

nams.au update

May 2012

NATIONAL ASSET MANAGEMENT STRATEGY COMMITTEE Institute of Public Works Engineering Australia

REPORT & DECISIONS

of meeting 19 May 2012

1. NAMS.AU Membership

Andrew Llewellyn from Gold Coast City Council has retired as NAMS.AU Queensland representative. Andrew has been a very positive contributor to NAMS.AU over the past 5 years. David Braby also from Gold Coast City Council has been appointed as the new Qld representative.

2. Australian Infrastructure Financial Management Guidelines

The Australian Infrastructure Financial Management Guidelines are a project of IPWEA working in association with the National Local Government Financial Management Forum. The Guidelines have been well received with over 600 copies purchased to date. Copies are available at www.ipwea.org.au/AIFMG.

3 Updates of the Guidelines are now available. Update No. 3 May 2012 covers 78 pages and is available as a pdf download from www.ipwea.org.au/AIFMG. Nine (17 to date) *Infrastructure Financial Management* courses based on the Guidelines have been held in March/April 2012. Feedback was positive from attendees.

NAMS.AU resolved to:

1. Investigate the need for an infrastructure audit awareness roundtable to identify any infrastructure audit issues and whether the AIFMG and IFM training can assist.
2. Investigate the holding of an industry briefing on infrastructure asset management and financial management in Brisbane in partnership with the Qld consultant supporters group.
3. Support the sale of the AIFMG Quick Guide as a separate document
4. Review the current AIFMG format and page numbers for the next reprint.

3. Asset Management Plan Preparation Training – NAMS.PLUS

324 Councils in Australia are now part of the NAMS.PLUS program. Feedback at the training workshops continues to be very positive. The NAMS.PLUS training has been shortened to 3 days and incorporates the AM4SRRC Practice Note training. It requires attendees to complete templates and download graphs and reports to develop a 'first cut' AM Plan over the 3 days.

The beta NAMS.PLUS2 templates and modelling incorporating research and development of the Asset Management for Small, Rural or Remote Communities Practice Note is to be tested at NAMS.PLUS training courses in May. NAMS.PLUS2 will be released in July 2012.

NAMS.AU resolved to adopt the following 1 – 5 condition grading to resolve difference between grading descriptors in the IIMM 2006 and IIMM 2011.

NAMS.PLUS and NAMS lite Condition Grading

Condition Grading	Description of Condition
1	Very Good: only planned maintenance required
2	Good: minor maintenance required plus planned maintenance
3	Fair: significant maintenance required
4	Poor: significant renewal/rehabilitation required
5	Very Poor: physically unsound and/or beyond rehabilitation

4. Asset Management for Small, Rural or Remote Communities – AM4SRRC

Two copies of the AM4SRRC Practice Note were made available to small councils (less than 5,000 population) free of cost by the Australian Centre of Excellence for Local Governments through IPWEA. 524 copies have been distributed/sold. The 2 day AM4SRRC training course has been rebranded as **NAMS lite** and incorporated into the 3 day NAMS.PLUS2 training course.

IPWEA was contracted to run a second pilot of NAMS *lite* in Regina Saskatchewan, Canada in Nov-Dec 2011. The visit includes 4 presentations to the SK Public Service Commission and the City of Regina. A third round is planned for June 2012 for 8 communities in Saskatchewan and 5 cities and 1 community in British Columbia. This will include an IFM course in SK and presentation to the City of Humboldt Chamber of Commerce.

IPWEA trainers John Howard and Allen Mapstone were interviewed for an AM awareness video prepared for the SK Ministry of Municipal Affairs. The video covers 4 chapters and is available on the IPWEA NAMS.AU web site at www.ipwea.org.au/CanadianVideos.

5. Long Term Financial Plan Practice Note

The Long Term Financial Plan Practice Note No. 6 authored by John Comrie, was published in March 2012. The Practice Note will assist councils develop long term plans based on the Australian Infrastructure Financial Management Guidelines. A hard copy of the Practice Note is available from IPWEA for (\$55 + GST) and a pdf version (free) from the NAMS.AU web site. The LTFP PN includes a simple LTFP model spreadsheet. 130 copies have been sold in hard copy have been sold but a further 2,000+ PDF copies have been downloaded.

A new one day workshop based on the LTFP Practice Note 6 commenced in regional NSW as part of the LGRF program. It is currently being conducted in 9 NSW locations finishing in Sydney on 17 May. Over 150 registered the workshops in NSW. The feedback has been very positive. The National Round of LTFP training will commence in Queensland in August.

