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**CEDA WA Annual Resource Overview**  
**13 November 2018**

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I would like to begin by acknowledging the traditional owners of this land, the Whadjuk people, and paying my respects to the Elders past and present.

Thank you to CEDA for convening this event.

Firstly, I will sketch out for you the major developments that Woodside is pursuing in WA as we bring new resources through our existing facilities on the Burrup Hub.

Then I'll explain the global context for these developments – why the timing is right to pursue them: and why the timing is tight.

Finally, I will discuss how these are things that Woodside cannot achieve alone. If WA is to capture the full benefits, it will take some effort from regulators, the bureaucracy, across industry and our supply chain.

So, what are the projects that Woodside is pursuing? And what will they contribute to WA?

In broad terms, we are creating an integrated regional LNG production center on the Burrup Peninsula by making major investments to upgrade and connect our existing facilities and bring new resources through them.

Our vision for the Burrup Hub involves the proposed development of some 20 to 25 trillion cubic feet of gross dry gas resources from Scarborough, Browse and Pluto, relying on our proven LNG facilities – Pluto LNG and the Karratha Gas Plant.

To put that in context, that's slightly more than the entire volume of gas processed through the North West Shelf since its startup in 1984.

We describe this vision as bold, but simple. Bold because of the sheer scale of it. Simple because we are using reliable facilities and because Woodside operates all the relevant resources and assets, which increases the certainty of project delivery.

But by simple, we do not mean it will be easy. It's going to take a lot of work – we have made a good start on it this year and the vision is beginning to take shape.

Since announcing in February that we had increased our stake in the Scarborough gas field, we have outlined our proposal to pipe these resources some 430km to shore and develop them through an expanded Pluto facility.

We are pleased that our Joint Venture partner in Scarborough, BHP, is aligned with us on bringing the gas to the Burrup.

Work is already underway on the Pluto expansion: we have in recent months engaged Bechtel to begin designing a second LNG train. And we are talking to potential customers and partners.

We are setting a cracking pace, – but there is a precedent. Pluto was one of the fastest developed LNG projects in the world, taking just seven years from discovery to startup in 2012. This was a testament to Woodside's project delivery capability and shows what can be achieved here in Western Australia.

At the same time as progressing our plans for Scarborough and Pluto, we are also hitting milestones on our path to pipe the Browse resources some 900km to the North West Shelf's Karratha Gas Plant.

The North West Shelf was the pioneer of the LNG industry in Australia, producing domestic gas for WA for more than 30 years, and delivering in excess of 5,000 LNG cargoes to customers around the world since first exports in 1989.

Now we propose to invest billions of dollars to at least double the lifespan of KGP and bring the Browse gas resources through it.

Those plans took a big step forward last week when the NWS Joint Venture signed preliminary agreements with the Browse Joint Venture and Chevron, the leaseholder of the Clio-Acme fields, for the processing of their respective offshore gas resources on the Burrup Peninsula.

Browse will be the anchor tenant, to be supplemented by other resources. The preliminary agreement with Chevron is a great example of what can be achieved when industry works together.

As you can see on the slide, Pluto and KGP are only a couple of kilometers apart. We propose to link them to facilitate more modern and agile commercial arrangements so gas can be processed at whichever facility is most appropriate.

For instance, gas from Clio-Acme is planned to be brought to the Burrup Hub through the Pluto offshore infrastructure, then be transported via the interconnector pipeline to be processed at KGP.

All of these developments on the Burrup Hub are of course subject to all necessary commercial agreements being reached and joint venture and regulatory approvals being obtained.

Our plans for the Burrup Hub will ensure that Karratha and surrounding communities continue to thrive for decades to come.

This matters to Woodside because our company has grown up with Karratha, celebrating milestones along the way. We hope we have a few more to celebrate in the years ahead and intend to work respectfully with the community of Karratha and with the traditional custodians of the Murujuga as we progress our growth plans.

We recognize that those plans hinge on Karratha being an attractive place to live. I've loved the years I've lived there and in recent times we have seen fantastic additions to the town's amenities, including the Leisureplex, the Red Earth Arts Precinct, the GP Super clinic and St John's Ambulance depot to name a few.

In a sign of our commitment to Karratha, earlier this year Woodside launched a jobs portal to recruit locals when positions become available. We've had fantastic engagement with the community and with other employers who can also connect with jobseekers via the portal. And it's great to see the state government and industry work together to maximise employment opportunities through the LNG Jobs taskforce.

