



The Keyline Group

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The Role of Energy Efficiency in Environmental, Economic and Social Development

Michael Reid

IEA Workshop

Beyond energy savings: The multiple benefits of energy efficiency

# Outline

1. The NSW Home Power Savings Program and how its success has let to multiple benefits being embedded across a range of projects (in NSW and beyond)
2. How the SDGs have emerged as a central coordinating framework, bringing a range of sectors together to look at the systemic impacts of their work
3. The evidence and tools Energy Efficiency policymakers need if they are to engage with Business, Government and Civil Society to make a compelling case for Energy Efficiency





225,000  
**LOW INCOME  
NSW HOMES**  
*enjoying benefits*



of participants live in  
**REGIONAL  
NSW** LOCAL  
GOVERNMENT AREAS

30,000  
**HOMES**  
*where English is a  
second language*



**DELIVERING BILL SAVINGS OF**



**36 Million**  
EACH YEAR

10% NSW HPSP  
**LESS POWER  
USE EVERY YEAR**  
*and often more*

Community support  
Over **200** LOCAL  
COMMUNITY  
CENTRES  
+ **100** CENTRELINK  
OFFICES

**533** kWh/household  
**LESS  
POWER  
EVERY YEAR**

*It all adds up*



**120,000**  
**MEGAWATT**  
HOURS PER YEAR

**THOUSANDS  
OF HAPPY  
CLIENTS**

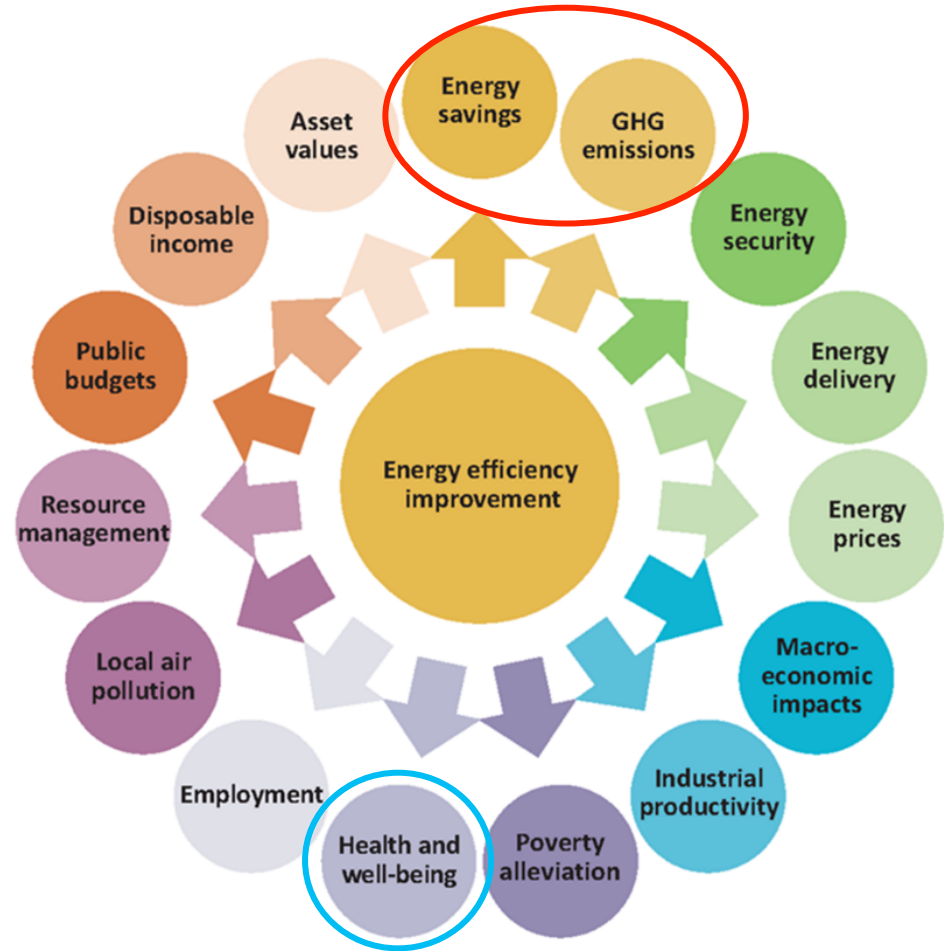


*"When we leave the  
house each morning, the  
kids now switch off the TV  
and the power point – even  
my 3 year old does it".  
Rita, Liverpool*