6. Building Condition Practice Note

416 copies of the Building Condition Practice Note No. 3 have been sold. Training courses for the 2 day Building Condition Practice are scheduled for September/October 2012. The training program will include Darwin.



7. Stormwater Drainage Condition Practice Note

199 copies of the Stormwater Drainage Condition Practice Note No. 5 have been sold. A one day training course on the Stormwater Drainage Practice Note No. 5 is being developed with the co-authors Alf Grigg Consulting and Pipe Solutions. This is scheduled for the capital cities in around October/November 2012.

8. Water & Sewerage Condition Practice Note

Peter Way presented at an Industry Awareness day hosted by Cardno in Brisbane mainly involving water sector practitioners and arising from that was a proposal for NAMS.AU and Cardno to work together to produce the Water and Sewerage Condition Assessment Practice Note.

A draft Scoping Document produced and agreed with Cardno was circulated to Qld and NSW Water Directorates, AWA and WSAA for comment or feedback prior to preparation of the PN. The aim is to complete this work by mid 2013.

NAMS.AU resolved to endorse the Scoping Document.

9. Road Condition Practice Note

A scoping document prepared by Peter Way, Leon Patterson and Mick Savage, Manager NSW Roads Directorate was presented to and endorsed by NAMS.AU.

10. Levels of Service and Condition Assessment Practice Note

A draft discussion paper prepared by John Howard on the Levels of Service and Community Consultation Practice Note was considered at the meeting.

NAMS.AU resolved to:

1. Modify and finalise the draft discussion paper for first review,
2. Invite suitable persons to be part of a reference group to be involved in the development of the Practice Note.

11. Practice Notes Program

Future Practice Notes have been identified to cover:

- Parks Management,
- Data Management,
- Street Tree Management,
- Marine and Waterways Structures,
- Natural Assets/Waterways,
- Disaster Management.

12. Asset Management Study Tour to New Zealand

Planning is now underway for our next Study Tour to be held in November 2012 with the International Advanced Asset Management Conference to be held in Auckland. The Tour will focus on visits/meetings around the Auckland area. Major amalgamations in Auckland region should be bedded down by then and provide good case studies for participants.

Advice has been circulated to the various State Foundations and there is already strong interest for a number of sponsored positions

13. National Asset Management Competition (NAMie)

The National Asset Management Award for 2013 will be awarded at the Darwin International Public Works Conference. The NAMie is awarded biennially for the paper that best demonstrates the most significant contribution towards advancing AM within an organisation.

Persons able to demonstrate best practice in this area are invited to submit a paper and register for the Conference.

14. Tertiary Education in Asset Management

The IPWEA / CPEE / University of Tasmania's graduate certificate in infrastructure asset management has been expanded to a Graduate Diploma. It continues to be well supported with over 241 unit enrolments since 2009. IPWEA has developed two core asset management units based on the International Infrastructures Management Manual (IIMM). A third has been added based on the Australian Infrastructure Financial Management Guidelines (AIFMG). For further details and to lodge enrolments, go to www.ipwea.org.au/GradCertIAM.

There is an opportunity for people to assist students in tutoring for the Grad Cert and Dip. Anyone interested in becoming tutors should contact Peter Way at pway@ipwea.org.au

NAMS.AU resolved to liaise with Institution of Engineers Australia to aim to have Asset Management included in engineering university undergraduate courses through their course accreditation processes.

15. National AM Liaison – AM Peak Bodies

2 meetings of the Peak Bodies have been held since November 2011. Des Pearson (Chair) and Prof Jim Mathew of AAMCoG attended the May 2012 meeting and updated the meeting on their activities. An invitation was issued to them to become part of the Peak Bodies Group.

The Meeting provided opportunities to continue to share views on a range of topics including the ISO Standards development, accreditation and training for asset management practitioners, and the progress on establishment of a Global Forum on Maintenance and Asset Management.

16. IIMM Update

The 2011 Update of the International Infrastructure Management Manual published with NAMS NZ is available from <http://www.ipwea.org.au/bookshop/iimm/>.

Investigations are being held on options on how the IIMM could be distributed securely in an electronic form.

17. Asset Management Standard for Australia

Peter Way represents IPWEA on the Standards Australia's Mirror Committee set up to address Australia's interest in the development of an ISO Standard for asset management. This will incorporate

- ISO 55000 Asset management – Overview, principles and terminology
- ISO 5501 Asset management – Management systems – Requirements
- ISO 5502 Asset management – Management system – Guidelines on the application of ISO 5501

The third meeting of the International Standards Organisation Project Committee (ISO PC251) was held in Pretoria DC in February 2012

Two ISO Working Groups are developing the Working Drafts into Committee Drafts and there is good representation from the Australian Mirror Committee in leading a number of work teams reporting back through the larger Groups.

