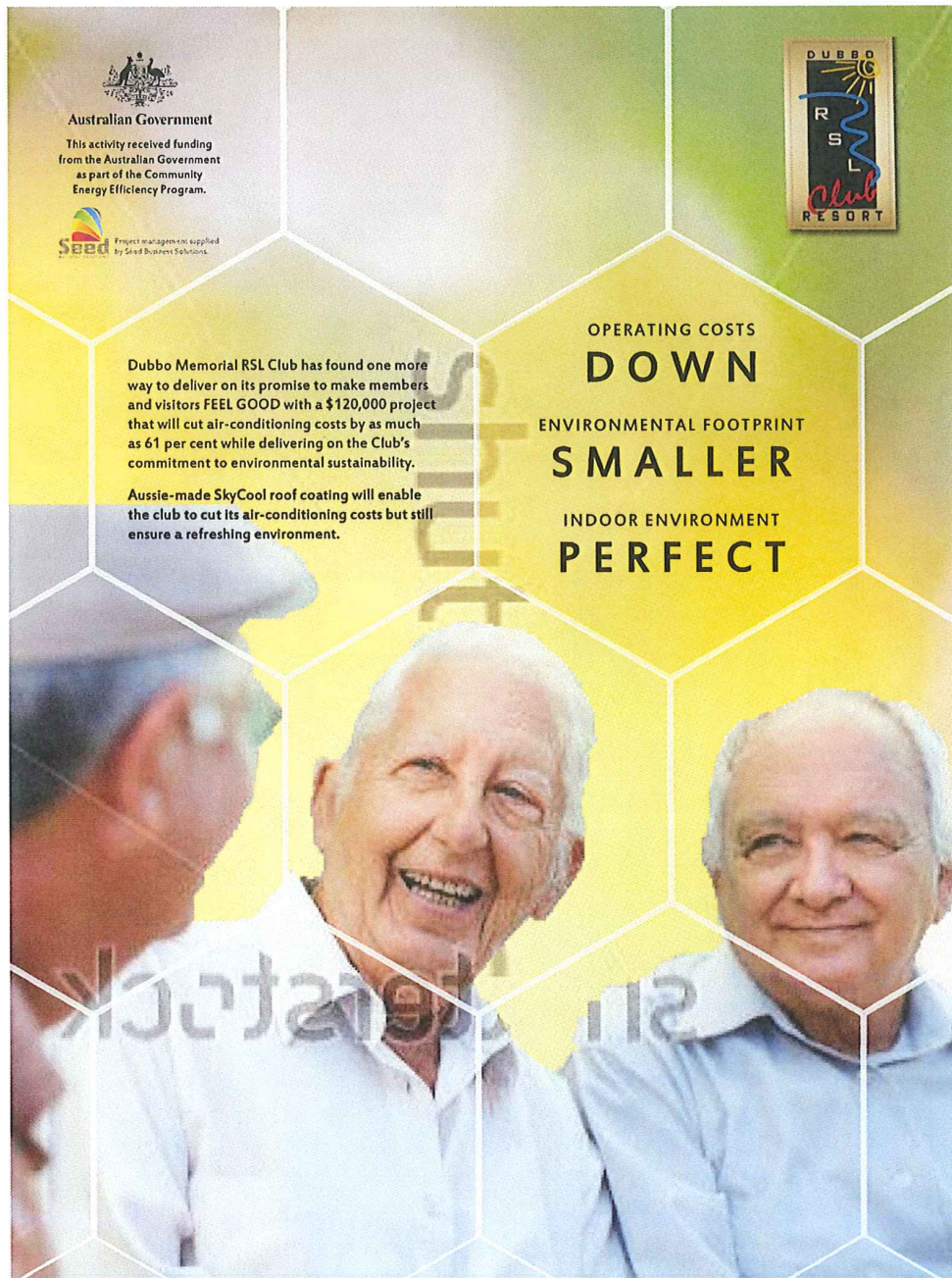





DUBBO RSL MEMORIAL CLUB
SKYCOOL HEAT REDUCTION PROJECT
COMMUNITY ENERGY EFFICIENCY PROGRAM – ROUND TWO –
FINAL REPORT




Australian Government
This activity received funding from the Australian Government as part of the Community Energy Efficiency Program.


