



# **Cities Power Partnership Webinar**

29<sup>th</sup> July 2020

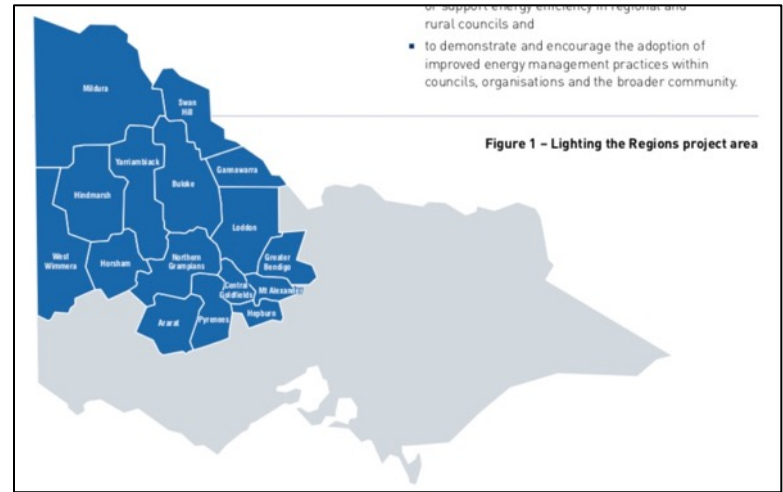
# Agenda

1. Background – Learning From the Past
2. Stimulus Package 101
3. Key Opportunities for “Shovel Ready” Projects
4. Sneaking in Sustainability
5. Take-Out Messages



# Background: Learning From the Past

# Winding Back the Clock



# Winding Back the Clock

FEBRUARY 13 2015 - 1:00AM

## Horsham streets lights upgraded as part of Lighting the Regions project

Local News



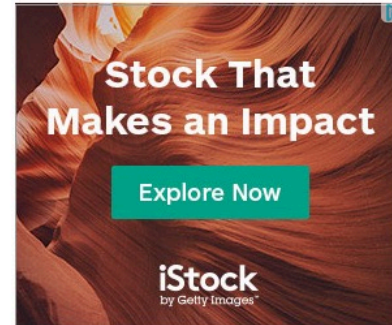
Comments



HORSHAM'S street lights will be swapped for a brighter, more energy-efficient option next week.

Up to 1495 older-style mercury street lights will be replaced with new light emitting diode lights from Tuesday.

Horsham Rural City is among 16 local government areas across north, west and central Victoria participating in the Lighting the Regions project.



### Time for a new car?

Come see the trusted local team for all new/used car inquiries

0353...

Show Number



### Michaels Of Donald

For all of your agricultural machinery and vehicle needs!

0354...

Show Number



### Macchia Jewellery

Macchia Jewellery specialises in hand made boutique jewelry.

0353...

Show Number



# Last Decade



# Last Decade




Andy from Horsham

Andy was ready


Andy was patient

Andy struck while the  
iron was hot


# Community Energy Efficiency Program (CEEP)




COMMUNITY ENERGY EFFICIENCY program




Round Two Guidelines  
OCTOBER 2012



Australian Government  
Department of Climate Change  
and Energy Efficiency



working together for a  
clean energy future



COMMUNITY ENERGY EFFICIENCY PROGRAM  
ROUND TWO APPLICATION FORM

OCTOBER 2012

APPLICATIONS FOR ROUND TWO CLOSE AT 5 PM (AEDT) ON 7 FEBRUARY 2013

**ABOUT THE CEEP ROUND TWO APPLICATION FORM**

In preparing an application for a grant under the Community Energy Efficiency Program (CEEP), refer to the *CEEP Round Two Guidelines*, the draft CEEP Funding Agreement and the *CEEP Round Two Application Guidance* available from [www.climatechange.gov.au/ceep](http://www.climatechange.gov.au/ceep). The *CEEP Round Two Application Guidance* provides supplementary information to assist applicants in developing their CEEP application.

In the case of group applications, a single application must be submitted by the lead organisation on behalf of a grouping of councils or non-profit community organisations. A group application must identify the members of the group and be signed by the Authorised Officer of the lead organisation.

