

Taking Control Water and Energy Almond Conference 2018



Presentation by

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18th Australian Almond Conference

Pullman Hotel Melbourne, Albert Park, Victoria

October 30th - November 1st, 2018



Riverland Industries



















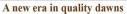






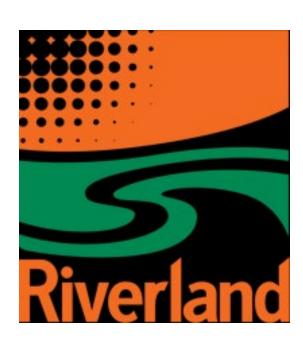












Water - a trip back in time





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

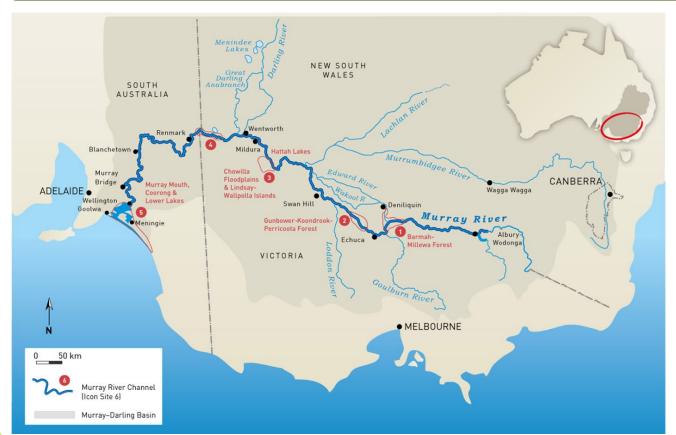
Water Amendment Bill 2015





The Living Murray – 500 GL





Water recovered for Icon sites





Water Act 2007 - Changes





Murray Darling Basin Agreement CHEWO

Separation of Water and Land

Trading markets

Registers

Water Charge and Market rules

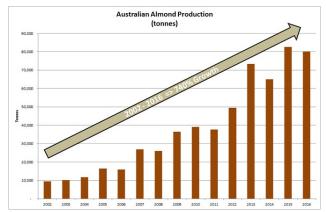
Water for the Environment

Special Account 450 GL up water

Reviewed in 2014

Fine tuning

Changes for CHEW use of proceeds





MDBA Plan – Job done......Maybe?



2750 GL of water to be recovered

Northern Basin Review

SDL Adjustment Mechanism (Legislated)



Remaining water mostly recovered







Special Account – 450 GL





COMMONWEALTH ON-FARM FURTHER IRRIGATION EFFICIENCY (COFFIE) PROGRAM ME 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



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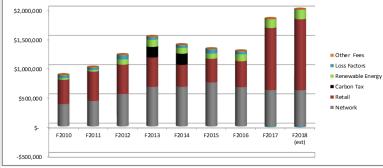


Energy – working it out



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LOXTON PUMPING STATION ELECTRICITY COSTS F2010 to F2018																		
Annual Expense	F2010		F2011		F2012		F2013		F2014		F2015		F2016		F2017		F2018 (est)	
Network	\$	381,979	\$	434,367	\$	552,685	\$	674,919	\$	677,241	\$	750,623	\$	670,072	\$	619,675	\$	617,051
Retail	\$	414,584	\$	502,594	\$	502,594	\$	502,594	\$	374,511	\$	405,121	\$	443,838	\$	1,061,464	\$	1,212,718
Carbon Tax	\$	-	\$	-	\$	-	\$	181,228	\$	190,333	\$	-	\$	-	\$	-	\$	-
Renewable Energy	\$	27,264	\$	26,236	\$	88,470	\$	120,745	\$	97,706	\$	88,775	\$	117,579	\$	143,100	\$	158,947
Loss Factors	\$	47,499	\$	38,182	\$	69,398	\$	44,320	\$	44,088	\$	69,502	\$	46,105	-\$	11,808	-\$	14,032
Other Fees	\$	8,835	\$	8,249	\$	9,647	\$	9,678	\$	8,784	\$	9,325	\$	8,947	\$	14,857	\$	9,671
Total	\$	880,160	\$:	1,009,627	\$1	1,222,793	\$:	1,533,483	\$	1,392,662	\$1	1,323,346	\$:	L,286,541	\$1	1,827,288	\$:	1,984,354











N.B. based on 3,628,523 kwh Peak and 5,126,456 kwh Off Peak usage and 4,545 Kvar Demand each year

What Makes up our Energy Bill





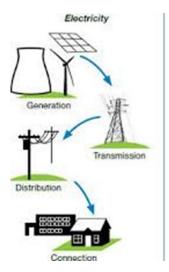
Transmission and Distribution

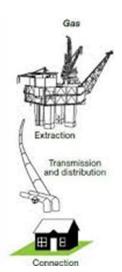
Generation

System losses

Environmental costs

Sundry fees and charges





Poles and Wires – DUOS & TUOS





60% increase in 8 years

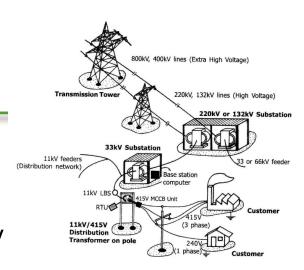
Regulated by AER

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

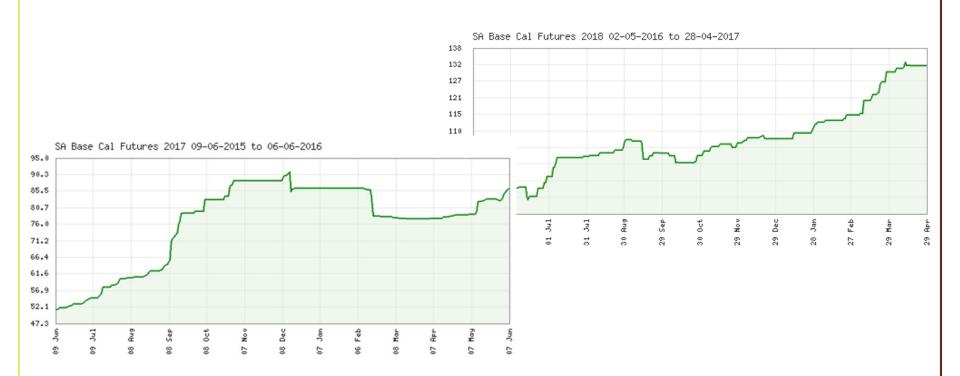
Difficult to influence



Retail Futures Prices



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Retail what can be done



Spot market

Diesel generation

Solar generation

Solar and Batteries

PPAs

Group purchasing



Bulk Buying Group





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