand equivalent to NFPA 13D or 13R, but currently (1989) some revision of NZS 4541 is being considered by SANZ to accommodate the use of residential sprinklers.

AVAILABILITY

It is evident that sprinkler systems suitable for residential use are now available in countries

overseas, and that ease of installation and cost reductions are encouraging their increased use, particularly in the USA. In New Zealand, this position has not yet been reached. Progress with applications of residential sprinklers will be influenced by a need to understand their uses and limitations, the availability of an appropriate standard specification, supplies of special hardware items, and demand.

The lack of understanding will only be overcome when there is more general knowledge of their application, and of their specific uses and limitations. Interested parties (e.g., New Zealand Fire Service, manufacturers, insurance industry) will need to continue providing information, and ensure that it reaches the right decision makers. Development of NZS 4541 will ensure adequate standards of cover are maintained. The main components of sprinkler hardware are at present imported from overseas. Some of the established sprinkler companies can make quick-response residential heads available that have been approved for use in the USA for NFPA 13D systems. Other components can no doubt be made available locally, but there are currently no local manufacturers of suitable plastic piping and fittings, and supplies for the installations built to date have been imported. It is likely that sprinkler companies would be reluctant to establish large stocks of these imported items until there is an adequate demand, and it is hoped the plastics industry will gear up to provide PB or cPVC components.

PROGRESS ON RESIDENTIAL SPRINKLERS USE IN NEW ZEALAND.

A few systems which aim to improve life safety have been installed in New Zealand in recent years, mainly by organisations which have recognised a special need. Typical of these would be some installations in Hospital Board dwellings used for psychiatric patients on trial leave. These are not true residential systems as discussed in this Bulletin because residential quick-response heads were not available at the time. They were approved by the Health Department as suitable for protecting a small number of people, and represent a useful evaluation of what is possible with local resources. Figure 3 shows the control cabinet in one of these dwellings. Other similar systems have been installed by the former Ministry of Works and Development in house-sized buildings used for special purposes. These have also served as useful evaluations, even though they too did not include residential quick-response heads.

The cost of recent (1987) installations was \$3500 to \$4000 for systems with up to

19 heads, and this was considered acceptable in these circumstances. This cost is about 2-4 per cent of the cost of an average house, roughly equal to the cost of carpeting it. It is uncertain whether this level of cost would be accepted by a dwelling owner as equating to improved life safety. Experience in the USA has shown that it is in the poorer residential areas where any strategy for installing sprinklers would be most effective in saving lives. Unfortunately, this level of cost in New Zealand would appear to be a severe limitation to their use where most needed. Any move to reduce costs would aid a more general acceptance and use, and further possible economies are discussed below.

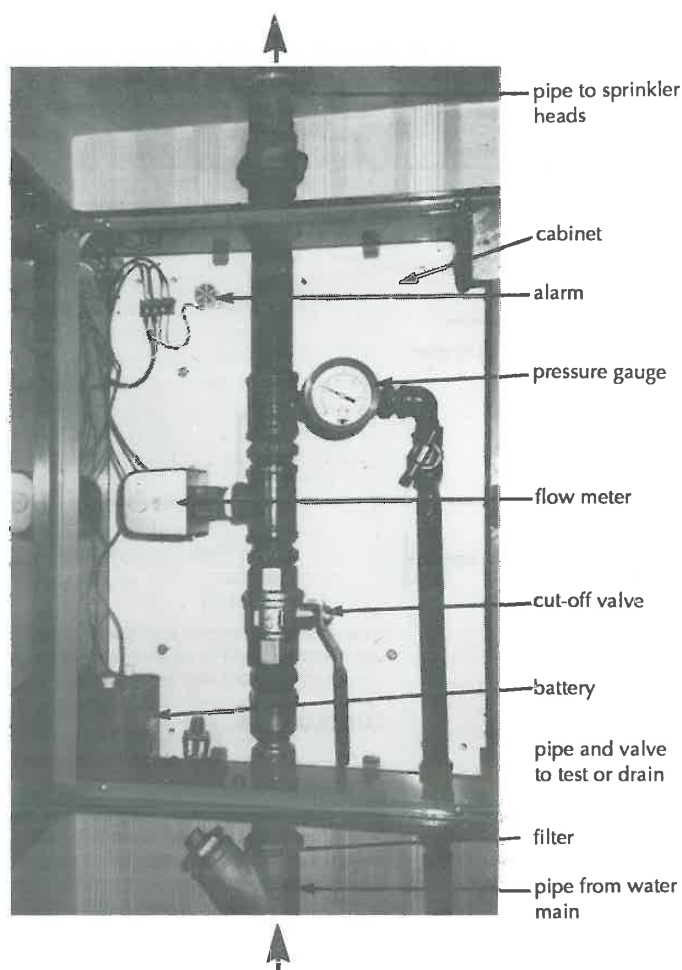
A code of practice is needed to take into account those features of overseas codes which can be applied to New Zealand conditions. The emphasis should be on occupancies where people sleep, since this is where quick response offers the greatest benefit to life safety, particularly where the very young, the very old, and the disabled are accommodated. The code will need to ensure that each installation is designed for the mains pressure and water flow available at the site.

