

eNERGY

bulletin



Government of Western Australia
Department of Commerce
EnergySafety

Gas and Electrical e-Notices

For some time, there have been calls from the gas and electricity industry for an electronic means of submitting Notices to the gas suppliers and network operators. I am pleased to inform industry that EnergySafety is developing an IT facility (e-Notices) for online lodgement of notices.

Initially, use of the new facility will be optional and will operate in parallel with paper-based systems and Western Power's ETIC system. However, the objective is to phase out the use of the paper forms in a timeframe to be determined.

The driver for this initiative is to improve the efficiency of work notice processes and achieve cost savings for all parties – gas fitters, gas suppliers, electrical contractors, network operators and EnergySafety – through the use of today's technology.

The proposed new system will:

- offer a singular place for all Notices in WA;
- be an internet-based facility for the electronic production and sending of Gas Notices of Completion, Electricity Preliminary Notices, Notices of Completion and Electrical Safety Certificates;
- replicate the content of paper forms and provide an alternate electronic delivery system;

- lead users through filling out the form, acknowledge lodgement and email a copy to all parties required (gas suppliers/network operators, customers and the user);
- incorporate 'smart' features such as automated data entry (wherever possible) from meter data, registered login details and licence information to minimise time and effort filling out forms;
- be accessible via mobile devices such as smart-phones and tablets (as well as normal computers) on a 24/7 basis;
- be hosted and operationally supported by EnergySafety;
- use on-line processes and user interfaces that have been reviewed comprehensively by industry working groups set up to advise EnergySafety; and
- be subjected to full operational trialling with a significant number of gas fitters and electrical contractors prior to the general release to industry.

Further information is available over page. EnergySafety will provide progress reports and updates on this initiative over the coming months.

Ken Bowron
DIRECTOR OF ENERGY SAFETY

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Gas and Electrical e-Notices

Gas status

Development of the facility for gas notices of completion is well advanced. An industry working group (comprising representatives from 7 gasfitting companies, ATCO, Kleenheat and Origin), met four times during February and March and provided invaluable insight and advice on the practical design and implementation of the system. Technical development is essentially complete and final user testing is under way.

The next major step is to conduct a pilot program, involving a limited number of gas fitters, during the month of June. The purpose of the pilot is to prove the technical operation of e-Notices and gauge the level of satisfaction of users.

Assuming a high level of success of the pilot, industry-wide implementation is planned for the July-September quarter of 2016. Once all preparations are complete, Gas Fitters will be invited, via email to commence use of the e-Notices facility.

Electricity Status

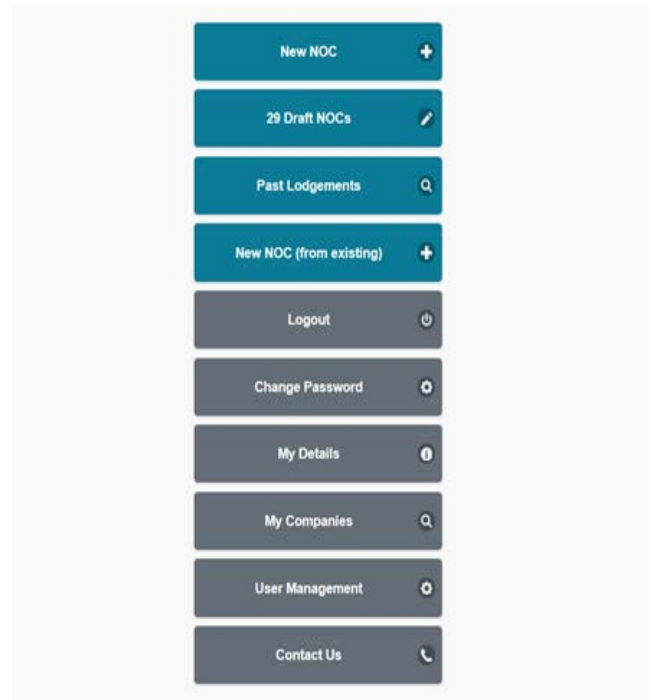
Development of the application for electricity notices has started but is much less advanced than gas. A decision was made to trial and then implement the gas e-Notices prior to tackling the more complex electrical e-Notices.

The electricity industry working group (comprising 8 electrical contracting companies, Western Power and Horizon Power) has been formed and has met once for a first assessment of the proposed system for provision of electricity notices and electrical safety certificates.

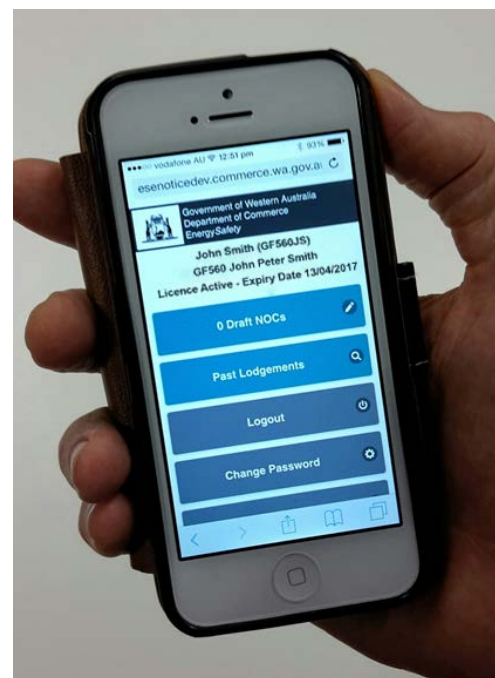
An electricity pilot program will also be used prior to implementation. It is expected that the facility will be available for general electricity industry use during the October-December quarter of 2016.

Important Notes

1. Use of e-Notices will be dependent on internet access. It will not be available as a down-loadable phone application.
2. There are no fees or additional costs for users.
3. e-Notices will initially operate side-by-side with ETIC (Western Power's electronic lodgement system for electricity work notices). The longer term future of ETIC is being considered by Western Power.



The e-Notices user interface



e-Notices is compatible with mobile devices

Make sure you update your contact details

Licensees are reminded that it is an obligation under the Electricity (Licensing) Regulations 1991 and the Gas Standards (Gasfitting and Consumer Gas Installations) Regulations 1999 to notify EnergySafety of their change of address.

Contact details can be updated quickly and easily at a time convenient to you by using the online licensing gateway.

To use the online gateway, you must enter your licence or permit number which can be found on the front of your licence or permit. You will also need to have an email address or mobile telephone number registered with EnergySafety so when prompted, we can SMS or email your personal one-time security access code.

Once you enter the gateway, you are able to confirm or update your contact details.

Once the transaction is complete, you will receive electronic confirmation.

To access the online licensing gateway go to the "Licensing" section of the EnergySafety website www.energysafety.wa.gov.au, select "Electrical licence" or "Gasfitting permit" then under services choose "Change of contact details".

If you are unable to complete the online form, the paper version is still available to download on the [EnergySafety website](http://www.energysafety.wa.gov.au).

Check your employee's scope of work

Employers and consumers should check the scope of work that their Electrical workers and Gas fitters are licenced to carry out by using the EnergySafety online Licence search.

To access the search facility, go to the Licensing section of the [EnergySafety website](http://www.energysafety.wa.gov.au) and select "Licence search".