This *CEEP Round Two Application Form* is a modifiable PDF compatible with Adobe Reader 9 and above. If you are unsure which version you have, you can find it in the Adobe Reader help menu. If you have a version of Adobe Reader older than version 9, you should download the latest (free) version of Adobe Reader from [www.adobe.com/products/reader.html](http://www.adobe.com/products/reader.html).

When you first open this form, you should click on the **Highlight Existing Fields** button in the purple message bar at the top of the form. Fields that will accept data will be highlighted with a blue background and required fields will be outlined in red.

For the form to work properly, **JavaScript must be enabled**. This must be done **before** any data is entered into the form. To enable JavaScript select *Edit-Preferences* from the Menu bar, then select *JavaScript* in the *Categories* dialogue box. Tick the *Enable JavaScript* click box to turn it on. If you see a yellow message bar at the top of the form with the following (or similar) message: 'JavaScript is currently disabled and this document uses it for some features' click on the *Options* button in the yellow message bar and select 'Enable JavaScript for this document always'. You may need to re-enter data if you enable JavaScript after you have entered data in the form.

This form contains free text fields, drop-down boxes and check boxes.  
Some text fields will accept only numbers (e.g. ABN or postcode).





# Community Energy Efficiency Program (CEEP)



## Street Lighting and Small Facilities Projects

Preparation for Funding Bids - 2012

### Background

Thank you for expressing interest in this Council Sustainability Funding Program.

As you will know from the information you have received so far, Ironbark Sustainability and ICLEI Oceania have been working with councils throughout Australia to reduce energy in street lighting and council buildings for many years. These are sectors that generally contribute a large proportion of a councils total greenhouse emissions and energy costs.

Given the range of funding currently available (or soon to be announced) we've teamed up to assist, encourage and deliver projects that can reduce emissions, save money and set in place long term sustainability programs. We also have Low Carbon Australia Limited (LCAL) on board to assist with financing.



We're looking at two project areas where councils can have a great impact on their emissions and energy costs:

1. Street Lighting Bulk Change
2. Small Facilities Ratings, Audits and Retrofits

By expressing your interest we will keep you abreast of the funding opportunities and offer you assistance in applying for or accessing these funds for your council or region. There may be



## CEEP Round 2

Required Information from Council

Ironbark is excited at the opportunity to work on this CEEP application on behalf of Council. We believe this will allow Council to demonstrate how projects have been successfully completed and also minimise application time and management costs.

Ironbark will write the application on behalf of Council using background information and experience from similar projects completed over the past decade. We will also liaise with the Department of Climate Change and Energy Efficiency in relation to CEEP funding.

This information sheet contains information that we require from Council to complete the application successfully.

Please contact Alexi Lynch (Business Leader – Sustainability Strategy) on 1300 288 262 or 0407 381 344 if you have any questions.

### Ironbark Role

Ironbark will essentially write the project plan and application as well as collate and organise all supporting material. Ironbark's role will include:

- Generally advising, discussing and crafting the project with Council to aim for the best success in accessing the funding
- Liaising with the Department of Climate Change and Energy Efficiency in relation to CEEP funding
- Collating all relevant council information and information on the project, timeframes, audits and business cases.



## How to Develop a Killer CEEP Application

Tuesday 13<sup>th</sup> November 10:30am (AEDT)

# Community Energy Efficiency Program (CEEP)

**CEEP**

- \* 30 Applications
- \* 62 Councils
- \* \$\$ Shiftloads

REFLECT :

Great jobs. Hard core. Exceptional!  
Intense. No worries. Love.  
Smooth. High Quality.  
Challenging.  
Extreme. Potential. Growth!  
Excitement.  
Team building

What Worked

- Council channels (internal)
- High Quality work (Ironbark people)
- Right person right job (or MC or end)
- Reviewing process (general)
- Templates - made in advance
- Late Councils
- Clear w our expectations
- Management of process
- Incremental improvement (or learn/ask)
- Hard deadlines
- Positive atmosphere
- Support team (op Pat)
- File management
- New general material (op LED/MSW etc)

What didn't

- Council input
- Wrong person wrong job (or MC or end)
- Late Councils
- Changing deadlines (From Council)
- Version Control
- Templates missed areas from application
- What else is given?
- Last minute surprises
- Templates (or Project Plan) repetitive ∴ hard to read
- Business Case data/mistakes