The value and importance of the IIMM continues to be highlighted as an adjunct to any ISO Standard and it is being referenced in the bibliography. We are attempting to get the AIFMG referenced also. It is clear that documents like the IIMM and AIFMG will be very critical to implementing the Standards and we should aim to capitalise on that.

Australian comments on the latest Committee Drafts have been collated for discussion at a Meeting of the Mirror Committee representatives in Perth on the 17th May. Peter Way will be seeking input and comment from the IPWEA's reference group on the drafts to ensure the Australian position is appropriate to Australian needs. Contact Peter for further information.

The next meeting of the PC 251 Committee is scheduled for Prague in June 2012 at which stage it is planned that the documents will progress to Draft International Standards for ballot.

18. National Asset Management Assessment Framework

The NAF Portal development is proceeding and will be available for data input by end of May. It is proposed to populate with data collected in the NAMS.PLUS maturity model in NSW and Tasmania as part of the LGRF program in those two states.

19. Local Government Reform Fund Progress

IPWEA is assisting the NSW and NT governments with professional development associated with the LG Reform Program. This includes elected member's awareness, NAMS.PLUS/NAMS *lite*, Infrastructure Financial Management and Long-Term Financial Planning courses.

20. National Professional Development Program

The 2012 national professional development program is available from <http://www.ipwea.org.au/AssetManagement/AboutNAMS AU/NAMSAustralia/>. Click on Education & Events and Upcoming Events to see the calendar.

21. Global Network of Asset Management Societies

The proposal for a gNAMS focussing on municipal and public assets has been adopted by the International Federation of Municipal Engineering (IFME) at its meeting held in Johannesburg in October 2011.

Chris Champion has been appointed convenor and the initial work will be to develop a simple strategic plan incorporating a vision, mission, objectives for gNAMS, and an initial Work Plan.

A paper has been prepared by Roger Byrne and Chris Champion for presentation at the IFME Triennial Congress being held in Helsinki in June 2012. This paper and presentation outlines suggestions for progressing gNAMS as an international FORUM.

22. NAMS.AU Corporate and Business Plan 2012/13 – 2014/15

The adopted NAMS.AU Corporate and Business Plan for 2012/13 – 2014/15 is available from <http://www.ipwea.org.au/AssetManagement/AboutNAMSOU/ObjectivesCommittee/>

STATE REPORTS

23. Queensland State Report

QLD State Government Requirements for Asset Management Plans

In August 2011 the Queensland State Government released version 2 of the Asset Management Advancement Program (AMAP) for 2011-12.

Version 2 of the AMAP extended the deadline for Councils to have core Asset Management Plans to 30 September 2011. Since then Councils have been working toward integrating and using their Asset Management Plans to underpin the 2012-13 budget process and the Long Term Financial Plan. The key driver for Council's at present is the following AMAP requirements:

"It is expected that whole of life costing, community planning and asset management planning will be introduced into local government budgeting processes by January 2012 in preparation for the 2012-13 annual budget.

Asset management plans must underpin the 2012-13 budget for Queensland local governments. For local governments that have not previously done so, the asset management plans will need to be formally adopted in conjunction with the formal adoption of the 2012-13 budget."

2. Local Government Reform Fund

LGAQ have provided the following update:

The Commonwealth Government has provided \$2.695 million to Queensland councils through the Advancing Asset in Local Government Project. The outputs of the project are intended to meet the Commonwealth Government's two main objectives (i.e. integration and collaboration) and will improve the capability of Queensland's local governments to manage their assets to provide better outcomes for local communities through management of assets, financial planning processes, and anticipating infrastructure needs.

The project's implementation plan included a program of activities to upgrade the asset management capabilities of a total of 61 Queensland councils, comprising 44 non-Indigenous local governments and 17 Indigenous local governments.

The LGAQ has delivered the project in partnership with the State Government. The project has promoted and accelerated the implementation of integrated asset and financial management systems through developing core asset management plans for key infrastructure assets. The program of activities has included:

- Measuring the asset management competence of each council;
- Developing action plans and core asset management plans (for key infrastructure assets) for each council and bringing whole of life costing, community planning processes and asset management planning into council budgeting processes;
- Developing the asset management skills of councillors and council officers; and
- Providing for specific activities, including the development of 10 year financial plans, targeted to Indigenous councils.

