



Chris Briggs, Technical Director

Business Renewables Centre - Australia

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Who we are...

Project partners









Funding partners



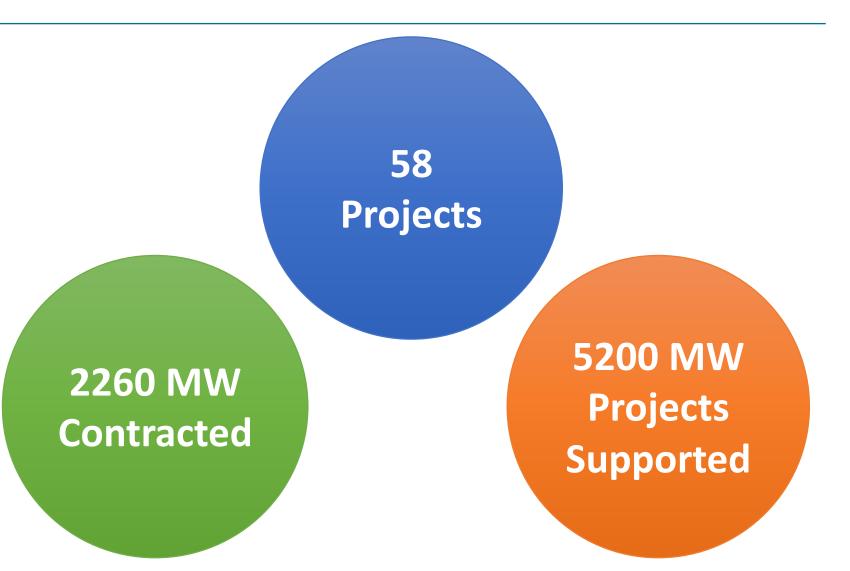






Corporate PPAs so far







Why a Renewable Energy PPA?

1. Sustainability



- Enhance brand
- Meet green targets
- Sustain business value

2. Hedge Value



 'Lock-in' acceptable electricity prices for portion load to support operations and planning

3. Cost Saving

?

- Use a renewable energy PPA to save money
- Often catalyst for considering PPA amidst high/rising prices

Strongest case where organisation has targets

- Emissions reductions from on-site options often have limits
- PPA's can achieve targets quickly

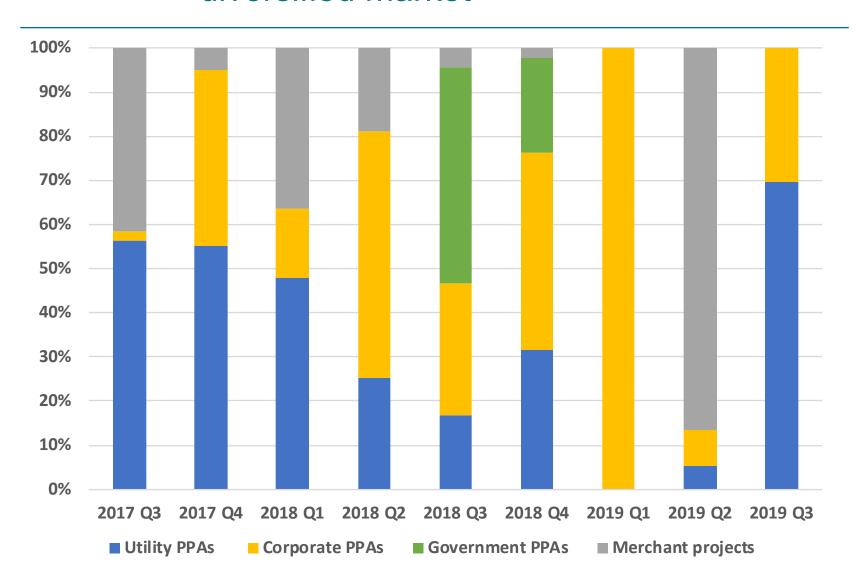
- Doing nothing leaves an organisation exposed to wholesale electricity market volatility
- Exposure to wholesale market risk can be balanced

- Expect lots of scenario modelling to test outcomes
- Energy bill savings can be achieved - but cost reduction for long-term PPA cannot be 'proven'
- Always an important part of discussion but risky to make sole or primary rationale

