

HUNTER VALLEY COAL REPORT

ABN 92 506 051 400

© Copyright Nadine Brierley All rights reserved ISSN 1036-7454

16 August 2018

Number: 32/18

Wongawilli Colliery fatality not work place related	2
Whitehaven Coal announce record full year results	2
Whitehaven Coal Total Coal Resources down 80Mt in August 2018.....	3
Aurizon coal volumes up 7% in FY17	4
Minerals Council of Australia says NEG best available solution to end energy wars	4
NSW Resources Regulator seeking staff.....	5
Mount Owen Continued Operations proposed Mod 2 resubmission on display	5
NEG - upgrade to electricity interconnector between QLD and NSW a big plus.....	6
Endeavour Coal exploration licence application - Market Interest Test	6
NSW Titles renewals and applications to renew	7
Port of Brisbane \$110 million Port Drive upgrade complete	7
Port of Mackay RORO trade commences	8
RIN - positive economic impact to be gained from 30-day payment terms.....	9
Mining industry favourability rebounds to six-year high - MCA	10
New Hope Group wins three Australian Business Awards for innovative technology	11
Inquiry in to how mining industry can support regional economies	11
Company News – Aspire Mining, Aurizon, BHP Billiton, Coal Services, Newcastle Coal Infrastructure Group, Pacific American Coal, Port Waratah Coal Services, Resource Industry Network, Wesfarmers	12
Safety.....	14
Diary Dates	17
HVCCC Weekly Performance Report.....	18
TransCoal Port Congestion Graph - East Coast Australia.....	19
Braemar ACM Weekly Scope	20
DRY CARGO / BRAEMAR ACM Event Impact Analysis	22

In its 29th year of publication

Wongawilli Colliery fatality not work place related

The NSW Resources Regulator has conducted a detailed investigation into the circumstances of the death of a 48 year old worker at Wongawilli Colliery on 01 June 2017 and concluded that the fatality is not work place related.

The worker and contractors were conducting soil sampling and clean-up works around Wollongong Coal Limited's Wongawilli No.1 ventilation shaft as part of the rehabilitation of the disused mine surface infrastructure.

The worker told contractors that he felt unwell and left the work site alone in a light vehicle to seek medical attention. The worker was later found by the contractors lying on the ground near the light vehicle on the access road about 1.5 kilometres from the ventilation shaft.

The NSW Ambulance Service responded to the emergency call and determined that the worker was deceased.

The Resources Regulator states in its investigation report that it has issued this information to draw attention to the occurrence of a death in the mining industry and that the investigation has concluded and no further information will be published.

The NSW Coroner has dispensed with holding an inquest.

Whitehaven Coal announce record full year results

Whitehaven Coal Limited has reported a record net profit after tax of \$525.6 million for the year ended 30 June 2018.

Sales revenue of \$2,257.4 million was up 27%; underlying earnings were \$940.0 million, up 32%; and cash generated from operations of \$854.0 million were up 30%.

Whitehaven Coal said in its report that managed run of mine (ROM) coal production of 22.9 million tonnes (Mt) and coal sales of 22.1Mt, were in line with and 7% higher respectively than the previous corresponding period (pcp), reflecting the ongoing ramp up of Maules Creek and strong performance from the Gunnedah open cuts.

Full year ROM coal production at Maules Creek was 11.0Mt, an increase of 13% on the pcp. ROM coal production of 5.7Mt from the smaller open cuts was ahead of budget, while production at Narrabri of 6.3Mt was impacted by several localised weighting events and some mechanical issues on the new 400 metre wide face, each resolved by year end.

Metallurgical coal sales represented 17% of total sales for the year.

The Company said that FY2019 guidance for saleable coal production is expected to be in the range of 22.0Mt to 23.0Mt. Costs for the year are likely to increase modestly to \$64/t excluding royalties due to higher fuel costs and longer hauls at Maules Creek.

Commenting on the record results, Whitehaven Coal Managing Director and CEO Paul Flynn said, "It is a compelling and tangible illustration of how Whitehaven has successfully set about building a portfolio of quality assets and executing against an agreed strategy."

“We are at an exciting stage in the company’s evolution in that we are bringing together quality production assets and a development pipeline offering greater scale and geographic diversity, against a backdrop of coal prices at historic highs and a track record of successful delivery.”

“FY19 is shaping up as another strong year for the company with the outlook for coal demand in Asia set to remain strong across both established and emerging markets. For example Japan, Whitehaven’s largest thermal coal customer, has plans to build up to 30 new ultra super critical power stations as sub-critical generation capacity is retired.”

Whitehaven Coal said that its investment in the development of Maules Creek at the bottom of the coal price cycle ensured that the Group continues to be well positioned to capitalise on a robust coal price environment.

Maules Creek delivered production in the second half of FY2018 at an annualised rate of 11.7Mt with competitive costs and a high quality product that attracted significant premiums to the prevailing thermal prices.

“This is reflected in the significant contribution that Maules Creek has made to Whitehaven’s FY2018 underlying EBITDA result. Whitehaven’s portfolio is expected to strengthen further in the coming years with greenfield opportunities at Vickery and at the Winchester South project in Queensland,” the Company said.

“Safety performance continued to improve during the year. Whitehaven’s Total Recordable Injury Frequency Rate (TRIFR) of 6.9 recordable injuries per million hours at the end of June fell from 7.4 at June 2017,” the Company said.

Whitehaven’s TRIFR is well below the NSW coal mining average of 14.7.

Whitehaven Coal Total Coal Resources down 80Mt in August 2018

Whitehaven Coal Limited has updated its managed Coal Resources and Coal Reserves under the JORC Code 2012. Total Coal Resources have decreased by 80 million tonnes (Mt) from 3,982Mt in August 2017 to 3,902Mt in August 2018.

Coal Reserves increased by 11Mt to 985Mt and Marketable Reserves increased by 23Mt to 885Mt from the August 2017 Coal Resources and Reserves Statement.

The increase in Reserves occurred at Narrabri South Underground following additional drilling and modelling of the deposit during the year.

Key changes from the previous (August 2017) Coal Resources and Coal Reserves Statement are as follows:-

- Open cut Coal Reserves and Marketable Reserves at Maules Creek were unchanged at 500Mt and 440Mt respectively, despite mining depletion of 11Mt during the year;
- Recoverable Coal Reserves at Narrabri increased by 15Mt to 233Mt following the inclusion of additional Reserves in the southern exploration licence, while mining depletion was 6Mt for the year. Marketable Reserves increased by 27Mt to 222Mt from 195Mt the previous year. See the attached Table 1 for details of the Coal Reserves at Narrabri;
- Recoverable and Marketable Coal Reserves for Tarrawonga, Rocglen and Werris Creek decreased by 2Mt, 1Mt and 2Mt respectively, due to mining depletion since the last statement in August 2017.

“Whitehaven completed the acquisition of the Winchester South project from Rio Tinto in June 2018. The Coal Resources for the project will be incorporated into Whitehaven’s Coal Resources during the next year,” the Company said.

Coal Resources and Reserves for active mining areas are as at 31March 2018.

Aurizon coal volumes up 7% in FY17

Aurizon has announced in its Annual Report that coal volumes increased by 14.2mt (7%) to 212.4 million tonnes (Mt).

“The increase reflects the FY2017 volume impact of Cyclone Debbie, the commencement of new contracts and the continued strength in coal prices resulting in high levels of customer demand, partly offset by lower network availability in the Central Queensland Coal Network (CQCEN) in 2HFY2018,” Aurizon said.