In addition to the above program of activities, the LGAQ has arranged and facilitated a series of regional asset management meetings, the main purpose of which is to provide attending councils an opportunity to discuss their asset management issues with each other. Officers from Department of Local Government and Planning (now Department of Local Government (DLG)) and QTC have also attended some of these meetings to discuss the financial sustainability legislation and its requirements. To date, 10 regional meetings have been held, 57 councils have participated and 144 officers (from councils, the LGAQ, DLG and QTC) have attended.

Current Status

The LGAQ has presented to the state government information to be included in the final project report to the federal government. The outcomes achieved have exceeded all of the milestones in the Project Implementation Plan.

The project will continue until the consultants have completed all of the required visits to the non-indigenous councils. In addition, other project activities that will continue until all of the approved funds have been spent include:

- Consultant visits to and support for the indigenous councils; and
- Further regional asset management meetings.

Progress of Queensland Local Government Reform Fund Steering Committee

IPWEAQ is represented on this Committee with Peter Way and Patrick Murphy, regularly attending. The following are highlights from the most recent meeting on 18th April 2012 which was also the final Meeting as the project has now concluded:

- The Advancing Asset Management Project Steering Committee Progress Report 18 April 2012 was tabled with the following points highlighted by the Project Manager:
 - 97% of Councils will complete their Assessment against the National Asset Management Assessment Framework (NAMAF)
 - An interesting list of priority actions for Councils arising out of the NAMAF process has been compiled. This provides a good snapshot for consideration of ongoing tasks that NAMS.AU can also consider.
 - The list is shown as **Attachment A** to this Report.
- The following Systemic Issues were observed during Consultant visits:
 - The lack of data and outdated/inaccurate data continues to be one of the predominant issues for many councils, plus the capability to collect, validate, maintain and manage the data.

- Staff turnover, which is creating a lack of continuity, particularly in the smaller councils.
- In some councils, assets are “managed to failure”.
- Limited resources, particularly in the smaller councils.
- QTC is continuing with Financial Model Training of Indigenous Councils
- The Project Manager advised that 406 Asset Management Plans have been completed by Councils and 267 are still being worked on. 11 have yet to be commenced. They indicated this total number completed, well exceeded what was intended under the Project.

LGAQ regional workshop program

The LGAQ outlined a proposal to conduct a regional workshop program for councils participating in the Advancing Assets Management Project. The workshop program would focus on developing the asset management skills of finance, engineering and community engagement officers of local government (Stage 3 of the Project Implementation Plan). Whilst project funding is available, the Project Manager will continue to regularly organise and facilitate these meetings at different locations around the state.

Common issues that have been discussed in the meetings include:

- The resources required to implement effective asset management programs;
- The ability to attract staff with asset management knowledge and experience to rural and remote, and mining councils; and
- Understanding the legislative planning and reporting requirements, particularly in regards to asset management.

Independent project evaluation report

- The final independent report of the project, undertaken by the Orion Consulting Network, is being completed for submission to the Commonwealth Government.

Project Wrap Up

David Dobbs thanked all for their involvement and proposed convening a further meeting in a few months time to discuss where to from here in terms of continuing to support Councils on their AM journey.

ADAC (Asset Design & As Constructed) Product Update

Adam Hain has provided the following update on behalf of the ADAC consortium:

IPWEAQ have further progressed the ADAC Data Schema. Since the November 2011 update the following activities have been completed:

- New ADAC data specification to be released soon with feedback from: Councils from the Eastern sea board and inland rural, Water Utilities and Road Utilities
- ADAC XSD files have been developed and are now provided free to all members as of 30 of April 2012
- New mind map on ADAC website for easy gap analysis between existing data structures
- There has been unprecedented national interest since endorsement from NAMS and inclusion in the IIMM

For more information on ADAC visit: <http://www.adac.com.au/>

SEQ Regional Asset Management Group Activities

The Regional AM Group has been meeting regularly, with three meetings in the past six months. Recently the focus has been on:

- Integration of the Asset Management Plan's and the Long Term Financial Plan to meet the requirements of AMAP.
- Integration of the AMP's and Capital Works Program's
- The approach to informing new Councilors on Asset Management Planning
- The ongoing development of a regional benchmarking project which encompasses age useful lives, unit rates and software/ systems information
- Preparation for the RAMG Conference to be held in September/ October
- How to track items in AM Improvement Plans
- Capital works prioritisation tools
- Vulnerable assets (condition 5) and how we convey these issues to politicians

Attachment A to QLD State Report: Priority Action Items for Councils (Identified As Part of the NAMAF Process)

During the assessments against the National Asset Management Assessment Framework (NAMAF), each council has been invited to nominate priority action items to assist to successfully participate in the Program, and ultimately achieve financial sustainability.

The priority action items identified by both the indigenous and non-indigenous councils were very similar.