Key point

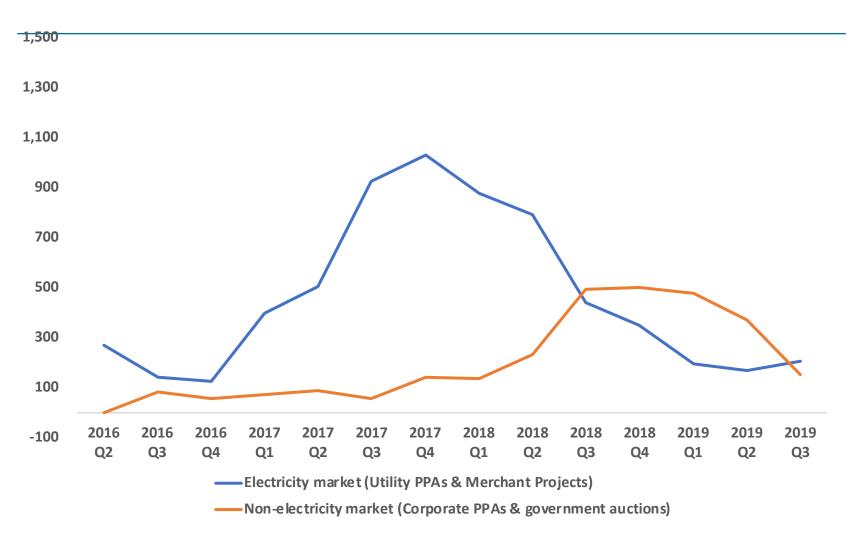
Corporate PPAs are an important segment in diversified market





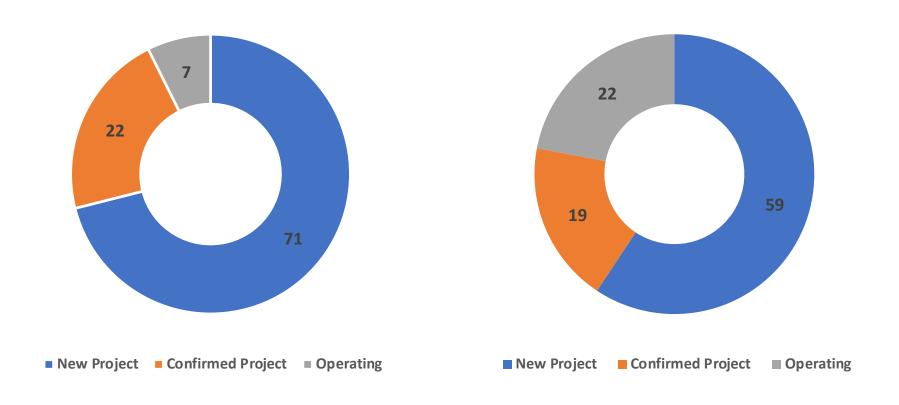
Corporate PPAs & Energy Transition





Mostly supporting new deals



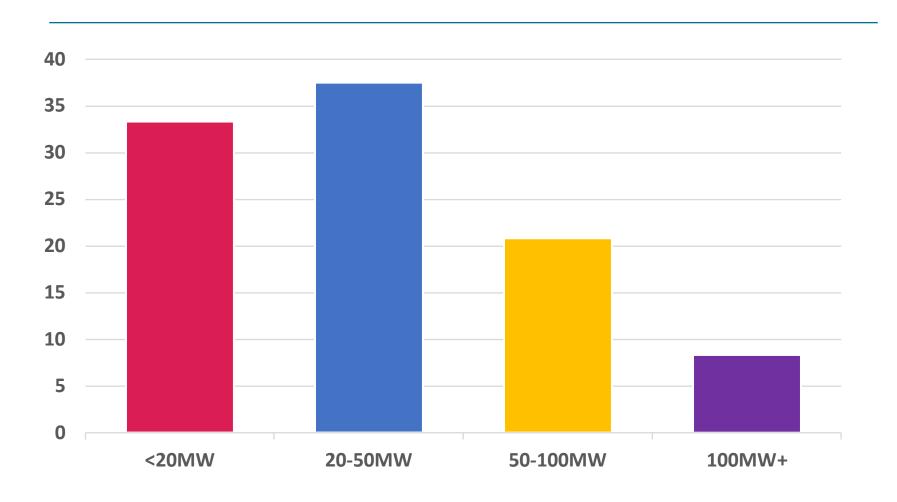


Capacity contracted through PPAs (%, MW)