In NSW and South-East Queensland (SEQ), volumes increased by 5.2mt (10%) to 59.9mt driven largely by the commencement of the AGL Macquarie contract in July.

Across CQCEN, volumes increased by 9.0mt (6%) to 152.5mt, reflecting the FY2017 volume impact of Cyclone Debbie and the commencement of new contracts in late FY2017 and FY2018.

Coal revenue increased \$18.2m (1%) to \$1,813.2m driven by the growth in volumes offset by lower access revenue.

Above rail revenue increased \$51.0m (4%) compared to FY2017 reflecting the 7% increase in volumes.

Aurizon states that coal track access revenue decreased \$32.2m (5%), largely driven by customers on the Blackwater and West Moreton corridor converting to an End User Access Agreement (where access charges are paid direct to Network or Queensland Rail).

“As access charges are generally passed through to customers, there is a decrease in track access costs as noted below.”

“This reduction was partly offset by a \$29.8m credit from Queensland Rail received in 1HFY2017 following the approval of the access undertaking for the West Moreton system (SEQ) which lowered track access revenue in the prior year,” the Company said.

Excluding the impact of this credit, coal track access in CQCEN decreased by \$62.0m.

Coal revenue increased \$18.2m (1%) to \$1,813.2m driven by the growth in volumes offset by lower access revenue.

Minerals Council of Australia says NEG best available solution to end energy wars

Minerals Council of Australia Chief Executive Officer, Tania Constable has issued a statement urging Coalition MPs and State Governments to back the National Energy Guarantee (NEG) in coming weeks as the best available solution to end the energy wars.

Ms. Constable said that Australian businesses and households need the NEG to help lower electricity prices and improve reliability.

“The minerals industry uses 11.5 per cent of Australia’s electricity. Together with the mining equipment, services and technology sector, we employ 1.1 million people, or one in ten Australians,” she said.

“We support the NEG and locking in the 2030 emissions reduction target of 26 per cent in legislation to help deliver certainty for business and families.”

“Australia has an abundance of resources in every State – coal, gas, solar, wind and the minerals to support them yet we are a nation at war over energy,” said Ms. Constable.

“If this policy is blocked by those who put politics ahead of the national interest, then Australia will continue to have a dysfunctional energy system.”

“This means higher prices for everyone and declining competitiveness for Australian business, which has already lost the comparative advantage of low energy prices and now faces some of the highest energy costs in the developed world,” she said.

“It’s time for the Australian Government and the States to put aside their political differences on energy and support businesses, families, jobs and our future by backing the NEG.”

NSW Resources Regulator seeking staff

The NSW Resources Regulator is recruiting with the following vacancies open:

- Admin Officer, Maitland, Clerk 3/4
- Project Officer (Executive Operations), Maitland, Clerk Grade 7/8
- Assistant Project Officer, Maitland, Clerk 5/6•Integrity & Assurance Officer, Maitland, Clerk 9/10
- Senior Project Officer (Geospatial), Maitland, Clerk 9/10
- Manager Innovation Projects, Maitland, Clerk 11/12
- Manager Capability Development, Maitland, Clerk 11/12
- Senior Project Officer (Capability), Maitland, Clerk 9/10
- Administrative Officer, Maitland, Clerk 3/4
- Executive Assistant, Maitland, Clerk Grade 7/8
- Manager Industry Engagement, Maitland, Clerk Grade 11/12
- Senior Inspector Environment, Maitland, DPO IV
- Investigator, Maitland, Inspector Grade 1
- Senior Project Officer (Monitoring & Evaluation), Maitland, Clerk 9/10
- Principal Compliance Officer Assessment & Coordination, Maitland, Mine Safety Officer Grade 2
- Compliance Officer, Maitland, Clerk 5/6
- Senior Inspector Environment, Maitland, Departmental Professional Officer Grade 4
- Inspector Environment Departmental Professional Officer, Maitland, Grade 3

Base salaries range from \$70,652 to \$158,432.

The Resources Regulator is the NSW Government’s regulatory agency responsible for enforcement of Work Health and Safety and regulatory compliance, including mine rehabilitation obligations, at NSW mines and petroleum sites.

The business is made up of 10 branches under two streams, each headed by an Executive Director. All of the branches work in synergy to achieve strategic objectives.

Applications will only be accepted at <http://bit.ly/RRVacancies>

Mount Owen Continued Operations proposed Mod 2 resubmission on display

Mount Owen Continued Operations near Muswellbrook in NSW has resubmitted its Modification 2 proposal.

The application proposes the modification of SSD-5850 to allow for access to an additional approximately 35 million tonnes of run of mine coal from the North Pit and the extension of the approved Mount Owen Mine life by an additional 6 years through to 2037.

The Environmental Impact Statement for the proposal is on exhibition from 09 August to 05 September 2018.

NEG - upgrade to electricity interconnector between QLD and NSW a big plus

Queensland Resources Council (QRC) Chief Executive Ian Macfarlane has said that Queensland is the ideal case study on how to deliver power affordability, reliability and emissions reductions under the National Energy Guarantee (NEG).

Mr. Macfarlane said that the State and Federal Governments should resolve their differences on the National Energy Guarantee (NEG) by taking action to upgrade the interstate electricity connector sending Queensland's surplus power to the southern states.

"The Federal Government wants to have a 'NEG-plus' plan, which is the National Energy Guarantee plus a range of other actions to bring down prices and increase supply. "A big plus for the entire East Coast would be an upgrade to the electricity interconnector between Queensland and New South Wales," he said.

"Queensland already keeps the lights on in New South Wales and Victoria through the export of our surplus coal-fired electricity."

"An upgraded interconnector would mean that we can sell more electricity, guaranteeing those Australians with the misfortune of not living in Queensland a more stable power supply."

"For Queensland, it would send the signal to keep developing electricity generation, which will be primarily renewables due to the cost of gas, as well as maintaining a young coal-fired power generation fleet. This could include a new coal-fired power station using HELE technologies."

"Queensland has energy security. We have coal to provide baseload power. We supply gas to the domestic market, and more is coming online. And we have a massive expansion of renewables," said Mr. Macfarlane.

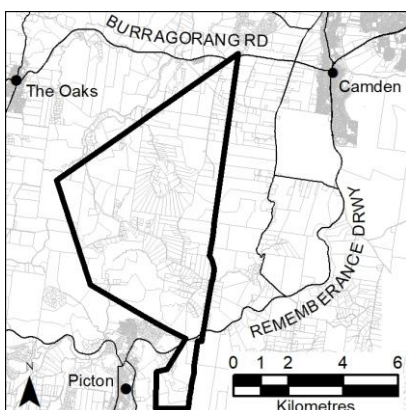
"While Queensland benefits from our full energy mix, the southern states are, quite frankly, energy mixed up. They're closing coal-fired power stations. They're not developing gas. It's harder, not easier, to develop renewables."

"To deliver on 'NEG-plus' other states must follow Queensland's lead. That means both the Federal and State Governments should resolve their differences and deliver on the NEG," Mr. Macfarlane said.

Endeavour Coal exploration licence application - Market Interest Test

Endeavour Coal Pty Limited has applied to the NSW Department of Planning and Environment, Division of Resources and Geoscience for a coal (Group 9) exploration licence for operational allocation purposes in accordance with Section 13C of the Mining Act 1992 and Clause 20 of the Mining Regulation 2016.

