

# AEMO Generator Registration and Connection in the NEM

Generators in a Distribution Network

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# Safety Share

**1** **STAY in the vehicle.**  
Call 000 immediately.



**2** **If there's an immediate danger, like fire, and evacuation is ABSOLUTELY necessary,** access your escape route and check for fallen powerlines.



**3** Exit the vehicle by jumping – make sure to land with both feet together.



**4** When jumping, **don't touch the vehicle and the ground at the same time.**



**5** Once you've landed with both feet together (be careful not to stumble or fall), jump or shuffle with your feet together away from the vehicle.



**6** Move in this way until you are at least 10 metres away from the vehicle. **DO NOT go back.**



**We recommend that operators of machinery practise this jump / shuffle technique on a regular basis.**

# About Energy Queensland

more than **7,000**  
employees across QLD



>**\$24 Billion**  
electricity assets



Covering **1.7 Million km<sup>2</sup>**

**34**  
isolated systems

~**2.2 million**  
Connected customers



>**206,000km**  
OH and UG Network

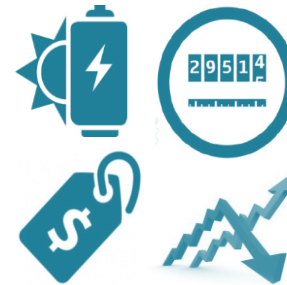


**4,920MW**  
South East  
Queensland  
peak demand

**2,637MW**  
Regional  
Queensland  
peak demand

>**55,000GWh**  
Electricity delivered (DAPR 2018)

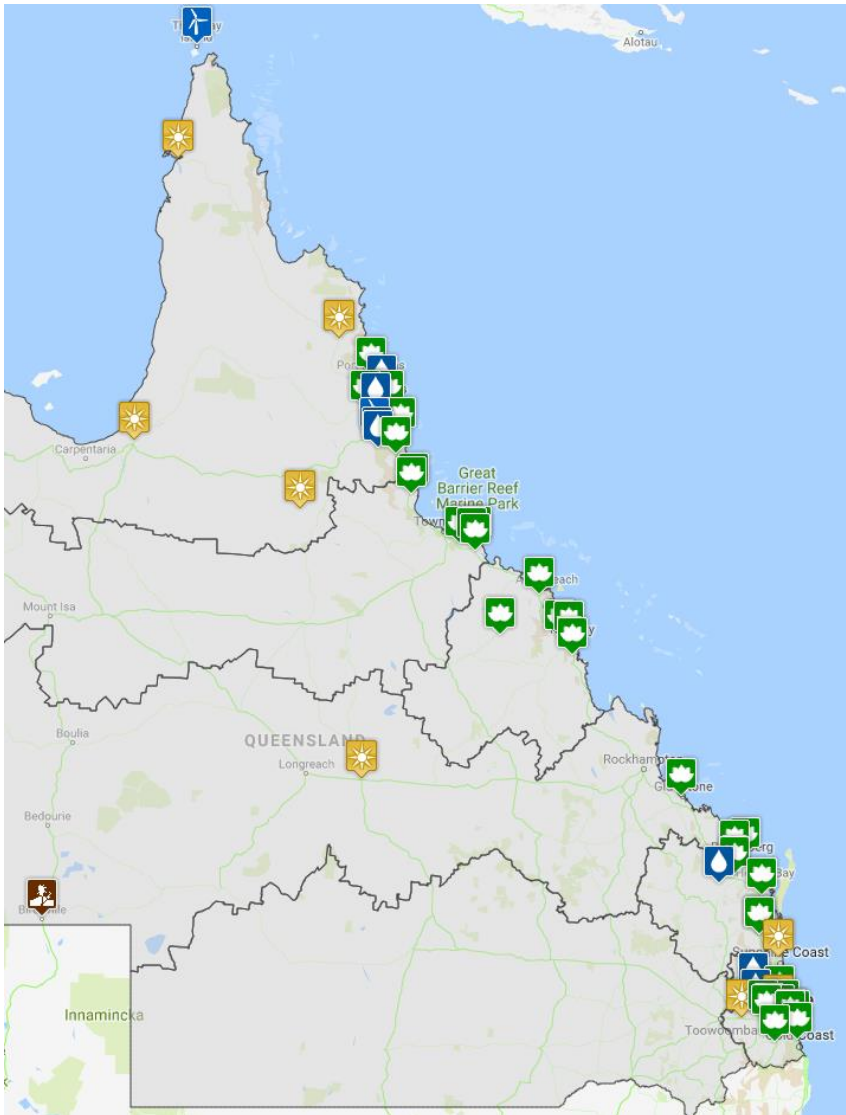
~**500,000**  
solar energy systems  
connected  
  