Number of PPAs (%)

Growing diversity in deal size

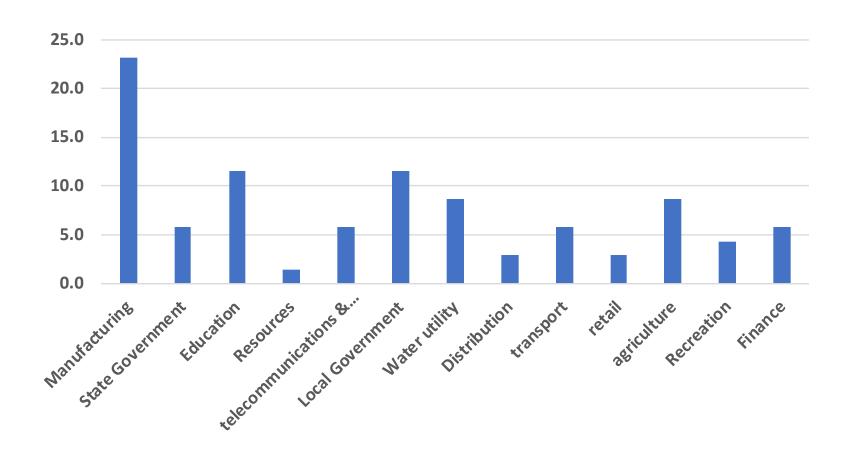




Average size (44 MW) and Median (30 MW) falling as smaller Retail PPAs become more common

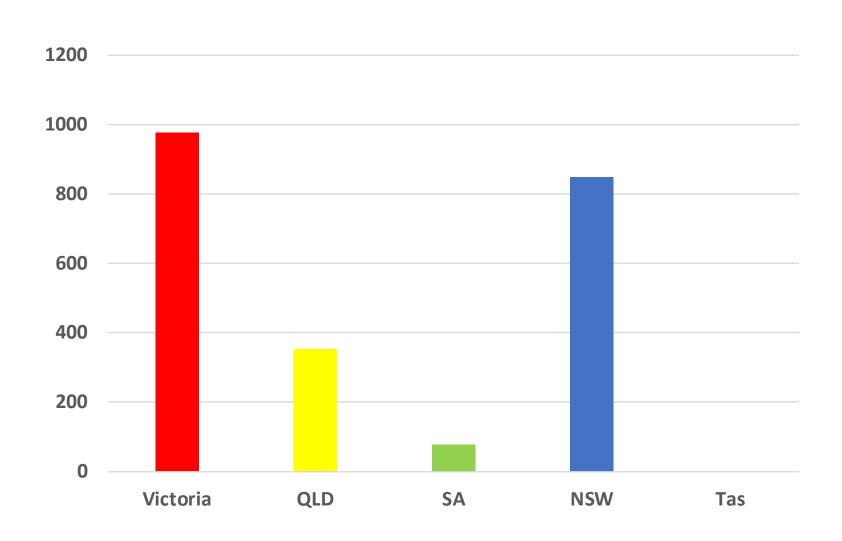
Where are the Deals?





