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IPWEA

INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

INFORMS. CONNECTS.
REPRESENTS. LEADS.

BRANCH CONFERENCE HANDBOOK

SWQ BRANCH CONFERENCE 2020

Stanthorpe | 20 – 22 February 2020



www.ipweaq.com



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Welcome from the Branch President

We are very pleased to welcome you to the IPWEAQ SWQ Branch Conference in Stanthorpe in partnership with Southern Downs Regional Council.

This year's conference showcases local projects and activities including a presentation from Seren McKenzie on what happens when the dam runs dry. This presentation is an attestation of the commitment and adaptability of those who choose a career in local government.

The Branch Conference Dinner will take place on Thursday evening at Queensland College of Wine Tourism. The dinner will showcase local produce. The formalities will conclude on Friday 21 February, with an optional social bike ride on Saturday morning including a scenic ride through a winery, strawberry farm and craft brewery including morning tea.

We would like to thank our sponsors including Overall Conference Sponsor Proterra Group, Branch Conference Dinner sponsor GenEng and A&M Civil Contracting and morning and afternoon tea sponsors GHD, Shepherd and Brandon and Associates. Your support is invaluable and critical to the success of our conference.

We hope you enjoy your time in Stanthorpe!

Andrew Johnson

SWQ Branch President





Conference Details

Dates	Thursday 20 February – Saturday 22 February
Venue	Stanthorpe Civic Centre, Lock Street, Stanthorpe

About Stanthorpe

At the heart of the Granite Belt, Stanthorpe gives easy access to big sky panoramas, spectacular countryside dotted with precariously balancing prehistoric granite boulders and a generally cooler, temperate climate (there's even an occasional winter snow-fall!)

Originally established by tin miners in the 1870s, nowadays, thanks to its unique microclimate and granitic soil, the region is nationally recognised for its winemaking and diversity of produce. Look out for apples, pears, berries, stone fruit, persimmons, figs, olives and a huge range of vegetables in season. Those with a more adventurous palate should follow the Strange Bird alternative wine trail, which covers some of the more unusual varieties including viognier, mourvedre and tempranillo. If you're more interested in the grain than the grape, there are microbreweries in Stanthorpe, where you can sample locally brewed beers on tap including Kolsch, Pilsner, Wheat Beer, India Pale Ale, Irish Red Ale, a Porter and a specialty beer each season.

Registration

The registration desk is located at the entrance to the conference centre. Please register early and download this Handbook on your smart phone or tablet.

Registration desk opening times are:

Thursday 20 February	10am – 11am
Friday 21 February	815am – 845am

When you register, please purchase your raffle tickets at \$5 each or five tickets for \$20 for Rural Aid. If you purchase 5 tickets for \$20, you can place a sticker on the truck, showing you have personally purchased a bale of hay!

App

Please download the IPWEAQ SWQ Branch Conference App to get the most out of your conference experience. Within the Attendee App you will be able to:

- Review the conference agenda
- Review and amend your registration, including social function attendance
- Search for and message other conference delegates, including Speakers and Exhibitors
- Receive conference alerts
- Access this conference handbook

Dress Code

Conference program, welcome and closing functions: smart casual, no suits or ties.

Photography

We will be taking photos throughout the conference and at social functions. Photos taken at the conference may be published in our journal, Engineering for Public Works, on our website and in marketing materials that promote our members, IPWEAQ and our industry. If you do not wish to be photographed, please advise our staff member and move out of camera range. Otherwise, consent is presumed granted. If you would like to arrange a group photo of you and your colleagues, please be sure to arrange this with us.

Conference Sponsors

We wish to acknowledge our Principal Partners (Department of Transport and Main Roads, Komatsu and A2K Technologies), Partners, exhibitors and sponsors for their ongoing support and contribution to our successes. Please see page 13 for our event sponsors.

Exhibition

The trade exhibition is located within the conference space. It is open during registration and all catering breaks.

Best Paper Award

The winner of the Best Paper award will be chosen by the SWQ Branch Committee.