>**2,000MW**  
renewables connected







High levels of  
innovation

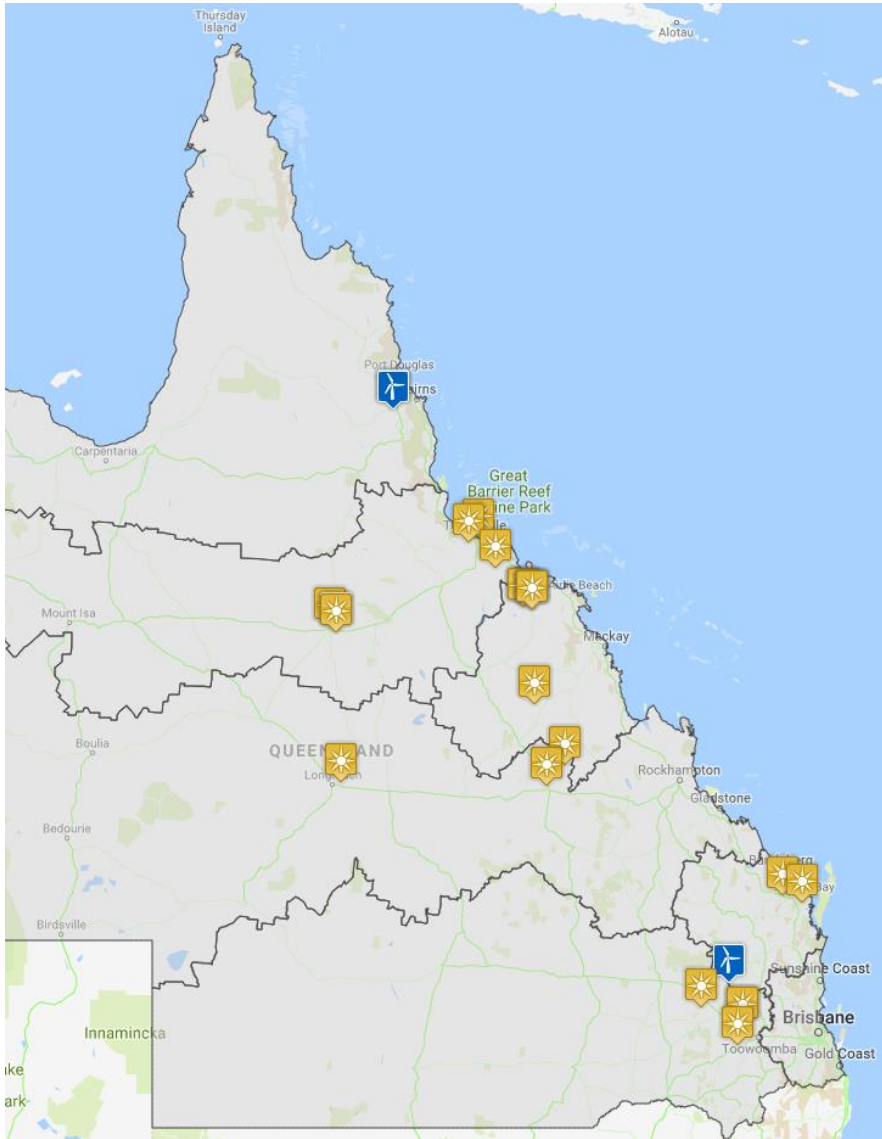
*The role of the **network** is to be the **bi-directional platform**, providing **security**, connectivity and access to markets, to **enable** our **customers, communities** and market participants, and a **renewable energy transition***





