



# WATTS WORKING BETTER

[www.wattsworkingbetter.com.au](http://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



# 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

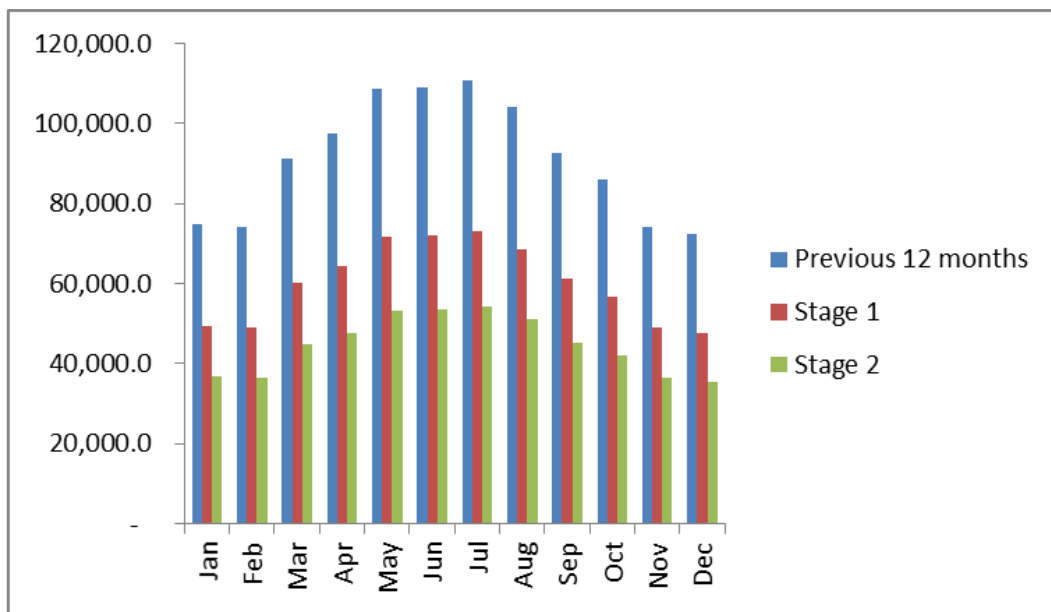
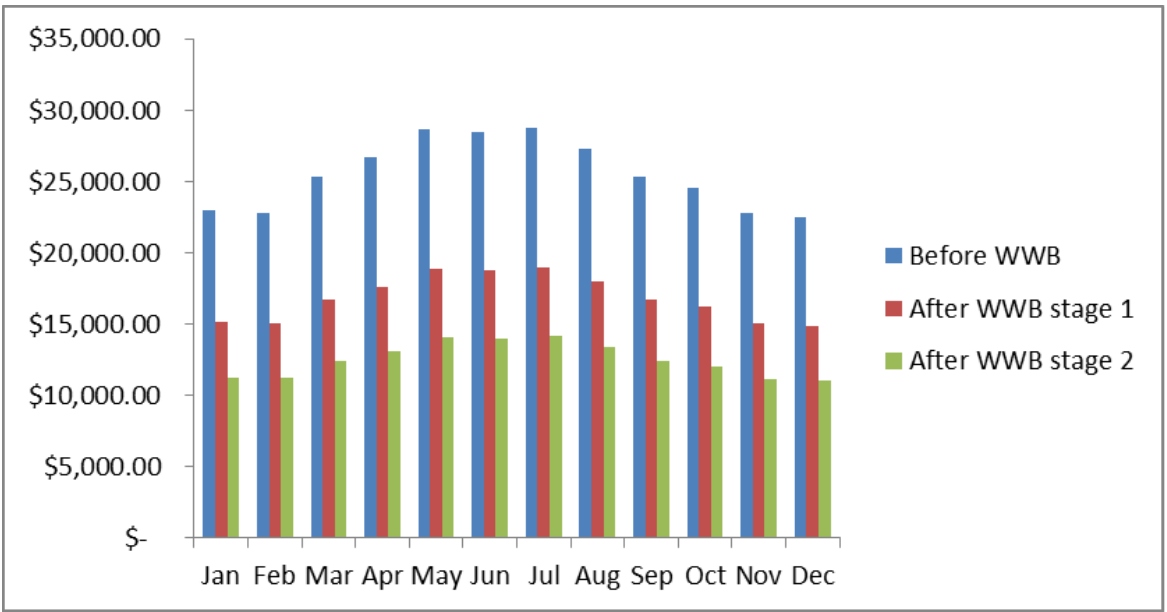
- Two DNSP regions
- Multiple contracts
- Project management support
- Goulburn Broken Greenhouse Alliance project manager
- Solid project governance at three levels
- Community education
- 3 year project