You will need the Licence number or surname to run the search.

The search will bring up all results for that licence number or surname, including whether the licence is current, any restrictions and the type of work they are licenced to carry out.

Further information can be found on page 7.

Electrical Contractor's or In-house electrical installing work licence legal owner

The legal entity of the Electrical Contractor or In-house electrical installing work Licence may be an individual, firm or body corporate. The legal entity may nominate more than one person to hold a position on their licence as a nominee; however that nominee must be employed by the holder of the licence or must have been approved by the Electrical Licensing Board (Board).

It is a requirement that the Nominee holds a current Electrician's Licence and that the person has, to the satisfaction of the Board, completed the following modules

of the electrical contractor training program:

- Operation (Electrical) Legislative Requirements; and
- Electrical requirements.

The position may be cancelled at any time by either the holder of the licence or the nominee by providing written notice to the Board.

Wall chasing work needs adequate controls

WorkSafe has issued a reminder about the serious health hazards associated with wall chasing work and urged that the work only be performed in accordance with workplace safety and health laws.

Construction workers need to be aware of the risks of exposure to dust and carbon monoxide, noise, saw kick-back and serious cuts when chasing walls with hand-held power tools.

WorkSafe has issued warnings over a number of years about the hazards involved in operating petrol powered chasing saws indoors without direct fume extraction, including the risk of exposure to unacceptable levels of carbon monoxide and other exhaust gases.

A worker's exposure to carbon monoxide when using a petrol-powered chasing saw without exhaust extraction or within walls is well above the legal occupational exposure standard.

Medical studies have shown that exposure to excessive carbon monoxide can potentially lead to a variety of serious health effects, including delayed reaction times, headaches, difficulty thinking, nausea, disorientation, personality changes, hearing problems, nerve damage and paralysis, heart and lung damage, and in severe cases coma and death.

Many of these health effects can have severe repercussions in the workplace, leading to a loss of concentration and the potential for making uncharacteristic errors that could result in severe injuries or even death.

It is acceptable under WA's workplace safety laws to use a petrol powered saw with local (or direct) fume extraction to the outside of the building, and an electric grinder vac system can be used if the operator wears a dust-mask respirator complying with Australian Standard AS 1716 as protection against brick and concrete dust containing crystalline silica.

It is worth noting that the use of local exhaust extraction on petrol powered saws applies whether or not the roof has been installed. Air monitoring tests have clearly demonstrated that carbon monoxide exposures are well in excess of the legal exposure standards in either roof situation.

Employers of workers undertaking chasing work should implement practicable controls including:

- local ventilation on the exhaust of petrol powered saws used indoors (roof on or off);
- alternative saws - for example, an electric grinder with vacuum extraction and a respirator for extended use, a compliant 3-phase or high frequency wet electric saw or hydraulic system; or
- building in ways which will eliminate or greatly reduce the requirement for indoor chasing.

More Commerce Divisions relocating to Cannington

The Department of Commerce is in the final stages of consolidating its divisions into two locations; the Mason Bird Building in Cannington and Gordon Stephenson House in the Perth CBD (140 William Street Perth).

By mid-2016, the Cannington office of the Department (which currently houses the Building Commission, WorkSafe, Corporate Services and EnergySafety), will also include the following divisions:

- Consumer Protection
 - Licensing.
 - Registration and Monitoring.
 - Automotive, Marine and Trading Hours.
 - Bond Administration.
- Office of the Director General
 - The Director General and Executive Assistant will have offices in Cannington and Perth.
 - Internal Audit.
 - Aboriginal Strategy Co-ordination.

Electrical Industry Forums - Proposed changes to Wiring Rules and the Legislation in WA

A must for all Electrical Contractors and Workers

A new edition of The Wiring Rules – AS/NZS 3000 – will be released in 2016, and it is important that you understand what this means to you as an Electrical Contractor or Worker.

In May/June, Master Electricians Australia is hosting free events across Western Australia to explain the 300 new changes and additions to the old Wiring Rules. As a representative on the Wiring Rules Committee, MEA has a unique perspective on the updates.

This is your chance to find out about the changes ahead of the Wiring Rules release and the proposed legislation change to ban live work. MEA Standards Experts, EnergySafety and Western Power will be available to answer any questions.

Why should you attend?

We strongly encourage all electrical contractors and workers to take the time to read the draft standards, and attend the scheduled events. If there are aspects of the draft standard that you believe require change or amendment, MEA have simple guides on how to officially correspond this to Standards Australia.

It's your Standards – your feedback is essential.

Places for these events will fill fast.

Find out more and pre-register today at www.masterelectricians.com.au/AS3000

Did you know?

Legislation in WA will be changed in the near future to make it an offence for anyone to do work on energised electrical equipment.

EnergySafety's representative will provide an oversight of the proposed changes.

You can access a free copy of the Wiring Rules draft by visiting the Master Electricians website at www.masterelectricians.com.au/join



Do not work 'live'!

Working on or near energised electrical equipment ('live' work) is the leading cause of burns, shocks, serious accidents and fatalities for electricians.

Over the past few years, EnergySafety has been warning the electrical industry about the importance of isolating circuits and testing to ensure they are not 'live' prior to work being commenced. Isolation and testing procedures are paramount to electrical safety.

In 2008, EnergySafety published a Code of Practice titled *Safe Low Voltage Work Practices by Electricians (Code)*. This Code addresses general electrical safety obligations and especially those applicable to 'live' work. It is still current but is not mandatory.

As previously advised, the Government has endorsed EnergySafety and WorkSafe's proposals to amend the legislation to prohibit 'live' work and require trades people to turn off the power before entering the roof space.

Even though we are working towards prohibiting 'live' work; the industry does not have to wait for the legislative changes to come into force. The legislative changes will ensure the precautions prescribed in the Code are mandated and that enforcement actions can be undertaken against those who do not comply with the legislation.

Do not wait for a ban to be legislated. Follow the below steps and do not work 'live'!

1. Isolate all power before entering a roof space.
2. Follow the Code and do not work 'live'.
3. Use the right personal protective equipment (PPE) at all times (i.e. cotton shirts with full sleeves, long cotton trousers and safety boots).

Unlicensed worker targeting unsuspecting Chinese community

Mr Wei Liu, trading as Jackson Northair Services does not hold the required electrical workers or electrical contractor's licence authorising him to carry out electrical work in Western Australia. He was successfully prosecuted and fined \$8,500.00 and ordered to pay costs of \$2,711.20 in the Perth Magistrates Court for eight breaches of the Regulations including carrying out unlicensed electrical

work, holding himself out to be an electrical contractor and wrongfully representing himself as the person referred to on an electrical licence.

EnergySafety was first alerted to the activities of Liu in 2013 when an electrical contractor reported his electrical contractor's licence number being used by Liu in an advertisement for electrical work in the *Australian Chinese Times* - a free weekly community newspaper with a Chinese target audience. Going back as far as 2008, Liu had also placed other advertisements for work in similar publications such as the *Australian Asia Business Weekly* and *Oriental Leisure & Living Newspaper*.

Liu was again reported to EnergySafety after a consumer did not receive an electrical safety certificate. The Consumer used EnergySafety's 'Licence Search' to check whether the licence number written on the bottom of the receipt he provided, was valid. The search revealed the electrical contractor's licence did not belong to Liu.