The winner of the Best Paper award will receive a complimentary registration to attend the IPWEAQ Annual Conference to be held in Cairns at the Cairns Convention Centre 10-12 November 2020.

WiFi

Unfortunately there is no WIFI available at this venue

Dietary Requirements

If you have informed us of any special dietary requirements (vegetarian, vegan, coeliac etc), this information has been passed on to the catering team and any external venues for social events you have registered to attend.

Please make yourself known to the catering staff during meal breaks and social functions. All efforts have been made to accommodate your requests.

Feedback

After the conference, we will email your certificate of attendance with CPD hours stated together with a conference survey form.

Your feedback is valued and will guide us for future events. Thanking you in anticipation.



Conference Contacts

Monica Robertson 0481 266 355
Leigh Cunningham 0449 987 238
Craig Moss 0431 745 277

We look forward to welcoming you to the SWQ Branch conference in Stanthorpe! Please share your experiences on social media using #SWQ20

Social Events

Branch Conference Dinner

Thanks to A&M Civil, we will be having a live auction during the evening!

Venue	Queensland College of Wine Tourism Private Function Room 22 Caves Road Stanthorpe
Date	Thursday 20 February

Buses will run from the civic centre at 530pm and 545pm

They will also return guests to their accommodation at 930pm, 10pm and 1030pm

Social Bike Ride

Venue	Granite Belt Bicycle Tours & Hire
Date	Saturday 22 February

The social bike ride on Saturday morning including a scenic ride through a winery, strawberry farm and craft brewery including morning tea.

You will depart the Stanthorpe visitors centre at 830am and return at approximately 1230pm.

New Members

We would like to welcome our new members:

Joe Noyes	Brianna Barnett
John Craik	Desmond Motswagae
Farzad Kamali Sarvestani	Ross Milton
Clayton Lees	Isabella Freeman
Shahid Mahmood	Peter See
Jim Wagner	Amy Norman
Chris O'Dea	Chamila Sirimanna
Dinesh Kandana Liyanage	Chris McEvoy
James Monaghan	Kevin Searle
Katie Galvin	Orlando Deeth
Arielle Bangalan	Kate Crosby
Sheila Olandria	Laljibhai Rathod
Matthew White	

Distinguished Members

First Name	Last Name	Organization	2019-2020 ADVANCES
David	Bell	Stabilised Pavements of Australia	15 Years
Mike	Brady	Toowoomba Regional Council	25 Years
David	Donohue	Brandon & Associates Pty Ltd	10 Years
David	Jackson	Department of Transport and Main Roads	15 Years
Luke	Tanner	Goondiwindi Regional Council	5 Years

Join IPWEAQ

Join IPWEAQ for the 1/2 year to 30 June 2020 for:

Member:

~~Annual Subscription~~ \$280 plus GST
HALF YEAR \$140 plus GST

Graduates up to 5 years post-graduation:

~~Annual Subscription~~ \$190 plus GST
HALF YEAR \$90 plus GST





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Councils and Organisations

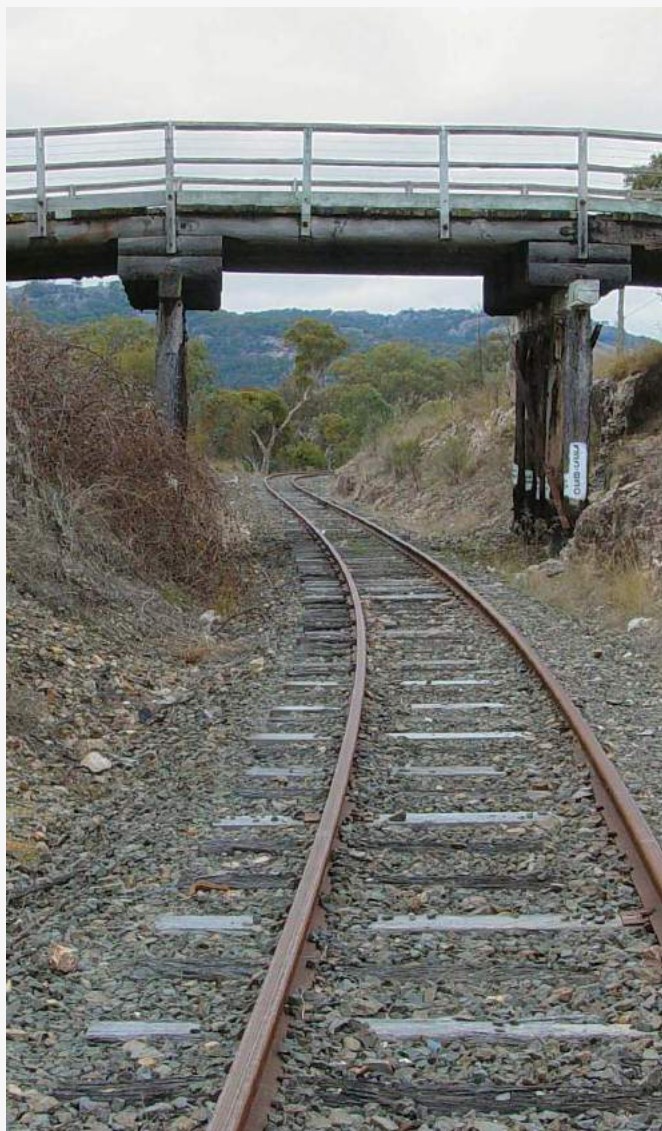
We look forward to welcoming delegates from the following councils and organisations:

Councils

- Goondiwindi Regional Council
- Lockyer Valley Regional Council
- Moreton Bay Regional Council
- Murweh Shire Council
- Paroo Shire Council
- Scenic Rim Regional Council
- Somerset Regional Council
- South Burnett Regional Council
- Southern Downs Regional Council
- Toowoomba Regional Council
- Western Downs Regional Council

Organisations

- A&M Civil
- ACS Engineers
- A2K Technologies
- Australian Concrete Mats
- Bellwether Consulting Services Pty Ltd
- Boral
- Brandon & Associates Pty Ltd
- CARDNO Ltd
- Colas
- Delnorth Group Pty Ltd
- Dial Before You Dig
- Department of Transport and Main Roads
- EJ Tannock & Associates Pty Ltd
- Fulton Hogan
- GenEng Solutions Pty Ltd
- Geofabrics Australasia Pty Ltd
- GHD Pty Ltd
- Global Synthetics Pty Ltd
- Harrison Infrastructure Group
- Holcim Australia Pty Ltd
- Huesker Australia
- Ingal Civil Products
- InQuik Pty Ltd
- Instrada
- Interflow
- Joe Wagner Group
- JWA Oilfield Supplies Pty Ltd
- Komatsu Australia Pty Ltd
- LGAQ
- LGIAsuper
- Local Buy
- McBerns Innovative Solutions
- McCullough Robertson Lawyers
- Newlands Civil Construction
- Orion Solar
- Osborn Consulting Engineers
- Peak Services
- PelicanCorp
- Proterra Group
- Queensland Audit Office
- RCPA
- Redfrost
- RoadTek
- Rural Aid
- Saferoads
- Shepherd
- Solutions in Transport
- Stabilised Pavements of Australia
- Steel Mains
- Sullivan Consulting Engineers
- Supersealing
- Tonkin
- University of Southern Queensland
- Wagners CFT Manufacturing Pty Ltd