WHAT IS ESSENTIAL?

It has been said that a residential sprinkler system needs to be reliable, and yet obtainable at a cost within the reach of a home owner. Various features which contribute to the cost have been discussed above, and it is useful to look in more detail at each item which may be incorporated in a system to see whether it is essential. The following suggestions are made with a view to encouraging a minimum installation consistent with reliability and acceptable cost (see Figures 3 and 4).

Essential: hydraulic design, plastic pipework, residential quick response heads, flow detector and alarm, shut-off valve, non return valve, simple instructions, and smoke alarms.

Hydraulic design is important to ensure the system will do what it is intended to do. To avoid the full cost of designing each installation, designs for typical dwellings could be done and published in handbook form. Plastic pipework is easier to install and has better water flow characteristics. Residential quick-response heads achieve rapid control of a fire and minimise the quantity of smoke generated. A flow detector and alarm will alert occupants of the other rooms not immediately affected. A shut-off valve is needed to turn off the water supply if repairs are required, but a non return valve may not be necessary where the water supply is potable. Owners and occupants need some simple



instructions, e.g., don't paint the heads, don't leave the valve shut. Smoke alarms are needed because a smouldering fire can generate enough smoke to kill an occupant before it produces enough heat to set off a sprinkler head.

Not Essential: certain heads, connection to fire brigade, strainer, pressure gauge, and cabinet.

Records of residential fires show a low probability of fire originating in residential bathrooms or storage spaces, so heads could be omitted from them. Figure 2 is a dwelling layout with sprinkler head locations shown. A brigade connection is expensive to install and generates an annual charge to maintain. Residential sprinklers are to control the fire, and the alarm will alert all occupants, so the brigade can be called by normal means. A pressure gauge is useful for checking that the system is ready and waiting, but this can be done adequately by turning on a tap in the house (NFPA 13D only requires a gauge where water is supplied from a tank). A metal