To report the fraudulent use of the licence number, the property owner contacted the electrical contractor whose licence number Liu had been using, who in turn brought the matter to the attention of EnergySafety.

While Liu says that he has undertaken electrical work in China, he is not versed in Australian electrical standards but appears to have been learning on-the-job by observing the work practices of other electricians.

If you encounter Liu or become aware of any electrical work carried out by him, please contact EnergySafety's Electricity Compliance Directorate on 6251 1900.

Also, in the interests of the community and industry safety, EnergySafety urges all electricians to report instances of unlicensed electrical work or misuse of an electrical contractor's licence number to their relevant network operator or EnergySafety, if the network operator cannot be identified.

To verify whether an individual holds a valid electrical licence, please use EnergySafety's free licence search on our website www.energysafety.wa.gov.au and follow the five easy steps on the next page:

Step 1 Click once on Licensing

Explore EnergySafety:

Overview
Learn about who we are and what we do, information on legislation, reports and useful links.

Consumer safety
Find out how to use gas and electricity safely.

Licensing
How to apply for a licence or search for a licensed person.

Industry safety
Information on appliance approvals and network operators.

Report an accident
How to report an accident or incident to EnergySafety.

Stay informed
Subscribe to the Energy Bulletin, safety alerts and update your contact details.

Step 2 Click once on Licence search

Licensing

Licence search
Make sure your tradesperson is licensed.

Electrical licence
Applying for or renewing an electrical licence.

Gasfitting permit
Applying for or renewing a gasfitting permit.

Step 3 For Licence Type, select 'electrical worker' or 'electrical contractor' from the drop down list

Step 4 Enter the six digit electrical contractor or electrical worker's licence number at Licence Number or the business name in Surname / Company or Business Name. Click once on the Search button.

Step 5 If the 'electrical worker' or 'electrical contractor' holds a Western Australian licence, your search will provide you with a report similar to the example below

Licence Details

Return to search results
Print

Licensee Name:	AUSWEST ELECTRICAL SERVICES PTY LTD	Licence Number:	EC8207
Entity Type:	Company	Status:	Current
Address:	U4 5 TOWNSEND STREET MALAGA, WA 6090		
Trading Names:	AUSWEST ELECTRICAL		

Licence Type: Electrical Contractor

An electrical contractor is a company or person who is licensed to 'contract' to the general public or industry to carry out electrical installing work. Electrical installing work means the installation or maintenance of electric cables, accessories, equipment etc in a house or building.

This licence is issued under the provisions of the following Western Australian legislation:
[Electricity \(Licensing\) Regulations 1991](#)

Business Phone: 9249 5669
Mobile Phone: 0417 960 072
Fax: 9249 7949

Licensing Area: Contact EnergySafety on 6251 2000

This is not an official extract of the register of licensees

If your search is unsuccessful, you will receive a "No results found" message and will be requested to contact EnergySafety.

Licensing search

No results found. Please check your search criteria.
 If search criteria is correct and no record is found please contact EnergySafety on 6251 2000.
 The search facility for holders of a Restricted Asbestos Licence and a Registered Assessor Licence are currently unavailable from this page.
[Please click here to view the licence holder register.](#)

Western Power in world first sustainable energy trial

In a world first, Western Power has collaborated with Australian renewable technology company Carnegie Wave Energy Limited on a microgrid trial designed to supply electricity to Garden Island, south of Perth

The trial will be the first in the world that combines wave energy, solar (photovoltaic) energy, a desalination plant and energy storage and connects to a large electricity network.

Garden Island is also the site of Carnegie's next generation of larger CETO units - CETO 6. The CETO 6 project will provide the capacity of approximately four times that of the CETO 5 units and has received partial funding from the Australian Renewable Energy Agency (ARENA).

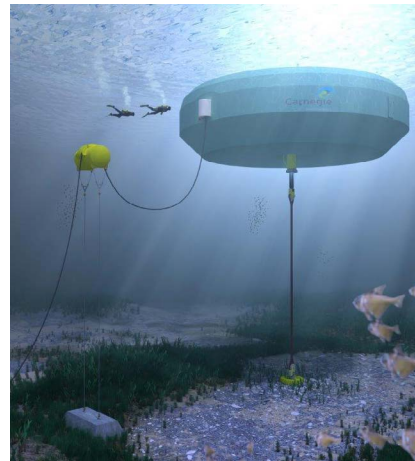
CETO is a unique, fully submerged, pumpbased technology whereby a submerged buoy moves with the ocean's waves, 1–2 metres below the surface of the ocean, driving a pump. The CETO 6 units incorporate the power generation system inside the buoy, allowing power to be generated offshore, with a targeted capacity of 1MW.

Unlike non-renewable coal generated electricity, these innovative units offer the dual benefits of generating 'clean' energy with zero emissions while also producing desalinated water for the base.

The joint Western Power and Carnegie Wave trial uses the CETO 6 units and the existing reverse osmosis desalination plant currently operating on Garden Island but will add an additional 2MW peak, of solar photovoltaic (PV) power generation and sufficient energy storage to allow safe, stable and reliable interaction with the electricity grid.

Western Power has seconded an engineer and other specialists to assist with both the interface to the grid and with compliance to the Technical Rules and Network Standards required for all generators connecting to the grid.

Western Power is using the trial to gauge whether it is viable to incorporate similar renewable energy technology into its grid.

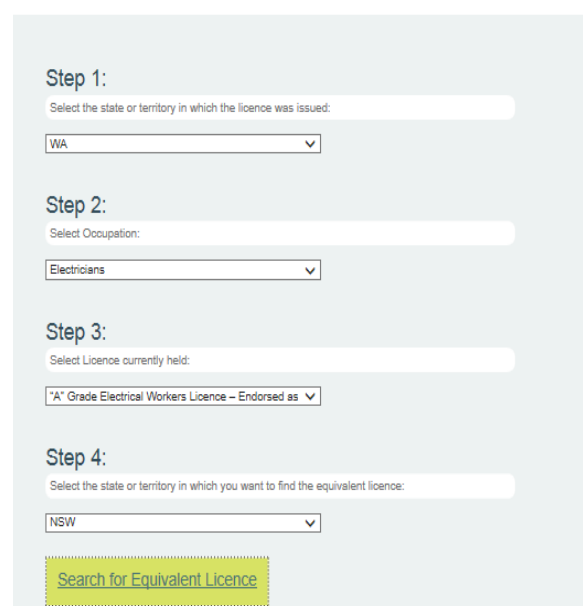


CETO 6 units tethered off Garden Island

Electrical work in other States and Territories

Before seeking employment outside of Western Australia, EnergySafety encourages all licensed operatives to visit the Australian governments Licence Recognition website www.licencerecognition.gov.au

By using the drop down lists provided on the website's search engine and entering your licence details (as shown below in the four easy steps in an example for a Western Australian 'A' grade electrical worker wanting to find the equivalent licence in NSW), the website allows electrical workers and permit holders to view their licensing equivalent in other Australian states or Territories as is stipulated under the *Mutual Recognition Act 1992*.