Exploration Licence Application No. 5710 is located about 6.75 kilometres north of Picton over an area of 4087.29 hectares, embracing the surface to a depth of 900 metres below Australian Height Datum.



The location of the Application can also be viewed on the Division's online mapping tool "MinView" at www.minview.geoscience.nsw.gov.au

In order to determine the Application, the Division is required to assess if there is market interest in the Application Area from other potential applicants that have an interest in exploring for and potentially developing any coal resources within the Application Area, which may justify a competitive selection process for release of the area. Interested parties making submissions should:

- Provide details of why they are expressing an interest in the Application Area and an overview of how the Application Area could form part of an existing or potential mining operation (whether stand-alone in the Application Area or incorporating other land outside the Application Area); and
- Provide details of their experience in coal mining and exploration and/or developing a mining operation.

While not intending to limit or prescribe the content of a submission, responses are encouraged to include an overarching conceptual mine plan that incorporates the Application Area and demonstrates, depending on the application:

- An enhanced mine design;
- Recovering a coal resource that would otherwise be sterilised; and
- Extension of an existing mine life.

Submissions received by the required date will be treated as confidential and will be considered by the Minister when determining the Application. Submissions received may form the basis of material submitted to the Advisory Body for Strategic Release to inform their work. This notification does not amount to an invitation for an exploration or mining lease over the Application Area nor constitute a release of the area in accordance with the NSW Government's Strategic Release Framework.

NSW Titles renewals and applications to renew

Bengalla Mining Company Pty Limited has renewed Mining Lease 1397 (Act 1992). Renewal effective on and from 13 July 2018.

Shoalhaven Coal Pty Limited has lodged an application to renew Exploration Licence 6007.

Endeavour Coal Pty Limited has lodged applications to renew Authorisation 312 (Act 1973) and Authorisation 395 (Act 1973).

Port of Brisbane \$110 million Port Drive upgrade complete

Completion of the \$110 million Port Drive Upgrade in Queensland has given the Port of Brisbane world class road access to the rest of South East Queensland.

Port of Brisbane Chief Executive Officer, Roy Cummins said that the Port Drive Upgrade is the biggest road project ever undertaken by the Port of Brisbane and is a significant infrastructure investment designed to help future-proof the Port as it continues to grow.

"This project is crucial because the Port of Brisbane is the 'beating heart' of Queensland's economy, handling around \$50 billion in international trade annually with the precinct home to more than 70 businesses, supporting thousands of jobs," said Mr. Cummins.

"Every year, more than 3.1 million vehicles travel on port roads, and as trade continues to grow, so too does the Port itself."

"It's absolutely vital that we continue to invest in road, rail and waterside infrastructure that will support the growth of this vital asset for the State."

Mr. Bailey dedicated the new Port Drive shared path, also constructed by the Port of Brisbane, to the late Mr. Peter Frawley, a respected employee of DP World Australia and a much-loved father and husband who tragically lost his life in a road accident while cycling on port roads in 2007.

The Port Drive Upgrade Project has been recognised for its sustainability and innovation, with the project incorporating a number of Australian and Queensland ‘firsts’ and also receiving an ‘Excellent’ rating for its Design by the Infrastructure Sustainability Council of Australia (ISCA).

Port of Mackay RORO trade commences

Queensland’s Port of Mackay is set to receive its first roll-on roll-off (RORO) trade.

State Transport and Main Roads Minister Mark Bailey said that the port was due to welcome a cargo of four massive mining trucks, bound for the Bowen Basin mining sector.

“This will be the first time a RORO vessel has come into the Port of Mackay, off the back of a \$9.8 million infrastructure upgrade delivered under the Palaszczuk Government’s Accelerated Works Programme,” Mr. Bailey said.

“With the critical METS hub just down the road at Paget, the Port of Mackay’s new RORO capability really does open up a new world of economic opportunity for the region.”

“This Government is committed to regional Queensland. In addition to investing in the port, we have funded a range of other critical projects in the region such as the Vines Creek Bridges upgrade and the Mackay Ring Road.”

Member for Mackay and Assistant Minister for State Development Julieanne Gilbert said that the Port of Mackay was a critical asset for the people of the Mackay, Isaac and Whitsunday region.

“The port is the logical gateway for break bulk cargo bound for the Bowen or Galilee basins,” Assistant Minister Gilbert said.

“North Queensland Bulk Ports Corporation (NQBP) has invested heavily in port upgrades in recent years, and I congratulate them on securing this important new trade.”

“With mining activity picking up strongly over the past year, NQBP is well positioned to facilitate the extra trade at the port.

“We also see positive flow-on effects for local businesses, as the fleets often require quarantine wash down, cleaning, assembly or even painting and refurbishing once they arrive in Mackay.”

NQBP Acting CEO Officer Brendan Webb said that after being unloaded in parts at the port, the 794AC trucks will be transported to the nearby mining equipment, technology and services (METS) hub in Paget for assembly.”

“Before the infrastructure upgrade, RORO vessels could not berth at Mackay and this cargo would instead have had to travel large distances along the highway from southern ports.”

The RORO upgrade involved replacing the fenders at two wharves within the port and amending the wharf infrastructure so that a RORO ramp can be used to roll cargo on or off a ship, as opposed to lifting heavy vehicles off vessels with a crane.

NQBP marine pilots undertook training to manoeuvre RORO ships into the Port of Mackay at the Queensland Government's Smartship Australia simulator in June.

The world-class training facility was able to simulate a RORO ship pilotage experience, complete with tug boat, within a virtually recreated Mackay harbour.

The Port of Mackay experienced its strongest trade in four years in the 2017-18 financial year, with more than three million tonnes of throughput.

Break bulk cargo grew by more than 1000% and the port is set to continue supporting local industry growth in the year ahead.

RIN - positive economic impact to be gained from 30-day payment terms

Resource Industry Network (RIN) has released a report which analyses the effects on the mining supply chain and demonstrating that the regions will miss out new jobs and other significant flow-on economic benefits from the continuation of extended payment terms, stating the report highlights that there is clearly a widespread positive economic impact to be gained from returning to standard 30-day payment terms.

The report "*Economic Analysis of Impacts of Extended Payment Terms*", prepared by Lytton Advisory on behalf of RIN, includes data and breakdowns on resulting practices in the industry supply chain such as financing, payment terms, and cashflow impacts, as well as identifying the effects on local businesses and the economy.

The mining services sector is the major contributor to the Mackay economy and the report identifies that reverting to 30-day payment terms could result in hundreds of jobs, \$150m increase in wages, and \$250m in Gross Regional Product when taking into account flow-on impacts during the next five years.

RIN General Manager, Adrienne Rourke, said that the report was commissioned to demonstrate that this specific industry practice was a road block to the growth of businesses in the sector, as well as eroding their ability to invest and employ more people.

"The report highlights the significant variance in financial outcomes to two otherwise identical companies when subjected to 30-day versus 60-day payment terms," Ms. Rourke said.

"It is an opportunity that is being missed for stronger outcomes for both the resources sector and the METS sector."

"There are also case studies in the report that highlight major operational differences between otherwise identical companies when subjected to varying payment terms," she said.

"The consultants also identified that amongst the RIN members interviewed there was a high level of uniformity regarding what constituted fair and reasonable payment terms: 30 days from end of the month."

"RIN Members also noted that there was no standard approach by large mining companies to extended payment terms with a wide array of arrangements reported."

