

# AM - THE GAME PLAN

## Staying Fit and Nimble

Proudly presented by IPWEA

**VIBRANT  
FUTURES  
SOLID  
FOUNDATIONS**

International Public Works Conference  
HOBART • TASMANIA • 25-29 AUGUST 2019

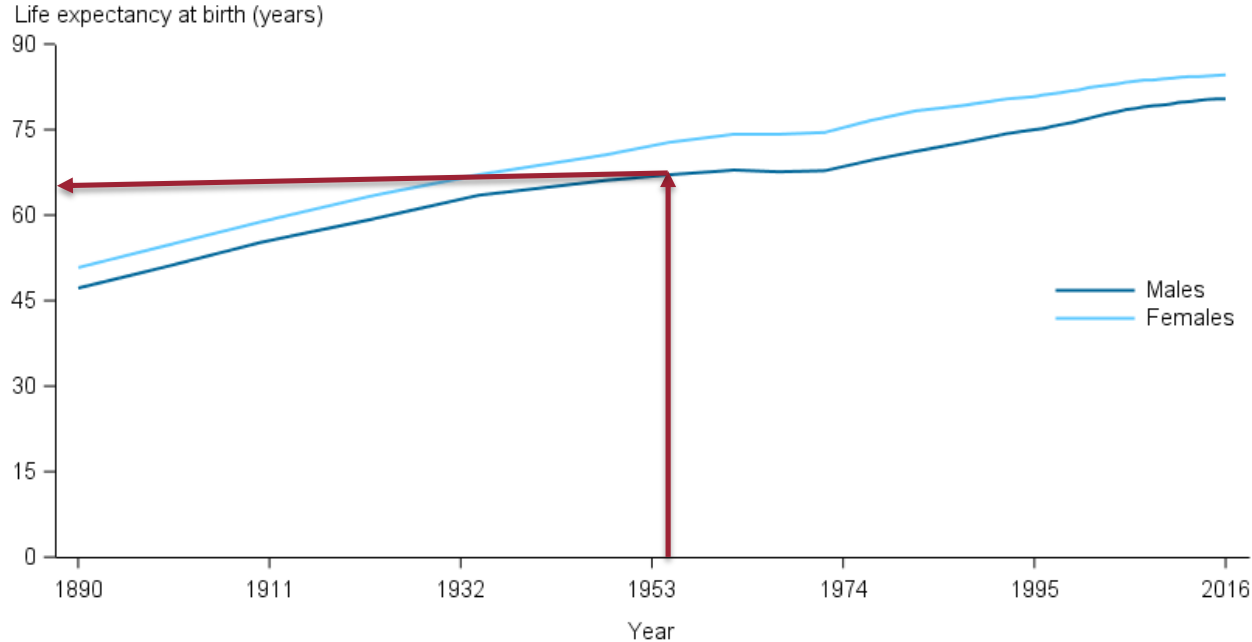
Murray Erbs  
IPWEA – Chair NAMS Council  
[murray.erbs@ipwea.org](mailto:murray.erbs@ipwea.org)



**IPWEA**

INSTITUTE OF PUBLIC WORKS  
ENGINEERING AUSTRALASIA

## Born in 1954 I had a Useful Life of about 67 Years and at current 64 Years of age a RUL of 3 Years



Sources: ABS 2014a; ABS 2014b; ABS 2015;  
ABS 2016; ABS 2017 ([Table S6.1](#)).

Now I'm told I can expect to live 77 - does that mean a RUL of 13 Years?

What is your RUL?