# Last Decade



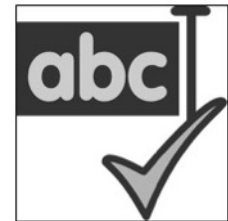
## How to Develop a Killer CEEP Application

Tuesday 13<sup>th</sup> November 10:30am (AEDT)



### Ironbark Hints

- Learn the rules before breaking them
- Think creatively about communications (tours, DVDs, host a business breakfast etc as well as traditional promotional activities)
- Neat and clear for an external audience
- Be relevant to the funder
- Write project plan first – this is the master document
- Draft community support letters to make it easier for them
- Check. Re-check. Re-check. Send.



# Last Decade





# Stimulus Package 101

# Current Federal Stimulus



## Australian Government

\$1.3bn is being forward  
the Financial Assistance  
Grants from 2020-21 to  
2019-20

Spent

### Councils receive \$1.8b package for roads

Matt Coughlan National



Councils will share in \$1.8 billion federal funding for roads and other projects amid coronavirus.

Councils will share in \$1.8 billion for road upgrades and local projects to help

Australian Government  
Department of Infrastructure, Transport, Regional Development and Communities

About Infrastructure investment Key projects

Home > Infrastructure investment > Local Roads and Community Infrastructure Program

## Local Roads and Community Infrastructure Program

New

\$500m

# LRCI Details

- ✓ All councils are automatically eligible
- ✓ Must be spent in the 2020/21 year
- ✓ Projects are **additional** to pre-COVID-19 work program



[https://investment.infrastructure.gov.au/infrastructure\\_investment/local-roads-community-infrastructure-](https://investment.infrastructure.gov.au/infrastructure_investment/local-roads-community-infrastructure-)

QLD	Winton Shire Council	1,066,785
QLD	Woorabinda Aboriginal Council	31,555
QLD	Wujal Wujal Aboriginal Shire Council	9,956
QLD	Yarrabah Community Council	45,250
SA	City of Adelaide	337,528
SA	Adelaide Hills Council	781,415
SA	Adelaide Plains Council	345,459
SA	Alexandrina Council	685,920
SA	Anangu Pitjantjatjara Yankunytjatjara	234,437



# Key Opportunities for “Shovel Ready” Projects



# Core Sustainability Projects

- *"street lighting equipment"*
- *"improvements to community facilities"*
- *"facilities off the road that support the visitor economy"* – e.g. EV charging infrastructure