Step 1:
Select the state or territory in which the licence was issued:
WA

Step 2:
Select Occupation:
Electricians

Step 3:
Select Licence currently held:
A Grade Electrical Workers Licence - Endorsed as

Step 4:
Select the state or territory in which you want to find the equivalent licence:
NSW

Search for Equivalent Licence

Licence Recognition website search facility

For further information on electrical work and licensing other than in Western Australia, the contact details for the other Australian regulatory bodies are as follows

ACT

ACT Government – Environment and Planning Directorate
Telephone: (02) 6207 1923
Email: [Online query form](#)
Website: <http://www.planning.act.gov.au/>

NSW

NSW Government Fair Trading
Telephone: 13 32 20 or (02) 9895 0111
Email: [Online query form](#)
Website: <http://www.fairtrading.nsw.gov.au>

Northern Territory

Electrical Workers and Contractors Licensing Board
Telephone: (08) 8936 4079
Email: electrical.licensing@nt.gov.au
Website: www.electricallicensing.nt.gov.au/

Queensland

WorkCover Queensland
Telephone: 1300 362 128
Email: [Online query form](#)
Website: www.worksafe.qld.gov.au

South Australia

Government of South Australia Consumer and Business Services
Telephone: 131 882
Email: pge.bos@agd.sa.gov.au
Website: www.cbs.sa.gov.au

Tasmania

Tasmanian Government Department of Justice, Building Standards and Occupational Licensing
Telephone: 1300 366 322
Email: wstinfo@justice.tas.gov.au
Website: www.justice.tas.gov.au/licensing_and_accreditation

Victoria

Energy Safe Victoria
Telephone: 1800 815 721
Email: info@esv.vic.gov.au
Website: www.esv.vic.gov.au/

No MEN, no shock protection

A woman received a severe electric shock through both her arms and across her chest when she picked up a metallic warmer tray that was plugged into a socket-outlet at her parents' property. Her mother also received an electric shock while turning on a metallic tap. The woman reported the incidents to Western Power.

Western Power's Inspector found that the multiple earthed neutral (MEN) link at the main switchboard was not fitted. The investigation also found an active-to-earth fault originating from an internal oven element. Due to the missing MEN connection, the 16 A protective device for the oven circuit failed to operate under fault conditions. The warmer-tray was bonded via its internal earth bond and the earth pin of its plug to the earthing system of the installation. Similarly, the metallic tap was bonded to the earthing system via the copper pipework of the property. As a result, dangerous voltages were present on all earthed metallic enclosures.

To make the installation safe, Western Power disconnected the kitchen oven circuit from the electricity supply and installed an MEN link in the switchboard before testing and reenergising the installation.

The Western Power investigation found that seven months prior to the incident, an electrical contractor had carried out work at the property including an upgrade of the main switchboard, the installation of three ceiling fans, main earth cable and electrode and the reconnection of two socket-outlets.

From interviews with the electricians who had carried out work at the property, it was evident that they had very limited understanding of the MEN earthing system and poor knowledge of the mandatory verification and testing procedures that are required by Section 8 of AS/NZS 3000: 2007; Wiring Rules.

A test sheet used by the electricians did not show any evidence of any measurements having been taken.

Both electricians have been referred to the Electrical Licensing Board to be evaluated on whether they can carry out electrical work in a safe and satisfactory manner.

The electrical contractor who submitted a Notice of Completion to Western Power, is currently awaiting trial for certifying that the defective work was complete, safe and did comply with the Electricity (Licensing) Regulations 1991.

Q & A's - Licensing for electricians and electrical contractors

Question	Answer from EnergySafety
Licence - Lost/Stolen	
I have lost my electrical licence. How do I arrange for a replacement?	<p>To arrange for a replacement visit our website to use our easy online reprint service. After providing your six digit electrical licence number, you will receive a secure pin code via sms or email that can be used only once to progress your replacement application.</p> <p>Alternatively, electrical worker's can download a <i>Declaration of Lost or Stolen Electrical Worker's Licence, Permit or Certificate of Registration</i>.</p>
Licence - Updating Personal Details	
My contact details have changed. How do I advise EnergySafety?	<p>Electrical licence holders can change their contact details online by following these four steps:</p> <ol style="list-style-type: none"> 1. Visit the Department of Commerce website. Click on the yellow icon - 'Notify' 2. Under the headings for 'Notify', click on the link for 'Electrician or Electrical Contractor – Change of Contact Information' 3. Click on the 'Notify us now!' button 4. Enter your six digit electrical contractor's/workers licence number along with the EC/EW prefix and click the 'Next' button <p>To ensure confidentiality, you will be prompted to enter your email address/mobile phone number that is registered with EnergySafety so an email/SMS can be sent to you with a temporary security access code.</p> <p>If you do not receive the code, contact EnergySafety's Licensing Office to confirm whether the email address/mobile phone number you entered is registered with EnergySafety. The <i>Notification of Change of Address</i> form is also available to download via EnergySafety's website and can be hand delivered to EnergySafety's Licensing Office or submitted via Australia Post.</p>
Should I be notifying EnergySafety of my name change?	<p>If you have changed your given name or surname, EnergySafety must be advised via the submission of a <i>Declaration of Name Change for Electrical Worker's Licence, Permit or Certificate of Registration</i> which can be downloaded from our website.</p> <p>A copy of the Certificate of Name Change from the Registry of Births, Deaths and Marriages will also need to be supplied.</p>
Licence - Expired	
How do I restore my expired electrical contractor's licence?	<p>EnergySafety offers electrical contractors an easy online service to restore their expired licence.</p> <p>Only the person registered with EnergySafety as the Management Representative can do this online on our website or alternatively, a <i>Restoration of Name to the Electrical Licensing Register</i> form can be downloaded.</p> <p>Once completed, the form can be hand delivered to EnergySafety's Licensing Office or submitted via Australia Post.</p> <p>Along with the application, you will need to provide a Certificate of Currency (civil liability insurance) issued within the past 30 days from a reputable insurance provider.</p>

Licence - Training

What training is required for me to obtain my Electrical Contractor's licence and where can I undertake this training?

The applicant or Management Representative for the business must have successfully completed the following modules of the Electrical Contractor's Training Program (ECTP):

- EA103B General Legislative Requirements.
- EA102 Establishing a Contracting Business.

Also, the applicant or nominee for the business must have successfully completed these modules:

- EA103A Operation (Electrical) Legislative Requirements.
- EA106 (WAE100) Electrical Requirements.

The following registered training organisations (RTOs) offer these modules:

College of Electrical Training
5 Avior Avenue, JANDAKOT WA 6164
Telephone: (08) 9417 8166
Fax: (08) 9417 8766

or
20 Injune Way, JOONDALUP WA 6027
Telephone: (08) 9301 1560
Fax: (08) 9301 5059

Combined Skills Training Association
1st Floor, Unit 24/257 Balcatta Road
BALCATTWA WA 6021
ph: (08) 9440 3600

Polytechnic West
Thornlie Campus
Burslem Drive, THORNLIE WA 6108
ph: (08) 9267 7504

Licence - Business Details

Is it an offence to fail to notify EnergySafety if my business name or business address has changed?