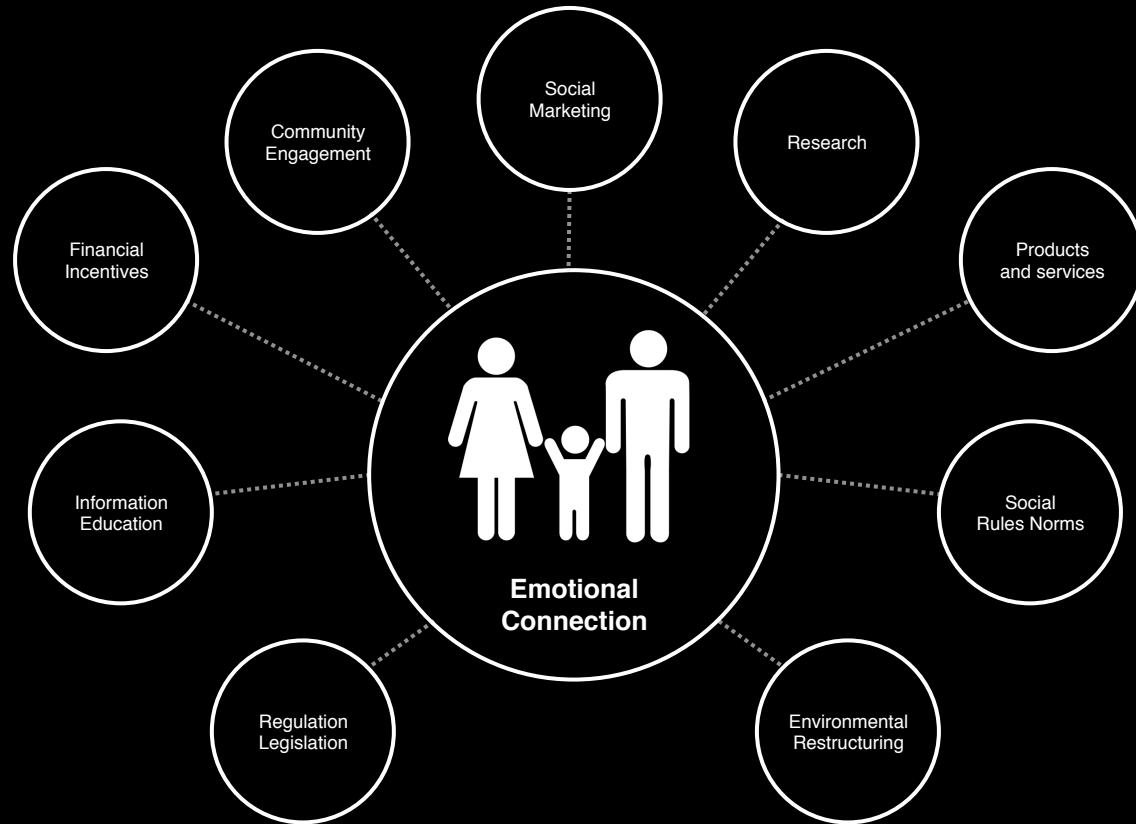
**DRIVING DOWN**  
THE COST OF LIVING

# International Energy Agency's multiple benefits

15 categories for multiple benefits  
– at the household, system and economic levels.



# SYSTEMS APPROACH





# COMMISSIONER'S FOREWORD

## FRAMEWORK FOR THE VICTORIAN 2018 SoE REPORT



The 2018 Report “... will report on climate change impact and adaptation indicators and will align with international frameworks [including] the new UN Sustainable Development Goals.

By showing a nexus between environmental, economic and social outcomes it will help identify integrated policy solutions and responses.”