Age (years)	Males 1881– 1890	Males 1960– 1962	Males 2014– 2016	Females 1881– 1890	Females 1960– 1962	Females 2014– 2016
0 (birth)	47.2	67.9	80.4	50.8	74.2	84.6
1	54.3	69.5	80.7	57.4	75.5	84.8
15	59.5	70.1	80.9	62.5	76.0	85.0
25	62.1	70.8	81.2	64.7	76.3	85.1
45	68.0	72.4	82.1	70.6	77.4	85.6
65	76.1	77.5	84.6	77.3	80.7	87.3
85	88.9	89.1	91.2	88.9	89.8	92.3
95	97.2	97.3	98.0	97.3	97.6	98.3

Sources: ABS 2014a; ABS  
2016



## “Staying Fit and Nimble”

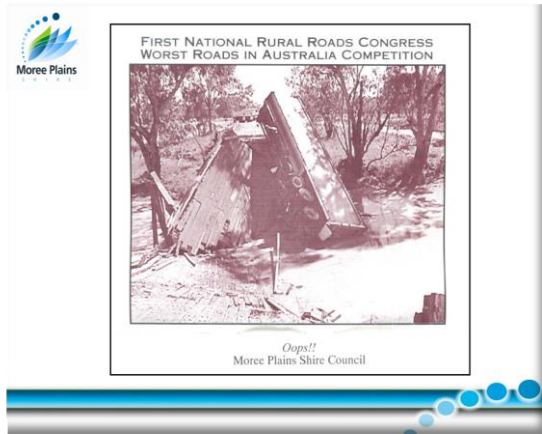
- *the need for Asset Management Strategies to be both current and resilient.*
- *outline the benefits of a framework that allows innovation and stays aligned to both essential and desired services.*
- *IPWEA recognises that it must also take the time to rethink, renew, refresh, reshape and where necessary redesign the message for Asset Management.*



## Brief Recap on Conference AM Messages



# A Reflection



## 2000 Congress Communique

### Principle Points

1. Develop a new national model for funding strategically important roads
2. Examine and consider alternative funding sources in the private sector
3. Develop a data and statistical base



## Tenth Congress Scorecard

1. We now have limited statistical data
2. Sustainability of **Local Roads** has not been adequately addressed
3. We continue to extend without looking after what we have.
4. **R2R** has been good but in reality has had little impact on the backlog and does not address sustainability



## What would the 2019 Scorecard Say?

- I suspect much the same
- However we are still all here!
- Time to move on from saying “backlog”
- Lets get the community more involved.