Project management supplied by Seed Business Solutions.



OPERATING COSTS
DOWN

ENVIRONMENTAL FOOTPRINT
SMALLER

INDOOR ENVIRONMENT
PERFECT

Dubbo Memorial RSL Club has found one more way to deliver on its promise to make members and visitors FEEL GOOD with a \$120,000 project that will cut air-conditioning costs by as much as 61 per cent while delivering on the Club's commitment to environmental sustainability.

Aussie-made SkyCool roof coating will enable the club to cut its air-conditioning costs but still ensure a refreshing environment.

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1. Executive Summary

In 2014, the Dubbo RSL Memorial Club received funding from the Australian Government.

The grant was used for the installation of a specialised thermal roof coating to reduce the solar heat load on the roof of the Dubbo RSL, with the objectives of reducing energy consumption for the dual purpose of operational cost control and improved environmental management outcomes.

A first for western NSW, the project was straightforward, low risk and low cost. It involved the engagement of contractor to spray the roof of the club with a specialised paint.

2. Project Objectives

The key objectives of this project were to

1. Reduce energy consumption and
 2. Contribute in a positive way to the environment
- During the project, we also had a communications objective of communicating the benefits of the project to the community & to promote the use of the grant funds to the community

3. Project Energy Efficiency Objectives

3.1 Area

The Skycool project was applied to the main RSL buildings, which include the club area of the building and the area occupied by the indoor pool and health club. The total area that received the Skycool application was 5,414m².

3.2 Technology

- Skycool applied a specialised thermal roof



coating to the metal roof in a manner consistent with best practice for this material.

- The surfaces were cleaned to a condition suitable for the application of Skycool. This process utilised water in conjunction with a purpose-built mechanical scrubber to remove unstable residues and contaminants from the roof. This method ensured that water use is minimised.
- Mains water supply was provided for this purpose.
- All rust and/or algae affected areas were treated prior to the Skycool application. Rust treatment included the application of a commonly available sealant.
- To applications of Skycool were applied
 - Initial application of Skycool to prime the roof surface for the full coating.
 - Final application of between 0.3 - 0.4mm coating of Skycool follows upon drying of the first coat.

3.3 Issues during the project

No issues were encountered during the project.

3.4 Learning's

In terms of project management and the application of the Skycool technology, the project was simple and straightforward. The Skycool company and its staff were easy to deal with, unobtrusive and willing to work within the constraints of the Dubbo RSL's WHS policies. When additional information was required for the Department, Skycool staff were quick to respond to requests for information.

Skycool also provided a report to the Dubbo RSL on finalisation of their work, which included a picture story of before and after photos. This report has been beneficial for preparing the final report to the Australian Government.

4. Project Demonstration and Communication Activities

4.1 Targeted Stakeholders

A communications plan was produced at the beginning of the project, which identified stakeholders, their needs and key messages.

The stakeholders identified for the project included the following:

- Members and customers of the Dubbo RSL
- The Clubs network
- Public/ community
- Politicians – local, state and federal
- Media – local and regional

4.2 Information Distribution & General Education

The Dubbo RSL undertook several activities during the project, to promote the activity as well as the general benefits of contributing to our environmental integrity.

The following activities were undertaken:

- When the funding was announced, the Dubbo RSL produced a fact sheet and also wrote to each of the organisations that had provided letters of support, thanking them for their support.
- Factsheet was produced about the project and published on the Dubbo RSL website
- Two posters were produced that were hung at several locations throughout the Club, promoting the grant, the project and the Dubbo RSL's commitment to the environment.
- 5000 beer coasters were produced and used throughout the club, promoting the project
- During application of the Skycool technology a second press release was issued, with a photo opportunity to regional media. An article was published in the region's Daily Liberal newspaper and WIN Television also ran a story of the project.
- The Dubbo RSL sponsored and hosted a Dubbo Chamber of Commerce and Industry networking breakfast. At this breakfast, attended by approximately 55 business people; the Dubbo RSL gave a presentation of the Skycool project and distributed the project fact sheet.