Figure 3: Control Cabinet

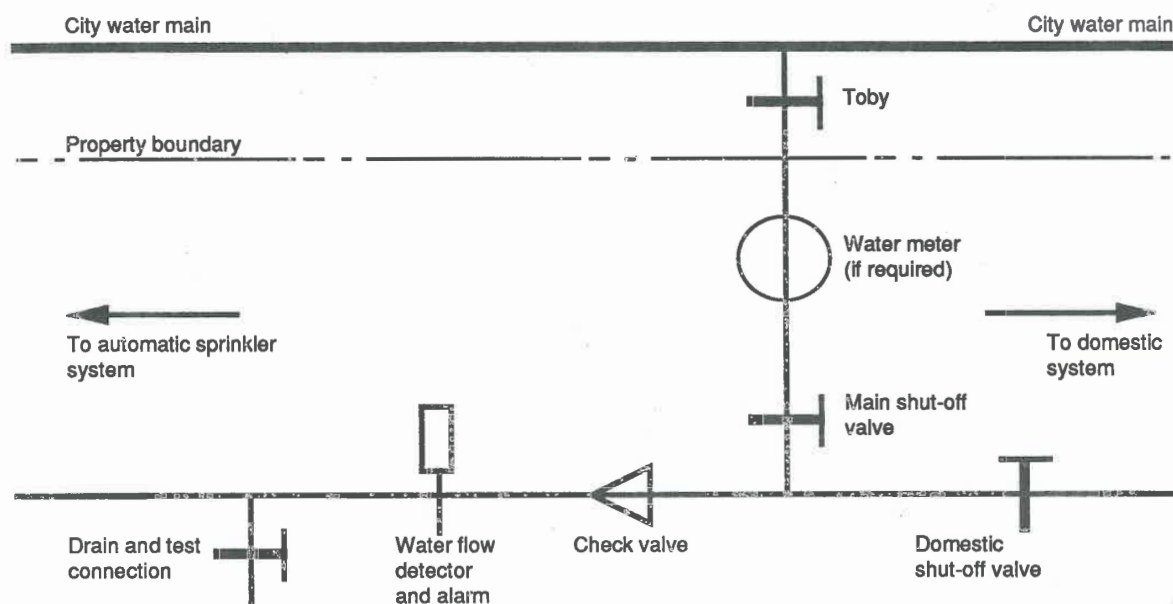


Figure 4: Water Supply

cabinet such as shown in Figure 3 might be considered unsightly by many, but essential items can be fitted into a cupboard.

CONCLUSIONS

Life safety in residential fires can be improved by installing smoke alarms. Sprinkler technology is now providing another effective way of saving lives and reducing injuries. Residential sprinklers have come of age and are now available in New Zealand. Fire death and injury statistics in New Zealand do not make a convincing economic case for the widespread use of residential sprinkler systems, but there are circumstances where application of this technology can be attractive in improving life safety. Furthermore, saving lives by early control of a fire is also likely to reduce damage to property. Some existing dwellings command high premiums because of their remoteness from the Fire Service or an adequate water supply, or because of special risks associated with older dwellings, and there is an opportunity for the use of residential sprinklers to influence insurance premiums. Costs are still too high to achieve general acceptance in dwellings but a potential exists for a reduction in costs and an increase in applications.

FURTHER READING

Bell, Kerry M. 1986. Plastic fire sprinkler

piping - the systems concept. Building Standards, September/October. Whittier.

Fleming, Russell P. 1985. Quick response sprinklers: a state-of-the-art technical report. National Fire Protection Research Foundation, Batterymarch Park, Quincy.

Fleming, Russell P. 1988. A closer look at the NFPA residential sprinkler standards. *Fire Journal*, March/April 1988. p 51. NFPA Batterymarch Park, Quincy.

STANDARDS

The following standards have been referred to in this Bulletin:

National Fire Protection Association. 1987. Standard for the Installation of Sprinkler Systems, NFPA 13. Quincy.

National Fire Protection Association. 1984. Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Mobile Homes, NFPA 13D. Quincy.

Standards Association of New Zealand. 1987. Automatic Fire Sprinkler Systems. NZS 4541. Wellington.

Standards Association of New Zealand. 1988. Fire Resisting Construction and Means of Egress. NZS 1900, Chapter 5. Wellington.

| | | | | |
|----------------|---------------|------|--|---------------------------------------|
| CI/SFB | (68.54) | (17) | © Building Research Association of New Zealand | Regional Advisory Offices |
| UDC | 614.844.2:728 | | Head Office and Research Station | Auckland |
| ISSN 0110-4845 | | | Wellington | 290 Great South Road. |
| 6/89 - 15000 | | | Moonshine Road, Judgeford | Telephone - (09) 547-018 Fax 547-069 |
| | | | Postal Address - Private Bag, Porirua | Christchurch |
| | | | Telephone - (04) 357-600 | 79-83 Hereford Street. |
| | | | Telex - NZ30256 | Telephone - (03) 663-435 Fax 668-552 |
| | | | Fax 356070 Telegrams - BRANZ, Wellington | Dunedin |
| | | | | 6 Hanover Street |
| | | | | Telephone - (024) 740-454 Fax 778-436 |



"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 FPA NZ 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.

FPA NZ 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.

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.

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

Fire Protection Association New Zealand



Industry Focus

Feb 2015

Celebrating the people who grew skills, careers and businesses in 2014



We've rounded up some of our industries' achievements and successes from 2014 for you to enjoy.

As a multi-sector industry training organisation (ITO), we design and manage technical and business qualifications to make sure the New Zealand workforce is highly skilled.

We work with our industry partners to understand the skills your employees need and to develop national qualifications that will help your learners build those skills. Then we help that learning happen - in the workplace.

But it's not just learning and on-the-job training that we do to support our partner industries.

Promoting trade careers to the next generation of tradespeople, supporting events to celebrate successes, and providing funding to encourage higher-level learning are just a few of the ways we also work with our industries.

In 2015 we want to work with you to grow Kiwi skills, careers and businesses.

All the best,

John Blakey, CEO
j.blakey@competenz.org.nz

Growing businesses

B&D Doors, Christchurch, Manufacturing



Over 20 employees graduated with core manufacturing and competitive manufacturing qualifications from B&D in 2014.