RIN commissioned this report following a survey of the supply chain carried out with six other regional economic development groups last year which identified that 75% of respondents were affected by extended payment terms to the point where they were scaling back on expansion plans, restocking, employment, technology investment and acquisitions.

Ms. Rourke said that the launch of this report is timely given the Parliamentary Inquiry into Mining Industry Support for Regional Businesses.

“We will be using this report to support the submission on behalf of our members to the Parliamentary Inquiry, as it clearly outlines the missed opportunity to regional businesses and our regional economy as a direct result of extended payment terms,” Ms. Rourke said.

Mining industry favourability rebounds to six-year high - MCA

Opinions of Australians towards the mining sector are at their highest level in six years, with net favourability rebounding to +28 after hitting a low of +1 in February 2016, according to the Minerals Council of Australia (MCA).

MCA Chief Executive Officer, Tania Constable, said in a statement that public opinion research conducted for the MCA by JWS Research in May 2018 also shows that views towards coal mining, iron ore, gold and uranium have all significantly improved since early 2016.

“Outright support for the mining industry amongst Australians outweighs opposition by more than three to one, with total support at 46 per cent versus total opposition at 13 per cent,” Ms. Constable said.

The main reasons provided by respondents to support the Australian mining industry included:

- Providing high-wage, high-skill, high-technology jobs for Australians (55 per cent agreement)
- Providing resources essential for modern life, technology and business in Australia (55 per cent)
- Providing almost 60 per cent of the jobs in the regional communities in which it operates (53 per cent).

“Australians had strong positive views on the perceived importance of resource industries for the nation’s future. Iron ore was seen by 14 per cent of people as the most important resource, with coal and battery minerals like lithium and cobalt (both 9 per cent) also seen as important,” said Ms. Constable.

“We welcome the strong positive support for the world-class mining sector amongst Australians. These results show that the advocacy of the MCA, our members and other industry supporters is working to restore public support for the industry.”

“However, the results also show that our industry needs to do more to address perceptions amongst some Australians that the industry does not do enough to manage its environmental impact, look after employees or share prosperity across the community,” Ms. Constable said.

“Almost half of those surveyed believed mining companies should be repatriating land that had been mined, with strong views also recorded on the need for companies to invest in health and welfare programmes including mental health and social welfare.”

“Australian mining has a strong track record in mine rehabilitation and investing in regional communities. The research indicates that the industry needs to provide more information to the public about its positive activities in these and other areas.”

The research also showed that the MCA’s Making the Future Possible industry positioning campaign is having a positive effect. Net favourability of the mining industry was six points higher (+34 versus +28) amongst those who had seen the campaign, increasing to +40 amongst all Australians after they had seen the campaign and considered reasons to support and oppose the Australian mining industry.

Ms. Constable said that the MCA and its members will use these results in future industry communication and campaigning work, including highlighting the great work being done by Australian mining companies in responsible environmental management and health and safety.

The qualitative phase of the research included face to face focus group discussions in Parramatta and Melbourne and online discussion forums amongst regional mining communities, whilst a nationally representative sample of 1,500 Australians was surveyed in the quantitative phase.

New Hope Group wins three Australian Business Awards for innovative technology

New Hope Group has won three 2018 ABA100 Australian Business Awards for its innovative work in x-ray technology and automatic braking systems and its contribution to community.

A trial of x-ray sorting technology by New Hope's New Acland Mine was recognised as a 2018 ABA100 winner for Business Innovation for its ability to improve the quality of coal before its processed through the mine's wash plant.

New Acland Mine trialled x-ray and high pressure air jets to eject reject material from raw coal at a testing facility in Melbourne, in what could be the first ever Australian coal application of the novel sorting technology.

New Hope's Jeebropilly Mine was also named an ABA100 winner for Business Innovation for its Automatic Braking System, a failsafe braking design that ensures safe passage of mining equipment underneath road overpasses and bridges.

Developed on site by Jeebropilly's maintenance team, the technology has since been installed across the site's mining fleet.

New Hope was also named ABA100 winner in the Community Contribution category for its work in communities around its operations, including its commitment to local procurement, industry skills programmes and community consultation.

The award also recognises New Hope's nine year partnership with RACQ LifeFlight Rescue which delivers aeromedical services and rural safety skills to locals living around New Acland Mine.

New Hope Managing Director and Chief Executive Officer Shane Stephan said that the awards were well deserved recognition of a workforce encouraged to innovate and engage from the ground up.

"New Hope has a long history of backing in-house innovation and I'm proud to say that almost all of our innovative technologies have been initiated, developed, championed and utilised by our employees," Mr. Stephan said.

"That level of direct involvement from our workforce seeking to continually improve, streamline and progress our operations is something that is distinctly New Hope and something worth promoting."

Inquiry in to how mining industry can support regional economies

The Innovation, Industry, Science and Resources Committee will be holding public hearings in Canberra on Wednesday, 15 August 2018 and Wednesday, 22 August 2018 as part of its inquiry into mining sector support for regional businesses.

The Committee will hear from relevant government agencies on the terms of reference as well as the role of governments in ensuring the benefits of mining development flow to regional economies throughout Australia.

The inquiry will consider questions including:

- The appropriateness of the payment terms offered to businesses by the mining sector;
- Best practices between the mining sector and businesses, especially in regard to how they can support regional communities and economies;
- Barriers to the greater use of regional businesses in the procurement of services by the mining sector;
- Building the skills and expertise of businesses to leverage opportunities in the mining sector;
- Opportunities for businesses to diversify to other markets; including the mining industry in Australia and overseas, and across different industries; and
- The role of mining equipment, technology and services (METS) organisations in R&D and innovation and how payment terms impact on companies' ability to invest in these areas.

Company News – Aspire Mining, Aurizon, BHP Billiton, Coal Services, Newcastle Coal Infrastructure Group, Pacific American Coal, Port Waratah Coal Services, Resource Industry Network, Wesfarmers

Aspire Mining Limited rail subsidiary, Northern Railways LLC, has received an executed Third Amendment to the Erdenet to Ovoot Rail Concession Agreement to extend the date for completion of the conditions precedent from 20 August 2018 to 20 February 2020. Aspire Mining said that while the recently completed Rail Feasibility Study is an important milestone, remaining important conditions include Definitive Environmental Impact Assessment and Management Plan, Land Use Agreements and Funding availability. The Company said that it is targeting the June Quarter 2019 to complete these outstanding Conditions Precedent. “The Rail Feasibility Study review has been completed and translation into Mongolian has commenced,” Aspire Mining said. “Consistent with Mongolian Government expectations, modifications have been made to the design to ensure compliance with Mongolian Class II rail standards so that it is capable of delivering up to 30 million tonnes per annum (Mtpa), reflecting an expectation of significant transit freight demand.” The Company said that this will result in a marginal increase in construction cost but it sits well within the 10% contingency range. “While engineered to carry up to 30Mtpa, the Rail Feasibility Study has not assumed any benefit from transit freight volumes.”

