

# Sustainable Management of Community Infrastructure


Chris Champion, CEO

Institute of Public Works Engineering Australia



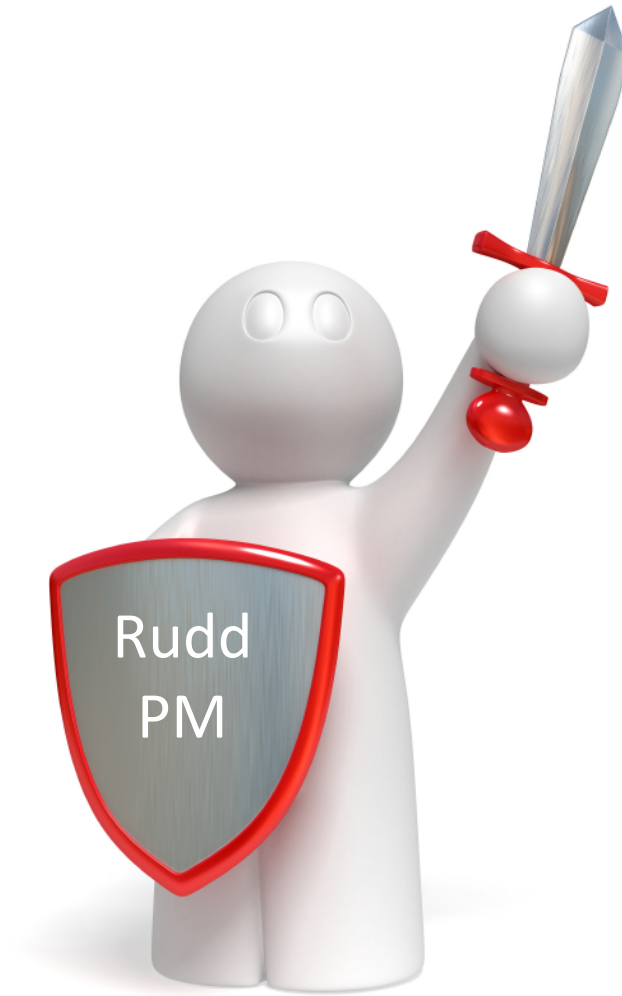
Across the nation, infrastructure is  
under strain





There are solutions  
in local government  
to share today

PM has challenged local government  
to sustainably manage infrastructure





The goal is to deliver sustainable  
levels of service that the community  
comes to expect





Work within  
a national  
framework

to



Provide the  
tools

to  
increase



Add some  
drivers!