Framework for the Victorian 2018 State of the Environment Report:  
**State and Benefit**



# METHODOLOGY

- an iterative process
- holding a learning mindset
- co production
- co design
- co-dissemination of knowledge around the SDGs and State of the Environment reporting



# Key points from the project:

- Government – community partnerships will be critical to success
- Cross subsidies and redistribution are at the heart of the SDGs
- Must look at the links between targets
- Reporting and monitoring around the SDGs can be used to drive and adaptively manage policy coherence - “if there is no overarching policy then we may as well all go home.”



**Michael Reid**

Managing Director at The Keyline Group

3w

...

Co-creation and co-dissemination of knowledge implementing the Sustainable Development Goals in State of the Environment reporting in Victoria. Impactful partnerships on display operationalising this complex agenda!



**Victoria takes the lead applying the Sustainable Development Goals for...**

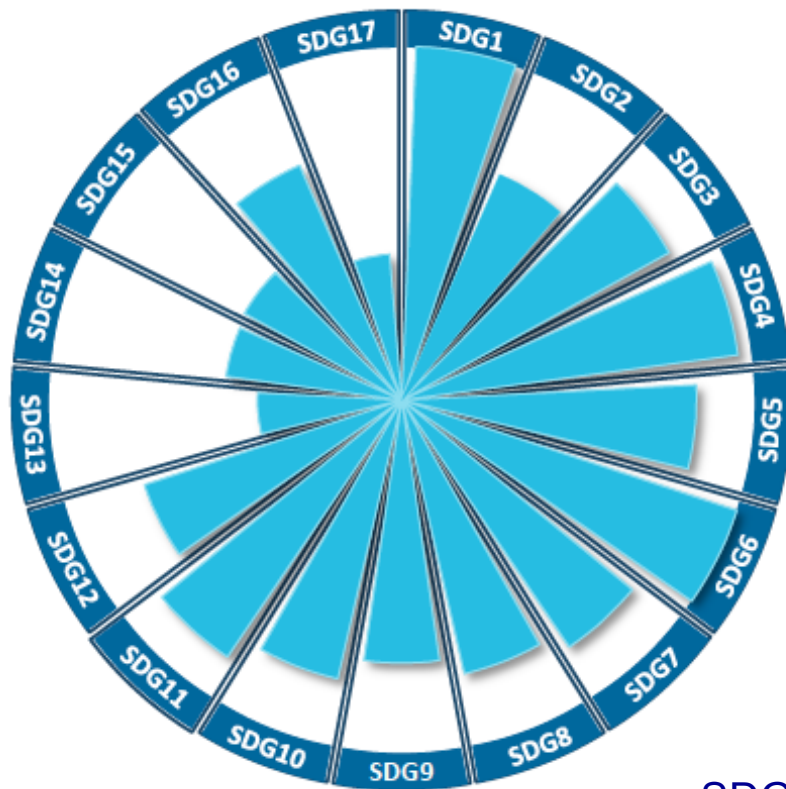
Gillian Sparkes PhD MBA FAICD on LinkedIn