As a result of training, B&D has seen significant improvements in communication skills, new processes developed to improve work areas, and increased employee confidence leading to more applications for promotions – and those applicants being successful!



Adept Ltd, Auckland, Plastics



The team at Adept hosted the leadership team of Competenz at their Auckland operation in 2014 – showcasing their in-house product innovation team, their impressive tooling set up and their robotic injection moulding area.



Owner Murray Fenton started Adept Ltd 45 years ago and now leads a team of more than 80 highly skilled people producing products in plastic and carbon fibre. The products range from a fish stun gun (the Ikigun) to a radiation-repelling device used in cardiac surgery (the STARTable).

AEC, Ashhurst, Engineering



"You hear people saying that there's a shortage of tradesmen. But what they don't understand is you need to invest in training. There's no point grumbling – we've all got to do our part to keep the young fellas coming through," says Dave Hoskin, Managing Director of AEC: Ashhurst Engineering & Construction Company.



Dave currently employs four apprentices through Apprentice Training New Zealand (ATNZ), a model managed by Competenz, and says AEC likes to keep a minimum of four apprentices at any one time.

Growing careers

Print Scholarship

Well done to Matthew Devlin (far right), winner of the *Competenz Print Scholarship 2014*. Matthew is studying towards the National Diploma in Print Industry Management, Level 5.

"I'm looking forward to studying the behind-the-scenes aspects of the business that I don't see as a printer, and learning about new technology in the industry," says Matthew.



Engineering Scholarship

Congratulations to our *Competenz Engineering Scholarship 2014* winners who received the full cost of either the Level 5 National Certificate in Mechanical Engineering or a Level 6 New Zealand Diploma in Engineering Practice (NZDEP).

- **Neil Davis** – Royal New Zealand Navy, Devonport
- **Daniel O'Neill** – Parr & Co Engineers, Invercargill
- **Evan Pannett** – Airzone, Whangarei (right)



Every year, we work with over 3,500 businesses in 37 industries, helping more than 20,000 people develop their skills on-the-job.

Please stay in touch with us. We want to hear from you.



Our future tradespeople

Rising young baker



Daniel Wu (below) of Manurewa High School won the *Rising Young Baker Competition* held at the ASB Showgrounds as part of Fine Food New Zealand. The competition was hosted by Competenz and the Baking Industry Association of New Zealand (BIANZ).

Daniel was one of three Gateway students aged 16 years and over who demonstrated potential and a keen interest in baking as a career.



Tools4Work professional development days

TOOLS4WORK

Two Tools4Work professional development days were held in Auckland and Christchurch in 2014, with over 120 teachers attending from around the country.

Auckland attendees had the opportunity to listen to Andrew Jackson and Ben Norton from Compac Sorting Equipment, and the Christchurch attendees went on a factory tour at Hamilton Jet (below).



The Competenz Tools4Work programme delivers resources to give secondary school students hands-on experience while they prepare for a career in engineering. In 2014 more than 5,000 students in 204 schools completed units using Tools4Work resources. We are grateful to Blackwoods Protector who provide funding for the Tools4Work professional development days.

Got a Trade campaign



Got a Trade Week 2015 was launched at the 2014 *Careers & Transition Education Association Conference (CATE)* in front of 700 careers advisers from around the country (above).

The keynote presentation "debunking the myths around trades careers" gave careers advisers some facts and tips for talking to principals and teachers about the real opportunities for tradespeople in industry. Nine ITOs participated in a "mythbusting panel", answering questions from the group.

In early 2014 Competenz initiated 'Got a trade? Got it made!' a collaborative campaign owned by Industry Training Organisations in New Zealand. The campaign exists to re-position trade careers in the minds of 12-20 year olds and their influencers. 'Got a Trade Week' is set to take place 21 - 28 August 2015.



Acknowledging success

Plastics awards



Millennium Plastics Ltd won the Supreme Award at the *New Zealand Plastics Industry 2014 Design Awards* for their all-new Waikato Milking Systems Electronic Milk Meter. Competenz was the gold sponsor of the event.

Every gold medallist at the awards, bar one, is investing in technical training for their employees.

Print awards



Steven Hunter from Sealed Air in Hamilton won the *Icon Papers Print Apprentice of the Year* category at the 2014 *Pride in Print Awards*.