# Types of Lighting Projects



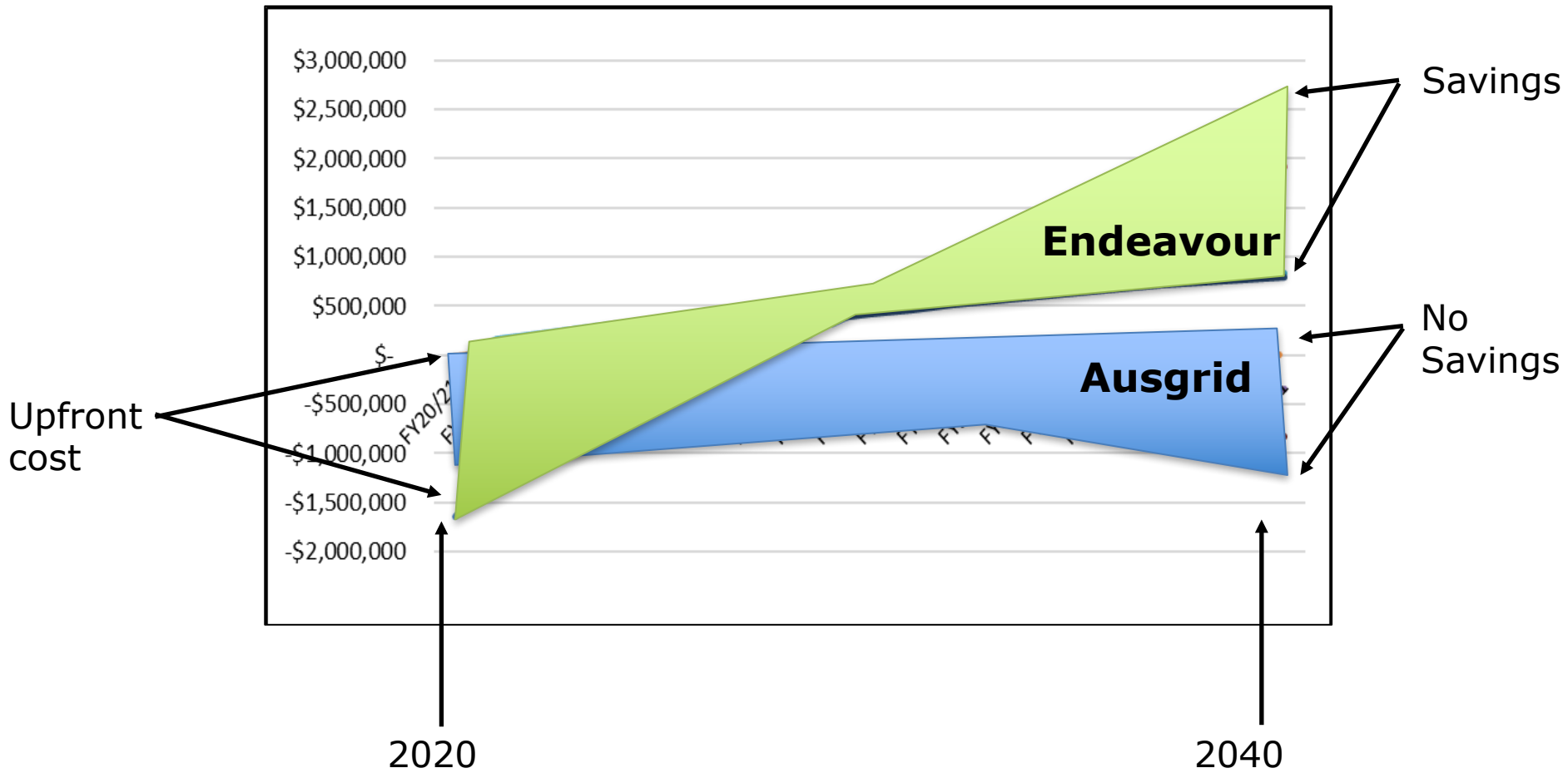
# Largest Opportunities



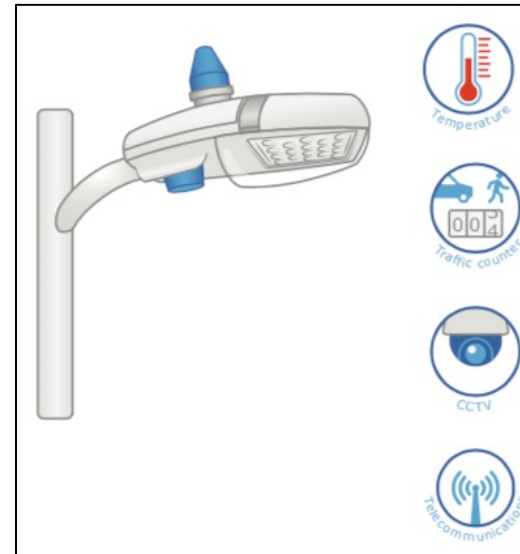
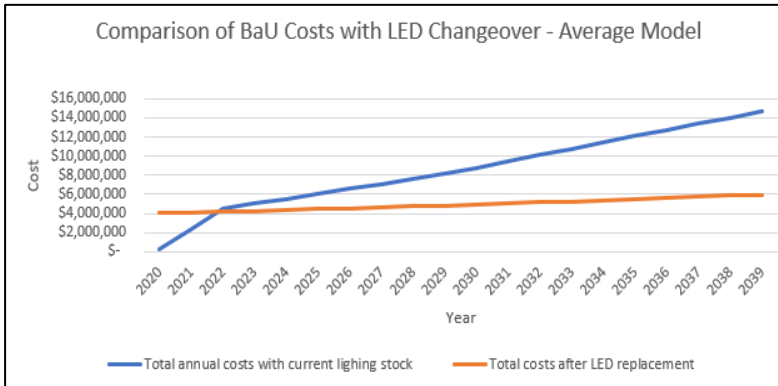
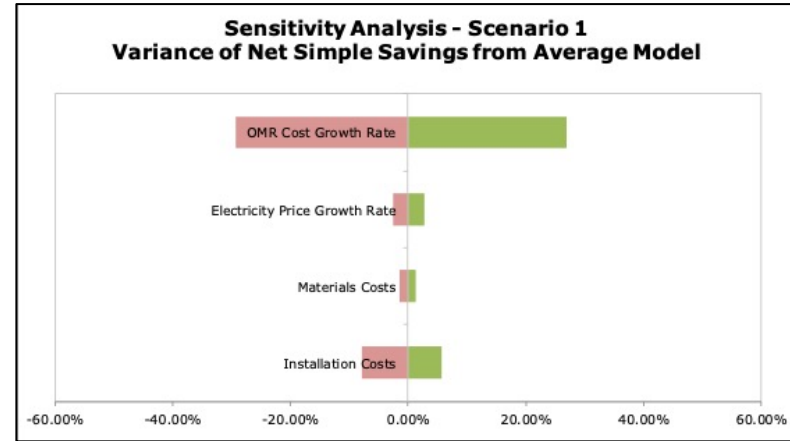
# Shovel-Ready LED Projects

