Taking Control
Water and Energy
Almond Conference 2018

Presentation by

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Pullman Hotel Melbourne, Albert Park, Victoria
October 30th - November 1st, 2018
Riverland Industries

A new era in quality dawns
History

- Cap on diversions 1995
- Living Murray Initiative 2003
- Water Act 2007
- MDBA Plan 2012
  - Water for Environment
  - Special Account
- Independent Review of the Water Act 2014
- Water Amendment Bill 2015
Water recovered for Icon sites
Murray Darling Basin Agreement
CHEWO
Separation of Water and Land
  Trading markets
  Registers
Water Charge and Market rules
Water for the Environment
  Special Account 450 GL up water

Reviewed in 2014
  Fine tuning
Changes for CHEW use of proceeds
2750 GL of water to be recovered
Northern Basin Review
SDL Adjustment Mechanism (Legislated)

Remaining water mostly recovered

End dates 2019 and 2024
COMMONWEALTH ON-FARM FURTHER IRRIGATION EFFICIENCY (COFFIE) PROGRAMME PILOT
SOUTH AUSTRALIA
GUIDE FOR PARTICIPANTS
Challenges

Political changes

- Continued spending on infrastructure
- Solutions other than flow
- 450 GL of up water

Water Trading

- Channel constraints
- Constraints Management

Water Security

- Change in cropping mix (annual/perennial)
- Reliability

Footprint will shrink (Currently Dairy)
Energy
Energy – working it out

LOXTON PUMPING STATION ELECTRICITY COSTS F2010 to F2018

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<td>Network</td>
<td>$381,837</td>
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<td>$502,094</td>
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<td>Carbon Tax</td>
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<td>Renewable Energy</td>
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<td>Loss Factors</td>
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<td>Other Fees</td>
<td>$8,035</td>
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<td>$69,356</td>
<td>$44,320</td>
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<td>$69,502</td>
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<td>Total</td>
<td>$890,150</td>
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<td>$1,232,793</td>
<td>$1,533,481</td>
<td>$1,393,662</td>
<td>$1,323,946</td>
<td>$1,286,541</td>
<td>$1,827,288</td>
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PRICING INCREASES F2010–F2018

Network Electricity
Total Electricity
Retail Electricity
CIF Price Increases

N.B. based on $3,629,523 kWh Peak and $3,126,654 kWh Off Peak usage and 4,945 KWh Demand each year
What Makes up our Energy Bill

Transmission and Distribution
Generation
System losses
Environmental costs
Sundry fees and charges
60% increase in 8 years
Regulated by AER
SA PV subsidy included

Submissions SAPN (2), AER (3), ElectraNet, Tribunal Hearing, Senate Inquiry
Representations SAPN, Federal Minister, Deputy Prime Minister, Local MPs and Senators
Success in seeing SAPN excesses curbed
Environmental Costs

Carbon Tax
RET Schemes (LRET and SRET)
Legislated schemes with international commitments
Difficult to influence
Retail what can be done

Spot market
Diesel generation
Solar generation
Solar and Batteries
PPAs
Group purchasing
SACOME organised
20 members and 16 % of the states power supply
ACCC approval to collective bargain
5 Companies signed a deal
  Simec Zen new market entrant
  8 year with firm volumes
  Solar plant 1 GW
Thank you for listening