Aurizon has announced that its train drivers are continuing to experience alarming rates of level crossing incidents across its operations and is urging the community to stop taking risks at level crossings. Aurizon Managing Director & CEO Andrew Harding said, “Over the past year, our drivers experienced more than 130 dangerous near misses at level crossings because of reckless behaviour by motorists. “We are urging people in all communities to stop taking risks with their lives and the lives of our drivers. If people continue to take risks, it’s only a matter of time before the outcome is fatal,” “When our drivers see a vehicle or a person on the tracks, they can’t simply stop or swerve to miss. Even when the emergency brakes are applied, a fully loaded train can take two kilometres to stop, and the outcome can be devastating,” said Mr. Harding. Aurizon’s call to action comes as part of National Rail Safety Week, which commenced on 13 August. It is the rail industry body TrackSAFE’s annual community awareness week held in Australia and New Zealand and designed to engage the community in safe rail practices. This year, Aurizon has partnered with TrackSAFE and the Queensland Government on a series of billboards to share the rail safety message. The billboards are located on the Dawson and Bruce Highways in Central Queensland, and the Pacific Motorway and Gateway North Motorway in South East Queensland.

BHP Billiton Limited staff will make science, technology, engineering and mathematics (STEM) come to life for Emerald and Blackwater students when they visit Emerald State High School and share their career stories with students to inspire them to continue studying STEM fields as part of the Queensland Minerals and Energy Academy’s (QMEA) STEM4 School Kids programme. Students will experience hands-on science, undertake experiments in copper extraction and learn process engineering techniques and mine resource management.

It coincides with the Year 10 students considering their subjects for senior study and future career pathways, in the lead up to National Science Week (11-19 August). “It’s very important that students join the dots between their lessons and the practical application of STEM subjects and our staff thoroughly enjoy making this happen,” said BHP’s Peter Dowling. The QMEA is a partnership between the Queensland Resources Council (QRC) and the Queensland Government under its Gateway to Industry Schools programme. It has 46 schools throughout Queensland.

Bounty Mining Limited has announced the completion of its upgrade of the Koorilgah Rail loop servicing its Cook Colliery in Queensland’s Bowen Basin to full axle load capacity trains. Bounty said that, prior to restarting operations at Cook early in 2018, the rail loop had been downgraded to 20 tonne axle load capacity, limiting Bounty to using partly loaded trains carrying 5,500 tonnes of coal at a time. Full capacity trains, of 8,500 tonnes, will deliver operating cost savings of at least \$5 per tonne of coal in line with prospectus forecasts. “Bounty spent \$2 million on the upgrade, which included the installation of new ballast, formation work, new sleepers and weightometer and train overload facilities,” the Company said. Bounty has also completed the successful transfer of a fourth continuous miner underground at Cook Colliery. After initial commissioning, this machine is expected to commence cutting coal in the third week of August. An additional sumping machine is scheduled to go underground at the end of August, which is expected to increase the mining rate to the nominal 1 million tonnes per annum (Mtpa) run of mine (ROM) rate from 6 September 2018. Bounty said that it is currently on track to achieve its target of 2.2Mtpa ROM production in line with its production forecast for June Quarter FY19.

Coal Services Pty Limited Managing Director/CEO, Lucy Flemming, was one of 25 Hunter leaders to take part in the Westpac Rescue Helicopter’s Leaders Leap; one of the Service’s most adventurous and successful fundraising events. Ms. Flemming leapt from the top of Newcastle’s iconic McDonald Jones Stadium on Friday, 10 August. Coal Services has proudly supported the Westpac Rescue Helicopter Service since 2010. The Service embodies the company’s commitment to giving back to the industry, families and communities in which we operate where safeguarding their health, wellbeing and welfare is important. So far, the leaders have raised over \$70,000 collectively, with the total increasing by the day. Ms. Flemming thanked everyone who supported her in this challenge saying that she had set out to raise \$2,500 and that through the generosity of friends, family, colleagues and industry partners, she raised over \$13,000. Donations may be made until Friday, 17 August. Visit the [Leaders Leap Website](#) for more information. Facts about Westpac Rescue Helicopter Service:

- Since 1975, nobody has ever had to pay to be assisted by the Westpac Rescue Helicopter Service.
- Today, the Service is there for 1.5 million people throughout Northern NSW and saves close to 2,000 lives each year.
- The Service relies on corporate sponsorships and community fundraising to do so.

Newcastle Coal Infrastructure Group (NCIG) Chief Executive Officer, Aaron Johansen and Chief Financial Officer, John Kite recently visited the coal fired Isogo Thermal Power Station in Yokohama, Japan. The high-efficiency-low emissions (HELE) plant is one of several destinations in Asia to where NCIG exports coal. Mr. Johansen said that the Isogo plant leads the way in coal fired power production technology and that it was obvious the plant’s owners, J-Power, had taken a considered approach to the local amenity when redeveloping the plant to incorporate the HELE technology. “Looking at the facility, you would be forgiven for thinking it was just a couple of tall buildings. Even the steam stacks have been designed in a way that is aesthetically pleasing from the local parkland,” said Mr. Johansen. With traditional power stations operating at sub critical 35% efficiency, the Isogo plant operates at 45% efficiency, meaning it burns less coal to produce more energy. The main difference at the HELE power plant is that coal is pulverised before going into the furnace, creating more energy from a single lump of coal. The steam that is then produced can hit 600 degrees, spinning the turbines with greater force than a conventional coal-fired turbine. “NCIG exported over 15 million tonnes to Japan in FY18, so it was great to see one of our end-users leading the way in coal-fired energy production, using coal from the Hunter region, delivered by NCIG,” Mr. Johansen said.

Pacific American Coal Limited (PAK) has commenced drilling at the Company's 100% owned Elko Coking Coal Project in British Columbia, Canada. The Company said in a statement that construction of access roads, bridges and initial drill pads has been completed, with the drill rig arriving on site to commence the planned RC drilling and 3-inch coring. PAK said that its programme of up to 11 rotary and spot core holes will focus on improving coal quality information; identifying general structural trends, features and domains; and importantly collecting coal core from the high value SM7 and SM5/SM6 seams. "Pre-drilling activities are completed on schedule and without any safety incidents or lost time injuries and on site weather conditions remain favourable," PAK said. Wild fires, whilst reported in the area, have not impacted PAK's activity. PAK said that it's on the ground management team is closely monitoring the situation and keeping in constant contact. "The programme remains on schedule, with drilling and remediation activities expected to be completed by Q1 2019; Assayed drilling results, followed by a resource update, are due for market release in early in 2019," said PAK.

Port Waratah Coal Services (PWCS) recycled over 8,000 metres of disused conveyor belts in 2017 that would have otherwise gone to landfill. This included 151 tonnes of used fabric conveyor belt that was recycled to be reused for agriculture, industrial, matting and protective covering purposes. PWCS said that its objective in waste reduction is to improve resource efficiency, with an active focus on recycling and landfill diversion. "Each year we set a target to improve our landfill diversion rate by 2.5%." "With 65km of conveyor belts at our Kooragang Terminal alone, one of our initiatives was to identify a long-term, sustainable solution for repurposing old belts and avoiding the landfill disposal of this useful resource," said PWCS.

