

community update

Decemeber 2009



Incident response

Stanwell took part in an incident response exercise on Wednesday 18 November 2009 on the Tully River, as part of the region's emergency response preparations.

Simulating an emergency rescue on the river, the exercise allowed the participating organisations to practice coordinated communications, response and rescue procedures. The exercise was coordinated by Queensland Police Service and involved the Queensland Ambulance Service, Queensland Fire and Rescue (QFRS), local rafting organisations and Stanwell.

The water supply was shut down after local rafting companies finished tours for the day. In the case of a real incident, this is standard practice to provide response agencies with access to the area and allow them to conduct the rescue in a safe environment.

On the day, QFRS oversaw the exercise and provided feedback to participants for continuous improvement to procedures.

Stanwell continues to promote river safety through a range of brochures and advertising in major tourism outlets across Far North Queensland.



The emergency response exercise was based on a simulated rafting incident on the Tully River.



Queensland Police Service, Queensland Ambulance Service, Queensland Fire and Rescue, local rafting organisations and Stanwell took part in the exercise.

Barron Gorge Hydro performance statistics

Performance measures	Barron Gorge Hydro		Kareeya Hydro		Koombooloomba Hydro	
	Sept quarter	Year to date	Sept quarter	Year to date	Sept quarter	Year to date
Energy sent out (GWh)	40.91	50.30	76.65	113.68	4.46	6.44
Availability factor (%)	48.64	48.74	89.36	94.03	91.45	92.84

Year to date: Financial year (July 2009 to June 2010)

Energy sent out: the amount of power exported to the electricity grid after the energy used by the power station.

Availability factor: the total energy available to the system, allowing for planned and forced maintenance, as a percentage of total energy capacity.

River safety

A dedicated phone line has been installed at the Kareeya Hydro gate, as one of a range of safety initiatives undertaken by Stanwell in relation to river safety. This phone line was funded by Stanwell for rafting companies to access in emergency situations. The new phone line proved instrumental during the emergency exercise conducted on 18 November.



Kareeya Hydro Electrical Tradesman, Mick O'Kane provided an overview and handover to John McCrossin from RnR (on right) and Chris Fulton from Raging Thunder.

Safety success

October 2009 marked three major safety milestones for Stanwell's northern hydro sites.

At Barron Gorge Hydro, the team reached two years and five months employee lost time injury (LTI) free days and two years employee and contractor LTI free days.

Kareeya Hydro reached a 100 day injury free milestone.

These results are a reflection of the dedication and professional attitudes of the hydro teams, in keeping focus on their own safety and the safety of their workmates, and embracing the principles of the Zero Incident Process program.



Stanwell CEO Kim Wood recognised Barron Gorge Hydro's record number of LTI free days, in November 2009.

25 years service for Bruce Chappell

Bruce Chappell, Senior Electrical Technical Officer at Barron Gorge Hydro, marked 25 years of service in the electricity industry in November.

Bruce began his career with Queensland Electricity Supply Industry in 1975, as a special class electrician at Kareeya Hydro. Bruce went on to train as a junior power station operator, living in the small hydro village of Cardstone, before he and his family moved to Babinda, where he joined Babinda Sugar Mill.

After an eight year stint at Babinda Sugar Mill, Bruce rejoined Queensland Electricity Commission in 1984 as electrical foreman for Barron Gorge Hydro and Mackay Gas Turbine. In 1991, Bruce was promoted to acting superintendent for these sites and in 1992 was appointed to the permanent role.



Chief Executive Office Kim Wood presented Bruce Chappell with a gold watch in recognition of 25 years of service in the electricity industry.

Bruce has achieved some outstanding results during his years of service, including:

- Implementing the Permit To Work System
- Completing the first site automation project in late 1989, with all installation work being performed by site staff
- Starting the 30 year life span major overhauls for Unit 1 and 2 water turbines at Barron Gorge in 1991-92
- Implementing the first plant numbering system
- Replacing the vibration monitoring system, battery bank upgrades and minor programmable logic controller installations at Mackay Gas Turbine.

Recognition for management

Stanwell Northern Region Managers, Scott Hannay and Brad Perry, were nominated recently for Australian Institute of Management awards, with both reaching the finals for their respected categories.

Scott Hannay, O&M Business Support Manager (based at Barron Gorge Hydro) was nominated for Professional Manager of the Year. Five nominees, including Scott, made the finals for this category, with Donna-Maree O'Connor from the Tropical North Queensland Institute of TAFE receiving the award.

Brad Perry, Site Manager at Kareeya Hydro, was nominated for Rural/Remote Manager of the Year. Brad was one of four finalists, with the award being presented to Russell Toohey from Rural Training & Extension Ltd. Congratulations to both Scott and Brad for being recognised for their professionalism and work ethic.



Health, safety and the environment

2009 WorkSafe Awards

Stanwell was awarded the “Best solution to an identified electrical safety issue” at the 2009 WorkSafe Awards. This was one of five categories in the 2009 Qld WorkSafe Award program and recognised Stanwell for developing a safe method of managing arc flash hazards through the provision of registers and electrical panel door labelling.