5. Outcomes and Benefits

5.1 Overall Outcomes

In comparing energy consumption for the months of November 2013 and November 2014, energy consumption has reduced on the site by 770.66 kWh, with a bill reduction of \$8668.34, a 19.3% saving between the comparison periods.

It is noted that November 2014 was much hotter than November 2013, with the average temperature in 2014 being 33.34 over the 30 days, while the average in November 2013 was 30.05.

The table below shows that energy consumption was most effected on the cooler days (below 30 degrees).

It is noted the project also involved a tidy up of the roof and it anticipated that maintenance of the roof will be reduced, as a result of the application of Skycool.

5.2 Energy targets

Based on the information provided by Skycool, it was hoped to achieve a 30% reduction in consumption, a figure reported by Skycool as achieved at other sites.

It is anticipated that over a year, the Dubbo RSL will easily achieve this target, with a 5.7% reduction in consumption recorded for the month of November comparison undertaken.

With a 19.3% cost saving it is also anticipated that the Dubbo RSL will easily achieve the estimated cost saving of \$163,676 per year, immediately providing a NPV of the project over 5 years of \$262,420.

With the grant of 60,000 provided by the Australian Government, the payback period for the project is just under 1 year and 5 months.

5.3 Communication Outcomes

The focus of the communications about this project has largely been local, with a potential reach to the regional population of 200,000 people.

The impact of communications has not been measured, other than through media monitoring to ensure that any publicity undertaken generated a result.

In terms of outputs, the following activities were undertaken:

- Factsheet was produced about the project and published on the Dubbo RSL website
- Two posters were produced that were hung at several locations throughout the Club, promoting the grant, the project and the Dubbo RSL's commitment to the environment.
- A poster was also inserted into the Dubbo RSL's hotel information booklet (30 rooms).
- 5000 beer coasters were produced and used throughout the club, promoting the project
- During application of the Skycool technology a second press release was issued, with a photo opportunity to regional media. An article was published in the region's Daily Liberal newspaper and WIN Television also ran a story of the project.
- The Dubbo RSL sponsored and hosted a Dubbo Chamber of Commerce and Industry networking breakfast. At this breakfast, attended by approximately 55 business people; the Dubbo RSL gave a presentation of the Skycool project and distributed the project fact sheet.

Whilst all of the communication targets were met, the Dubbo RSL intends to undertake the following activities to boost promotion of its environmental commitment:

- Improve information on Dubbo RSL website by creating a page dedicated to sustainability
- Re-engaged staff on the results of the Skycool project and on ideas for continuing to improve our environmental footprint
- Hosting a community information, showcasing the initiatives that have been implemented and the benefits of implementation.

- Target communications to the Clubs industry, in terms of the benefits of the project.

5.4 Budget

The project was achieved on budget.

As stated above the project achieved value for money, with the payback period of 1 year and 5 months.

6. Project Operations

An external contractor, Seed Business Solutions, provided project management assistance.

The process of project management worked well, the project manager facilitating communication and documentation between all stakeholders.

The Dubbo RSL was pleased with the result and would use the external contractor again. The contractor was able to manage the technical aspects of the project; as well as the communications and reporting.

7. Conclusions

With a membership of some 18,000 people and an employment pool of 186 employees, the Dubbo RSL Memorial Club and its ancillary businesses provide valuable services and support to the local community and its many community groups. For some element of the community, the facilities provide shelter and relief from extreme weather conditions experienced in Western NSW.

With rising electricity costs and a dedication to environmental sustainability (the club has achieved Silver level with the NSW Government's Sustainability Advantage Program); the club is committed to protecting and conserving the environment, including natural resources, ecological processes and biological diversity.

One of the largest clubs of its type, west of the Blue Mountains, the Dubbo RSL Memorial Club spans more than 4800 sq. metres of roof space. The project involved the installation of a specialised thermal roof coating. The aim of the coating is to assist the Dubbo RSL Memorial Club to reduce energy consumption, thereby reducing operating costs; and green house emissions.