Yes. Regulation 45(2) and 45(2a) of the Electricity (Licensing) Regulations 1991 requires that the Board is notified (i.e. fax, telephone or email) within 28 days if you have had a change in your business or trading name or principal place of business.

How often am I required to renew my registered business name?

Any business name registered with Australian Securities & Investments Commission (ASIC) is required to be renewed every year (\$34 renewal fee) or every three years (\$79). ASIC will send you a renewal notice 30 days before your registration expires.

On the ASIC website www.asic.gov.au you will find two options available for renewing your business name:

- Pay now - select this option if you wish to renew your business name only
- ASIC Connect - select this option if you wish to renew your business name **and** update your business name details.

<p>How do I register for an ABN?</p>	<p>When you register your business with ASIC they will provide you with an Australian Company Number (ACN). You will need your ACN before you can apply for an Australian Business Number (ABN).</p> <p>Visit the Australian Business Register website www.abr.gov.au to apply online for an ABN. There is no cost involved.</p>
<p>Licence - Advertising</p>	
<p>On which advertising material am I required to display my electrical contractor's licence number?</p>	<p>Regulation 45(1) of the Electricity (Licensing) Regulations 1991 stipulates that the licence number is conspicuously displayed in any advertisement for an electrical contracting business. This includes business cards and stationery, signage on vehicles and place/s of business, billboards, websites (e.g. Gumtree), radio and television, newspapers, magazines, newsletters, pamphlets, business directories (e.g. Yellow Pages)</p>
<p>Are there set size requirements for the licence number in advertising to satisfy the "conspicuous" requirement?</p>	<p>While there aren't sizing specifications for the electrical contractor's licence number, it should be not less than 50% of the largest sized letter used in the advertisement.</p>
<p>Should our electrical contractor's licence number be shown on business logos for our company clothing (e.g. shirts and hats)?</p>	<p>The advertising requirement does not apply to business logos on business clothing that is only used for identification.</p>
<p>Am I required to display any of my business paperwork at my office?</p>	<p>Yes. Under Regulation 45(1) of the Electricity (Licensing) Regulations 1991, you are required to display your Electrical Contractor's Licence certificate and the Certificate of Registration for your business at your principal place of business.</p>
<p>Licence - Record of Workers</p>	
<p>I am required to keep a record of electrical workers. What information should these records contain?</p>	<p>As per Regulation 57 of the Electricity (Licensing) Regulations 1991, the record is to contain the following details of employees who hold an electrical licence:</p> <ul style="list-style-type: none"> • name; • address (residential); • licence type, number and expiration date; and • employment commencement and cessation dates
<p>How long am I expected to keep a record of my employees?</p>	<p>Records of employees who hold an electrical licence are to be kept at your company's principal place of business for at least 2 years after the employee has ceased employment at your company.</p>

Synergy and Western Power embrace battery storage

In a move welcomed by advocates of clean green energy, customers of electricity retailers Synergy and Western Power can now feed excess electricity from home battery storage units and electric vehicles into the network grid.

Before 1 December 2015, customers could only export the excess electricity generated from their photovoltaic (solar) systems into the South West Interconnected System (SWIS).

Solar systems with battery storage units can assist in the reduction of electricity costs as well as account for zero emissions.

Inspections highlight industry's misunderstanding of licensing and supervision requirements

Electricians and electrical contractors are reminded to ensure they are operating with a valid and appropriate licence.

EnergySafety electrical inspectors are conducting inspections at sites where they observe electrical installing work being carried out.

The inspections so far have identified the following breaches involving apprentices:

- An electrical apprentice had extended his apprenticeship with the Apprenticeship Office but failed to submit a licence renewal application to EnergySafety. Though the apprentice was not found to be carrying out any work at the time of the inspection, he and his employer are being further investigated to determine if the apprentice had been carrying out electrical installing work during the period where he was unlicensed.
- A first year electrical apprentice was 'fitting off' a socket-outlet at a domestic property in City Beach. While the apprentice had an Electrician's Training

Licence for undertaking his pre-apprenticeship, he failed to submit another application when he commenced employment with his current employer.

- A first year apprentice pulling cables through the roof space of a granny flat in Wembley had been working without an Electrician's Training Licence since 2014.
- A first year and a fourth year apprentice working carrying out electrical work without a supervisor on site.

These non-compliances come despite repeated mentions of ensuring appropriate levels of supervision are provided for all apprentices (refer to *Energy Bulletin* Issues 68, 67, 66, 65, 60, 58, 56, 51 available to download at [EnergySafety's website](#)).

It is also of concern as some electrical contractors are not taking sufficient care of their young employees.

There is a general misunderstanding in the industry on the supervision requirements for apprentices. Regulation 50 of the Electricity (Licensing) Regulations 1991 stipulates **all** electrical work shall be effectively supervised.

Note the following:

- A fourth year apprentice **cannot** undertake isolations when alone. Isolations must be performed while the apprentice is under supervision.
- A first year apprentice is to be supervised on site **at all times**.
- At **no time**, can a second, third or fourth year apprentice supervise a first year apprentice (or for that matter, any level apprentice).
- An apprentice/trainee or a permit holder cannot supervise other electrical workers.
- Permit holders require general supervision.

By gauging the appropriate level of supervision for each employee, electrical contractors and supervising electrical workers are exercising their duty of care for apprentices by ensuring they are working safely and in a safe environment. This is achieved by evaluating the nature of work to be carried out, the competence (i.e. technical skills and knowledge) of the apprentice performing the work and whether personal protective equipment (PPE) is warranted.

By being vigilant of not only their own health and safety, but that of their fellow employees and members of the community, employers are fulfilling their duty of care obligations.

For more information on supervision for apprentices, please download EnergySafety's *Safety Guidelines for Electrical Workers* available from our [website](#).

Another inspection also found an electrician installing TPS cable for the installation of an air-conditioning unit at a property in Joondanna. The electrician did not hold an electrical contractor's licence and stated that he was carrying out the work for a friend and was in the process of obtaining his electrical contractor's licence.

Regulation 33(1) of the Electricity (Licensing) Regulations 1991 states that a person shall not carry on business as an electrical contractor, or by any means hold himself or herself out as carrying on business as an electrical contractor, unless the person is authorised by an electrical contractor's licence to so carry on business."

If you are doing any of the following without holding an electrical contractor's licence, you are considered to be holding yourself out to be an electrical contractor and are thereby in breach of the Regulations:

- Undertaking electrical installing work for 'cashies'.
- Advertising for electrical installing work on social media (e.g. Facebook, Twitter) or classified ad websites (e.g. Gumtree or beer economy sites such as Swap for Beer).

These inspections are not limited to licence checks as electrical contractor vehicles will also be inspected to see if the electrical contractor's licence number is conspicuously displayed.

Blitz on sellers of hazardous hoverboards

The Australian Competition and Consumer Commission (ACCC) have raised concerns over the safety of hoverboards (or self-balancing scooters), as outlined in a media release from Consumer Protection on 6 January 2016.

Due to these safety concerns, EnergySafety inspectors have been carrying out compliance inspections on retailers and private sellers of these devices.



Hoverboard

The alert was raised after a house fire in Victoria was caused by a hoverboard while on charge.

