## **BHP**

## **PHIC Community Industry Forum**

May 2020 Nilson Davila



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#### **Overview**

- Potential for licence amendment beyond 290Mtpa
- Why sustainable growth is important
- Shared responsibility to improve air quality
  - Current controls
- Building on these controls for future improvement
  - Wind fence
  - Trialling vegetation barrier
- Next steps
- Questions



### Potential for licence amendment beyond 290Mtpa

- We are engaging stakeholders on the potential future options to increase our licensed export capacity beyond 290Mtpa.
- While we are increasing sustainable production towards our current licence of 290Mtpa (100 per cent basis), we anticipate the implementation of current improvement projects will deliver further growth opportunities.
- Longer term the licence amendment allows BHP to undertake future port upgrades in response to positive market scenarios.
- The licence amendment highlights the positive future BHP sees for iron ore which will support our economy and local community.





### Why sustainable growth is important



# In FY19 we invested A\$621 million regionally in the Pilbara

8,500

People employed across our Western Australian Iron Ore business



## A\$115 million

Procurement of good and services from locally owned and operated business in Port Hedland and Newman



# A\$277 million

in contributions towards community infrastructure and social investment programs



#### A\$13

#### million

Approved spend across 572 opportunities for small, local Pilbara businesses





## Shared responsibility to improve air quality

- We acknowledge we have a shared responsibility to improve air quality and minimise dust from our operations across the Pilbara and at Port.
- We've worked collaboratively with industry, government and community for many years to manage dust in the Pilbara.
- We've spent over \$400 million and significantly reduced dust emissions over the past decade.
- We respect that our communities want to live in an environment that is not only safe, but also provides them with enhanced public amenity.

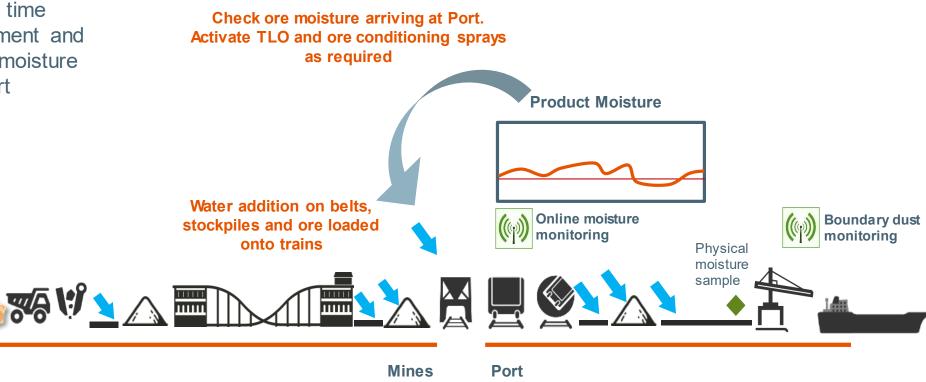


**BHP Port Operation** 



#### From pit to port leading controls in place

 Accurate, integrated data delivering real time visibility, alignment and control of ore moisture from Pit to Port





May 2020 7

### Building on these controls for further improvement

#### **High Risk Conditions**

# High wind speeds from the West (~10% of year) can cause dust lift-off from Finucane Is ore stockpiles. W LOCATION OF YEAR PROCESS OF THE PROPERTY FOR THE PRO

#### **New Controls**



#### Location



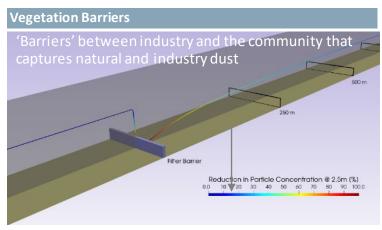


This licence

Oct

Mar months







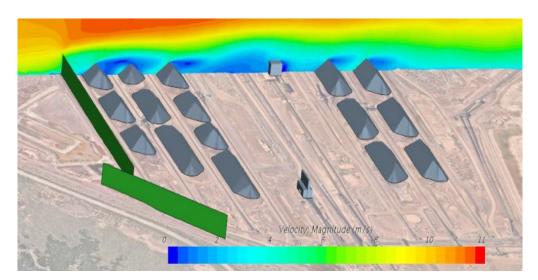


#### Wind fences to help reduce stockpile lift off

- Wind fences were selected after assessing 14 alternative ways to reduce the potential for stockpile lift-off.
- The fences work as wind breaks to reduce wind speed, and have been shown to significantly reduce stockpile dust lift off.
- Wind fences are used at other ports across the world and those proposed for Port Hedland will be designed to withstand the Pilbara region's high intensity cyclone ratings.



What it could potential look like



How it works



#### **Trialling vegetation barriers**

- BHP has partnered with Greening Australia, Curtin University and local Pilbara nurseries to research ways of using native plants to capture natural and industry dust.
- As the plants grow they provide a barrier between industry and the community.
- Vegetation barriers could be strategically used across the West End and adjacent to iron ore operations to further mitigate airborne dust.