		Major Road Scenario 1 - Complete Project (No Smarts)					
Local Roads and Communities		Bring Forward					
Council		OR Major Road Scenario 2 - Complete Project (No Smarts)					
Council		GHG savings					
Council		Total savings (20 years)					
Council		Residential Streets - Complete Project (No Smarts)					
Council	Council Project Costs	DoT Project Costs	Total Project Cost	Net savings (20 years)	GHG savings (20 years, tCO2)	Payback (Yrs)	Total savings (20 years, cost-savings)
	\$0						
	\$275,000	\$0	\$275,000	\$540,000	1030	8	\$810,000
	\$970,000	\$40,000	\$1,010,000	\$1,020,000	4630	11.1	\$2,000,000
	\$65,000	\$15,000	\$80,000	\$220,000	920	6	\$300,000
	\$0						
	\$510,000	\$345,000	\$855,000	\$2,585,000	6753	5.9	\$3,400,000
	\$135,000	\$15,000	\$150,000	\$230,000	1150	8.5	\$380,000
	\$238,000	\$12,000	\$250,000	\$565,000	1450	7.2	\$810,000

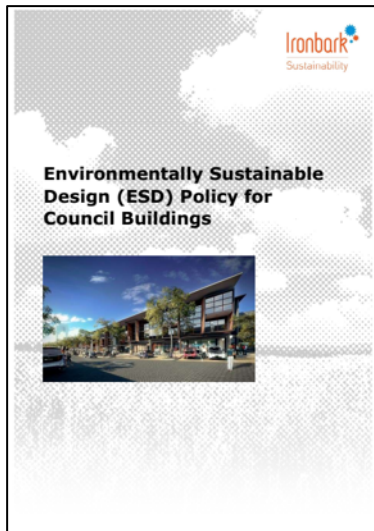
# Shovel-Ready LED Projects



# Business Case Essentials



# Community Facility Upgrades





# Sneaking in Sustainability



Shhhh...