Commissioner  
for Environmental  
Sustainability  
Victoria

# SUSTAINABLE DEVELOPMENT GOALS BASELINE REPORT FOR AUSTRALIA

# Australia's SDG Performance



SDG Index 2016

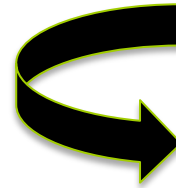


## Nomenclature:

**Goals**



**Targets**



**Indicators**

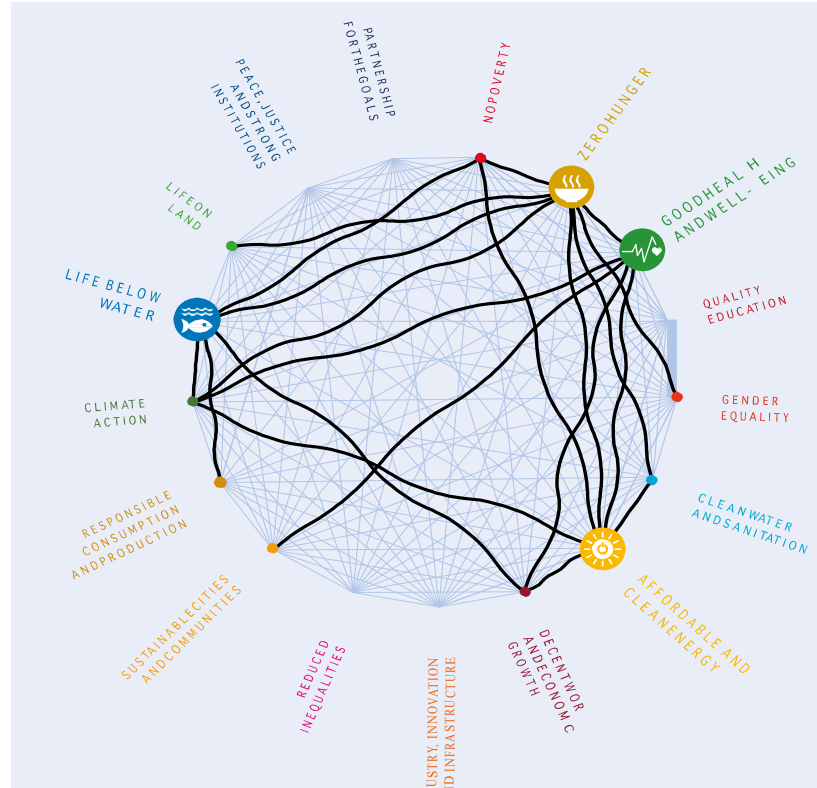
Clause 55 of the 2030 Agenda Declaration at the UN states:

“The (SDG) targets are defined as aspirational and global, with each government setting its own national targets guided by the global level of ambition but taking into account national circumstances.”





# INTERACTIONS BETWEEN GOALS



# Interactions Air-Pollution



## 7 Energy Efficiency:

7.2.1 Renewable energy share in the total final energy consumption



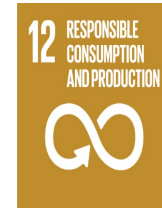
## 3 Health:

3.4.1 Mortality rate attributed to chronic respiratory disease



## 13 Climate change:

13.2. NEW Greenhouse gas emissions, total



## 17 Partnerships for the Goals:

17.14.1 Policy Coherence

17.16.1 Multi stakeholder Partnerships



# Australia SDG Baseline



## Sustainable Development **GOALS** Transforming Australia



[sdgtransformingaustralia.com](http://sdgtransformingaustralia.com)





**The Sustainable Development Goals (SDGs)** are a set of goals and targets, agreed by all countries to make the world a better place by 2030.

The **SDG Transforming Australia Project** provides key information about how Australia is progressing towards achievement of the SDGs. If Australia is to reap the benefits of the SDGs, we need to track progress in implementing them.

The **National Sustainable Development Council** brings together broad expertise relevant to the SDGs. The Council has undertaken the task of providing baseline data on Australia's performance as a resource to promote informed debate about Australia's opportunities and challenges.

A preview of the SDG Transforming Australia Project has been prepared for the Australian Sustainable Development Goals Summit 2018. Summit participants are invited view the online report and provide feedback at [sdgtransformingaustralia.com](https://sdgtransformingaustralia.com)

The SDG Transforming Australia Project is an initiative of the National Sustainable Development Council delivered in partnership with the Monash Sustainable Development Institute (MSDI) and the Sustainable Development Solutions Network (SDSN) Australia/Pacific.