# Connected Large Scale Renewables



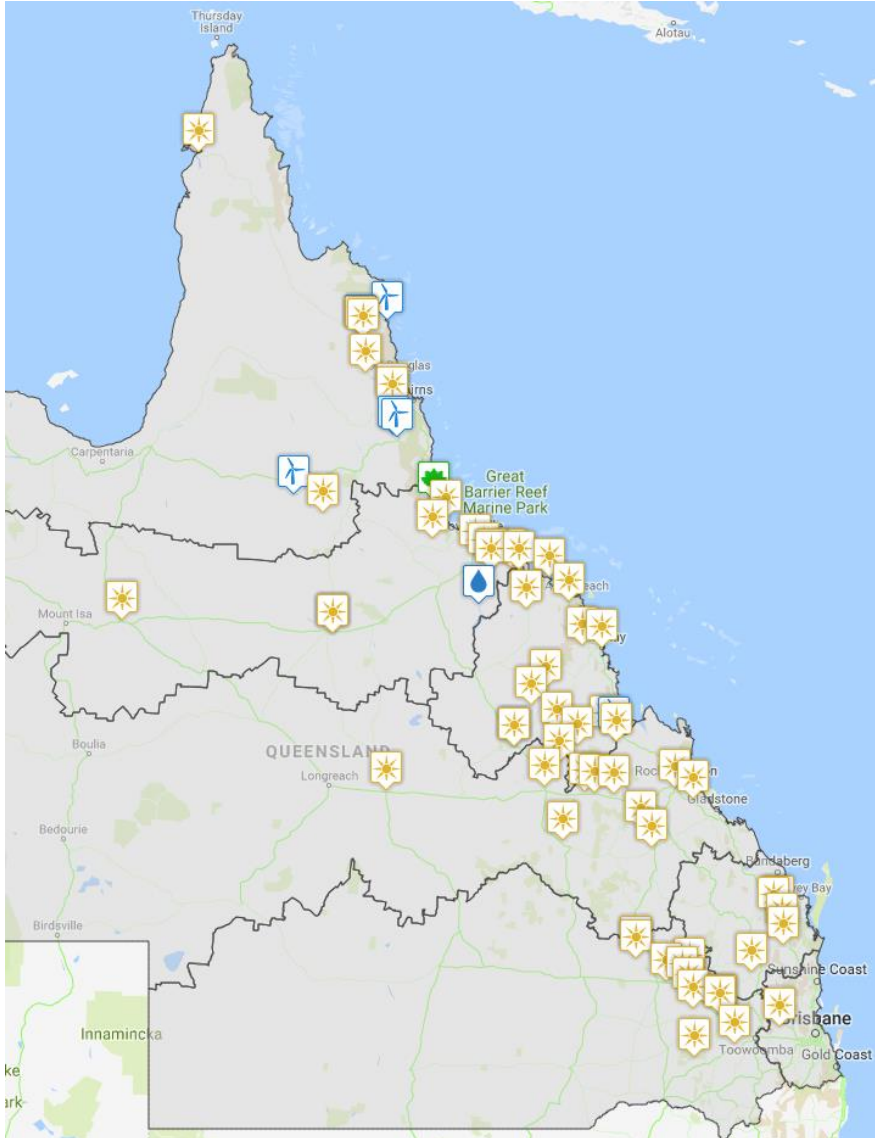
Fuel	Sites	Capacity (MW)
 Bioenergy	34	480
 Hydro	8	668
 Solar	8	112
 Wind	2	13
<b>Total</b>	<b>52</b>	<b>1273</b>





# Under Construction Large Scale Renewables



Fuel	Sites	Capacity (MW)
 Bioenergy	1	24
 Hydro	0	0
 Solar	20	1508
 Wind	3	677
<b>Total</b>	<b>24</b>	<b>2209</b>
<b>DNSP</b>	<b>12</b>	<b>626</b>

