

Supporting Renewables in Mining

Energy and Mines Australia Summit

15 June 2021

Hon Bill Johnston MLA

**Western Australian Minister for Mines and Petroleum; Energy;
Corrective Services**

March 2019

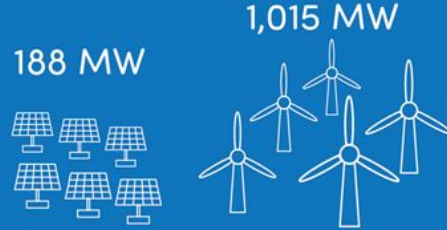
Large-scale renewables



+144%

March 2021

Large-scale renewables



Rooftop solar PV

1,043 MW



+51%

Rooftop solar PV

1,580 MW



Record share of SWIS supply*



Record share of SWIS supply*



Western Australia's energy sector is rapidly changing

Renewables offer low cost, low emissions energy... but also present challenges to the security, reliability and affordability of power supplies.

*estimated highest share of electricity demand supplied by renewables during a single trading interval

Energy Transformation Strategy

Enabling the transition to a distributed and low emissions electricity system

Our vision is to provide safe, secure, reliable, low-emission power to Western Australian households and businesses at the lowest sustainable cost, while allowing new technology to connect and give people more control over their electricity use.

Our objectives remain to:

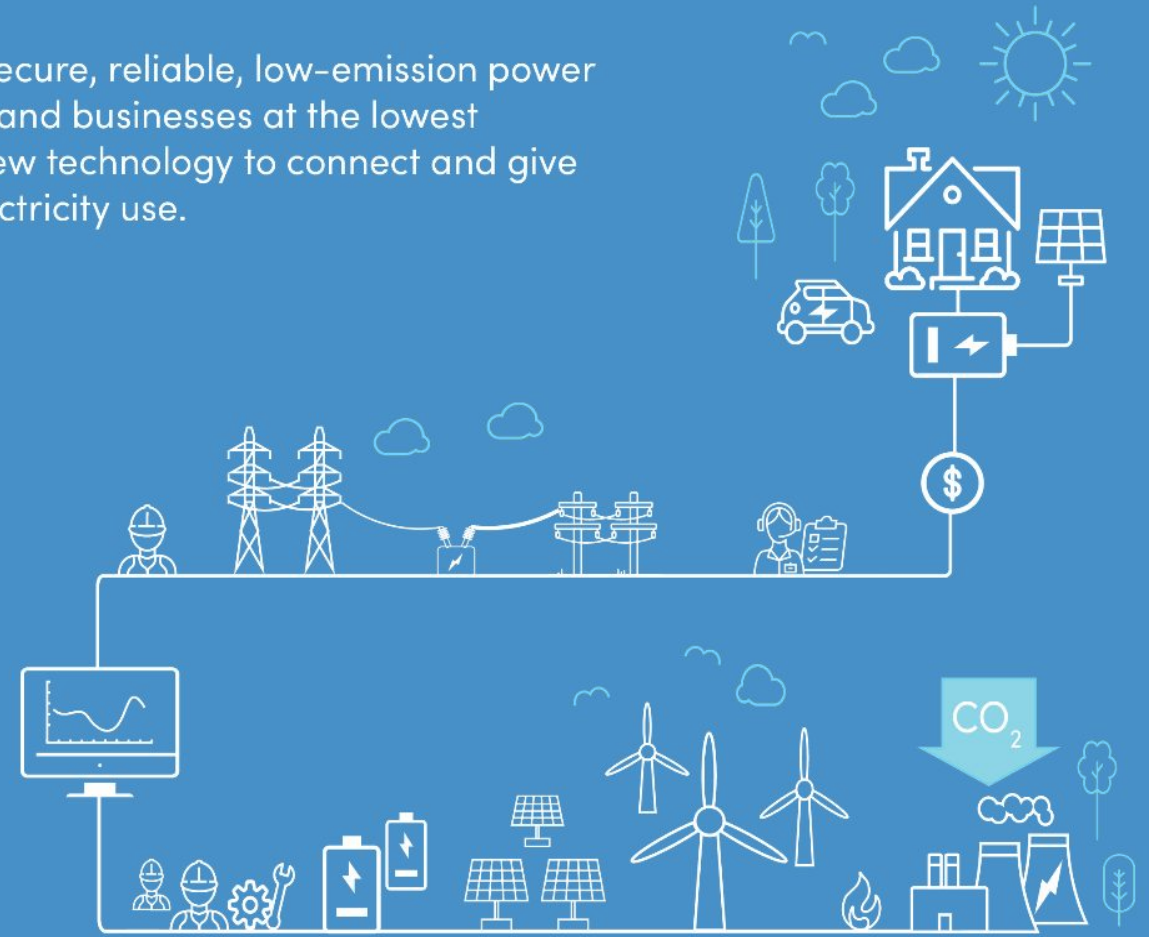
Maintain a secure and reliable electricity supply

Ensure affordable electricity for households and businesses

Reduce energy sector emissions

Transition affected workers in the Collie region

Promote local jobs and growth



Renewable energy in mining

Renewable energy technologies present exciting opportunities for mining companies to reduce energy costs, pollution and greenhouse emissions.