Victoria is the leading State





Three key trends in the Corporate PPA sector

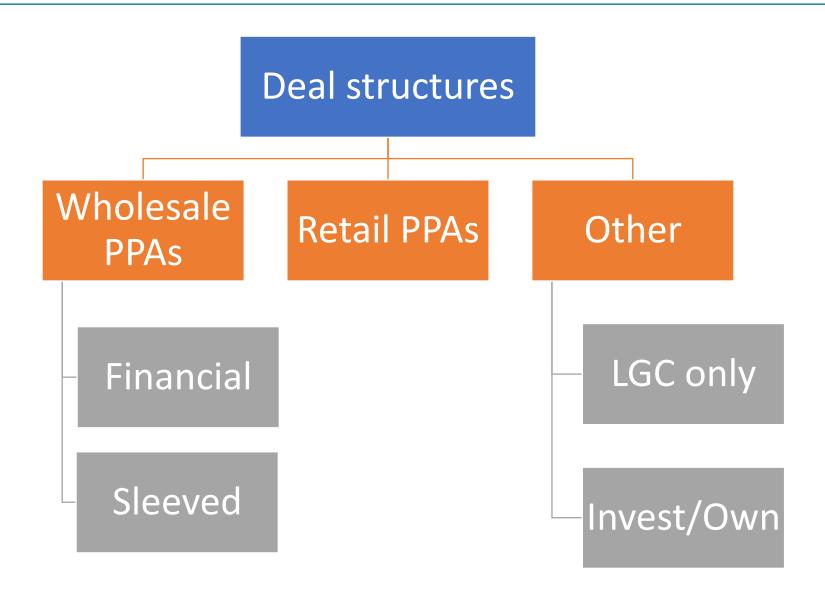


- The large deals are mostly Wholesale PPAs
- The Australian Market is rapidly diversifying into Retail PPAs & mid-sized buyers
- Market Consolidation



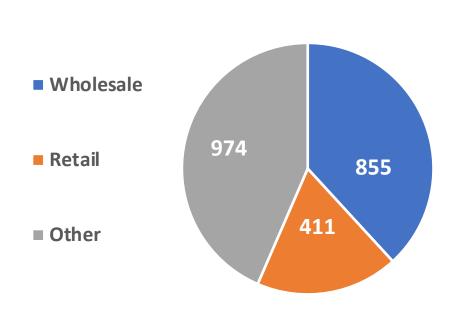
Types of deals





Most big deals are Wholesale PPAs



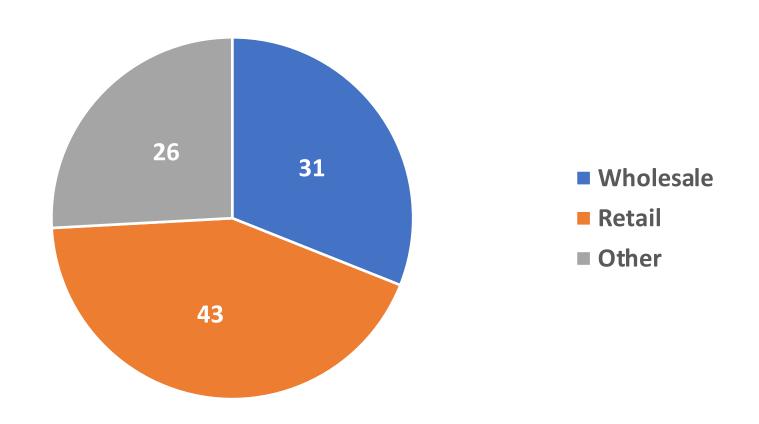


 Big users likely to continue to prefer wholesale PPAs

- Greater competition
- Price transparency
- Simplicity and flexibility (no interaction with retail agreements)
- In-house expertise

Growth in Retail PPAs and mid-scale buyers

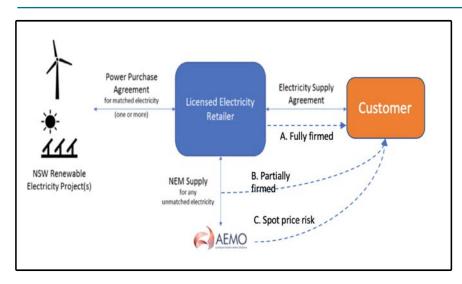


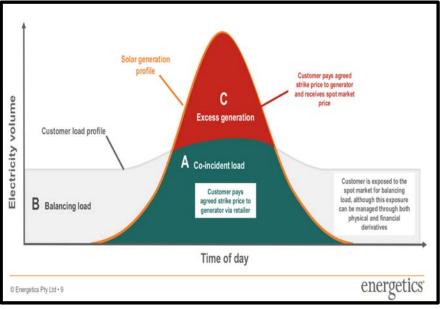


Market Share, Number of PPAs by Deal Type (%)