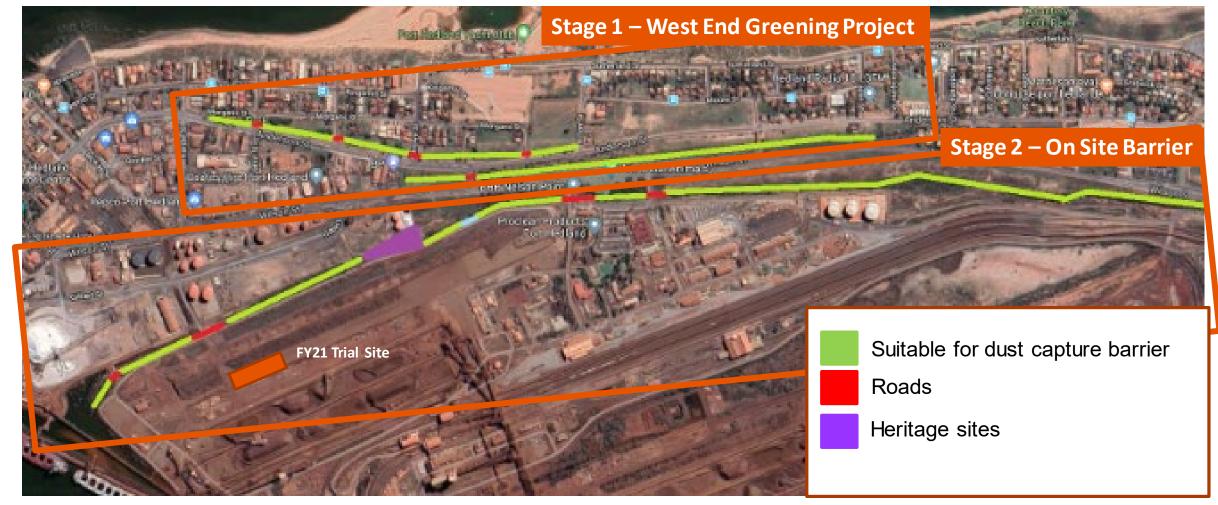
**Current view along Wilson Street** 



Indicative illustration along Wilson Street



#### Barriers that capture natural and industry dust





# A comprehensive package of dust and noise controls will be deployed

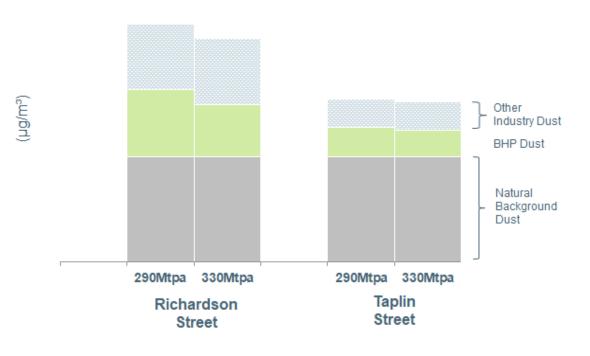
A comprehensive dust and noise package is deployed as we grow volumes



<sup>1</sup> BHP Regulatory Model

## BHP will reduce its contribution to dust levels in the West End







#### **Next steps**

We will continue to speak with a number of stakeholders to seek their feedback on our proposed plans this includes:

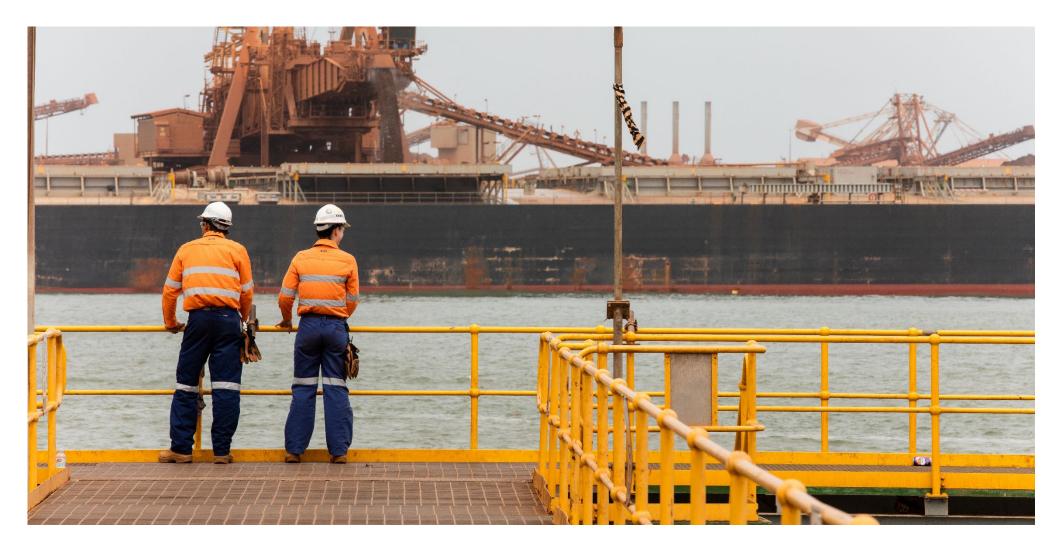
- State and Local Government
- Government agencies
- Community
- Industry groups

Should a decision be made proceed with an application next steps will include:

- DWER will undertake a formal assessment of the application.
- This formal assessment will include a period of public comment and feedback on the licence amendment application.
- BHP continue to work with key stakeholders to ensure strong community support for vital projects that provide important economic activity.



## **Questions**





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