The high demand for hoverboards saw an influx of imported models from China; of which many were supplied with unapproved power supply/charger units. Under the Electricity Regulations 1947, prescribed appliances require approval before being sold or exposed for sale or hire in Western Australia.

Effective from 19 March 2016, the Minister for Small Business and Assistant Treasurer the Hon. Kelly O'Brien issued an interim ban on the sale of hoverboards that do not meet Australian standards due to defective electrical circuits and substandard lithium-ion batteries.

In Australia and overseas, there have been reported incidents where unsafe hoverboards have caused house fires.

EnergySafety inspections have thus far resulted in Infringement Notices issued to seven sole traders and two corporations with regular monitoring of online markets (e.g. Gumtree, eBay and similar websites) continuing. Further details on the recalled hoverboards and power supply/charger units can be found on the [Recalls website](#)

Electrician fails to earth switchboard 'DIN' rail kit

An electrician is subject to enforcement action for failing to earth a new "DIN" rail kit he installed to a wooden frame of a main switchboard enclosure at a domestic property in Collie.

This substandard work was connected to the Western Power supply and went unnoticed for almost two months until a Western Power inspector carried out an inspection.

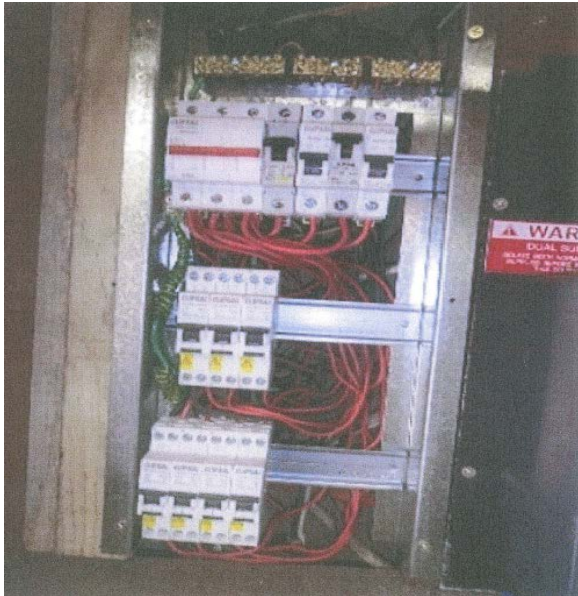
Without effective earthing, the conductive exposed parts of the installation can become live if an earth fault occurs. If a person was to come into contact with any exposed conductive parts (i.e. the metallic fascia or screws for the conductors and circuit breakers), which are not earthed, they could be at risk of receiving a serious electric shock.

While the electrician had carried out some checking and testing, including:

- bonding of the water pipes;
- voltages between active and neutral and active and earth;
- manual tripping (test button) of residual current devices (RCDs);

- RCD trip tests at socket-outlets;
- transposed neutrals at light switches; and
- fault loop impedance at the furthestmost located socket-outlet

he failed to undertake the mandatory checks and tests as prescribed in Section 8 of AS/NZS 3000: 2007; Wiring Rules (i.e. continuity of the earthing system, insulation resistance as well as a simple visual inspection) which would have immediately alerted him to this serious oversight.



Wooden frame of the main switchboard enclosure

Reference Library available to electricians

The Department of Commerce 'Information hub' is open to all electricians and electrical contractors.

It has four workstations for users to peruse the library's plethora of resources which include over 10,000 books and 16,000 journal articles, DVDs on safety topics (e.g. 'Electrical Safety in the Workplace', 'Lockout/tagout: making it safe'). Free access is also provided to Australian Standards, Chemwatch and the National Construction Code.

A maximum of three DVD's may be loaned out for up to a week with the option to collect items from the library or having them posted to your workplace (via courier) for a small fee. Please note that you will be responsible for the replacement cost of any items that are damaged, lost or stolen.

Print copies of guidance, notes and codes are also available upon request.

The library catalogue can also be accessed online <http://www.safetyline.wa.gov.au/inmagic/catalog.htm>

The library is located at Level 1, 303 Sevenoaks Street, Cannington and is open from 8.30 to 5pm Monday to Friday.

Librarian Judith Abbott has over thirty years of experience within the Department of Commerce and is happy to give first-time users an overview of the facilities as well as providing assistance on how to use computers to search the online catalogues. Please contact Judith on 6251 2203 or via email EnergySafetyLibrary@commerce.wa.gov.au

Unprotected pool pump circuit leaves young boy hospitalised

In an incident that could have easily been prevented, a young boy from Port Hedland was hospitalised with a serious burn due to an unprotected circuit. Because of the severity of his injuries, the boy was taken by the Royal Flying Doctor Service to Perth's Princess Margaret Hospital, where he received treatment for an entry burn to his right index finger.

While disconnecting an extension lead from a pool pump, the plastic shroud for the plug top was dislodged and the boy made contact with the metallic screw that held the live conductors in place. Horizon Power attended the site and disconnected the pool pump circuit. A Horizon Power inspector also issued an Order to the property owner.

An investigation into the incident revealed an electrical contractor had carried out a switchboard upgrade which included the installation of three RCDs for the lighting and power circuits, however the circuit for the pool pump was left unprotected.

Electricians are reminded that Clause 2.6.3.1 (c) of AS/NZS 3000: 2007; Wiring Rules requires RCDs with a maximum rated residual current of 30mA to be provided for all socket outlets and lighting points circuits in residential installations.

Horizon Power's metering project could eliminate illegal meter connections

Horizon Power has experienced an increase in the number of incidents involving meter tampering.

In 2015, twenty one investigations were carried out involving consumers who illegally reconnected the electricity supply to their property after being disconnected for outstanding account payments, or in instances when access to the meter has not been provided for over a year.

Tampering with Horizon Power's property could result in property damage (e.g. electrical fire), serious injury or a fatality.

The installation of the new advanced, remote meters as part of Horizon Power's Advanced Metering Infrastructure (AMI) project should eliminate such interference.

If you see any evidence of illegal reconnections, please report it immediately to Horizon Power on 13 23 51.

Electrician fails to earth socket outlets

After installing several socket-outlets in a commercial premise in Davenport, an electrical contractor (sole trader) left the installation unsafe as he did not earth six pendant socket-outlets installed, leaving the property in an unsafe condition.

Fortunately this substandard work was detected by a Western Power inspector during a routine Notice inspection of the property.

Clause 4.4.3 of AS/NZS 3000: 2007; Wiring Rules requires an earthing connection to be provided for all socket-outlets. The omission of an earthing connection renders an installation unsafe.

After the Western Power inspector issued an Inspector's Order for the defective work, the owner of the business immediately contacted another electrical contractor to make the installation safe.

Western Power's investigation revealed that while the

electrician had carried out checking and testing of the completed work including polarity, insulation resistance, operation of residual current devices (RCDs) and fault loop impedance test, he failed to test whether the pendant socket-outlets were earthed.

Other than offering the excuse that he was distracted at the time while carrying out the work, the electrician could not provide a reasonable explanation as to why he had overlooked the earthing.

While he normally uses a checking and testing sheet, tests and checks of the installation were not recorded as the electrician considered this a 'small job' to be done quickly as per the owner's request.