*Firstly*

All working to a  
nationally  
consistent  
framework



# LGPMC has endorsed 3 national LG sustainability frameworks



Criteria for  
assessing  
sustainability



Asset  
planning &  
management



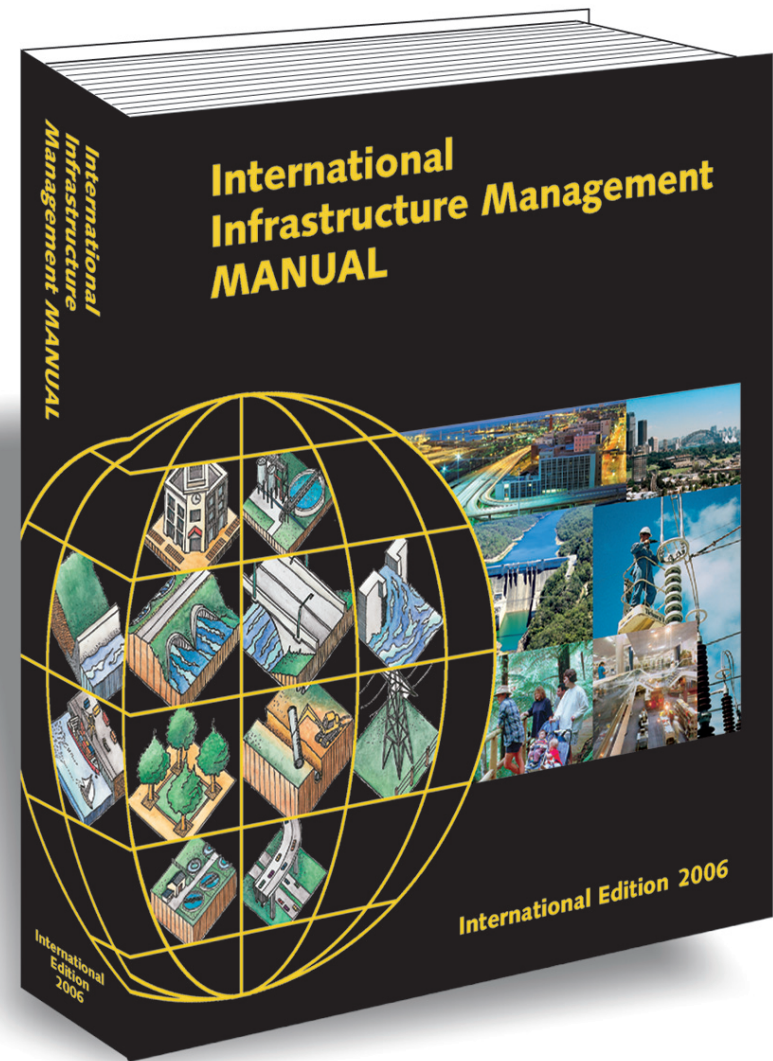
Financial  
planning &  
reporting



IPWEA is putting  
the flesh on the  
bones



# International Infrastructure Management Manual (IIMM)





# Australian Infrastructure Financial Management Guidelines



Institute of  
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Engineering  
Australia



## AUSTRALIAN INFRASTRUCTURE FINANCIAL MANAGEMENT GUIDELINES



Version 1 – 2009

# Practice Notes: Condition Assessment

*Paths, Kerbs,  
Buildings*





Be among the first to study an exciting new program!

## Graduate Certificate in Infrastructure Asset Management

Study Period 2, 2009 (Jun-Nov)

Accredited by the University of Tasmania, this new program has been jointly developed by the Institute of Public Works Engineering Australia (IPWEA) and CPEE to meet the need for enhanced technical skills in the field of public works Infrastructure Asset Management.

It will provide today's Infrastructure Asset Management Specialist with the opportunity to expand their skills and knowledge, and gain recognition with a University postgraduate award.



Institute of  
Public Works  
Engineering  
Australia

The course has as core units:

- Asset Management Fundamentals
- Asset Management Practices^

^unit available in Study Period 1, 2010

The range of electives includes:

- Project Evaluation
- Engineering Risk Management
- Financial Management



Centre for Pavement  
Engineering Education



**Like to know more?**

Go to -

[www.ipwea.org.au/GradCertIAM](http://www.ipwea.org.au/GradCertIAM)



The States have committed to  
accelerate implementation



*Secondly*

Provide the tools  
...to integrate the  
technical, the  
financial &  
community