A summary of the most common priority action items identified by the councils include:

1. Develop and / or review existing asset management framework, strategies and policies, and ensure these are used to support Council decision-making. Revise the framework, strategies and policies to reflect the key elements of the National Asset Management Assessment Framework (NAMAF).
2. Develop and / or review, and implement core asset management plans and levels of services plans, and include processes for annual reviews in these documents.
3. Elevate the priority of introducing and enhancing assets and services management knowledge and participation across the organisation, right up to Councillor level. This could include establishing an asset management steering committee and working groups (with representation across all business units) to implement asset management strategies and policies.
4. Establish the link (and consistent information) between the financial sustainability documents, including:
 - a. Annual operational plan;
 - b. Budget;
 - c. Revenue Policy;
 - d. Financial Plan;
 - e. Long Term Financial Forecast;
 - f. Long-Term Community Plan;
 - g. Asset Management Plans;
 - h. Community Engagement Policy and Community Plans.

Establish an annual review process to update and maintain consistent information between the above documents.

5. Develop processes and tools for evaluating and prioritising capital works projects
6. Develop processes for condition assessment ratings of major asset classes, and undertake the condition assessments, and incorporate this information into asset management plans;



7. Review Levels of Service framework. Link the Community Plan to desired levels of service (and associated costs), considering long-term sustainability objectives.
8. Establish assets management roles and responsibilities, and skills matrices across the whole of Council (including Councillors). Deliver training.
9. Develop an information sharing culture within the organisation to promote an enhanced and consistent level of knowledge of assets and services management across the whole organisation, including the Council.
10. Establish processes to derive accurate capital and operating asset financial data, based on realistic assumptions.
11. Maintain an up-to-date Asset Register by establishing and implementing processes to collect asset data and improve the quality of recorded asset data.
12. Undertake condition data assessments and develop reliable renewal profiles for the existing asset base.
13. Investigate / implement asset management information systems.
14. Implement asset management reporting processes to Council and senior council staff.
15. Implement corporate KPI's that measure asset management activities.
16. Develop maintenance management tools.

24. NSW State Report

IPWEA Infrastructure Financial Management 1 Day Workshop

The IPWEA Infrastructure Financial Management Workshop is continuing to be offered in NSW. It is pleasing to see that some courses have been fully booked, whilst there remains opportunity for bookings to be made at some venues.

Australian Rural Road Group Inc.

This recently formed group (www.austwideruralroadsgroup.com) continues to be active. The following extract from the ARRГ's media release dated 21st March 2012 highlights the benefits of effective asset management.

"Speaking in Canberra during a two day visit to dozens of Federal MPs and Senators, the group's chair John Coulton, also Mayor of Gwydir in NSW, said the group's latest report was about "taking the money issue off the table" and focussing on "the terrible system of road management and reporting across the country", and "explaining the great benefits that would flow from tackling a national structural reform of road reporting and funding".

"Not many people realise that there is no national reporting of true road condition, or cost pressures. Absolutely none. That means nobody can truly target funds to help national productivity and road safety. Our message with our latest report is simple: *the big issue is reform, not more money*. If we start managing and reporting on the true condition of our roads more transparently nationwide we'll start to fix the problem and use our scarce taxpayer dollars more efficiently".

DVD: NSW - Integrated Planning and Reporting

Councils in NSW have either commenced or will soon commence the journey along the Integrated Planning and Reporting pathway.



In order to support the Community Strategic Plan and Delivery Program, it is mandatory for NSW Council's to develop the following in accord with NSW Division of Local Government (DLG) requirements:-

1. Asset Management Policy
2. Asset Management Strategy
3. Asset Management Plans
4. Long Term Financial Plan.

A DVD titled "Long-Term Strategic and Financial Planning for Councils" has been produced by Local Government Learning Solutions to provide an overview of the IP&R process and its key components listed above. The video can be sourced by telephoning the Local Government & Shires Association on 02 9242 4000.

25. Victoria State Report

Major industry work done in the past year in local government has focused on

- Attaining 100% Core Competency by Dec 2012 – MAV has been working with Councils to achieve this target. This was set to ensure Victorian Councils would be able to meet the requirements of both federal and state governments for funding under the National Framework for Asset Management and Reporting. In the case of Moonee Valley, this requires the completion of asset management plans (facilities and open space), further implementation of AMIS and review of the Asset Management Policy and Strategy.
- MAV Step Program/CRC for Local Government has driven the Local Government Sustainability Program in which each Council underwent a self assessment and completed a template/report on Council's position in terms of financial sustainability.