For further information on the 2009 Qld WorkSafe Awards, visit www.deir.qld.gov.au/workplace/events/events/index.htm

Community corner

Stakeholder function – Tully

On 8 September 2009, Stanwell hosted an evening at the Leagues Club in Tully for stakeholders in the local community. These yearly events are an opportunity for Stanwell to meet with stakeholders in an informal atmosphere.

Kareeya Hydro Site Manager, Brad Perry welcomed guests to the evening and gave a short presentation on Kareeya Hydro, highlighting some of the initiatives being undertaken in the next 12 months.

The night was a great success, allowing stakeholders and Stanwell employees to mingle and learn more about the organisation and what is happening in the local community.

Community support

Stanwell continues to support the communities in which we operate, concentrating our support on education, environment and health and safety programs and initiatives.

Stanwell is a long-term sponsor of the Mission Beach Surf Life Saving Club and recently donated four surfboards and sun safe shirts for the club's nippers, for training and competitions.

Kareeya Hydro also supported the Tully Little Athletics Club with a donation of hats and water bottles.

Barron Gorge Hydro supported the Cairns branch of the Queensland Police Citizens Youth Welfare Association's Business Supporter's Club through a donation for the 'Youth at Risk' program. All donations to this program stay in Cairns. Funds raised through the membership provide opportunities for young people to take part in affordable sporting and recreational activities, youth development and leadership programs and drug and alcohol free entertainment options aimed at keeping kids off the street.

Seasons greeting message

Management and staff at Barron Gorge and Kareeya hydros wish all readers a safe and merry Christmas. We look forward to the new year and continuing our support and involvement with the local community and organisations.

Stanwell sparks interest

Stanwell sparked interest in the energy industry among students from Malanda State High School, as one of five local businesses to take part in the Cairns Industry Day hosted by the Beacon Foundation on 15 October 2009.

Students were welcomed by site manager Barry Atkins and his team on their visit to the Barron Gorge Hydro visitor centre.

Phil Kenward, Mechanical Fitter and Adam Lukey, Mechanical Technician shared their career stories and gave students an insight into their professions and the opportunities available in industry.

Students also had the opportunity to learn about the hydro plant at Barron Gorge and see how electricity is generated, right on their doorstep.

Annual industry days are a fundamental part of the Beacon program, aimed at tackling youth unemployment by giving students exposure to the diversity of positive career pathways available to them.



Barron Gorge Site Manager, Barry Atkins runs students from the Beacon Foundation through the principles of hydro electricity generation.

New members of our local community

Stanwell extends a warm welcome to all new residents of our local community. New residents who would like to be included on the Far North Queensland mailing list should contact Rhonda Rowe on 3335 3870.

Outages

Barron Gorge Hydro Unit 1 generator rewind

Work on the Barron Gorge Hydro Unit 1 generator rewind continues.

Since August 2009, the old core has been removed from the generator. This identified a number of manufacturing defects with the original stator frame and investigations were undertaken to determine the extent of remedial work. The outcome was a revised work scope to enable new core laminations to be installed. The unplanned removal of the old core provided the opportunity to align the unit from the bottom of the turbine.

Dowding & Mills UK began manufacturing the new core laminations and the first delivery was made in the second week of November 2009.

Dowding & Mills Brendale works completed the refurbishment of the rotor poles and have returned them to site.

Barron Gorge Hydro technical staff have played an important support role to generator rewind contractor, Dowding & Mills UK, in assisting with preparation work on the turbine and stator frame, purchasing equipment, refurbishing of clamp plates and arranging support labour from local supplier Dawsons Engineering.

The additional work means that the unit is expected to return to service towards the end of April 2010.

Koombooloomba Bridge upgrade

Civilplus started work on Koombooloomba Bridge at the beginning of October, setting up the laydown area and site facilities close to the bridge.

The old bridge decking is being removed to be replaced with a precast concrete deck, manufactured by Humes in Townsville. The old corrugated steel and timber deck will be removed in sections, using a gantry designed and built by the contractor. The same gantry will be used to install the precast concrete headstocks and new deck units. The upgraded bridge will be rated at 15 tonnes, which is twice the rating of the old deck.

As the bridge is in the World Heritage listed Wet Tropics area, particular care has been taken to keep construction material from entering the Tully River. A spillage platform erected under the bridge, using plywood and geotextile fabric, ensures all material is trapped for removal off site. Following completion of the new deck, road works at either end will start, to improve the bridge approaches.

The old timber beams are being recycled by the Tablelands Regional Council to assist in the repair of other timber bridges in the area.

All work is scheduled to be complete by Christmas and the start of the next wet season. Engineering supervision of the work is being carried out by GHD, a local Cairns company.

For the duration of the project, the contractor's personnel live in Ravenshoe making the 40 km journey to site each day working a 10 day roster with 4 days off.



Koombooloomba Bridge before work commenced on the upgrade.



Removing the old timber decking.



Installing the gantry crane for the Koombooloomba Bridge upgrade.



Using the gantry crane to install new precast concrete headstocks

Further information:

If you would like to be removed from this mailing list please contact Rhonda Rowe on 3335 3870.