We acknowledge funding support from the Lord Mayors Charitable Foundation and the Australian Council of Superannuation Investors



**Target 2030**



# CASE STUDY: CANADA

Table 2. Summary of Canada's status on domestic SDG indicators

Sustainable Development Goal	Moving backwards	Breakthrough needed	Acceleration needed	On track
1 Poverty		•	•	• • •
2 Hunger & food systems	• • •			
3 Good health & well-being	•	• •	• • • • • •	• • •
4 Quality Education	• •	•		• • •
5 Gender equality	•	• • • • • •		
6 Clean water & sanitation	• •	• •	•	
7 Affordable & clean energy	•	•	•	•
8 Decent work & economic growth		• •	•	•
9 Industry, innovation & infrastructure	•	• •		
10 Reduced inequalities	•	•		
11 Sustainable cities & communities	• • •			•
12 Responsible consumption & production		• • •		
13 Climate action		•		
14 Life below water	•		•	• •
15 Life on land		• • •		•
16 Peace, justice & strong institutions	• •	• •	•	• •

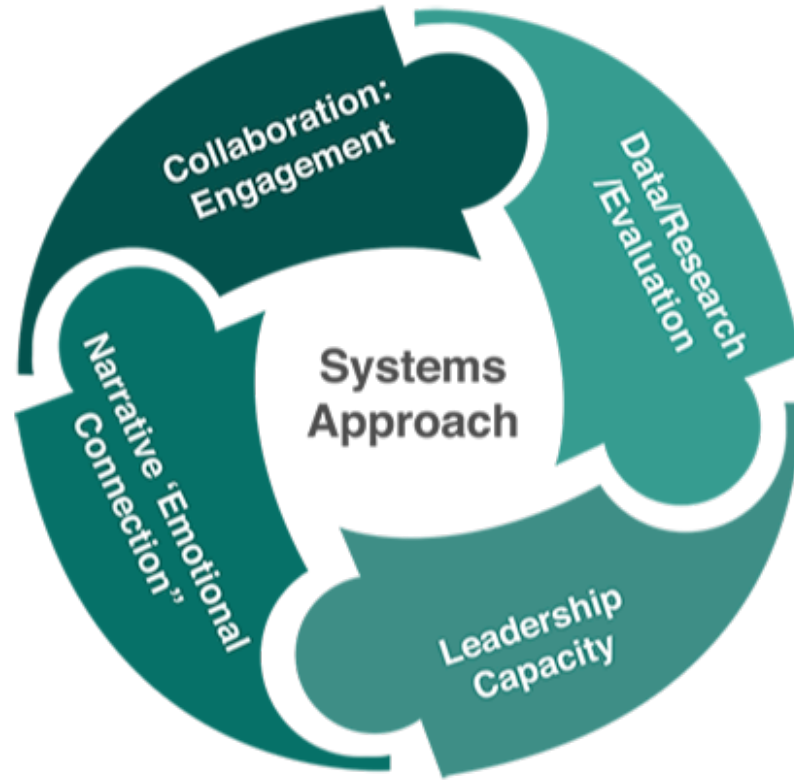
## **Tools: New ways of working**

The evidence and tools energy efficiency policymakers need if they are to engage with Business, Government and Civil Society to make a compelling case for Energy Efficiency



**Four interrelated quadrants that require a high degree of capability in order to make progress:**

1. Leadership skills in order to work effectively;
2. A cohesive narrative creating an emotional connection and shared understanding of purpose;
3. Collaboration: purposeful ways of engaging;
4. Data, research and evaluation to create an evidence base