In general, Council asset managers are increasingly becoming comfortable with their knowledge of the theory. Examples of the type of projects they are spending their time on include:

- Improving the use of the corporate AM system
- Upgrading the existing AM system
- Reviewing and/or developing levels of service
- Getting useful information out of AM systems for strategic use
- Getting data entry properly organised and/or adequately resourced
- Fully linking asset data to GIS
- Getting more asset categories into the corporate AM system
- Risk and condition rating
- Building relationships across the organisation
- Developing AM responsibility matrices
- Linking customer request systems with AM systems
- Developing meaningful works programs
- Renewal gap forecasting
- Rewriting AMPs
- Developing policy and strategy

Some statewide local government issues are also arising out of an increased awareness of asset management, levels of service, and financial management. This is resulting in issues such as:

- An awareness that disaster recovery funding can cause long term asset management problems. This is because the funding of asset repairs/reinstatements to standards and/or levels of service not requested, can jeopardise the long term financial sustainability of rural shires.

- Policies being developed on the use of heavy vehicles on main roads
- Questions being asked about the logic of legislative responsibilities for hydrants for fire fighting purposes. Councils are required to fund this service, but have no ability to perform the work.
- Public lighting arrangements remain an ongoing issue.

All 20 Victorian water businesses are involved in a collaborative Intelligent Water Network program. This program deals with all elements of the water cycle including issues relating to source of water, water quality, water quantity, and the physical assets (both built and natural). A broader theme that is becoming increasingly important is integrated water management. This involves all elements of the water cycle (drinking water, rain water, stormwater, recycled water, waste water, and groundwater). Monash University is leading a very large Cooperative Research Centre on Water Smart Cities, and the State Government has decided to create an Office of Living Victoria. This all means that levels of service, sustainability and asset management are prominent.

26. South Australia State Report

Climate Change Project under way

The joint LGA/UniSA/IPWEA SA National Climate Change Adaptation and Response Fund (NCARF) asset management project is continuing.

The project, with a total budget of approx \$600,000, comprises a research component looking into potential impacts from climate change on public infrastructure. It will identify likely climate change scenarios, the impacts they are expected to have on infrastructure, and will develop responses and adaptation measures to integrate into asset management frameworks – ideally in conjunction with the NAMS asset management framework.

IPWEA SA has a role on the technical panel and project management committee as well as facilitating interaction of the academic research group with AM practitioners so there will be plenty of opportunity for IPWEA members to contribute to the project.

Important progress has been made, especially in regard to the numerical model proposed for integration with the NAMS asset management template. The project has now moved from a pure research stage into model validation and trials. The model developed by the team utilises the effects of temperature and rainfall on failure modes in bitumen surfacing and granular pavements. The model is linked to predictions for rainfall and temperature change as determined by the various climate change scenarios to predict future impacts. This has required that climate change model predictions be up scaled to a finer spatial scale, to reflect the variations in local climate from Council area to Council area.

Additional work has also been undertaken to look at the impacts of "extreme events" on pavement durability and life, although the highly variable occurrence and generally low level reporting of impacts has limited the research team's ability to develop a reliable model. Unfortunately, the research team has not been able to explore the impacts of temperature and moisture content on sub grade conditions (for example in reactive silty clay soils) sufficiently to include this impact in the model.

The research team has met with most of the seven Councils participating in the project and has been able to discuss the data requirements and implications of the model with Council staff. Early results indicate that the impact of climate change on pavement failure rates will be

minimal. Although the model is specific to granular pavements and bitumen surfaces (ie sealed and unsealed pavements) the methodology adopted lends itself to future development to incorporate similar predictive modeling on other asset types and classes.

The final stage of the project involves investigation of the most appropriate interface with the current asset management cash flow forecasting modeling as utilised in the NAMS.PLUS templates. Further discussions with IPWEA staff are planned in the near future to determine the possible implications and processes involved.

There is an expectation that NAMS will "take over" the model ownership and updating, as part of the NAMS package, this may require some resources and commitment from NAMS.AU.

It is suggested that NAMS.AU include commentary in NAMS.PLUS templates that 'climate change effects have been considered and are not considered to have a material effect' or similar text.

Asset and Financial Management Training

Training in asset management using IPWEA's NAMS.PLUS (for large Councils) or NAMS *Lite* (for small regional communities) has been arranged in Adelaide at the Australian Institute of Management SA, 180 Port Road, Hindmarsh on the following dates.

Day 1: Thursday 14 June; Day 2: Thursday 12 July; and Day 3: Friday 13 July.

The LGA (SA) via the reform Fund will subsidise free attendance for two attendees from each Council.

Local Government Reform

LGA (SA) via the LG Reform fund has been continuing to work with IPWEA on AM implementation in the State.