## Key Element 1 - Stewardship

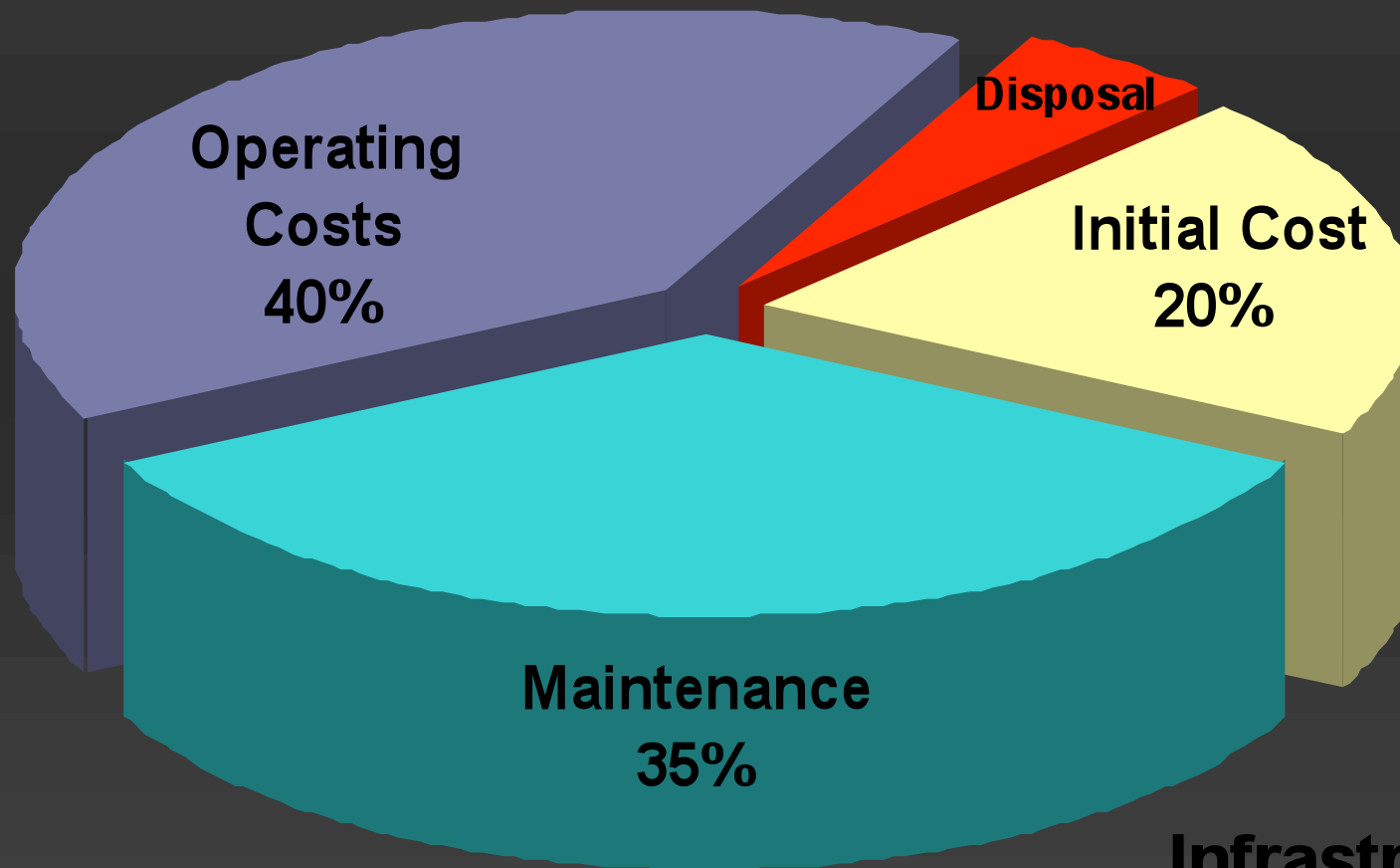
Elected members  
need to  
understand their  
stewardship  
responsibilities





Decaying  
infrastructure  
leaves a  
liability for  
future  
generations

There is a need to comprehend  
whole of life cost



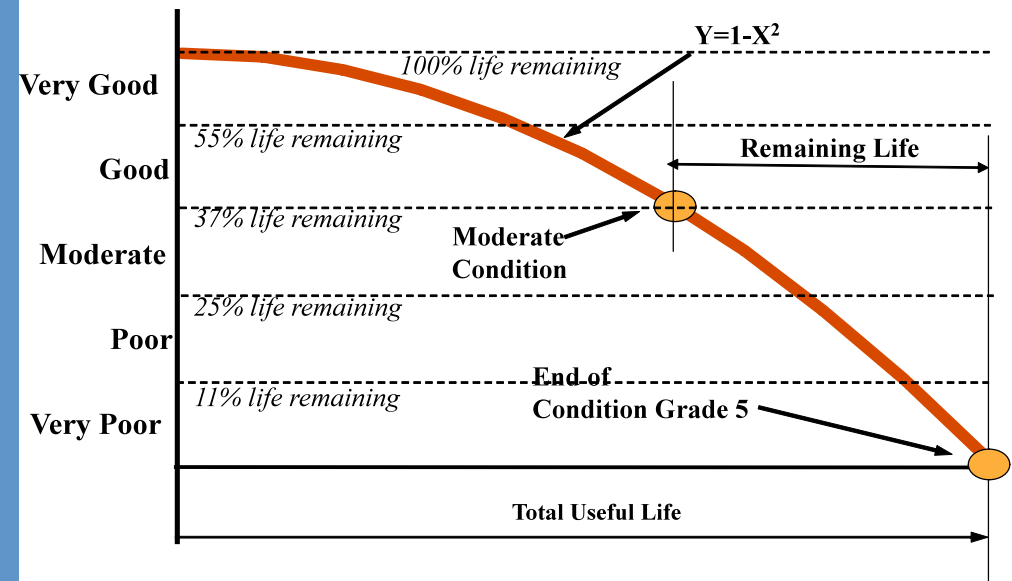
**Infrastructure Assets  
Typical Life Costs**

What are the risks & funds required  
to sustainably manage infrastructure?