Our Partners

PRINCIPAL PARTNERS



Queensland Government

Department of Transport and Main Roads

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Our Subscribers





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Program

**Program subject to change*

Thursday, February 20, 2020

10:00 AM - 11:00 AM	Registration Opens Overall Conference Sponsored by Proterra Group
10:15 AM - 11:00 AM	Morning Tea - Sponsored by GHD
	Session One
11:00 AM - 11:10 AM	Conference Welcome
11:10 AM - 11:30 AM	Conference Opening Cr Tracy Dobie, Mayor, Southern Downs Regional Council
11:30 AM - 12:00 PM	Seren McKenzie, Southern Downs Regional Council: What to do when the dam runs dry – supplying over 5,000 people with water
12:00 PM - 12:30 PM	Case study - Stanthorpe Southern Access by Joseph Marstella, Transport and Main Roads Rod Moss, HIG
12:30 PM - 1:30 PM	Lunch
	Session Two
1:30 PM - 1:55 PM	Road safety planning on the New England Highway Bryan Freeman, Transport and Main Roads
1:55 PM - 2:15 PM	From City to Country – my Main Roads Experience Arielle Bangalan, Transport and Main Roads
1:55 PM - 2:15 PM	From City to Country – my Main Roads Experience Arielle Bangalan, Transport and Main Roads
2:15 PM - 2:35 PM	Road to Registration Andrew Goatham, Transport and Main Roads
2:35 PM - 3:00 PM	North Burnett Regional Council Takes a New Approach to Road Service Delivery Darren Shepherd, Shepherd
3:00 PM - 3:30 PM	Afternoon Tea - Sponsored by Brandon & Associates
	Session Three
3:30 PM - 3:50 PM	Cost Effective Stormwater Asset Management Sarath Manatunga, Somerset Regional Council
3:50 PM - 4:10 PM	Moving forward, what's in our stormwater pipeline – a sneak peek at CCTV stormwater inspections Shelley Burchett, Proterra
4:10 PM - 5:00 PM	Workshop – Big data driving decision making in Local Government infrastructure Using data to inform and provide a basis for strategic management of our assets Shane Dolley, LGAQ & Simon Martin, Peak Services
5:30 PM - 6:00 PM	Bus Transfer to dinner venue from 5:30PM
6:00 PM - 10:00 PM	Conference Dinner - Sponsored by GenEng Queensland College of Wine Tourism 22 Caves Road, Stanthorpe



Friday, February 21, 2020

8:15 AM - 8:45 AM	Registration (Day Two) Overall Conference Sponsored by Proterra Group
	Session Four
8:45 AM - 9:00 AM	Rural Aid Presentation Jane McCollum, Rural Aid
9:00 AM - 9:20 AM	Defects – Do or do not. There is no try Joseph Jones, McCullough Robertson Lawyers
9:20 AM - 9:40 AM	Lowood Swimming Pool Condition Assessment and Upgrade Strategies Sheila Olandria, GHD
9:40 AM - 10:00 AM	Funding Success through Investment Logic Mapping Amy Norman, GHD
10:00 AM - 10:30 AM	Installation of Oivi/Gorari Battle Monument (PNG) John Tannock, EJ Tannock and Associates
10:30 AM - 11:00 AM	Morning Tea - Sponsored by Shepherd
	Session Five
11:00 AM - 11:20 AM	Toowoomba Railways Goods Shed – The Lessons Learnt Restoring Heritage Infrastructure Nick Delany, Toowoomba Regional Council
11:20 AM - 11:40 AM	Safety at Road Worksites - implications and opportunities for local government Dan Sullivan, Solutions in Transport
11:40 AM - 12:00 PM	A collaborative approach to long term sustainability Sri Narasimhan, QAO
12:00 PM - 12:15 PM	National Asset Management Strategy (NAMS) Update Stephen Hegedus, Chair NAMS-Q Advisory Group
12:15 PM - 12:30 PM	Branch Update Andrew Johnson, SWQ Branch President
12:30 PM - 1:45 PM	Lunch (including raffle draws)
	Session Six
1:45 PM - 2:15 PM	Project Management in an Increasingly Fr(Agile) World Steve Holland, Toowoomba Regional Council
2:15 PM - 2:45 PM	Design, validation and implementation of structural fibre composite elements in potable water storage Darren Wilson, Wagners CFT
2:45 PM - 3:15 PM	Panel Discussion – Challenges of technical governance in local government Mike Brady, Toowoomba Regional Council Cr. Neil Meiklejohn, Southern Downs Regional Council Michael Shellshear, Proterra Group and IPWEAQ Young Engineer of the Year, 2019
3:15 PM - 3:30 PM	Conference Close

