



WATTS WORKING BETTER

www.wattsworkingbetter.com.au



The Watts Working Better project has received funding from the Australian Government.



- Who am I? Thomas Brown – Executive Officer Goulburn Broken Greenhouse Alliance (GBGA).
- GBGA is the northern Victorian regional alliance of 8 Council's and the Catchment Management Authority in the Goulburn Valley
- Established in 2007 to coordinate responses to climate change in the region
- WWB project manager



WWB – our story on video



- [WWB overview video - https://youtu.be/OKBIBpEuB4g](https://youtu.be/OKBIBpEuB4g)

The Project



- Regional local government energy efficient street light retrofit program in northern Victoria, involving 11 Council's
- Retrofitting >13,600 old MV80 lamps to T5 and LED lamps – category P-5
- Total project budget ~\$5.5 million



- Benalla Rural City Council
- Campaspe Shire Council
- Greater Shepparton City Council
- Mansfield Shire Council
- Mitchell Shire Council
- Moira Shire Council
- Murrindindi Shire Council
- Strathbogie Shire Council
- Rural City of Wangaratta Council
- Indigo Shire Council
- Towong Shire Council



Where did we come from

- Applied for funding in 2013 to Australian Gov (then CEEP round two);
 - Successful @ \$2.95 million
 - Greater Shepparton lead Council
 - Project start-up
 - Governance
 - Finance
 - Planning
 - Procurement
 - Media and Communications



The Watt details

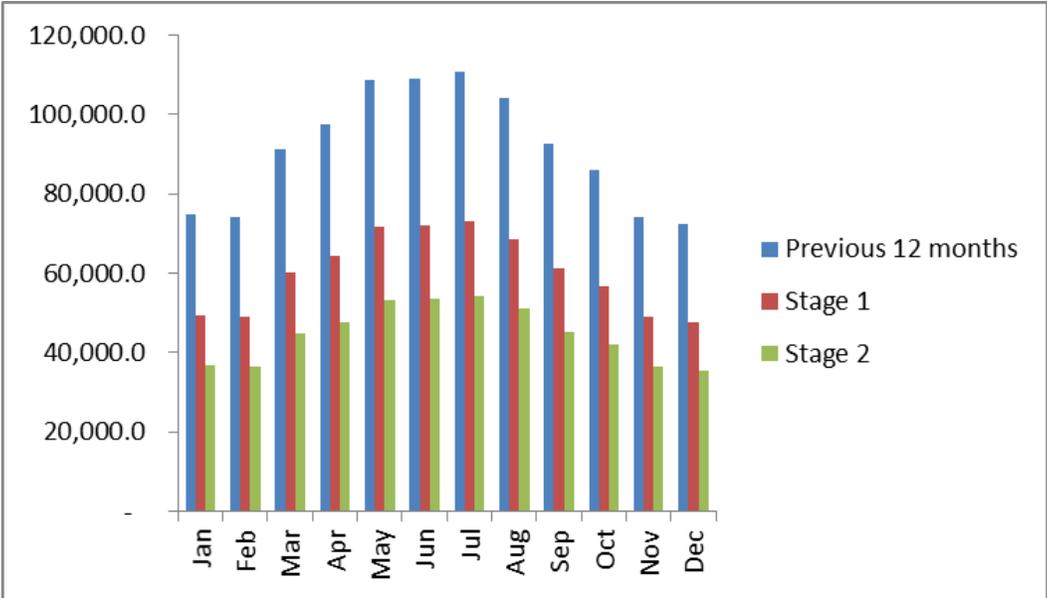
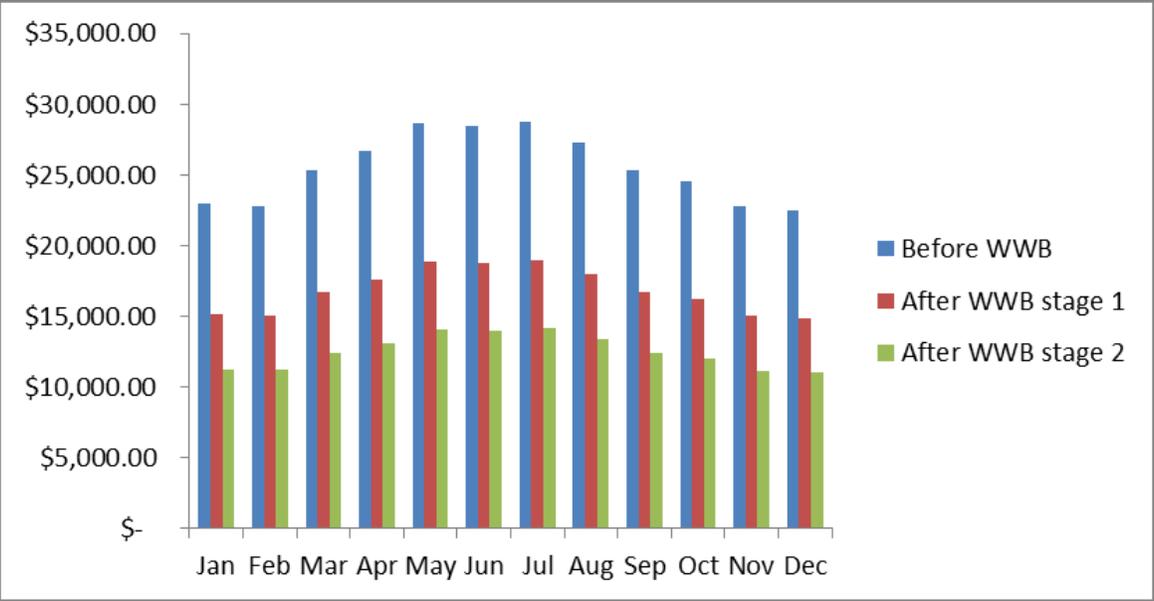
- Two DNSP regions
- Multiple contracts
- Project management support
- Goulburn Broken Greenhouse Alliance project manager
- Solid project governance at three levels
- Community education
- 3 year project