Retail PPAs







Different models emerging

Term:

- more diversity
- short-term PPAs (3, 5 & 7 yrs)
- longer-term renewable energy supply agreement

Size

some offers down to 200,000
MWh – but in general 5 GWh+

New projects:

- retailer on-sells
- retailer aggregates buyers for deal with new projects
- Sleeving

Pricing:

- wholesale pass-through
- partial & full firming

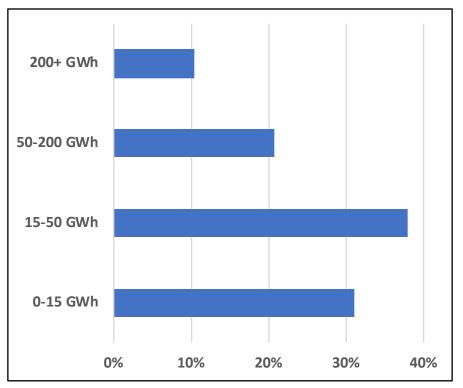
Market Consolidation

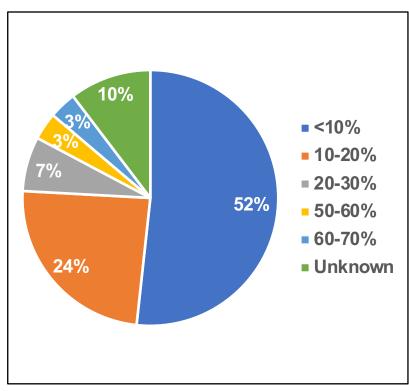


- Slowdown in agreements in first half
 - General factors e.g. industry slow-down
 - Less experienced buyers entering market
 - Buyers, retailers and developers refining models in a very challenging environment
- High levels of underlying activity and deals (e.g. Energetics estimates Corporate PPA pipeline at 500 MW)