The electrical contractor failed to appear in Bunbury Magistrate's Court and did not enter a plea, therefore, under Section 55 of the *Criminal Procedures Act 2004*, he was convicted in his absence and fined \$3,000.00 for each breach with court costs of \$730.60.

Looming cut-off date for 'old' notices

Electrical contractors, have you made an entry in your calendar/diary for 1 July 2016? Readers of the *Energy Bulletin* would have noted that from this date only new versions of Preliminary Notices and Notices of Completion will be accepted by EnergySafety and network operators. The majority of Notices presently being received are of the old format.

The new version of the Notices became available on 1 January 2016 with the major changes outlined in *Energy Bulletin* Issue No.'s 72 and 73. The new Notices will have a number greater than 3,175,251 and have the reference number ESWA E001 0915.

Readers are also reminded to use the new contact details for the network operators when submitting Notices.

Because of the subsequent administrative delays that could result if an old Notice is submitted, or, if a Notice is faxed/posted to an obsolete contact, you risk putting your business in breach of the Regulations if the Notice is not submitted within the required time frame (i.e. before the work commences for Preliminary Notices and three days after the work has been completed for Notices of Completion).

Books of the new Notices can be obtained from our Licensing Office (phone 6251 2000) or from network operators.

Are your standards up to date?

Amendment	Published Date	Supersedes
AS/NZS 3112:2011/Amdt 3: 2016: Approval and test specification - Plugs and socket-outlets	4 March 2016	DR AS/NZS 3112: 2011/Amd 3: 2015 Approval and test specification - Plugs and socket-outlets
AS/NZS 4417.2:2012/Amdt 2:2016: Regulatory compliance mark for electrical and electronic equipment - Specific requirements for particular regulatory applications	29 January 2016	AS/NZS 4417.2:2012 Regulatory compliance mark for electrical and electronic equipment
AS/NZS 60598.2.2:2016: Luminaires - Particular requirements - Recessed luminaires	26 February 2016	DR AS/NZS 60598.2.2: 2015 Luminaires - Particular requirements - Recessed luminaries

Electricians please refer to the table below to check whether you are using the current version of these Australian/New Zealand standards

Standard	Title	Current Amendment	Amendment Date
AS 2067-2008	Substations and high voltage installations exceeding 1kV a.c.	AS 2067-2008/Amdt1-2010	24 February 2010
AS/NZS 3001: 2008 (Sections 1 and 2 only)	Electrical installations - Transportable structures and vehicles including their site supplies	AS/NZS 3001: 2008/Amdt 1: 2012	25 June 2012
AS/NZS 3002: 2008	Electrical installations - Shows and carnivals	NA	NA
AS/NZS 3003: 2011	Electrical installations - Patient areas	AS/NZS 3003: 2011/Amdt1: 2015	20 February 2015
AS/NZS 3004.1: 2014	Electrical installations - Marinas and recreational boats - Marinas	NA	NA
AS/NZS 3004.2: 2014	Electrical installations - Marinas and recreational boats - Recreational boats installations	AS/NZS 3004.2: 2014/Amdt 1: 2015	17 July 2015
AS/NZS 3008.1.1: 2009	Electrical installations - Selection of cables - Cables for alternating voltages up to and including 0.6/1kV - Typical Australian installation conditions	AS/NZS 3008.1.1: 2009/Amdt 1: 2011	15 August 2011
AS/NZS 3010: 2005	Electrical installations - Generating sets	NA	NA
AS 4777.1-2005	Grid connection of energy systems via inverters - Installation requirements	NA	NA

AS 4777.2-2005	Grid connection of energy systems via inverters - Inverter requirements	NA	NA
AS 4777.3-2005	Grid connection of energy systems via inverters - Grid protection requirements	NA	NA
AS/NZS 5033: 2014	Installation and safety requirements of photovoltaic (PV) arrays	NA	NA
AS/NZS 60079.0: 2012	Explosive atmospheres - Equipment - General requirements	NA	NA
AS/NZS 60079.1: 2015	Explosive atmospheres - Equipment protection by flameproof enclosures 'd'	NA	NA
AS/NZS 60079.7: 2006	Explosive atmospheres - Equipment protection by increased safety 'e'	AS/NZS 60079.7: 2006/Amdt1: 2007	2 May 2007
AS/NZS 60079.11:2011	Explosive atmospheres - Equipment protection by intrinsic safety 'i'	AS/NZS 60079.11:2011/Amdt 1: 2013	24 April 2013
AS/NZS 60079.10.1: 2009	Explosive atmospheres - Classification of areas -Explosive gas atmospheres	AS/NZS 60079.10.1: 2009/Amdt 1: 2013	28 November 2013
AS/NZS 60079.14: 2009	Explosive atmospheres – Electrical installations, design, selection and erection	AS/NZS 60079.14: 2009/Amdt 1: 2011	15 August 2011
AS/NZS 60079.17: 2009	Explosive atmospheres - Electrical installations inspection and maintenance	AS/NZS 60079.17: 2009/Amdt 1: 2011	22 June 2011
AS/NZS 61241.0: 2005	Electrical apparatus for use in the presence of combustible dust - General requirements	AS/NZS 61241.0: 2005/Amdt 1:2005	25 July 2005
AS/NZS 61241.14: 2005	Electrical apparatus for use in the presence of combustible dust - Selection and installation	AS/NZS 61241.14: 2005/Amdt 5: 2007	16 March 2007
AS/NZS 7000: 2010	Overhead line design - Detailed procedures	NA	NA

EnergySafety provides assistance to fire-ravaged communities

The devastating bushfires of January 2016 left approximately 3,000 customers from the south west towns of Waroona, Preston Beach, Yarloop and surrounds without power to their homes due to extensive damage to the Western Power infrastructure.

With approximately 850 poles requiring replacement, Western Power resources were stretched to capacity in their efforts to restore power.

Several EnergySafety electrical inspectors assisted the network operator crews by carrying out inspections of properties directly affected by the fire or properties left without power to determine whether they were in a safe condition to be reconnected to the electricity supply.



Loose wiring after the wooden pole it was attached to was destroyed by fire



Melted switchboard attributed to the intense temperatures generated by the fire

Prosecutions for breaches of electricity legislation

Between 1 January and 31 March 2016

Name (and suburb of residence at time of offence)	Licence Number	Legislation and Breach	Offence	Date of Offence	Fine (\$)	Court costs (\$)
Torben Norman Johansen (South Bunbury)	EW153845	E(L)R 1991 Regulation 49(1)	Carrying out, or causing or permitting to be carried out, electrical work contrary to AS/NZS 3000:2007	8 February 2014	3,000.00	730.60
Torben Norman Johansen T/As Torben Electrix (South Bunbury)	EC010164	E(L)R 1991 Regulation 52(3)	Sending notice of completion of notifiable work in relation to uncompleted and unsafe work	12 February 2014	3,000.00	

Summary of infringements for breaches of electricity legislation

Between 1 January and 31 March 2016

Legislation and breach	Offence	Number of Infringements	Fine (\$)
Regulation 52(1) E(L)R 1991	Failing to deliver notice of completion of notifiable work within required time	1	750.00
Regulation 53(3) E(L)R 1991	Employing, engaging or instructing electrical worker in training to carry out electrical work without an electricians training licence	1	1,000.00
Regulation 33B(2) EA 1945	Selling or hiring, or exposing or advertising for sale or hire, prescribed appliance without approval	9	23,750.00

Legend

- NLH No Licence Held
- EA *Electricity Act 1945*
- E(L)R *Electricity Licensing Regulations 1991*
- * Global fine or costs issued

Installing new and replacement water heaters in multi-residential buildings

EnergySafety reminds gas fitters all new and replacement water heaters installed in multi-residential buildings are to comply with the current requirements of the Gas Standards (Gasfitting and Consumer Gas Installations) Regulations 1999, AS/NZS 5601.1:2013 and the manufacturers' installation instructions and recommendations.