Competenz partnered with Print NZ to promote this category.



Butchery awards



Luka Young (left) from PAK'nSAVE Lincoln Road took out the hotly contested title of *Competenz Butcher Apprentice of the Year 2014*. The 2013 winner, Jack Khosrawi (right), also works at the Lincoln Road store. Manager Peter Farrelly (centre) must be doing something right!



Training provider awards



We work closely with Polytechnics where our learners go to complete block courses, night class and correspondence during their apprenticeships.

Eleven providers attended our first ever *Provider Awards*, celebrating successful partnerships and acknowledging tutor investment in the ongoing development of our apprentices. The guest speaker was Cecilia Sullivan-Grant, *Kiwibank Local Hero of the Year 2014* and a pioneer in the promotion of apprenticeships.

Forestry awards



At the *Eastland Wood Council Forestry Awards*, Matt Stewart from Stewart Logging was named *Modern Apprentice of the Year 2014*. Matt also featured in a Competenz case study video promoting forestry careers. Check it out on the forestry page of our website.

www.competenz.org.nz/forestry



Health & safety matters

ACC workplace safety management practices

Keeping workers safe and healthy is important to every business we work with. We strive to uphold the same high standards within Competenz.

In 2014, Competenz achieved tertiary level accreditation in the ACC workplace safety management practices (WSMP) programme. This is part of our journey towards internationally recognised accreditation.

Independent forestry safety review



Competenz played an active part in the independent review set up to identify ways to make our forests safer places to work.

We contributed to the terms of reference, made submissions, took part in working groups, encouraged members of the industry to get involved, and helped communicate the review's recommendations. A video outlining the panels recommendations can be found on the forestry page of our website.

www.competenz.org.nz/forestry

Growing skills



Michael Abel
Fonterra, Maintenance
Engineering



Michael chose to take up a trade as soon as he left school, enrolling in a National Certificate of Mechanical Engineering.

His dedication and smarts caught the eye of dairy giant Fonterra in Taranaki which employed him as an engineering apprentice.

And Michael is convinced he made the right choice about taking up a trade. *"Uni's good fun socially with your mates, but doing this was not only good fun. I've learnt heaps of life skills and I do seem to be getting ahead in life compared to the guys who went to uni. They're still trying to catch up and get themselves sorted, while I'm miles ahead."*

Colin Price
Tyco, Fire Protection



At 66 years old, Colin not only has a few years under his belt, but an impressive number of trades as well. Over the years Colin from Palmerston North has sailed through pretty much every fire safety qualification there is.

Colin's enthusiasm for training is infectious. *"It probably relates to my days in the apprentice training school. I've always had this philosophy and tried to pass it on. Get as qualified as you can in a field, because it's going to pay off, in terms of continued employment, or if you want to climb the ladder or for your own personal satisfaction. It's something I've always lived by."*



Alex Rau
Molloy Furniture, Furniture



Alex, who was awarded Furniture Apprentice of the Year in 2013, is the tenth apprentice who has qualified with Molloy Furniture Auckland, but he's not the only one to achieve glory. Several former apprentices have done well with awards and one has represented New Zealand at the World Skills Competition. It's a track record of which owner Vincent Molloy can feel very proud.

Ashton Fleming
Hayes International, Mechanical
Engineering



Ashton has a penchant for something that puts most people on edge – the sound of grinding metal. The young fitting and machining apprentice sports a passion for stock car racing.

The opportunity to work at Hayes International, a manufacturer based in Rotorua, doing what she loves on a daily basis has given her no regrets. *"When I look back at my decision to become an apprentice, I am definitely happy that I did it. There's nothing else I would rather be doing. It's a lot of fun and really interesting work."*



Rebekah Savage
Rolleston Bakery, Baking



Rebekah is on the fast track to success. The 20-year-old from Christchurch, fondly known as the 'tattooed baker', already has a large Facebook following, her own clothing range and was the winner of the Weston Milling Trainee of the Year 2014.

Lawrence Rehutai
UBQ Limited, Forestry



Lawrence says the hands-on, practical nature of workplace training is one of the factors that help him and other Māori learners complete their qualifications at UBQ Ltd in Tokoroa.

"Many Māori people are visual learners," says Lawrence. "Hands-on learning works well for us because we can picture the activities we're learning about."