We need to plan & manage existing infrastructure as well as new

## Key Element 2 – AM planning



- ☐ What do we own?
- ☐ What condition is it in?
- ☐ When do we need to intervene?
- ☐ What is the cost of intervention?
- ☐ Aggregate for the network



AM plan workshops to up skill staff



# Templates, guides & online modelling



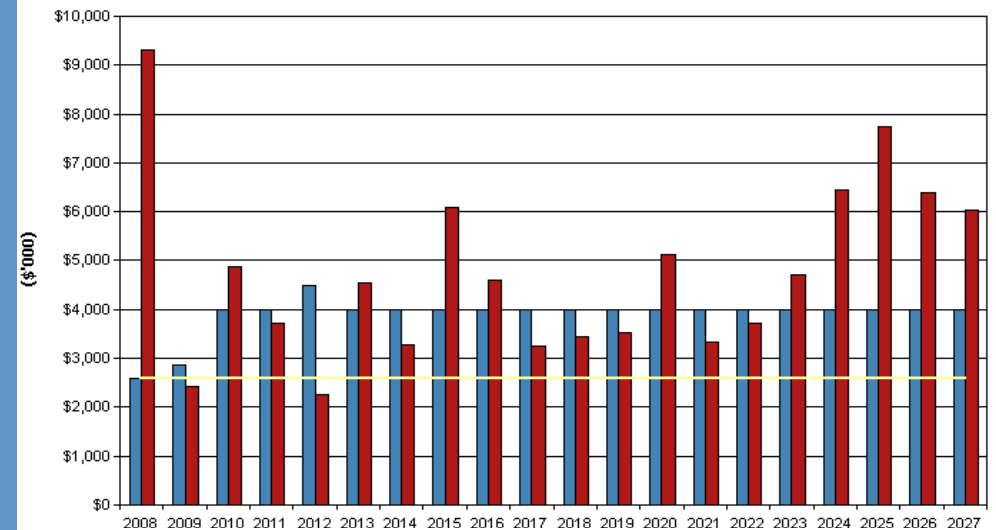
# Communities of practice to network peers



Sustainable  
financial  
management  
needs to be an  
essential part of  
business