Resource Industry Network and Mackay Region Chamber of Commerce will hold Two Advisory Board courses in Mackay that could potentially help the region's businesses to grow and improve leadership within local companies. The Advisory Board Essentials courses are being held in Mackay on September 3 and 4 with the first course aimed at businesses considering implementing an Advisory Board, and the second course designed for individuals considering taking on an Advisory Board position. The Advisory Board Essentials course for businesses will be held on Monday, September 3 at the Jubilee Community Centre with registrations limited to 20 at a cost of \$50. The Advisory Board Essentials course for advisors will be held on Tuesday, September 4, at the same venue, however Expressions of Interest are required to be submitted prior to registration. The initiative is funded by Local Buying Foundation and Mackay Regional Council. To register or fill out an Expression of Interest, go to: www.resourceindustrynetwork.org.au/events

Wesfarmers Limited has announced in its 2018 Full Year Results that, despite continued strength in export coal prices, revenue of \$1,689 million was 3.3 per cent lower than the prior year due to the divestment of Curragh, completed on 29 March 2018, which also resulted in a decline in EBIT of 11.4 per cent to \$359 million. "Within this result, royalties increased \$69 million to \$331 million, including an increase in the Stanwell rebate expense of \$81 million to \$179 million," Wesfarmers said. Earnings from Wesfarmers' 40 per cent interest in the Bengalla mine were \$172 million, representing a strong result driven by strong thermal coal prices and higher export sales volume. Bengalla's total sales volumes were up 8.3 per cent and production volumes were up 6.9 per cent to take advantage of the higher export thermal coal prices. On 7 August 2018, Wesfarmers announced the sale of its 40 per cent interest in the Bengalla joint venture for \$860 million with the sale expected to complete in the fourth quarter of 2018. The sale of Wesfarmers' interest in Bengalla concludes the strategic review of Resources.

Safety

Weekly Incident Summary 2018

Source: NSW Government

View the Weekly Incident Summary [here](#)

Serious injury Bulga Surface Operations, Singleton NSW

Source: NSW Government

A worker suffered serious leg injuries during a nose-to-tail collision between two rear dump haul trucks. The injured worker was transported to hospital for treatment. The NSW Resources Regulator has commenced an investigation into the incident.

Damaged nose of haul truck. Photograph by Major Investigation Unit.



Bulga Coal Management Pty Limited is the mine operator of the Bulga Surface Operations. The mine is part of Glencore Bulga Coal and is on Broke Road near the rural villages of Bulga and Broke. Bulga Coal is 15 kilometres southwest of Singleton, NSW.

Bulga Coal comprises of an open cut and coal handling preparation plant. The open cut is a truck and shovel operation that produces semi soft coking coal and thermal coal for export.

The open cut has a fleet of about 50 haul trucks.

At 3.45 am on 23 July 2018, a labour-hire worker, aged 28, was operating an unladen haul truck at Bulga Surface Operations. The worker drove along a haul road toward a second 223-tonne rear dump truck that was stopped on the haul road to give way to other vehicles entering the haul road.

The worker failed to stop, which caused a nose-to-rear collision with the second unladen haul truck. The front of the worker's haul truck impacted with the rear edge of the tray of the second truck, crushing the operator's cabin and trapping the worker inside.

The mine's rescue team released the worker from the crushed cabin. The worker was transported to hospital where he underwent medical treatment.

The worker suffered multiple fractures to his right leg and a small laceration to the face. The worker operating the second dump truck was uninjured.

Nose-to-tail collision of two dump truck showing height of truck tray and cabin. Photograph by Major Investigation Unit.



Resources Regulator inspectors and investigators responded to the incident and commenced an investigation to determine the cause and circumstances of the incident.

The mine operator and labour-hire company are cooperating with the investigation.

Preliminary enquiries indicate that fatigue may be a causal factor.

An investigation report will be prepared for the Secretary of the Department of Planning and Environment.

Mine and petroleum site operators are reminded of their duty to identify hazards and manage risks to health and safety associated with the movement of mobile plant in accordance with the provisions of the Work Health and Safety Act 2011 and Work Health and Safety (Mines and Petroleum Sites) Act 2013 and Regulations.

Mine operators must have effective safety management systems in place and identify risks associated with the operation and movement of mobile plant. In managing these risks mine operators must have regard to the design and layout of all roads used by mobile plant. Consideration must also be given to the management of risks to health and safety associated with worker fatigue.

Principal hazard management plans must have control measures for roads and other vehicle operating areas.

When developing control measures ensure all potential collision situations involving mobile plant interaction are identified. Consider the hierarchy of controls; including engineering controls such as mine road design and construction, proximity detection and collision avoidance systems, identification lights on mobile plant and mobile plant monitoring systems.

Mine operators must also ensure that workers are adequately trained and competent in the safe use of mobile plant and fitness for work procedures.

Workers must take reasonable care for their own health and safety and comply with reasonable instructions that are given to manage fatigue risks. Workers should report to their supervisors or managers when they are fatigued and avoid undertaking safety critical or high-risk tasks, including monotonous work such as driving haul trucks.

Diary Dates

16-17 Aug 2018	Informa – Australian Coal Conference Radisson Blu Plaza Hotel Sydney NSW www.informa.com.au/coal18
19-22 Aug 2018	Queensland Mining Industry Health and Safety Conference 2018
24 Aug 2018	Hunter Business Mining
09 Sept 2018	23rd Annual Memorial Say Service https://me.cfmeu.org.au/news/23rd-annual-memorial-day-service
10-11 Sept 2018	AusIMM Global Mining Leaders 2018 Perth WA
11–14 Sept 2018	ACPS 17th Conference & Exhibition 2018 Royal International Convention Centre Brisbane QLD www.acps.com.au/conference-2018/
19 Sept 2018	Queensland Miners Memorial Day
19 Sept 2018	Upper Hunter Economic Breakfast Muswellbrook RSL NSW
26-27 Sept 2018	NSW Resources Regulator Mechanical Engineering Safety Seminar 2018 Sofitel Wentworth Sydney NSW
22-25 Oct 2018	14th International Conference on Greenhouse Gas Control Technologies Melbourne Convention Centre VIC

29 Oct – 01 Nov 2018	5th International Mining and Resources Conference (IMARC) 2018
31 Oct – 01 Nov 2018	Informa - Longwall 2018 Crowne Plaza Hunter Valley NSW www.informa.com.au/longwall
07-08 Nov 2018	Electrical Engineering Safety Seminar Sofitel Wentworth Sydney NSW
28-30 Nov 2018	AusRock–The Fourth Australasian Ground Control in Mining Conference Sydney NSW
14 Dec 2018	2018 Coal Services Western Region First Aid Competition Moolarben Mines Rescue Station Ulan NSW
18-20 Feb 2018	University of Wollongong Coal2019 Conference

HVCCC Weekly Performance Report

Report for 06 – 12 August 2018

Source: Hunter Valley Coal Chain Co-ordinator (HVCCC)

Coal Delivery

- Planned rates were 124kt below target while Actual inbound performance was 148kt below the Declared Inbound Throughput (DIT). Total losses finished the week at 9.2% compared to the 2018 declared target of 8.3%.
- August month-to-date throughput is currently 5,128kt (156.0Mtpa) which is 396kt below the DIT, with total losses of 10.9%.