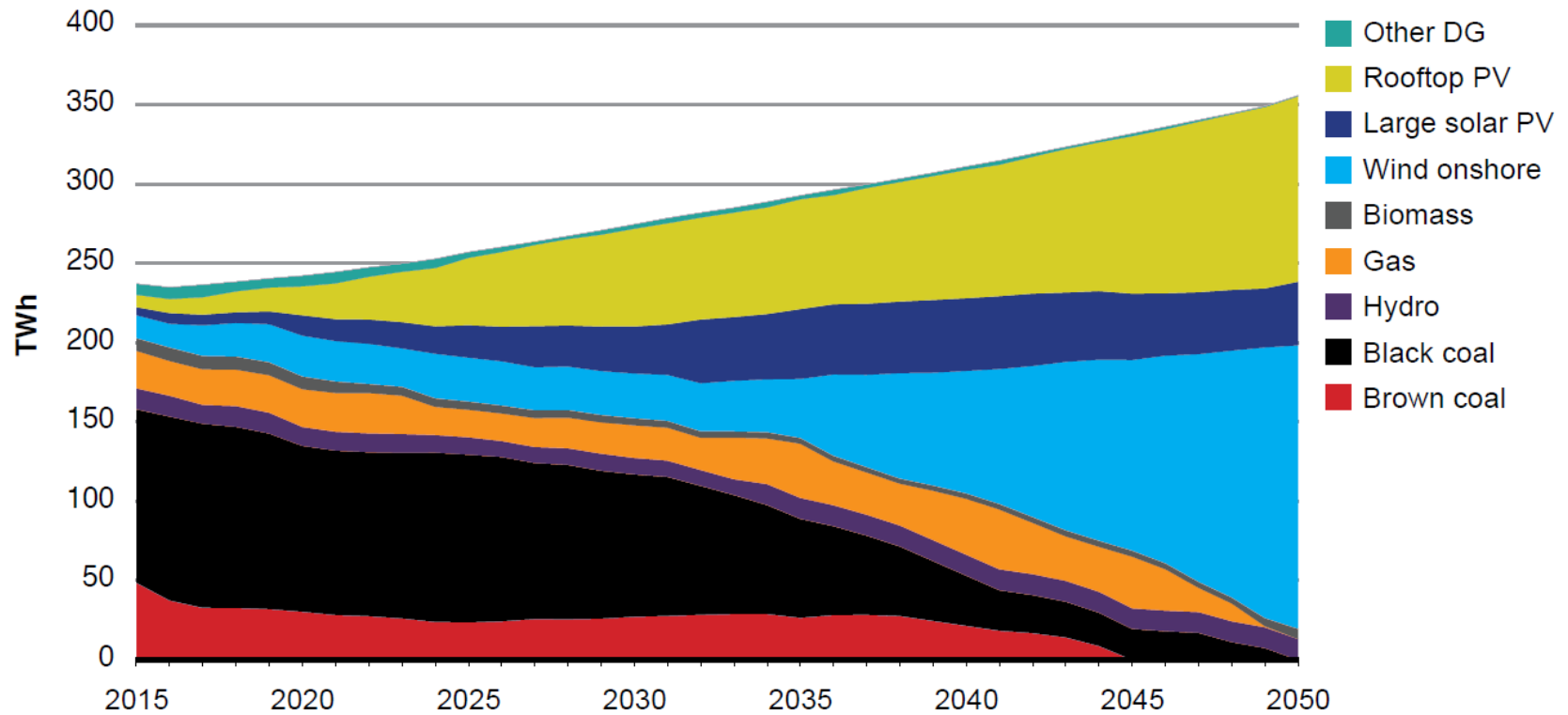
# Proposed Large Scale Renewables (Public)



Fuel	Sites	Capacity (MW)
 Bioenergy	1	115
 Hydro	2	300
 Solar	58	11122
 Wind	7	1659
<b>Total</b>	<b>68</b>	<b>13196</b>

# The Challenge

**Figure ii:** Plausible projection of Australia's changing energy mix to 2050





# So What? What does it mean for me?



## Quality is critical:

Quality, consistent, RPEQ endorsed connection package is critical for efficient Due Diligence, R1 and Commissioning.



## Rework is expensive:

Rework often “resets” timing, can lose access to resources experienced with your project results in lost time and money.



## Be informed:

AEMO workshops, our websites, STNW1175 etc.



## Transforming our Network:

We are continuously improving our connections process;  
Goal is to be clearer, more efficient and more transparent.

**We need your feedback...**



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