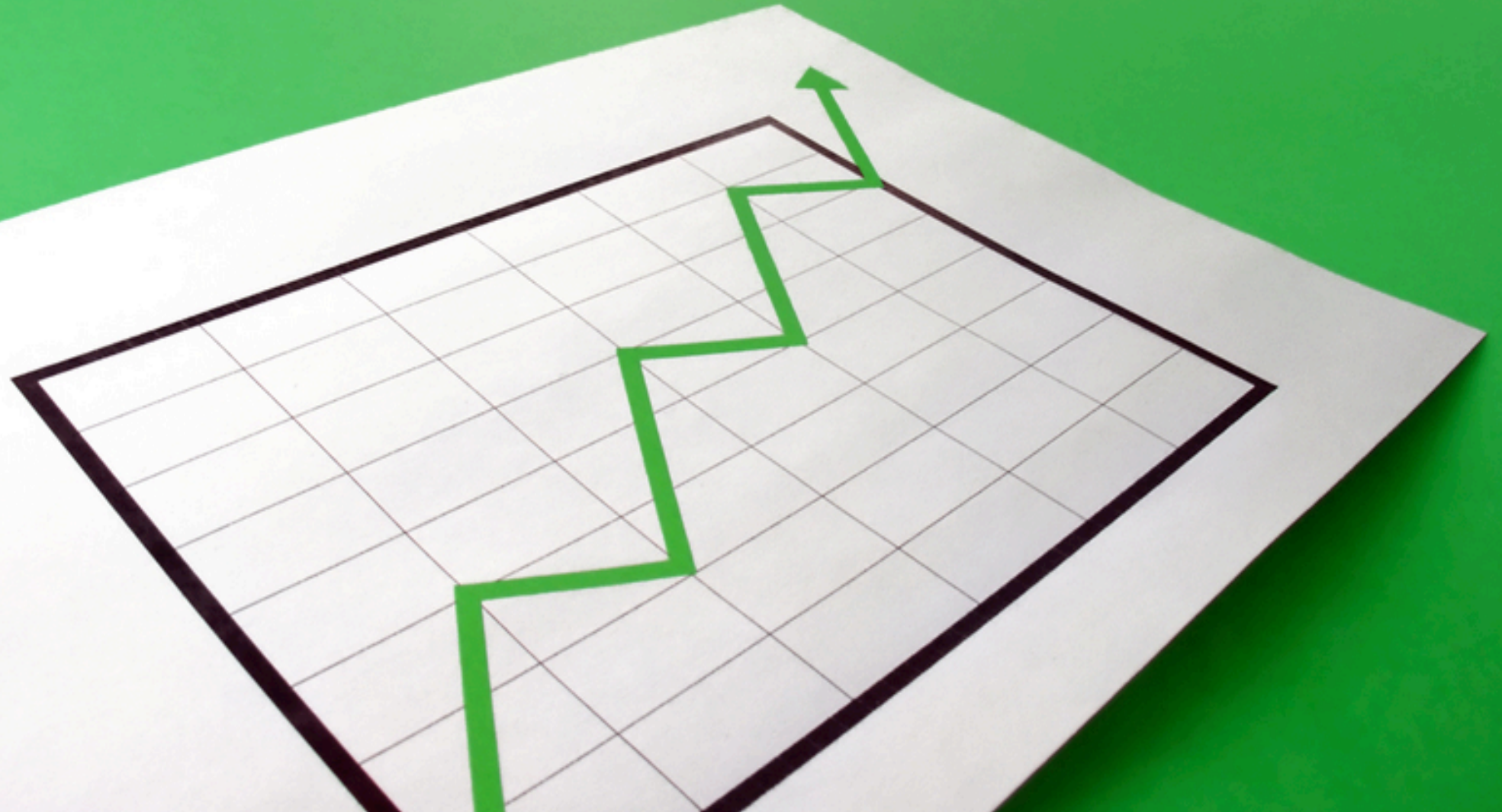
## Key Element 3 – LTFP

Sample Council - Projected & Planned Renewals and Current Renewal Expenditure (Roads\_DKH)





Move from annual budgeting to long term financial planning





Make the link between  
levels of service and price



Manage the gap  
(not just funding the gap)



*Thirdly*  
Put some drivers  
in place





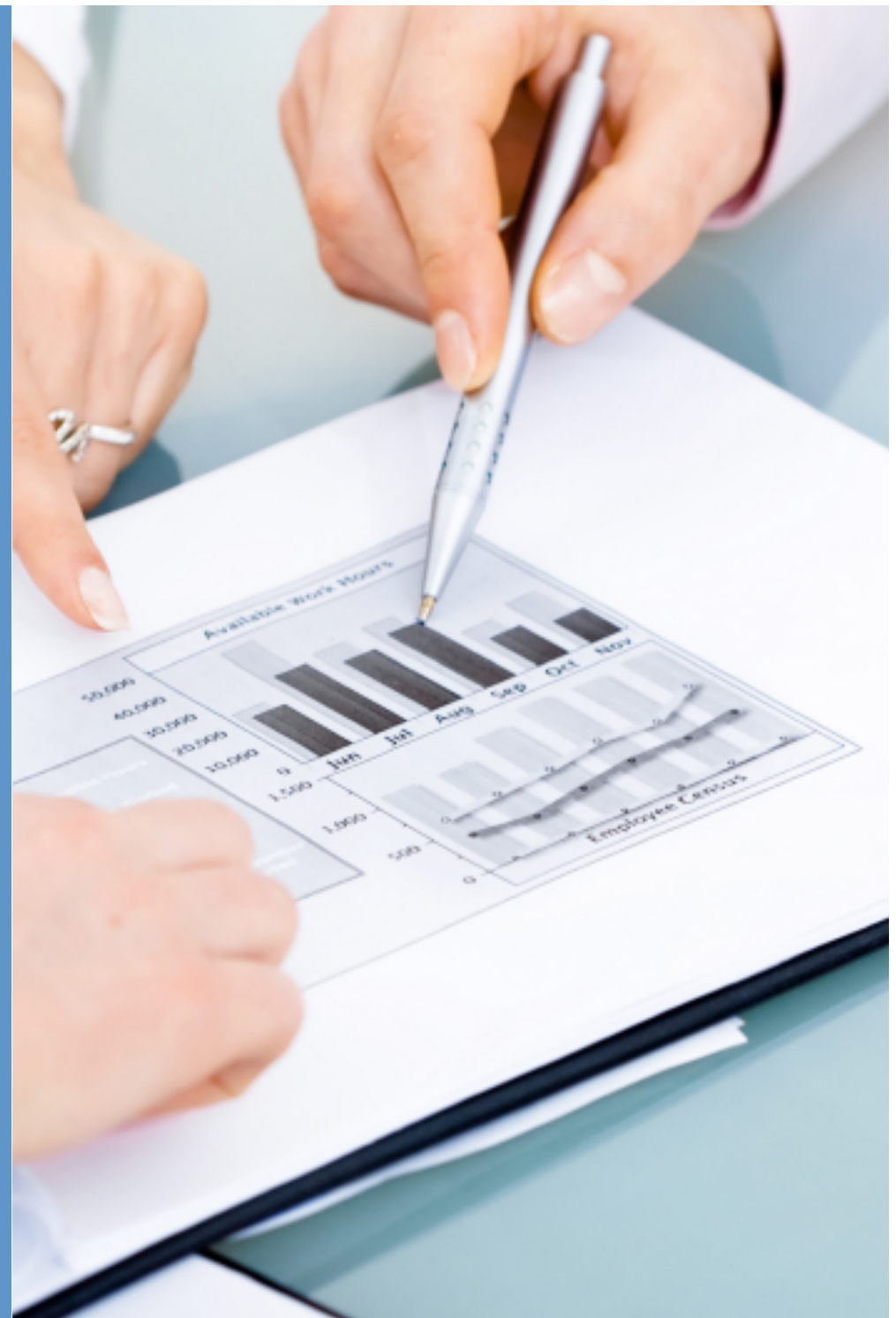
Legislate to  
require long term  
financial planning