In 2014 Competenz commissioned a study into Māori and Pasifika workplace training. We learnt that:

- The compelling issue for our Māori and Pasifika learners is participation.
- Ethnicity does not predict whether our learners complete their trades or traineeship qualifications.
- Most of the factors which help our Māori and Pasifika learners complete their qualifications, and the factors that make it hard for them to complete, are common to all our learners.



Paula Richards
Orora Group, Packaging



On 1 January 2014, Competenz launched a new suite of training qualifications known as 'New Zealand Certificates' across the packaging industry. These certificates replace all 'National Certificates'.

Paula from Christchurch became the first person to be awarded the *New Zealand Certificate in Fibreboard Packaging, Level 3*.

Working with you

Department of Corrections



From Ngawha in the far north to Invercargill in the deep south, Competenz programmes are operating in every prison throughout NZ.

Many prisons have fully operational workshops and are described as 'working prisons' where the aim is to create career opportunities to reduce the chance of reoffending.

Rolleston Prison in Christchurch has set up a construction yard where offenders are refurbishing at least 150 quake-damaged Housing New Zealand homes while completing Wood Manufacturing and Health & Safety qualifications.



Wallie Askew

The annual *Wallie Askew Competition* saw contestants having to produce a sign with the word 'CHILL' made from copper tube that, when operational, would be covered in ice like a mini ice bank.

Competenz sponsored a prize given to one of the award winners.

Well done to first place winner Malachi Geerlofs from Dongwa Patinna who is currently completing his apprenticeship in Refrigeration and Air Conditioning.



Letterheads International meet



The 'Back to Basics' Letterheads International Meet 2014 was hosted by Harvey Signs in Ashburton.

Competenz sponsored one of the eight workshops, a Gold Leafing class, by providing all the gold leaf. The other seven workshops included air brushing, surface gilding, scrollwork, pinstriping, Oamaru stone carving, traditional hand lettering and acid etching on glass.

Letterheads is an annual meeting of signmakers from around the country who gather to attend workshops where signmaking techniques and skills are shared.

Apparelmaster and Textile Care Federation annual conferences



Competenz supported these two 2014 conferences. As a result 23 new learners were signed into the Level 3 Team Management qualification. Congratulations to ALSCO and Apparelmaster who foster and encourage training for their employees.

Lean hubs



ENI Engineering, in partnership with the Canterbury Development Corporation, hosted the third Christchurch-based Competenz Lean Hub.



Over 70 representatives from businesses around New Zealand took a tour of ENI's factory to see just how lean principles are being implemented successfully.

Royal New Zealand Navy



Over the past year the Royal New Zealand Navy has been working closely with Competenz to align their in-house training materials to National Certificates in Maritime.

This means national qualifications can fall naturally out of the Navy's already advanced training programmes.

In 2014 nearly 600 learners graduated from Level 2 and 3 Maritime qualifications, with another 800 still to complete.

Competenz Account Manager Lara Williams has been seconded full time to work with the Navy on their training journey and a strong relationship has been built, not only with the Navy, but with the New Zealand Defence College too.

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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 Bensemann | 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 Bensemann |
| | 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
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 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

Spot On Vital Fire Protection
Stu Blair
Steve Larkins

LISTINGS

FPANZ Certified Evacuation Consultants as at March 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 March 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 – New update will be provided in April's newsletter.

| CONTRACTOR NAME | LISTING TYPE |
|--|--------------|
| 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 Engineers 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 |
| 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 |
| Rapid Fire Protection Ltd | Provisional |
| 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 March 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 Compliance | 0800 428 754 | spotonfire@extra.co.nz www.spotonfireprotection.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 February 2015