**Michael Reid**

Managing Director at The Keyline Group

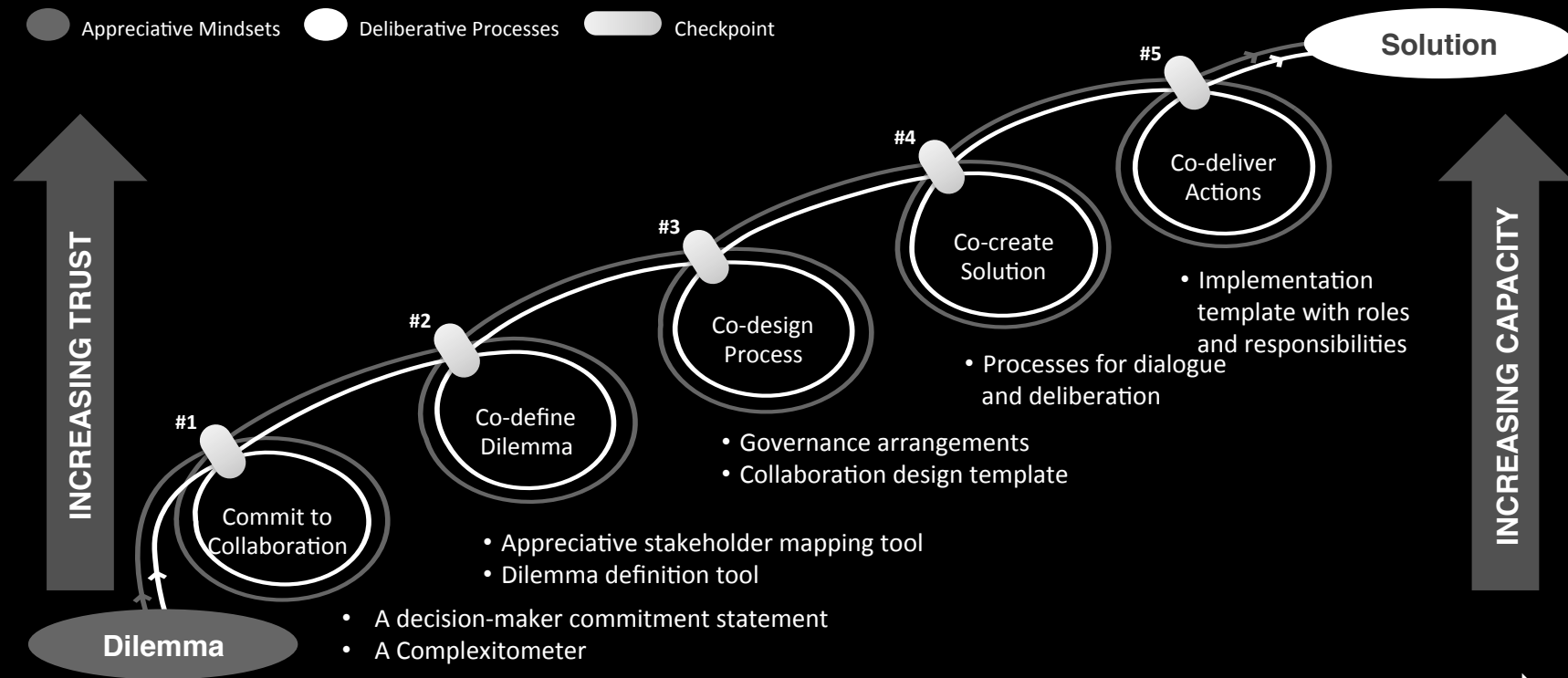
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### #AusSDGs

"Sustainable Development Goal 17 is the most important as we require a wholistic approach that can only be achieved through partnerships." Rod Fehring - Frasers Property Group.



● Appreciative Mindsets    ● Deliberative Processes    — Checkpoint



**BUILD READINESS • BUILD RELATIONSHIPS • BUILD CAPABILITY**

**APPRECIATIVE  
MINDSETS**

+

**DELIBERATIVE  
PROCESSES**

=

**ENDURING  
SOLUTIONS**

## **Leave no one behind: Data disaggregation**

“Sustainable Development Goal indicators should be disaggregated, where relevant, by income, sex, age, race, ethnicity, migratory status, disability and geographic location, or other characteristics, in accordance with the Fundamental Principles of Official Statistics.”

General Assembly resolution 68/261

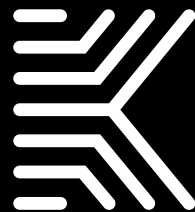


## To maximise the transformative potential:

- strengthening effort in each of the four quadrants, particularly the narrative and knowing 'why?' multiple impacts are being measured
- engage widely and seek partners from outside of the 'usual suspects'. as others have key expertise and information
- actively foster a culture of transparency, trust and collaboration
- Partner authentically with business, government and the community
- Map policy and programs to a system checklist - such as the United Nations Sustainable Development Goals
- Maintain a learning mindset







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THANK YOU

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