Shiploading - Port Waratah Only

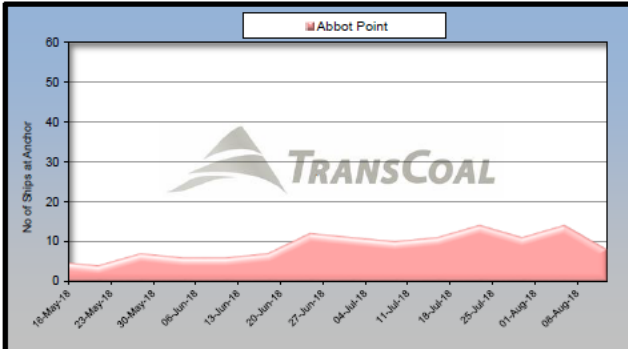
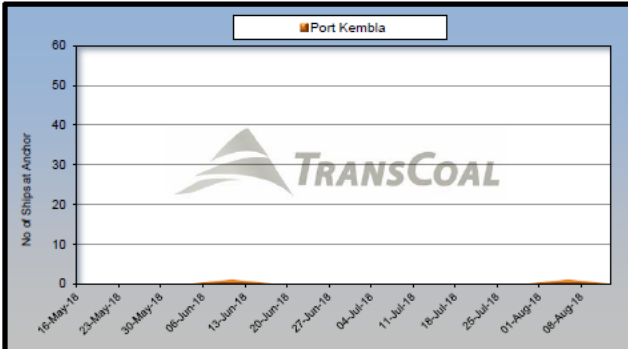
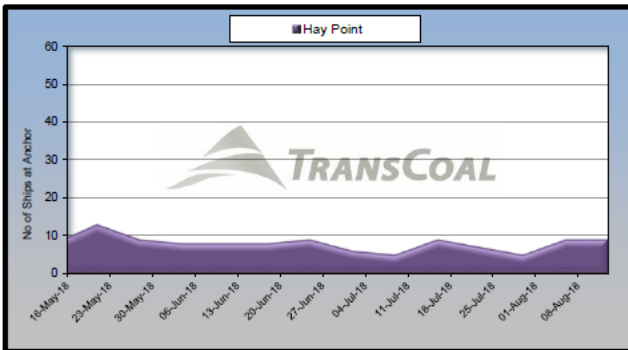
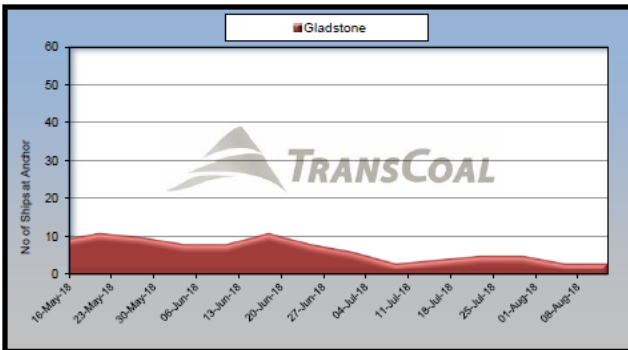
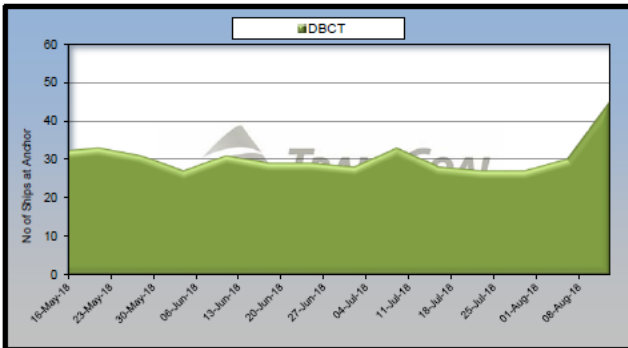
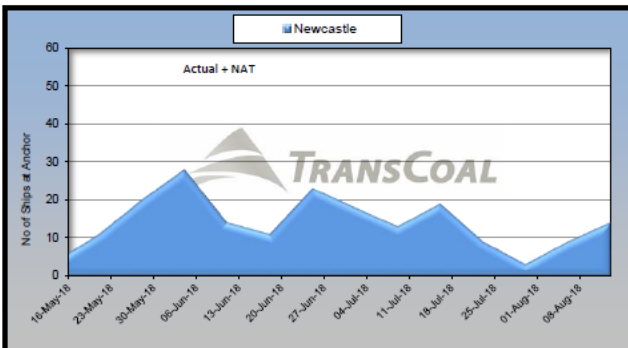
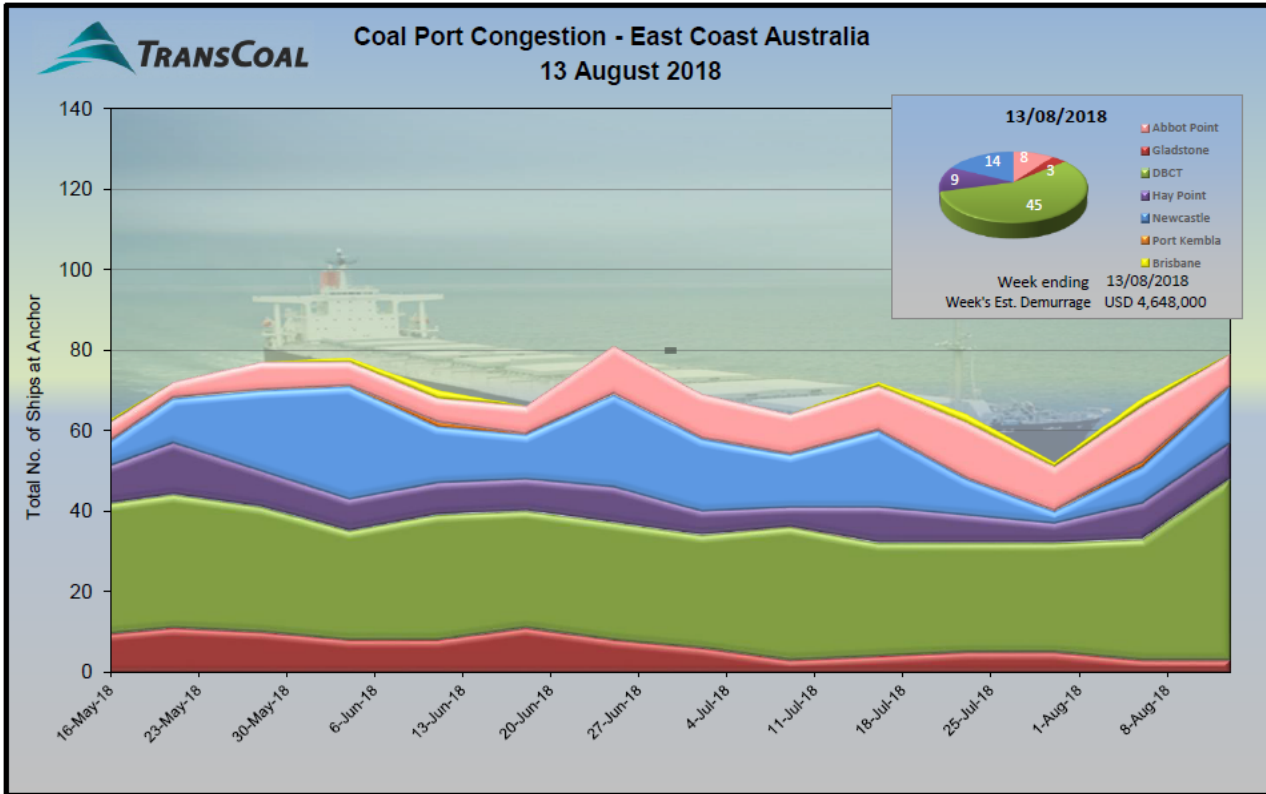
- Planned rates were 274kt below target while Actual outbound performance was 60kt below the Declared Outbound Throughput (DOT). August month-to-date shiploading is currently 3,282kt (99.8Mtpa), 651kt above the DOT.
- Port Waratah port stocks finished the week at 1,522kt, an increase of 473kt from the previous week.