Gas inspectors when inspecting water heater installations on multi-residential installations regularly see new and replacement water heaters installed in non-compliant locations.

In some cases the gas fitter has carried out a like for like replacement of an existing water heater that previously did not comply, but may have been installed under the previous generic variation V/E: 03/251 that was withdrawn on 1 November 2012.

Where a gas fitter is engaged to replace a water heater installed under the previous variation V/E: 03/251, the gas fitter is required to ensure the water heater installation is compliant with the current requirements. Where this is not possible, seek a variation before the replacement water heater is installed.

Several multi-residential buildings where natural gas is supplied have been assessed and some have variations allowing water heaters to be installed in locations that meet specific requirements and conditions.

It is not always possible to install a natural draught instantaneous water heater in some locations, however the installation of a fan assisted continuous flow water heater may be an alternative.

Gas fitters who ignore these requirements will be issued a Notice of Defect to rectify the installation. In addition to bearing the cost of rectification they may well receive an Infringement Notice.

Inspectors at EnergySafety are available where a gas fitter may experience difficulty with an installation and can be contacted through our website www.energysafety.wa.gov.au



Installation of HWS on left is non-compliant also making the existing HWS on right non-compliant

Installing a quick-Connect device (bayonet point) in an outdoor location

Gas fitters installing a bayonet point in an outdoor location, including an alfresco area, need to ensure compliance with AS/NZS 5601.1:2013 is met.

AS/NZS 5601.1:2016 5.10 Quick-Connect Devices 5.10.1 Quick-connect device installed outside above ground

A quick-connect device socket installed outside shall be at least 300mm above the ground or floor and shall have a means of securing a safety chain or wire within 50mm of the quick-connect device socket to prevent strain on the hose (ie restraint is shorter than the hose).

5.10.2 Quick-connect device socket installation method where subjected to water or dust

A quick-connect device socket shall be installed so as to avoid entry of water, dust or other debris.

NOTE: When installed outside, directing the outlet downward would satisfy this requirement.

Gas inspectors often find non-compliant installations where

a bayonet point is installed outdoors. Often the gas fitter has not allowed for the securing by a safety chain or wire within 50mm of the quick connect device for the fitting of a gas appliance (barbecue).

When installing a bayonet point, pipe sizing leading up to the bayonet point is to be sized for at least a large barbecue that may be rated to 100mj/hour.

Outdoor appliances being used indoors

EnergySafety is concerned at the number of reports received where gas appliances designed to be used outdoors are being used inside in both domestic and commercial properties.

As part of the multi-storey upgrade project currently underway in natural gas supplied buildings, a pressure test is applied to the whole gas installation prior to commencing work. In testing the gas installation a major gas leak may be discovered whereby, the gas installation has to be disconnected. The upgrading work may take some time causing the consumers in the building to be without gas for cooking and water heating. Although it may be seen as an inconvenience to the consumer, arrangements can be made for temporary showers to be installed. There are also a number of electrical appliances that are available that can be used whilst the gas installation is being upgraded.



Wok type burner connected to an LP Gas cylinder inside

However, EnergySafety cannot condone portable camping cookers connected to LP Gas cylinders or the smaller butane 'lunch box' cookers being used inside and ask the gas fitters involved in the upgrading work to advise the consumers accordingly. Should there be some difficulty communicating this message to the consumer please contact EnergySafety then the Gas Inspection Branch can take the appropriate action to resolve the matter.



Wok type burner connected to an LP Gas cylinder inside

A similar situation may also be found in commercial installations in restaurants and food courts. These types of gas appliances are a risk to both the employees and customers and again we ask for your assistance here in reporting such matters. There are however guidelines for the use of LP Gas in these situations which can be found in AS/NZS 1596:2014; Storage and handling of LP Gas.

Recently a restaurant was found using lunch box cookers on every table for 'steam boat' dining. EnergySafety investigated a number of incidents where injuries were



Lunch box cookers being used in a restaurant kitchen

sustained from the inappropriate use of 'lunch box' cookers and acted promptly to prohibit this practice.

Another favourite is the use of high input 'Wok' type burners being used indoors connected to smaller LP Gas cylinders. Consumers using these gas appliances in this way risk injury should there be any gas leak which can ignite resulting in an explosion and fire.

EnergySafety encourages gas fitters and general members of the public to report any suspected non-compliant or unsafe gas installation or practices. These matters will be investigated to ensure gas installations remain safe and compliant for the consuming public and that property is protected.



Wok type burner connected to LP Gas cylinder inside

ATCO Gas Australia NOC Fax numbers update

ATCO Gas Australia wishes to advise that Notice of Completion Facsimile (NOC Fax) numbers will no longer be in operation from Friday, 1 July 2016.

All Notices of Completion from 1 July 2016 must be submitted electronically via email or posted to ATCO Gas Australia as follows;

Email: NOC@atcogas.com.au

Post: ATCO Gas Australia

PO Box 3006, Success WA 6964

Please contact the Gas Utilisation Inspection Team on NOC@atcogas.com.au or 13 13 56 for questions related to Notice of Completion lodgement.

Prosecutions for breaches of gas legislation

Between 1 January and 31 March 2016

Name (and suburb of residence at time of offence)	Licence Number	Legislation and Breach	Offence	Date of Offence	Fine (\$)	Court costs (\$)
Hajir Mobin (Kinross)	NLH	GSA 1972 S13A(2)	Carried out gasfitting work while not holding a certificate of competency, permit or authorisation allowing him to do so	3 March 2015	40,000.00	855.60
		GSR 1999 R38(1)	A person who is not the holder of a permit or an authorisation to do gasfitting work or a particular class of gasfitting work must not advertise or otherwise represent that the person is the holder of that permit or authorisation.	3 March 2015	7,500.00	

Summary of infringements for breaches of gas legislation

Between 1 January and 31 March 2016

Legislation and breach	Offence	Number of Infringements	Fine (\$)
GSR R18(2)	Failing to ensure gas installation complies with prescribed requirements	2	1,200.00
GSR R26(1)(a)	Failing to ensure gas installation meets requirements as to pressure testing and is gas-tight	2	1,200.00
GSR R28(3)	Failing to give notice of completion of gasfitting work within required time	2	800.00
GSA S13A(2)	Engaging in an operation or carrying out work or process, of a kind prescribed to be of nature of gasfitting work otherwise than in a prescribed capacity and without a certificate of competency, permit or authorisation	1	1,000.00
	Total	7	4,200.00

Legend

NLH No Licence Held

GSA Gas Standards Act 1972

GSR Gas Standards (Gasfitting and Consumer Gas Installatons) Regulations 1999