Outcomes

- Energy savings - 3.9 million kWh p.a.
- GHG savings - ~5339t CO₂-e p.a.
- Financial savings - >\$800,000 p.a.





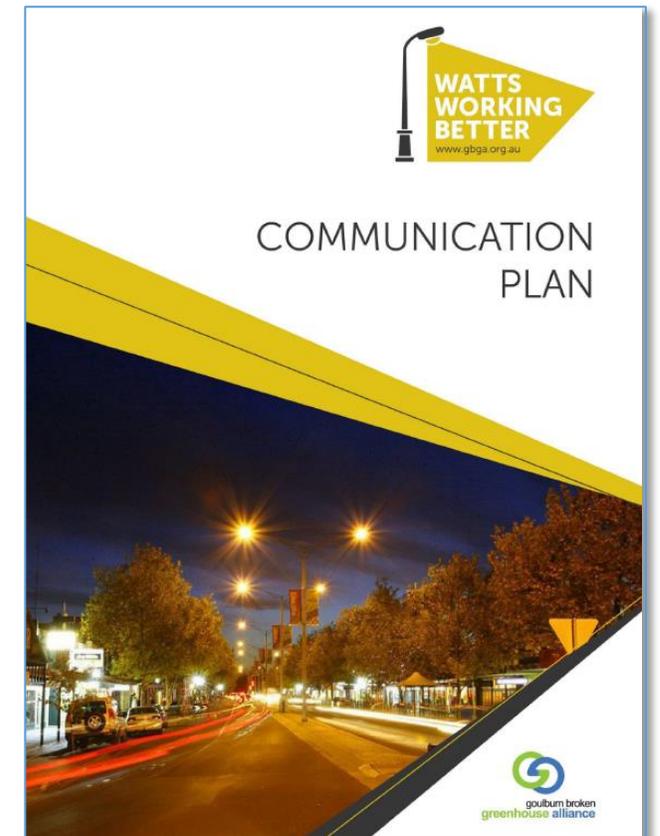
Outcomes – savings notes

- The predicted saving v's actual are likely to vary
- Savings can increase or decrease
- Control your own destiny = planning and technology selection

Light type	United Energy			Jemena			CitiPower			Powercor			Ausnet Services - Central (N&E similar)		
	2015	2016	% change	2015	2016	% change	2015	2015	% change	2015	2016	% change	2015	2016	% change
80W MV	\$64.80	\$51.35	-21%	\$48.83	\$48.21	-1%	\$69.07	\$61.69	-11%	\$53.01	\$47.93	-10%	\$48.26	\$37.51	-22%
150W HPS	\$97.72	\$66.01	-32%	\$91.54	\$95.33	4%	\$117.65	\$102.61	-13%	\$87.39	\$90.56	4%	\$105.11	\$93.75	-11%
250W HPS	\$99.64	\$67.64	-32%	\$93.95	\$96.51	3%	\$119.37	\$104.04	-13%	\$90.27	\$91.74	2%	\$106.40	\$94.67	-11%
18W LED	\$19.15	\$17.94	-6%	\$21.94	\$18.69	-15%	\$23.15	\$26.80	16%	\$17.82	\$26.31	48%	\$21.29	\$18.02	-15%

Community Engagement

- \$140,000 budget
- Detailed Communications Plan
- TV + Radio
- Print
- Social and digital media
- Direct community engagement



Project governance a key

- Governance Structure
 - Greater Shepparton financial controller & CEEP reporting
 - Steering Committee
 - Powercor Working Group
 - AusNet Working Group
 - Communications Working Group
- GBGA role;
 - Project over sight
 - Secretarial services
 - Member Participation Agreement



Standouts

- Focus on a TBL approach to project delivery
 - Waste Management + Social Enterprise
 - Capacity building
 - GHG reductions
 - Financial savings
- Landmark project
 - ‘Green investment’



Standouts – adding extra value



- Focus on a TBL approach to project was a central theme of the project
- WWB steering committee was keen to test this commitment to TBL and broader Environmental Sustainability
- Application to the Victorian Premiers Sustainability Award in 2015
- RESULT = Winner of Built Environment Category in 2015
- Flow on effects = huge buy in from Councils and an ambition to do more projects like this



Lessons

- Project management support
- Good installation contractor
- Careful procurement
- Project Governance
- Communication/engagement
- Flexibility
- Scale of economy



Further Information



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