| | | | | |
|------------|--------------------|---|---|---|
| 1/02/2015 | Automatic PFA Call | Recreational, Assembly MANGERE, AUCKLAND | Structure Fire | Mechanical failure, malfunction - not classified above |
| 2/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage CHARTWELL, HAMILTON CITY | Miscellaneous Fire | Carelessness with heat source - not classified above |
| 3/02/2015 | Automatic PFA Call | Educational NORTH DUNEDIN, DUNEDIN CITY | Structure Fire | Short circuit, earth fault |
| 3/02/2015 | Automatic PFA Call | Residential TE ARO, WELLINGTON CITY | Structure Fire | Unattended cooking |
| 4/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND | Structure Fire | Installation deficiency |
| 5/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT | Chemical, Biohazard, Radioactive Incident | Information not recorded |
| 7/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage TAKAPUNA, AUCKLAND | Structure Fire | Unattended cooking |
| 9/02/2015 | Manual PFA Call | Residential CHRISTCHURCH CENTRAL, CHRISTCHURCH CITY | Miscellaneous Fire | Spontaneous ignition |
| 9/02/2015 | Manual PFA Call | Educational AVONDALE, AUCKLAND | Structure Fire | Other electrical failure |
| 9/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage PIPITEA, WELLINGTON CITY | Structure Fire | Unable to classify |
| 9/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY | Structure Fire | Heat source too close to combustibles |
| 9/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT | Chemical, Biohazard, Radioactive Incident | Information not recorded |
| 10/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage KAIWHARAWHARA, WELLINGTON CITY | Structure Fire | Other electrical failure |
| 10/02/2015 | Manual PFA Call | Residential NEWTOWN, WELLINGTON CITY | Structure Fire | Unattended cooking |
| 10/02/2015 | Sprinkler PFA Call | Commercial, Retail, Manufacturing, Storage EAST TAMAKI, AUCKLAND | Chemical, Flammable Liquid or Gas Fire | Operating deficiency - not classified above |
| 11/02/2015 | Sprinkler PFA Call | Commercial, Retail, Manufacturing, Storage MATAURA, GORE DISTRICT | Structure Fire | Backfire |
| 11/02/2015 | Manual PFA Call | Not Recorded UPPER RICCARTON, CHRISTCHURCH CITY | Structure Fire | Information not recorded |
| 11/02/2015 | Automatic PFA Call | Recreational, Assembly MILSON, PALMERSTON NORTH CITY | Structure Fire | Operating deficiency - not classified above |
| 11/02/2015 | Manual PFA Call | Residential LEIGH, AUCKLAND | Structure Fire | Accidentally turned on: not turned off |
| 12/02/2015 | Manual PFA Call | Recreational, Assembly WIRI, AUCKLAND | Structure Fire | Unattended cooking |
| 12/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage MANGERE, AUCKLAND | Electrical Hazards | Information not recorded |
| 12/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage GRACEFIELD, LOWER HUTT CITY | Structure Fire | Other electrical failure |
| 13/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND | Structure Fire | Careless disposal or use: cigarettes, cigars, ashes, embers |
| 13/02/2015 | Sprinkler PFA Call | Commercial, Retail, Manufacturing, Storage TAURANGA, TAURANGA CITY | Structure Fire | Other electrical failure |
| 13/02/2015 | Manual PFA Call | Health, Institutional NEWTOWN, WELLINGTON CITY | Structure Fire | Unattended cooking |
| 14/02/2015 | Other PFA Call | Commercial, Retail, Manufacturing, Storage KAWERAU, KAWERAU DISTRICT | Structure Fire | Friction (sparks etc.) |
| 14/02/2015 | Sprinkler PFA Call | Commercial, Retail, Manufacturing, Storage HOKITIKA, WESTLAND DISTRICT | Electrical Hazards | Information not recorded |
| 15/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND | Electrical Hazards | Information not recorded |
| 17/02/2015 | Automatic PFA Call | Educational KAIKOHE, FAR NORTH DISTRICT | Structure Fire | Undetermined |
| 17/02/2015 | Automatic PFA Call | Not Recorded MOTUEKA, TASMAN DISTRICT | Structure Fire | Information not recorded |
| 17/02/2015 | Automatic PFA Call | Health, Institutional HAMILTON EAST, HAMILTON CITY | Electrical Hazards | Information not recorded |
| 17/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT | Chemical, Biohazard, Radioactive Incident | Information not recorded |
| 17/02/2015 | Manual PFA Call | Residential NEWTOWN, WELLINGTON CITY | Structure Fire | Unattended cooking |