Based on a comparison between the months of November 2013 and November 2014, it was identified that the application of the Skycool coating to the roof of RSL has contributed to a reduction in energy consumption by the Club, which also resulted in a saving of the \$8668.34 between the comparison months.

It is anticipated that the project will have a payback of 1 year and 5 months; with savings from the project going back to the community that the Dubbo RSL serves.

8. Project Energy Efficiency Improvement Template

PROJECT TITLE	Dubbo RSL Skycool Project	PROJECT ID	CEEP1000
FUNDING RECIPIENT	Dubbo RSL Memorial Club	DATE	17 December 2014
Building, Facility or Site 1			
Name of Building, Facility or Site 1	<i>Dubbo RSL Memorial Club</i>		
Location (address)	178 Brisbane St, Dubbo, NSW, 2830		
Type of building, facility or site	Club, function rooms and health club		
Activity Type and Measure	Application of a thermal coating to the roof		
Energy Efficiency Estimate Method	Energy consumption: comparison between November 2013 and November 2014		
Baseline Energy Usage	2698.25M kWh per annum		
Baseline Energy Efficiency	2698.25M kWh per annum		
Energy Efficiency Improvement	809.47MW per annum		
Reporting Data (Measuring Energy Efficiency and Additional Data)	A total area of 5414 m2. Energy consumption and cost of energy		
Cost of Activity	\$111,712		
Estimated Cost Savings	\$163,676 per annum		

9. Declaration

The Authorised Officer of the organisation makes the following declarations:

- ☒ I declare that I am authorised to submit this Final Report (including any attachments) on behalf of DUBBO RSL MEMORIAL CLUB (Name of organisation)
- ☒ I declare that the information provided in this Final Report is true and accurate.
- ☒ I understand, and acknowledge that giving false or misleading information in this Final Report is an offence under the *Criminal Code Act 1995*.
- ☒ I understand that final payment will only be made in accordance with the Funding Agreement including on satisfactory completion of Milestones.

Authorised Officer Signature: [Signature] Date: 22/12/14

Name: Ros Lico

Position: General Manager Organisation: DUBBO RSL MEMORIAL CLUB

Witness Signature: [Signature] Date: 22/12/2014

Name: Astid Stufano

Position: Personal Assistant Organisation: Dubbo Rsl Memorial Club

The use and disclosure of information provided in this Final Report is regulated by the relevant provisions and penalties of the *Public Service Act 1999*, the *Privacy Act 1988*, the *Freedom of Information Act 1982*, the *Crimes Act 1914* and the general laws of the Commonwealth of Australia.

Information contained in the Final Report may be disclosed by the Department for purposes such as promoting the program and reporting on its operation and policy development. This information may also be used in answering questions in Parliament and its committees. In addition, the selected project information will be made publicly available. Public announcements may include the name of the grant recipient and of any project partners; title and description of the project and its outcomes; and amount of funding awarded.

DUBBO RSL MEMORIAL CLUB

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Telephone 02 6882 4411
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Tax Invoice

Invoice Number 33668
Date 19/12/14

Invoice to:

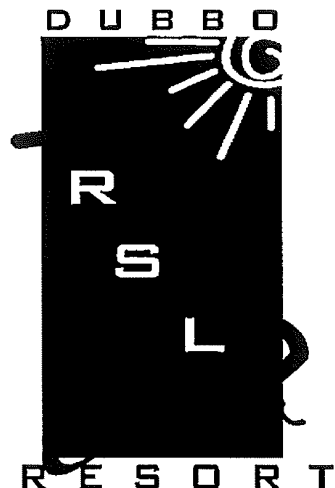
Department of Industry
GPO Box 1564
CANBERRA
ACT 2601

Contact: Ian Swain

Customer Code DEPTINDC
Customer Reference

Customer A.B.N. 74599608295

Our Order No. 0



Item Code	Item Description	Invoice Quantity	Per	Price	Disc	Tax	Amount
0112104500	First Milestone Project - CEEP2213 Execution of Funding Agreement	1		6000.00	0.00	600.00	6,600.00

Terms: C.O.D.

Total Includes Tax of
600.00

Total
6,600.00

Please note new bank details for direct deposits NAB BSB 082-564 Account number 14-603-1870