Saturday, February 22, 2020

8:30 AM - 12:30 PM	Social Bike Ride Guided Stanthorpe Bike Tour through strawberry farm, winery and craft brewery with morning tea
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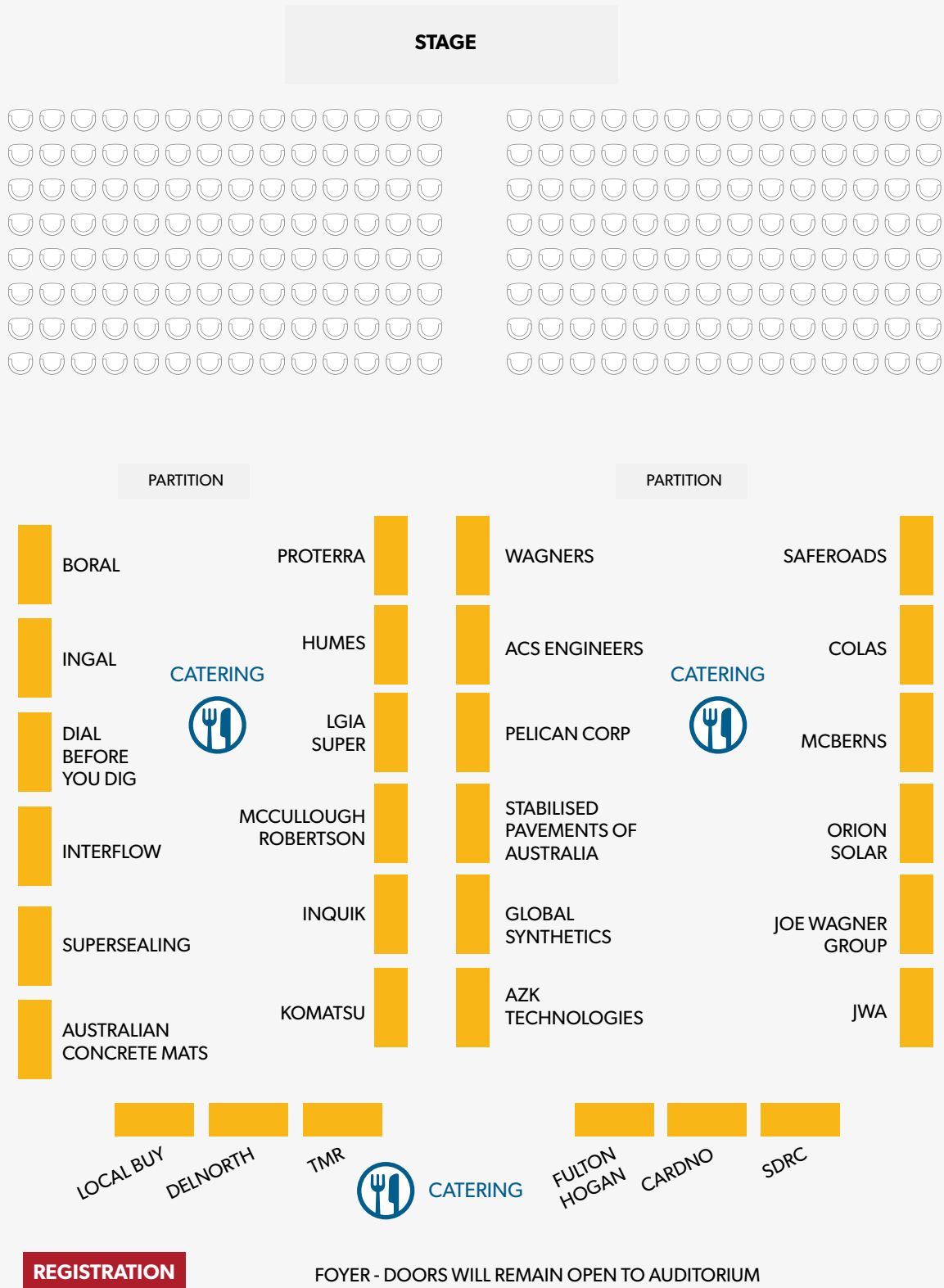
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Exhibitors



We are delighted to confirm there are 30 exhibitors in Stanthorpe located as follows.