FPANZ Recorded Fire Saves for February 2015

| | | | | |
|------------|--------------------|--|--|--|
| 17/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage MANUREWA, AUCKLAND | Structure Fire | Suspicious |
| 17/02/2015 | Manual PFA Call | Not Recorded MOUNT COOK, WELLINGTON CITY | Structure Fire | Information not recorded |
| 18/02/2015 | Sprinkler PFA Call | Commercial, Retail, Manufacturing, Storage HAMILTON CENTRAL, HAMILTON CITY | Structure Fire | Other electrical failure |
| 19/02/2015 | Manual PFA Call | Residential WELLINGTON CENTRAL, WELLINGTON CITY | Structure Fire | Unattended cooking |
| 19/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage WHANGAREI, WHANGAREI DISTRICT | Structure Fire | Suspicious |
| 20/02/2015 | Manual PFA Call | Residential TE ARO, WELLINGTON CITY | Structure Fire | Installation deficiency |
| 20/02/2015 | Manual PFA Call | Health, Institutional NEWTOWN, WELLINGTON CITY | Structure Fire | Unlawful |
| 20/02/2015 | Other PFA Call | Residential MANGAKAKAHI, ROTORUA DISTRICT | Miscellaneous Fire | Lawful |
| 20/02/2015 | Manual PFA Call | Health, Institutional ASHBURTON, ASHBURTON DISTRICT | Flammable Liquid, Gas Incident | Information not recorded |
| 20/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage KAIAPOI, WAIMAKARIRI DISTRICT | Electrical Hazards | Information not recorded |
| 20/02/2015 | Other PFA Call | Not Recorded HINDS, ASHBURTON DISTRICT | Structure Fire | Information not recorded |
| 20/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage MOUNT WELLINGTON, AUCKLAND | Structure Fire | Unattended cooking |
| 20/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage OTAHUHU, AUCKLAND | Miscellaneous Fire | Careless disposal or use: cigarettes, cigars, ashes, embers |
| 20/02/2015 | Automatic PFA Call | Residential STRANDON, NEW PLYMOUTH DISTRICT | Structure Fire | Legality not known |
| 23/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage HENDERSON, AUCKLAND | Structure Fire | Part failure, leak or break |
| 23/02/2015 | Manual PFA Call | Not Recorded AUCKLAND CENTRAL, AUCKLAND | Not Recorded | Information not recorded |
| 23/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage KAITIA, FAR NORTH DISTRICT | Structure Fire | Mechanical failure, malfunction - not classified above |
| 23/02/2015 | Automatic PFA Call | Communications, Research MASSEY UNIVERSITY, PALMERSTON NORTH | Chemical, Flammable Liquid or Gas Fire | Failure to use ordinary care |
| 23/02/2015 | Automatic PFA Call | Not Recorded PARNELL, AUCKLAND | Not Recorded | Information not recorded |
| 23/02/2015 | Automatic PFA Call | Recreational, Assembly PALMERSTON NORTH, PALMERSTON NORTH CITY | Electrical Hazards | Information not recorded |
| 24/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND | Structure Fire | Other electrical failure |
| 24/02/2015 | Automatic PFA Call | Not Recorded TAKAPUNA, AUCKLAND | Not Recorded | Information not recorded |
| 25/02/2015 | Other PFA Call | Not Recorded HORNBY SOUTH, CHRISTCHURCH CITY | Not Recorded | Information not recorded |
| 26/02/2015 | Manual PFA Call | Not Recorded MANGERE, AUCKLAND | Not Recorded | Information not recorded |
| 26/02/2015 | Manual PFA Call | Recreational, Assembly OREWA, AUCKLAND | Vegetation Fire | Information not recorded |
| 26/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage OSTEND, AUCKLAND | Structure Fire | Short circuit, earth fault |
| 27/02/2015 | Manual PFA Call | Health, Institutional WATLINGTON, TIMARU DISTRICT | Structure Fire | Part failure, leak or break |
| 27/02/2015 | Automatic PFA Call | Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT | Chemical, Biohazard, Radioactive Incident | Information not recorded |
| 28/02/2015 | Manual PFA Call | Commercial, Retail, Manufacturing, Storage EAST TAMAKI, AUCKLAND | Structure Fire | Short circuit, earth fault |
| 28/02/2015 | Automatic PFA Call | Recreational, Assembly WAIROA, WAIROA DISTRICT | Structure Fire | Unattended cooking |
| 28/02/2015 | Manual PFA Call | Health, Institutional LORNEVILLE, INVERCARGILL CITY | Structure Fire | Failure to use ordinary care |

Building Officials Institute of NZ Annual Conference & Expo 2015

19-22 April 2015, SkyCity Convention Centre, Auckland

The Building Officials Institute of New Zealand's Annual Conference and Expo is a must attend event for anyone interested in Building Controls.

Who Should Attend?

Building Control Professionals

Regulatory Authorities

Building Surveyors

Government Representatives

Architects and Engineers

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.

Registrations for BOINZ Annual Conference & Expo are open NOW!

Early Registrations close 1 March 2015

For more Information

Please visit our website www.boinz.org.nz

Or email events@boinz.org.nz



Fire Protection Association New Zealand

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