

IPWEA Asset Management for Green Infrastructure (AMGI) Project - Evaluation framework

According to the Local Government Research and Development Scheme, the AMGI project must develop an evaluation framework with KPIs to measure the project's impact and effectiveness against the project aims and outcomes. This evaluation framework draws on the Australian Government Commonwealth Resource Management Framework, the "Rossi Steps" (Rossi et. al. 2004) and the Australian Government Department of Education STEM training course evaluation framework. The assessment will focus on four key areas: Project design; Implementation; Outputs; and Outcomes. The project will be evaluated monthly against these four areas and the measures provided below by IPWEA and overseen by the project Steering Committee. The evaluation will draw on data collected from project partners, a stakeholder workshop and a pre- and post- project survey.

Key evaluation question:

Did the "Asset Management for Green Infrastructure Project" achieve its intended objective(s)?

Objective:

The AMGI Project will provide asset stewards with the knowledge, tools, and frameworks needed to include green infrastructure into their strategic, asset and financial management planning and in turn unlock the full potential of nature-based solutions to provide a range of ecosystem services and additional benefits that support more livable, sustainable, and resilient communities. The AMGI Project deliverables are an IPWEA e-book Practice Note and a stand-alone Online Training Course.

Project Design	Indicators for Project Design	Measures for Project Design
Does the design of the AMGI Project set it up for success?	• Uses proven project design and methodology • Steering committee formed • Regular steering committee meetings run • Gantt Chart, Budget breakdown and Evaluation Framework developed • Marketing plan developed • Risks identified and monitored • Stakeholders engaged • Lead and lag KPIs developed and measured	• The project design was based on proven methodologies developed by IPWEA for the development of new Practice Notes and Online Training Courses. • A diverse range of 15 expert steering committee members were identified and engaged to guide the project. • Regular monthly steering committee meetings are run to ensure expert advice and feedback on the project, review material and monitor progress. • A Gantt Chart, Budget breakdown and Evaluation Framework were developed and are assessed monthly. • A marketing plan was developed with IPWEA marketing and media group and implemented. • Project risks were identified and are monitored monthly. • A diverse range of at least 140 relevant stakeholders registered interest to have project input. • A pre- and one year post- stakeholder survey was run to capture results from lead and lag KPIs on the outcomes of the Project and includes measures on awareness, deliverable access and integration of GI into respondent organisation's strategic, asset and financial management plans.
Implementation	Indicators for Implementation	Measures for Implementation
How has the AMGI Project been implemented in practice?	• Regular engagement with stakeholders • Extensive expert input sought	• Stakeholders were invited to an in-person and online stakeholder engagement workshop on 21 March 2025 to provide on-the-day feedback. Over 69 participants attended. • Ongoing feedback on the Practice Note (now Green Infrastructure Management Manual (GIMM)) and Online Training Course content, tools, templates and training was sought with invitations sent in March, July, October and December 2025 and December 2026. • The GIMM was researched and written with input from the steering committee, IPWEA experts in asset management and engineering, other project partners and the stakeholder engagement group.

Implementation	Indicators for Implementation	Measures for Implementation
	- Regular project monitoring and reporting - Project deliverables communicated and marketed - Project delivered on time - Project delivered on budget	- The online training module was developed by Guroo Productions and was trialled by the steering committee (IPWEA funded). - Monthly progress reports were provided to the steering committee via a live Gantt Chart. - Reporting to LGA SA as per Schedule 2 of the contract was completed in May, October 2025 and July 2026. - Communication via media releases (2), conference presentations (8+) and industry forums (5) have raised awareness about the project and deliverables. - The project was delivered on time and completed by 30 December 2025. - The project was delivered with minor budget overrun funded by IPWEA.

Outputs	Indicators for things produced	Measures for things produced
What has the AMGI Project produced ?	- Number of publications reviewed - The GIMM was developed - Online Training Course developed - Number of case studies developed - Number of presentations at events or expos held or visited - Roles of stakeholders engaged - The types of organisations reached - The number of land uses covered - The number of locations engaged - Survey outputs	90+ publications were reviewed in the development of the Practice Note and Online Training. - The Green Infrastructure Management Manual (GIMM) was developed. - The Online Training Course was developed. - Case studies were provided by project stakeholders - Communication via media releases (2), conference presentations (8+) and industry forums (5) have raised awareness about the project and deliverables. - The following roles were represented in the stakeholders engaged: Elected / Board members; CEOs / Managers; Asset managers; Engineers; Procurement, Finance and HR officers; Green infrastructure experts (hydrologists, biologists, ecologists, arborists); Environmental / Sustainability officers; Landscape architects; Field Operators; Consultants; IT officers; Planners; and Contractors. - The following organisation types were engaged: Local Government; State Government; Federal Government; Municipalities; Private organisations; Water Utilities; Consultants; Educators; Researchers; Volunteer Groups. - The following land uses are managed by the organisations engaged: Conservation and natural environments, Primary production, Manufacturing and industrial, Urban residential, Rural residential, Remote communities, Services (Commercial, public, recreation, defence, research), Utilities (energy and water), Transport and communications, Mining, Waste Treatment and Disposal, Water (lake, reservoir, river, channel, marsh, estuary) - Participants from the following locations were engaged: SA, WA, NSW, ACT, QLD, TAS, VIC, Canada, UK, US, Pakistan, South Africa, Indonesia. - The full pre-survey results were provided as an attachment to the May report.

Outcomes / Impacts	Indicators of Outcomes / Impacts	Measures of Outcomes / Impacts
What outcomes, impacts or consequences did	Direct measures: - Number of stakeholders engaged - Number of parties registering	140+ stakeholders have been engaged during the development of the GIMM and supporting tools and training. 140+ parties registered their interest in the project via the web page by 30 December 2025.

Outcomes / Impacts	Indicators of Outcomes / Impacts	Measures of Outcomes / Impacts
the AMGI Project have for Asset Stewards?	interest in the project • Number of project web page views • Number of Practice Notes downloaded • Satisfaction with deliverables Changed behaviours: • Increased awareness of AM for GI • Increased inclusion of GI into asset management plans and tools • Increased capacity to include GI into AMPs • Networks of AM for GI have been developed	• 7400 views of the IPWEA project web page by 23 July 2026. • 2,684 PDF copies of GIMM were accessed online by 23 July 2026 from the IPWEA website alone. Many hundreds more are expected to be circulating via email. • The post user surveys asked respondents about their awareness of the project deliverables, satisfaction with content, adoption and planned adoption of GI asset management practices as a result of their exposure to the project, whether they have shared their learnings about the project, and remaining barriers or suggestions for improvement. • Respondents represented Councils, not-for-profits, private organisations and state government. Personnel included a CEO, Asset Managers, Engineers, Environmental / Sustainability Officers, Landscape architect, Arborist, and Consultants. All except one respondent had read or partly read the GIMM and were satisfied or very satisfied with the content. The GIMM had supported their Natural Disaster Plans, Training Material, Strategic and Asset Management Plans, Climate Adaptation Plans, Modelling, Asset and / or Tree Registers, Long-term Financial Plans, and Community Engagement. Respondents indicated that they will continue to integrate the content from the GIMM into more of the same. Identified barriers included siloed approaches within the organisation, lack of long-term data including life-cycle costings and the need for more training. Suggested additions included: including lifecycle costing templates, carbon accounting tools, business case templates, maintenance and inspection checklists, climate resilience assessment frameworks, asset register examples, procurement/specification templates. Raw data from the post-project survey are provided in the attached document.