Sponsors

Thank you again to our wonderful sponsors for this year's SWQ Branch Conference.

Sponsorship	Sponsor
Overall Conference Sponsor (Platinum Sponsor)	
Branch Conference Dinner (Gold Sponsorship)	
Charity Auction Sponsor (Silver Sponsorship)	
Morning Tea (Bronze Sponsorship)	
Morning Tea (Bronze Sponsorship)	
Afternoon Tea (Bronze Sponsorship)	

Social Media Handles

We encourage exhibitors to use our handles when posting to social media:

-  @IPWEA Queensland
-  @IPWEAQ
-  @IPWEAQ

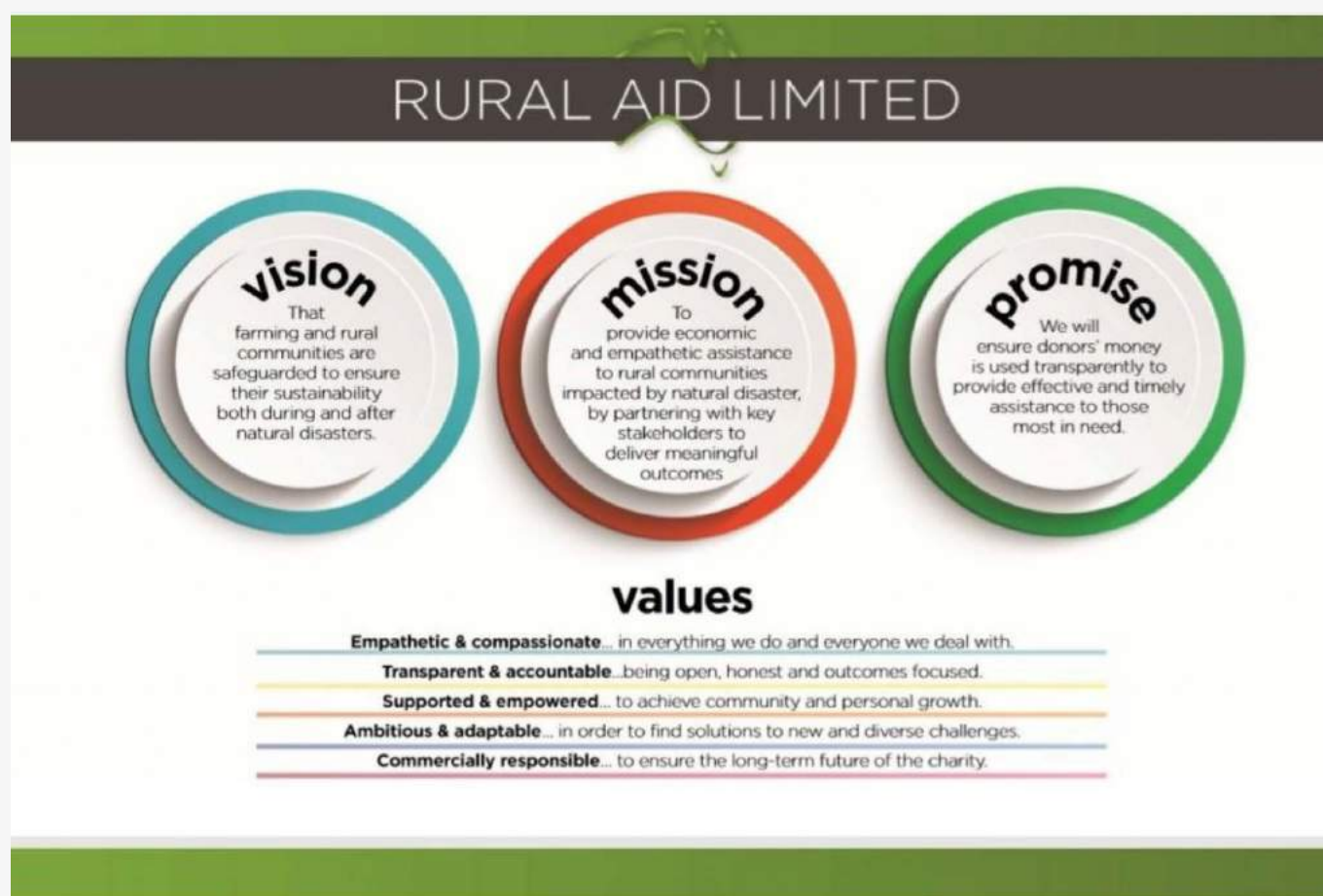




President's Charity – Rural Aid

Rural Aid is one of the largest rural charities in Australia. A nationwide charity, it was founded by Charles and Tracy Alder in 2015. Its focus is twofold – to provide support to farmers and rural communities in times of natural disaster as well as supporting the sustainability of the agricultural sector.

During the SWQ Branch Conference, we will be selling raffle tickets to raise money for Rural Aid. Tickets will be sold throughout the conference at 5 for \$20 or \$5 per ticket. Drawing of the raffle will be on Friday 21 February.





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NATIVE TITLE & CULTURAL HERITAGE PORTAL AND RECORD KEEPING TOOL

IPWEAQ's new native title and cultural heritage portals help you comply with the law and avoid acts that will impact on cultural heritage and native title including impairment and extinguishment. The portals establish a methodical, documented, robust process and establish that an appropriate level of thoroughness was applied in determining whether or not to proceed with works.

Mark Lamont
will deliver a
presentation on
IPWEAQ's solution to
native title and cultural
heritage compliance,
Thursday at 3:30pm.

**Section 51(1) Native Title
Act 1993** - an entitlement
on just terms to compensate
native title holders for any
loss, diminution, impairment
or other effect of the act on
their native title rights and
interests.

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A ssessment of
C ultural heritage and native
T itle

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utilities, government departments,