The Local Government Reform fund was set up, in part, to maximise the financial sustainability of all SA Councils. Part of this includes taking a 'whole of council' perspective to bring together both financial and asset management operations for reporting and management purposes.

The 'Managing for the Future' assessment of all Councils indicates that many Councils are yet to establish an effective infrastructure and asset management plan (that includes all classes of assets) and/or have not yet integrated such a plan with their long-term financial plan and service level policies. This means that many Councils have no effective assurance that they have the policy settings, the resources, and asset management tools, to continue to provide the Council's desired service levels to their communities in a financially sustainable manner.

Development Engineering Committee (SA)

IPWEA(SA) have had a development engineering committee working on a myriad of issues confronting councils in the area of contributed assets and development engineering approval since 2010. The committee recently reported back with good progress and a survey of Councils is currently being distributed to better understand the scale and extent of the issues and to assist with taking these issues to the UDIA, LGA and State Government.

The purpose of the Interest Group was to establish a forum for discussing common issues in the land division process and to provide recommendations for improvements on a number of issues to assist Local Government, developers and others involved in the land development process.

27. Western Australia State Report

IPWEA Asset Management Forums

Recent Forums included:

- State and National Asset Management Frameworks

The following forums are currently being organised:

- MRWA – Iris Web Information/Roman II Forum
- Levels of Services
- Life cycle costing and future growth monitoring
- Software Systems

Update on present situation of WAAMI

The WAAMI programme continues to be offered and delivered to Local Governments as a tool to assist them in meeting their asset and financial management needs, including meeting their regulatory obligations under the new Integrated Planning and Reporting Framework.

Core Business Australia (formerly CT Management Group) is delivering the programme throughout Western Australia.

There is currently a particularly focus on delivery of the WAAMI programme to 9 of the 10 Local Governments in the Goldfields – Esperance Regional Cooperation Group.

The Steering Committee has not met for over 12 months however due mainly to staffing shortages in WALGA. IPWEA have been seeking urgent comment from WALGA regarding the future of the programme.

Local Government Reform Process – WA

The Department of Local Government is assisting WA local governments with the implementation of new regulations which require all local governments in WA to have developed a Strategic Community Plan and Corporate Business Plan by 30 June 2013.

Since the Local Government Reform Program commenced in 2009, 70 WA local governments have received funding to support the development of long term strategic plans and asset management plans.

The Department is also requiring integrated planning implementation in all local governments through:

- Development of frameworks, guidelines and minimum standards for integrated planning;
- Development of tools assisting workforce planning, community engagement and risk management;
- Provision of advice, and the delivery of training programs for councillors and local government staff; and
- Provision of a dedicated website.

IPWEA, LGMA and WALGA are assisting in these areas.

The Department anticipates that the majority of WA local governments will have successfully implemented long term strategic plans, asset management plans, and long term financial plans by 30 June 2013.

ROMAN Update

ROMAN is the Road Asset Management software and support system utilised by 134 of the 140 Western Australian Local Governments. It is a service delivered by ARRB Group on behalf of the Western Australian Local Government Association.

After 11 months of operation activity use of the replacement ROMAN software continues to grow slowly but steadily. Various Local Governments are at different stages of accepting the recent change of software with many now actively using the software, and many yet to use it. Current activity exceeds usage of the old system but is still less than project targets.

Local Government usage of the system at this point in time is:

- Predominantly asset inventory tasks;
- Several LGs are undertaking condition surveys and updates;
- Several LGs are exploring asset valuation functions
- Some Local Governments are exploring predictive modelling
- Several Local Governments are exploring works selection
- There is a strong appetite for the release of Pocket RAMM “in the field access and RAMM Contractor “works management” modules

The support office is now settling into ongoing operations having shifted from a project development and delivery focus.

28. Tasmania State Report

Local Government Financial and Asset Reform Project

The Local Government Financial and Asset Reform Project is a partnership between the Local Government Association of Tasmania and the Federal and State Governments. The basic aim is to implement long term financial planning and asset management frameworks in all Tasmanian councils.

The implementation phase of the project has begun in earnest following maturity assessments conducted by the Institute of Public Works and Engineering Australia (IPWEA) and completed in March. In regard to asset management this state assessment highlighted that all councils had the data and systems needed for planning; some councils still needed to produce asset management policies and plans and most councils performed poorly in terms of level of service and risk assessment.