When we say that our Burrup Hub development is all about bringing new resources through our existing facilities, it may sound like it's just business as usual. It's true that we are building on our strengths, but in reality, we are also pursuing new and different ways of doing this. Let me give a few examples:

- Firstly, from next year, we will begin offering domestic LNG via a new truckloading facility at the Pluto LNG plant. This extends a “virtual pipeline” to those who have not had the benefits of pipeline gas, providing an alternative to diesel in remote mine sites and communities in the state’s north.
- Secondly, in tandem, we are putting in place the bunkering infrastructure to allow vessels operating from northern WA to convert to LNG fueling to comply with tighter global restrictions from 2020 on the Sulphur content of fuel. Supplying LNG as a clean fuel for international shipping is a huge opportunity for WA and I’ll have a bit more to say later about how we have worked across the resources industries to capture that opportunity.
- Thirdly, we are exploring the potential for the production of hydrogen from natural gas – something that is of great interest to our Japanese and South Korean customers.
- Fourthly, I’ll mention the state-of-the-art Mercury recovery facility in Karratha that Woodside has worked on with Contract Resources and Econ Industries. This not only supports local employment and industry but also eliminates a 12,000 km journey through 10 different countries to dispose of the mercury that must be removed from natural gas in order to produce LNG and domestic gas.

So while our vision for the Burrup Hub hinges on processing Scarborough and Browse resources through the Pluto LNG Plant and KGP, we are also pursuing a range of adjacent opportunities.

What does this all mean for WA? It means economic stimulus across our supply chain in Perth and Karratha. It means jobs for thousands of West Australians as we spend more than \$30 billion building new infrastructure and extending the lives of our facilities. It means those facilities will continue producing gas for another 30 years and beyond, supplying a reliable, low-emissions energy source to customers around the world and in WA.

We know there will be demand for the gas that is produced.

A global LNG supply gap is now expected from the early 2020s and that date continues to be revised forward. Indeed, we are already seeing seasonal signs of the tightness that is to come. We saw it in the surging demand from China during the last northern winter and in the Japanese heatwave in July-August.

The price spikes in those periods serve as a timely signpost that the market has shifted. This was supposed to be a period of relatively weak demand, but supply is already a lot tighter than anticipated – and continues to tighten.

These market dynamics have triggered a race to sanction new LNG projects, in the USA, Canada, Russia, Qatar and Mozambique.

The timing is right for us to pursue these developments on the Burrup Hub – but the timing is tight. Early movers will be best placed to secure market advantage.

Projects that can contain costs by bringing new resources through existing and proven facilities will have a head start. That's what we're trying to do on the Burrup Hub, building on our strengths to capture an advantage in a very competitive global market. And that's why we have set ambitious timelines, so we can deliver LNG right when it is needed.

The opportunity is there, but we cannot do this alone.

It's timely now to consider whether the regulators and government agencies that will influence the timing and execution of our plans are adequately resourced to manage the workload of reviews and approvals within the timeframe that will be required.

We have already started submitting approvals and we can tell you now: there will be a lot more to come. We understand government plays a vital role in overseeing resource development on behalf of the people. We know the state government grasps the significance and pace of what we are proposing and understands the potential benefits for WA and its people – and we look forward to working with appropriate authorities on timely delivery of those plans.

We cannot do this alone – we need buy-in from a whole range of stakeholders.

And that includes other industry players.

As an industry, we need to overcome our tendency to retreat to our own strongholds, and learn to pull together to achieve outcomes. We need to be open to more sophisticated arrangements with other resource owners, contractors and suppliers. The concept of the Burrup Hub is built on the opportunities offered by more agile commercial arrangements, offering access to other resource owners.

We are not the first to do this. In the North Sea of the United Kingdom and in the Gulf of Mexico, operators, contractors and service firms are developing new business models as a way to lower costs and keep the local industry moving forward.

Western Australia is facing stiff global competition in the race to sanction new projects. If we don't find ways of working together across industry, we will miss out. This may mean accessing each other's infrastructure for a negotiated toll or looking for other opportunities to collectively enhance efficient, reliable and safe operations.

I mentioned earlier the opportunity that the global push for cleaner marine fuels presents for WA. It's an excellent example of how we can work together across the resources industries.

In preparation for the International Maritime Organisation's tighter restrictions on the Sulphur content of marine fuels, shipping companies are now assessing switching to a cleaner fuel – we think the best option is LNG. Over the past two years, we have worked with key industry players – including FMG - through the Green Corridor Joint Industry Partnership to finalise the design and accreditation of commercially viable LNG-fuelled bulk carriers.

There is the opportunity for WA to be a world leader on this, but it is going to require collaboration across the resources and shipping industries. The government could also consider regulatory measures that would support the switch to LNG fueling, with environmental and economic benefits.

I've covered a lot of ground in my remarks, but if there's one thing you take from it, I hope it's this:

We are on the cusp here in WA of a major opportunity to deliver extra LNG right when the world needs it, while delivering significant benefits for this state and the nation. Woodside has a plan to realise this opportunity. We are already making good progress, but we can't get there on our own. We need to work with others in our industry, across the resources sector and within government and the community to unlock the value of these resources.

ENDS.