# Outcomes

- Energy savings - 3.9 million kWh p.a.
- GHG savings - ~5339t CO<sub>2</sub>-e p.a.
- Financial savings - >\$800,000 p.a.





# Outcomes – savings notes

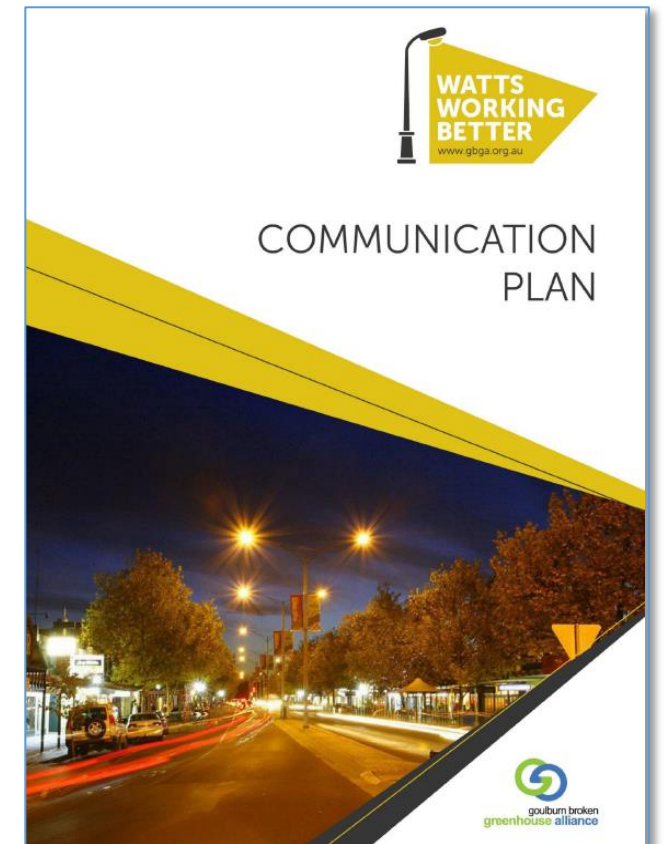
- The predicted saving v's actual are likely to vary
- Savings can increase or decrease
- Control your own destiny = planning and technology selection

	United Energy			Jemena			CitiPower			Powercor			Ausnet Services - Central ( N&E similar)		
Light type	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'



## Group's bright light project

By CHLOE WARBURTON

ConnectGV clients will be working towards a brighter future thanks to a project where they will dismantle old streetlights to salvage recyclable materials. The Watts Working Better streetlight program will change old street lights to energy efficient lights in nine council areas, including City of Greater Shepparton. Just fewer than 5000 old mercury vapour lights are set to be replaced with energy-efficient compact fluorescent and LED light fittings in the next year. A partnership between the Watts Working Better project, ConnectGV, Foot Waste, Greater Shepparton City Council, Moira Shire Council, Campaspe Shire Council and ETS Electrical Services will see between 75 per cent and 95 per cent of the old lights dismantled and recycled.

Continued on page 4



Helping hand: ConnectGV's Brad Murraylee is part of the Watts Working Better streetlight recycling program.

Picture: Ray Storr



# 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 a 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



Thomas Brown

Executive Officer - Goulburn Broken Greenhouse Alliance

0437 038 118

[gbga@gvwrrg.vic.gov.au](mailto:gbga@gvwrrg.vic.gov.au)

[www.gbga.org.au](http://www.gbga.org.au)