BRC-A Members





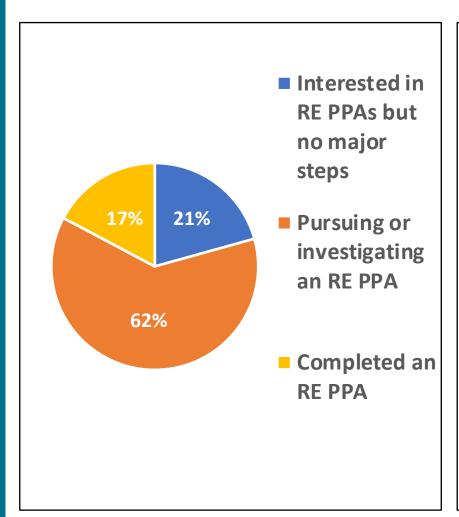


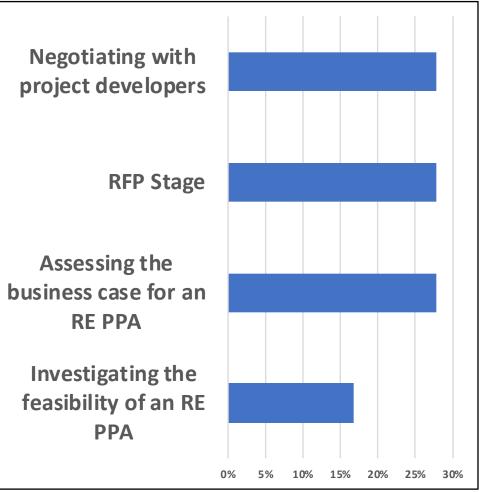
Load size of buyer members

Current percentage of renewables

High levels of buyer interest in PPAs

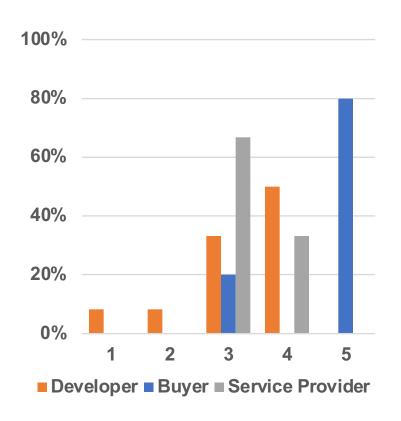


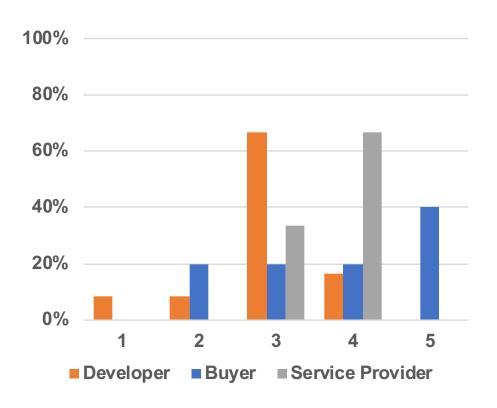




But parties find PPAs difficult





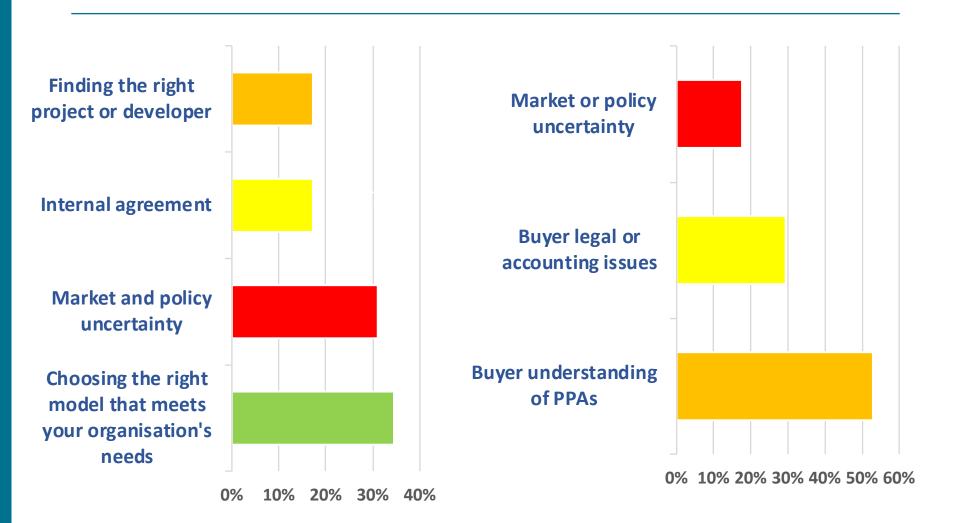


On a scale of 1 -5, how hard was it to do a PPA?

On a scale of 1 -5, how would you rate the transaction costs?

Key Barriers



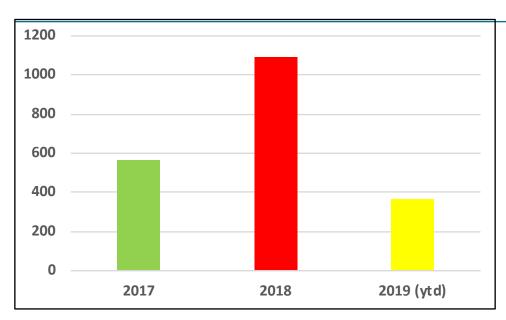


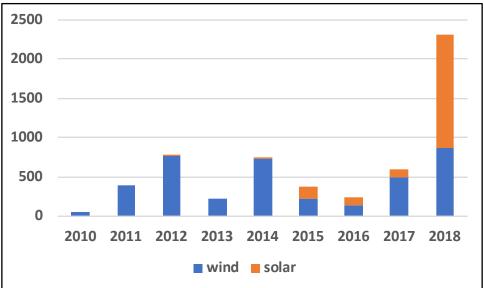
Buyers

Developers

Can RE PPAs sustain the sector?







- Range of 370MW 1100MW
- Challenging to forecast
 - big data gaps
 - Many deal processes are negotiated privately through brokers
- Corporate PPAs put a floor under RE demand
 - at a minimum avoid slumps of the 'bad years'
 - comparable to 'good years' pre-2018 boom