A schedule has been developed for the implementation of training, workshops and the preparation/improvement of asset management plans. The training and workshops will be conducted by IPWEA and include NAMS.PLUS and NAMS refresher courses as well as elected member and senior staff training. We have also negotiated a customised workshop on levels of service and risk assessment, reflecting the identification of these issues as a priority area in the maturity assessments. The three days of NAMS.PLUS training is being spaced at intervals of four weeks to allow preparation of asset management plans between sessions.

To support the production of asset management plan, three Regional Coordinators have been funded on a short term basis to provide a hands-on resource for councils. In the North and North West regions this role is being fulfilled by external consultants and facilitated through existing regional infrastructure groups. In the South, Hobart City Council has adopted the Coordinator function and a southern asset management group has been established to facilitate the implementation of both asset management and long term financial planning.

A long term financial planning template was produced last year and is already being used by some councils. Asset management plans for major asset classes will be completed for all Councils by September this year.

IPWEA Tas held an AM forum some weeks ago. Ben Lomond Water demonstrated their AM Plans using NAMS.PLUS. LGAT and State Government have a climate change group. They have produced climate change models and are holding workshops with all Councils to develop work plan to manage the effects of climate change.

29. IPWEA NSW Roads & Transport Directorate

Austroads

Austroads Assets Task Force

The last meeting of the Austroads Assets Task Force was held on 10th & 11th May 2012.

Projects being carried out by Austroads which may be of interest to NAMS Members include:

Austroads Statement of strategic priorities

To minimise whole of life cost of road and bridge assets to meet the transport task, via:

- Developing a better understanding of the relationships between road agency asset management costs and road user costs.
- Improving decision making that will help to achieve the minimisation of whole of life costs.
- Improving customer service.
- Maintaining the Austroads Guide to Asset Management.

Current Austroads Projects

AT1480	Predicting dynamic wheel loading and its effects on the network
AT1489	Identifying the best measure of the variation in longitudinal surface profile for use in triggering pavement rehabilitation works
AT1691	Managing Asset Management related Civil Liability Legal Risk
AT1064	Long-Term Performance Monitoring to Develop Consistent Performance Models
AT1612	Future Availability & Increasing Cost of Bitumen and Alternative Surfacing Binders
AT1540	Understanding the Impact on Pavement Surfaces from Next Generation Freight Vehicles and Developing Practical Network Prediction Models and Responses
AT1484	Review of standard methods for measuring road condition
AT1488	Improving skid resistance measurement
AT1692	Asset Management within a Safe Road System Framework
AT1536	Good Practice Reseal Management
AT1537	Bridge Management through Performance Models
AT1534	Management of Road Related Assets (including electrical and electronic)
AT1693	Using Financial Data in Asset Management Decision Making
AT1730	Benefits and risks of investing in network level deflection data collection
AT1539	Application of New Technologies to Improve Risk Management
AT1490	Improving the Estimation of the Cost of Accelerated Road Wear Due to Possible Increases in Axle Mass Limits



Recently Completed Projects

AT1170	Asset Management – Management of Road Surface Characteristics
AS1335	Improve Cost Allocation Rules by Road Type (including unsealed roads)
AS1337	Establishing a New National Pavement Maintenance Database (NTC)
AT1394	Understanding Wear and Cost Implications of Incremental Loads on the Road Network (Optimal Axle Mass Limits)

The next meeting of the Austroads Assets Task Force will be held on 27 September 2012.

30. Next NAMS.AU Meeting: NAMS.AU Face to Face Meeting Friday 2 November 2012 in Sydney.

NAMS Australia is an initiative of the IPWEA National Asset Management Strategy [NAMS] Committee. NAMS.AU seeks to provide national leadership and advocacy in the sustainable management of public works infrastructure, community assets and services.

NAMS.AU Committee

Chair

Peter Way, Qld, pway@ipwea.org.au

State Delegates:

Angelo Catinari, SA, acatinari@wtcc.sa.gov.au

David Wolfenden, NSW, david.wolfenden@mpsc.nsw.gov.au

Thomas Kuen, Vic, Thomas.Kuen@melbournewater.com.au

IPWEA National Office:

Chris Champion, CEO, cchampion@ipwea.org.au

Leon Patterson National Director, lpatterson@ipwea.org.au

IPWEA National Board

Paul Di Iulio SA, pdiulio@campbelltown.sa.gov.au

Glyn Davies, WA, gdavies@armadale.wa.gov.au

Harry Galea, Tas, Harry.Galea@launceston.tas.gov.au

David Braby, Qld, DBRABY@goldcoast.qld.gov.au

John Howard, Project Mgr, johnhoward.jra@bigpond.com

IPWEA

Level 12, 447 Kent St

Sydney NSW 2000

T 02 8267 3001

E national@ipwea.org.au

W www.ipwea.org.au