# Sustainable Roads and Paths

## 1. Leading - Sustainability Specification

*In effect warm mix asphalt + 20-40% RAP, and 100% geopolymer in concrete*

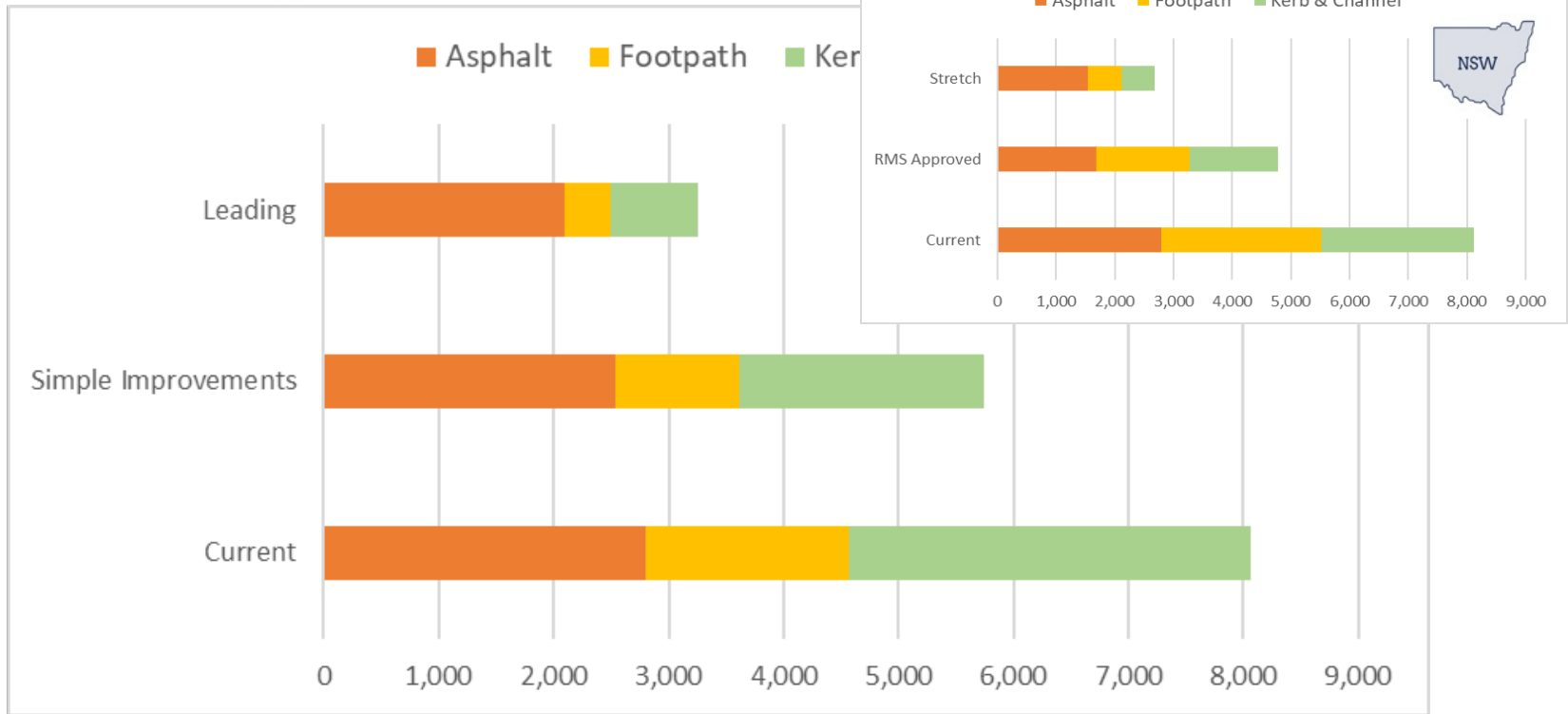
## 2. Simple - Sustainability Specification