Put incentives in  
place tied to  
financial  
assistance



Require reporting  
of financial  
sustainability  
indicators

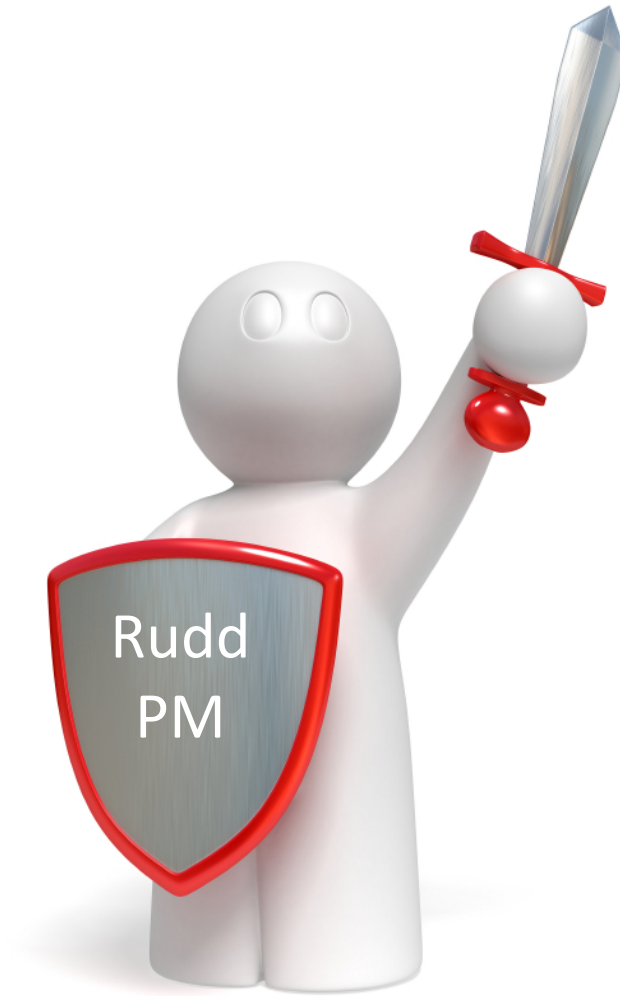




Work to a national framework  
Implement 3 actions to  
Provide the tools  
Add some drivers!

# Foundation for sustainability

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to sustainably manage infrastructure





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levels of service that the community  
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MELBOURNE AUSTRALIA  
6-10 SEPTEMBER 2009

## International Public Works Conference

Global challenges, local solutions  
Delivering for the next generation

IFME World Congress on  
Municipal Engineering

# Melbourne, Australia

**Registrations Now Open**  
[www.ipwea.org.au/melb2009](http://www.ipwea.org.au/melb2009)

INCORPORATING 16<sup>TH</sup> WORLD CONGRESS ON  
MUNICIPAL ENGINEERING

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