# What are we doing about CULTURE

Change requires  
Communication

Change  
Curve Model

Kotter's Eight  
Phases of  
Change

The Johari  
Window

The McKinsey  
7S Framework

The Burke-Litwin  
Change Model

Levitt's  
Diamond

Lewin's Three  
Stage Change  
Model

The ADKAR  
Change Model

Bridges'  
Transition  
Model



Circa 1993



Circa 2019





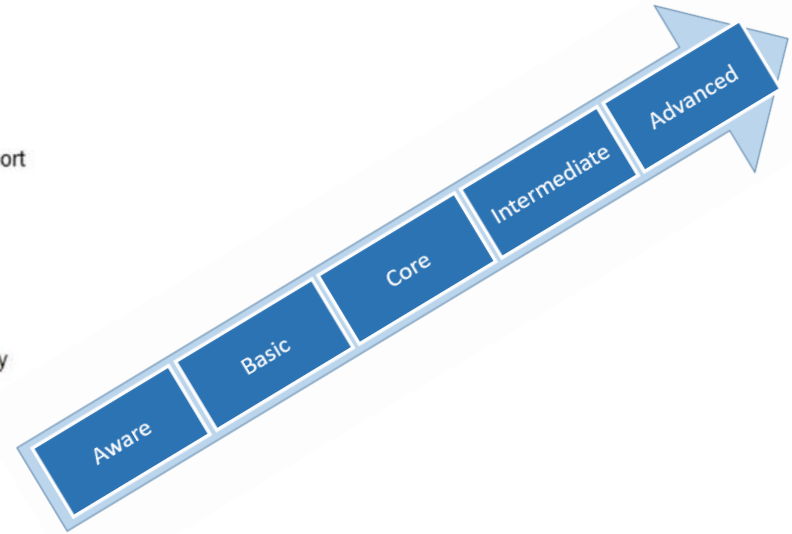
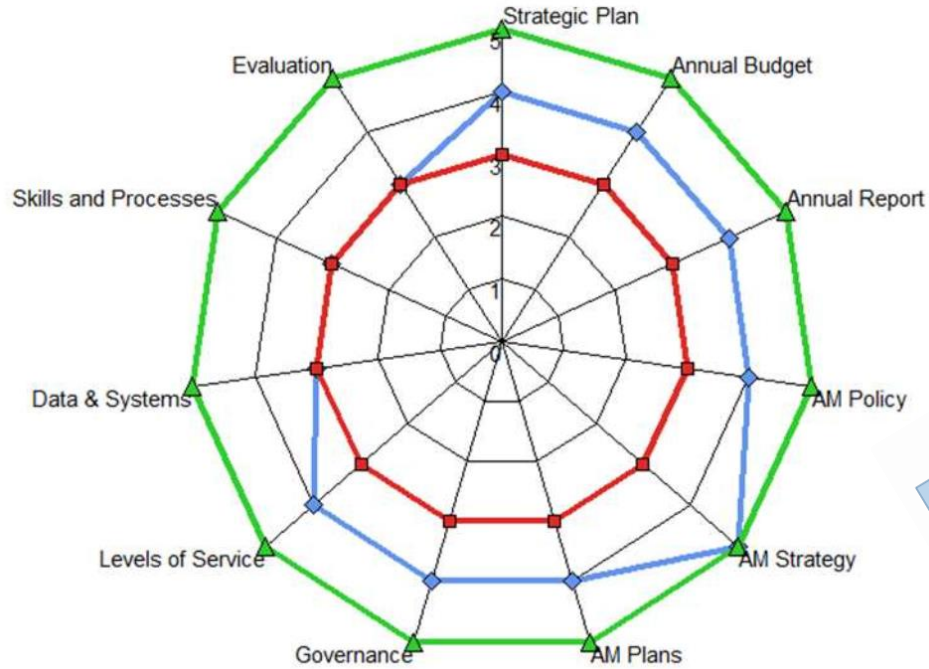
# The Reality



# Enjoy the Journey

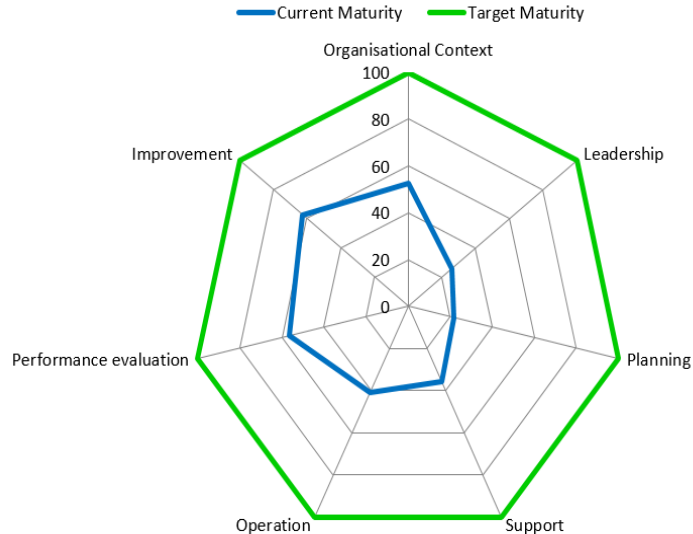


# National Asset Management Assessment Framework (NAMAF)



# IPWEA has developed ISO 550001 self-assessment Maturity Framework

## ISO 55001 Maturity Assessment Objective - Improve Maturity (blue -> green)



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# We have aligned Terminology



**Australian Government**

**Australian Accounting  
Standards Board**





**One of the keys to FAILURE is assuming that a very high level of data detail is required before you start an asset management plan**