*Warm mix asphalt and  $\approx$  40/60% geopolymer/cement*

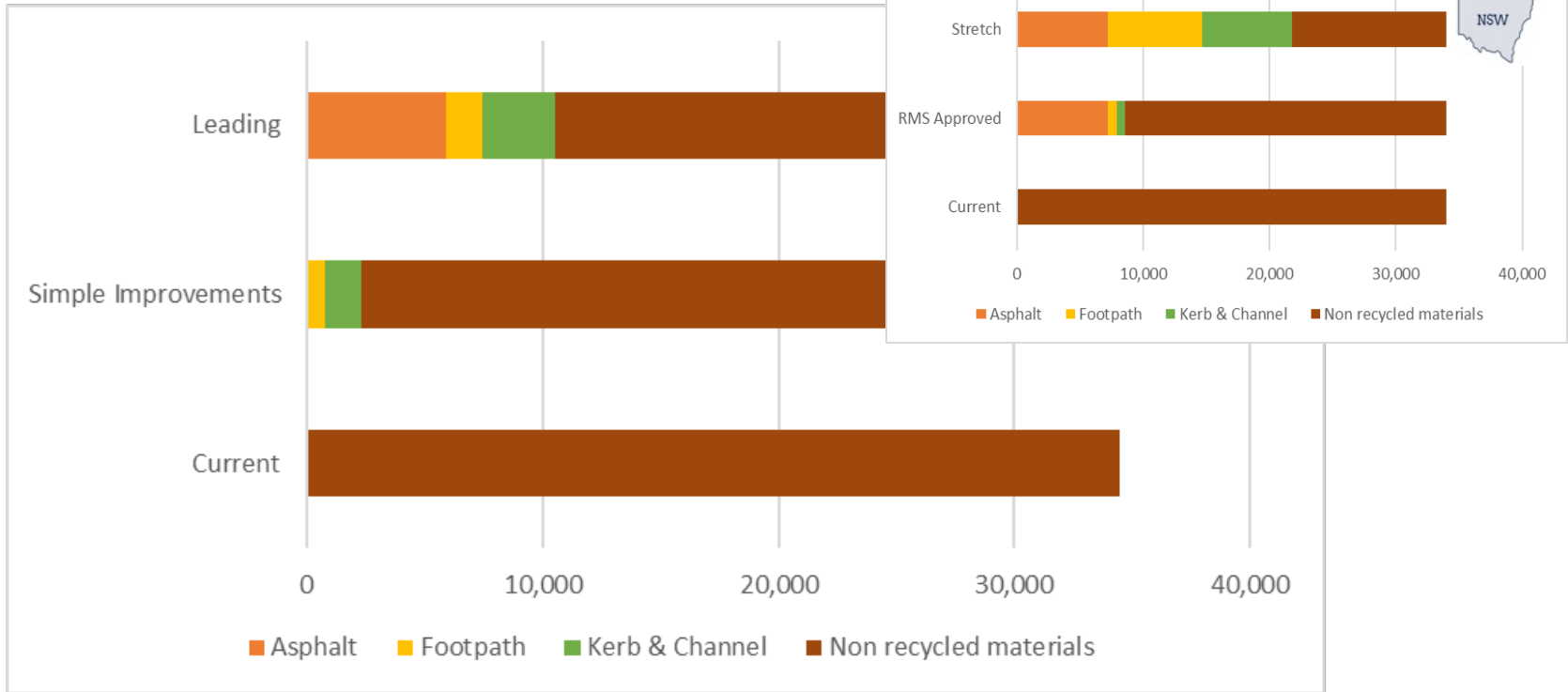
## 3. Current Council Specification



# Outcomes – Greenhouse Emissions



# Outcomes - materials



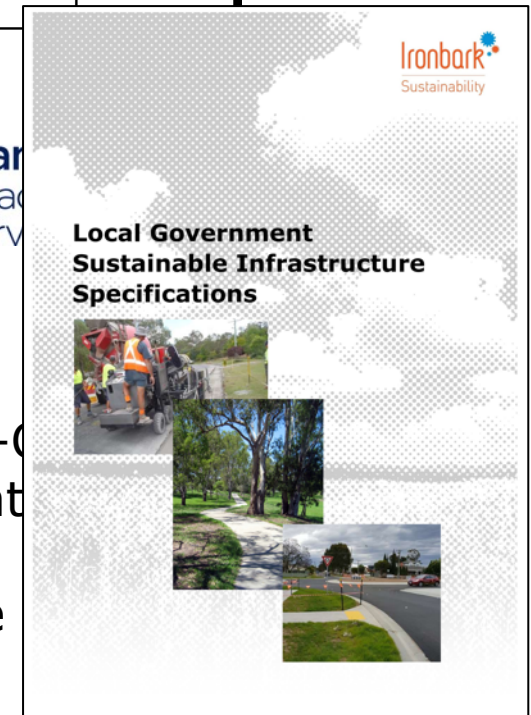
	Mix A	Mix B	Mix C
Typical Concrete Strength	32MPa	32 MPa	32 MPa
Portland Cement	100%	70%	60%
SCM	0%	30%	40%
Typical Application	Floor slabs		
Average time take to achieve required early strength of 22 MPa in days*	4	5	6



Trans  
Road  
Serv

### Concrete for Facilities:

- Use of low carbon (e.g. Geopolymer / E-C) or substitute 30-40% of Portland cement with supplementary cementitious materials.
- Recycled material to be >40% of coarse >25% of fine aggregate (sand)





# Summary

# Key Take-Out Messages





**Thanks**

[www.realaction.com.au](http://www.realaction.com.au)

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