A Pastoralist’s View

Cr Lindsay Godfrey

Mayor – Paroo Shire Council

Photo credit: Old Tree by H Jones
2019 #ParooPride Photography Competition Participant
CPI Index

Source: TradingEconomics.com
Paroo Shire – Population Data

![Population Data Graph](image-url)
Australian Wool Prices vs Australian CPI

Source: AWEX, Reserve Bank of Australia, AWC, Poimena Analysis
Data to 27th April 2018
EMI is on the 2017/18 basis
Fig. 1 Rural Debt & Net Value Farm Production, Australia 1969 - 2015

Compiled from ABARES Australian Commodity statistics 2015 and earlier editions, Debt from RBA statistics Table Dg online.
Briefing for South Western Mayors

Prof Simon Bartlett, Australian Chair of Transmission, 6th Feb 2017

The Powerlink Australian Chair in Electricity Transmission, Professor Bartlett is responsible for providing leadership to the Australian academic sector that supports the Australian Power Industry. The role includes establishing and maintaining strong links with the power industry in Australia and internationally to ensure that the educational and research services provided by the University are aligned with and meet the evolving needs of the power industry.

Professor Simon Bartlett AM was educated in Engineering and Science at the University of Queensland and is a Fellow of the Australian Academy of Technological Sciences and Engineering, Fellow of the Institution of Engineers Australia and Fellow of the Australian Institute of Company Directors. He was awarded the EET Sir Lionel Hooke Award in 2007, Queensland Electrical Engineer of the Year in 2008 and Australian Professional Engineer of the Year in 2009. His outstanding contribution to the Australian Power Industry and the Engineering Profession was also recognised in 2012 through the award of Member of the Order of Australia.

Simon has forty years’ experience in the Power industry in electricity transmission and power generation in Australia, Europe and Canada. His recent industry roles have included Chief Operating Officer and Acting Chief Executive of Powerlink Queensland, Director of Electraset SA, Chairman of the Australian Power Institute, Deputy Chairman of Cigre Australia, and member of the AERU Reliability Panel and EMR Operating Committee.

In late 2012, Simon retired from his operating roles in the Power Industry to take up a full time position as Professor at the University of Queensland as the AERU/Powerlink Chair in Electricity Transmission.
SOLUTION is to MESH the NEM

- form secure, meshed NEM grid
- half the distance & half the losses
- avoid NEM congestion and high prices
- enable Australia’s best renewables
- strategic national infrastructure

Preliminary Costs and Benefits

<table>
<thead>
<tr>
<th>Estimated Cost of ARCMesh</th>
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<tbody>
<tr>
<td>Qld to SA HVDC transmission line</td>
<td>$0.9 billion</td>
</tr>
<tr>
<td>Terminal stations in SA and Qld</td>
<td>$0.5 billion</td>
</tr>
<tr>
<td>Central Australia Renewables Hub (later)</td>
<td>$0.3 billion</td>
</tr>
<tr>
<td><strong>Total initial ARCMesh Investment</strong></td>
<td><strong>$1.4 billion</strong></td>
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<table>
<thead>
<tr>
<th>Estimated Benefits of ARCMesh</th>
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<tr>
<td>Rectify SA Power System Security Issues</td>
<td>$0.9 billion</td>
</tr>
<tr>
<td>Qld and NEM Reliability Benefits</td>
<td>$0.4 billion</td>
</tr>
<tr>
<td>Improve NEM Efficiency</td>
<td>$0.7 billion</td>
</tr>
<tr>
<td>Facilitate Australia’s best renewables</td>
<td>$0.5 billion</td>
</tr>
<tr>
<td><strong>Total Benefits</strong></td>
<td><strong>$2.6 billion</strong></td>
</tr>
<tr>
<td><strong>Net Benefits (after all costs)</strong></td>
<td><strong>$0.5 billion</strong></td>
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“Chainette” line innovation
- ~ 60% Cost
- Rapid construction
- Lower impacts
- Examples worldwide
short-term, mid-term and long-term solutions

- Central Australia PV hubs 2025
- Use best coal & gas stations
- ARCMesh by 2022
- Qld pumped storage 2030
- Further NEM strengthening
- Best renewables nationally
- Snowy 2030
- SA pumped storage 2030
- Short-term SA measures

Short term solutions to power system security and high pool prices in SA and Qld

Mid-term solutions that maximise utilisation of best coal and gas fired generation

Long-term solutions to develop best renewable resources and large scale energy storage

ARCMesh - Australian Renewable Connection Meshing the NEM
Leveraging international and national expertise and innovations

Contact Simon Bartlett mob 0411600584 email ARCMesh@mail.com
Burdekin/SunWater Map
Sheep Populations

Context - the problem?

- Dramatic decline in sheep numbers in regional and remote Queensland attributable to increasing prevalence of wild dogs
- Sheep numbers – lowest ever!*  

* ABS (2013)
* MLA (2017)

Jan Xanthopoulos - Principal, Local Government, Client Advisory (July 2018)
Economic Benefits of Cluster Fencing

SOUTH WEST NRM CLUSTER FENCING*

- This is an additional fencing project cover areas across the South West
- 69% of funding to be through landholders

PROJECTIONS

1,908 km of fencing
115 properties
15 clusters
1.89 M ha protected

$108-428 million NPV
$18 million regional spending
126 additional jobs in region

*South West Natural Resource Management Ltd. (2017)

Mark Girard - Managing Director, Client Advisory (July 2018)