consultancies and mining companies
(Yearly subscription \$10,000 plus GST)

1. Resource to undertake complex assessments in a logical framework with templates, lists, registers and geo-spatial mapping.
2. Detailed record keeping system which generates a PDF documenting all elements of the assessment including text, maps and photographic evidence which supports the reason for your decision.
3. User friendly portal with a step by step process to ensure infrastructure and other projects comply with legislation which will save you time and money.
4. Interactive site which links to the latest data in government and other databases.

Contact Director, Information & Resources
📧 Mark.Lamont@ipweaq.com ☎ 3632 6806



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PROFESSIONAL DEVELOPMENT

All programs can be customised to meet your specific needs and delivered in-house at your preferred location.

**NEW
PROGRAMS**

- Managing unsealed local roads
- Basic geometric road design
- Drainage for road design
- Managing the risk on lower order roads
- Demystifying EDD applications
- Road safety audit
- Treatment of crash locations
- Bridge inspection Levels 1 and 2
- Introduction to asset management
- Road pavement (visual assessment)
- Stormwater drainage condition assessment & asset performance

- Native title and cultural heritage compliance
- Leadership – difficult conversations
- Leadership – influencing others
- The emerging leader
- *And many more programs in development*

Professional Development Packages available to deliver a single course or multiple courses over a set period of time. Packages of \$5,000 or \$10,000. EOFY is approaching!

Our training may also qualify for a funding subsidy through your RRTG under the Roads & Transport Alliance SCDF Fund.

To attain or maintain RPEQ, you must complete 150 CPD hours every three years.

Earn up to 45 CPD hours for preparing and presenting at an IPWEAQ conference.

See 10 benefits of presenting at an IPWEAQ Conference.

Contact

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or register online at
www.ipweaq.com/courses



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