Coal Chain Demand

- August nominations at Port Waratah are currently 8.4Mt.
- Based on terminal demand the Port Waratah vessel queue is estimated to be less than five at the end of the month.
- At Port Waratah, there were 14 vessels in the offshore queue at the end of the week.

TransCoal Port Congestion Graph - East Coast Australia

13 August 2018 - The overall vessel queue increased from 68 ships last week to 79 this week. Queensland's queue increased from 58 ships last week to 65 this week. New South Wales queue increased from 10 ships last week to 14 this week.



Braemar ACM Weekly Scope

14 August 2018

Vessel DWT	Australian Round Voyage			Far East Mediterranean/Continent			Mediterranean/Continent Far East		
	Last Week	This Week	Change	Last Week	This Week	Change	Last Week	This Week	Change
28,000	\$7,800	\$7,500	-\$300	\$5,250	\$5,000	-\$250			
32,000	\$8,250	\$8,000	-\$250	\$6,000	\$5,750	-\$250			
58,000	\$10,500	\$10,250	-\$250	\$6,750	\$6,750	\$0	\$19,500	\$20,500	\$1,000
74,000	\$8,428	\$8,323	-\$105	\$4,717	\$4,521	-\$196	\$19,660	\$18,785	-\$875
180,000	\$23,500	\$25,932	\$2,432	\$9,681	\$9,925	\$244	\$43,070	\$44,193	\$1,123

Note: NOTE: The trades 28K, 32K, 52K & 58K DWT sizes rates are assumed to be DOP South East Asia. All other sizes are assumed DOP North Asia.

Vessel DWT	1 year period	3 years period
28,000	8,750	8,750
52,000	13,000	11,500
74,000	9,800	10,000
180,000	19,000	21,000

CAPE SIZE

The Pacific market seems to be gathering upward momentum. Basis last fixed on C5, at high \$9.00/tonne, we can trace a circa \$0.30/tonne increase in freight or \$1,500/day gain on the TCE values for this route over the last 48 hrs. Operators and miners alike still require tonnage arriving in WA cancelling within August. Coupled with a decent volume of tender business from Australia and West Coast Canada from Korean and Japanese end users, we can expect to maintain the current volume of activity in the short term. There is no apparent shortage of tonnage in the Pacific and owners seem to be largely backing off to the excess of \$10.00/tonne for September Laycans. The question looms over how the market will react if this psychological barrier or level is broken. In the past it has proven difficult to sustain highlighted by only a solitary single day published at \$10.00/tonne thus far this year.

Likewise, the ballasting market toward Brazil has traded thinly for the last few days with charterers bid ideas reluctant to show in the excess \$25.00/tonne and only a few owners willing to consider below. The volume of tonnage able to make first half September dates within Brazil currently appears below 20 ships and it would seem the requirement from Brazilian shippers is yet to be satisfied with only really a few direct deals reported to have covered so far this month. With a notable reduction in ballast trade volume last week (circa 45% from the week prior) we could potentially see a push to cover 1st half September cargoes this week as the dates start to near.

PANAMAX

The Panamax market continued its downward trend this week in both basins. However, things might rebound with fresh cargoes and cape splits from last week for first week September cargoes. A Pacific round saw fixtures being concluded at mid to high \$9,000/day levels. Australia round voyages were reportedly done at \$10,000/day levels with good LME to KMX opening in North China. Indonesia to South China improved slightly at \$10,000/day with vessels ex South China. NoPac rates remained sluggish with very little cargoes in the market, fixing levels were reported at low \$10,000/day levels for LME types opening Japan to South Korea range and a slight premium for Kamsarmaxes. Rates in the Atlantic trended sideways with East Coast South American grain cargoes fixing around \$15,000/day plus \$500,000 ballast bonus for Kamsarmaxes. Short period interest saw owners fixing at \$11,000/day to \$12,000/day for LME's for about 4-6 Months.

HANDYSIZE, HANDYMAX & SUPRAMAX

In the Supramax market it is still relatively lively at the moment but hire rates are not picking up just yet.

An Indonesian round voyage is worth around mid \$10,000/day to \$11,000/day mark. Charterers are only willing to pay sub \$10,000/day for an Australian round voyage as well.

A Dolphin 56,000 dwt vessel is struggling to get done on short period at around the \$11,000/day mark, whereas Ultramaxs are valued easily along the high \$12,000/day to \$13,000/day benchmark .

The Pacific Handysize market in South East Asia to Australia started slow and soft once again. A relatively high number of spots to prompt vessels remain in the market, similar to last week, dragging down rates in the market. Most charterers are not in a rush to fix, happy to sit-back and wait for vessels to go prompt on dates and lower their rates subsequently.

Rates on prompt to spot 28,000 dwt ships are at around low to mid \$7,000/day whilst 32,000 dwt ships are around high \$7,000/day to \$8,000/day range.

On forward positions we see more resilience from owners to accept charterers rates. The high number of prompts to spot ships need to be flushed out first before any recovery is in sight.

Commodities (USD)						
Coal (Del. China)	Ther. Newc.6.3k	Change	Ther. Kalim. 5k	Change	Cok.Prem.Oz	Change
	\$118.50	-\$1.70	\$59.50	-\$0.75	\$184.00	\$18.50

Bunkers (USD)						
Port	380 IFO	Change	180IFO	Change	MDO	Change
Singapore	\$458.00	-\$3.00	\$466.00	-\$3.00	\$638.00	\$4.00
Hong Kong	\$483.50	\$2.00	\$491.00	\$2.00	\$667.00	\$7.50
Japan	\$483.50	\$2.00	\$491.50	\$2.00	\$590.00	\$0.00
Sth Korea	\$476.00	-\$4.00	\$496.00	-\$4.00	\$679.00	\$3.50

Bunkers at 14 Aug 2018 (Source: Universal Bunkering Pty Ltd).

Indices			
Date	13 Aug	06 Aug	Change
BHSI	543	542	1
BSI	1,040	1,030	10
BPI	1,339	1,420	-81
BCI 14	3,536	3,654	-118
BDI	1,709	1,773	-64

At 13 Aug 2018 (Source: Baltic Exchange)

DRY CARGO / BRAEMAR ACM Event Impact Analysis**Two major coal ports report falls in export volumes**

- The Australian port of Gladstone and the US port of Hampton Roads have both reported that they shipped lower volumes in July
- Gladstone eased down 4 per cent year on year in July to slightly under 5.8 million tonnes
- The fall was also 8 per cent down compared with June's volumes and down from 6.4 million tonnes in May
- Volumes to India however remained strong due to the expansion of the Indian steel industry
- Overall, Gladstone's annualised rate of 64.6 million tonnes is below last year's actual of 68.3 million tonnes
- Meanwhile in the US, Hampton Roads coal exports were down 4 per cent month on month to just over 3.4 million tonnes
- The volume was the lowest since January yet the cumulative exports for the first seven months of this year were 25.3 million tonnes, a four-year high.

Rail car shortage leads to problematic coal stockpiles at Indian ports

- A number of Indian ports have become overwhelmed with coal stockpiles as rail car availability and railroad capacity has been unable to keep pace with imports
 - Port stockpiles are now 20 million tonnes up over 15 per cent over the last two months
 - Vishakhapatnam, for example, requires 16 rakes of rail wagons per day (around 60 rail wagons in a rake) to distribute to the coal to customers but is only receiving 10 rakes per day
 - The problem is exacerbated by passenger trains taking priority on the railroad over goods trains
 - Paradip is holding 3 million tonnes of coal, almost double the storage capacity.
-