Get the outline right

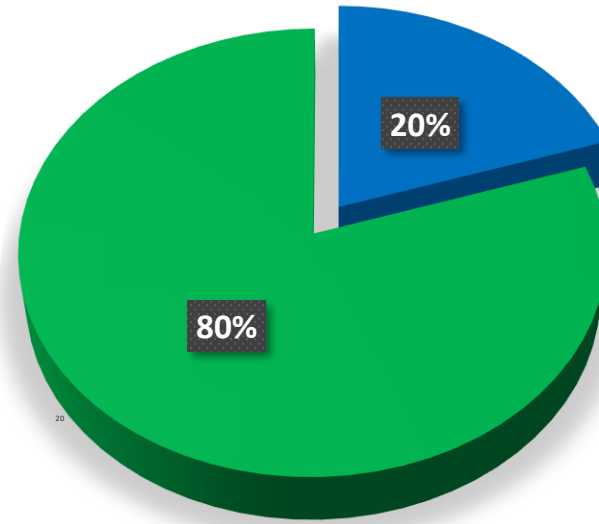


Add the colour



Fill in the detail

# Pareto Principle



20% of the input (time, resources, effort)  
accounts for 80% of the output (results, rewards)



## Recent IPWEA In-house Discussions



- What is Asset Management, the Key Outcomes, the Challenges and the Myths?
- Whose responsibility is it to manage assets?
- Who Wins from Good Asset Management?
- How does One Become Educated in Asset Management?



**Refresh  
Revise  
Rethink  
Redesign**



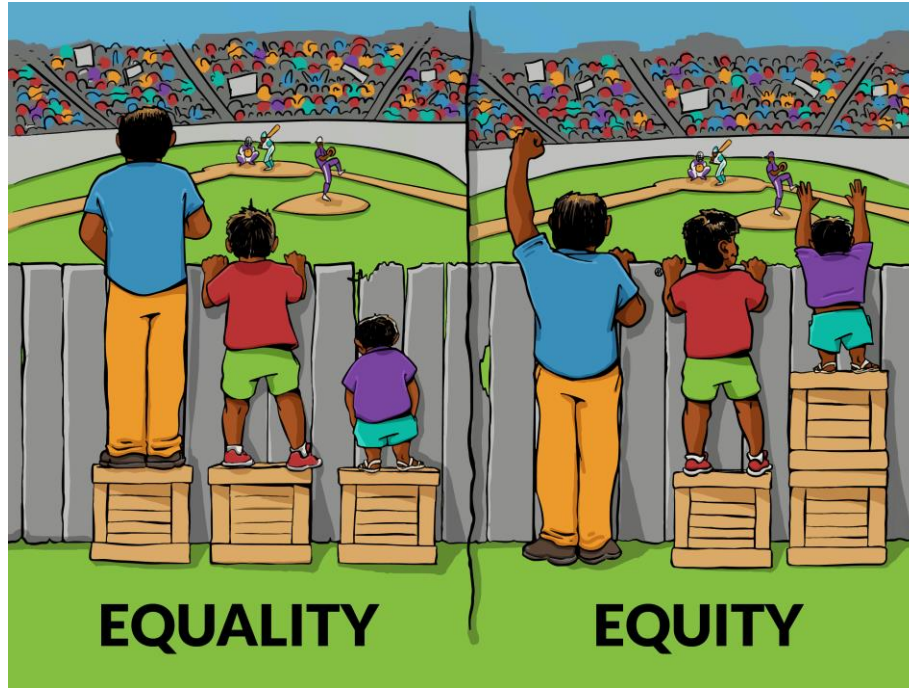
**Workshop – Sydney 16<sup>th</sup> Sept**



## Thoughts to leave with you

- AM is not just an Engineering or Finance Function – it is a **“Whole of Organisation”** responsibility, should be **lead by the Executive Team and open for the Policy Makers and Community to understand.**
- AM requires a **“Change Management”** approach
- **“Keep it simple”** and don’t get bogged down on detail when the “big picture” will tell the story
- Finance, Planning and Operational Staff need to have good **communication**
- **There are many good tools out there.** You don’t need to develop all your own “in-house”
- Good AM is about **sharing for continuous improvement** and efficiency in providing **services to our Community**





Source: "Interaction Institute for Social Change | Artist: Angus Maguire."  
[interactioninstitute.org](http://interactioninstitute.org) and [madewithangus.com](http://madewithangus.com).



## Political Reality





**Fit and Nimble**

**Thank You**