GOLD ROAD RESOURCES

187kW solar array
408kWh storage hub

GRUYERE GOLD MINE

4MW gas engine
13MW solar farm
4.4MWh battery

Western Australia is leading the way with several projects already completed or under construction.

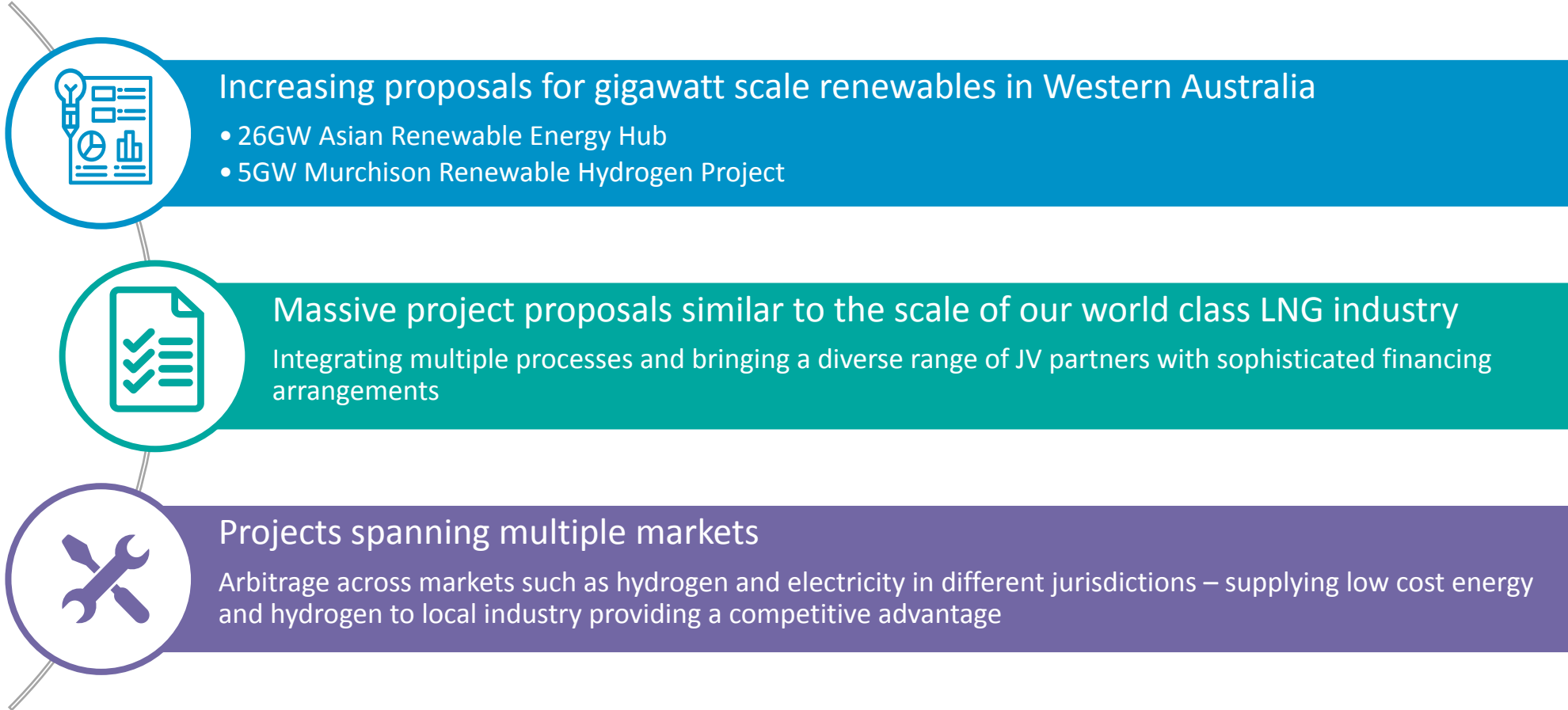
SANDFIRE DEGRUSSA MINE

11MW solar
4MW battery

AGNEW GOLD MINE

4MW solar
18MW wind
13MW battery

Larger scale renewables – a new end game



McGowan Government's support for renewables in mining

Energy Policy WA - Energy Industry Development Team

Minerals Research Institute of Western Australia's Net Zero Emission Mining Challenge

Clean Energy Future Fund

Renewable Hydrogen Strategy & Fund

Exploration Incentive Scheme – critical minerals

Future Battery Industry Strategy and Future Battery Industries Cooperative Research Centre in Perth

WA Jobs Plan

Further information:

Minister for Mines and Petroleum Bill Johnston: Minister.Johnston@dpc.wa.gov.au



Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**

www.dmirs.wa.gov.au



Government of **Western Australia**
Energy Policy WA

www.energy.wa.gov.au



Government of **Western Australia**
Department of **Jobs, Tourism, Science and Innovation**

www.jtsi.wa.gov.au