



Institute of
Public Works
Engineering
Australia
(NSW Division)

2012 IPWEA NSW Engineering Excellence Awards

Call For Nominations



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The IPWEA (NSW Division) presents the Engineering Excellence Awards each year to promote and recognise excellence of Local Government and public works projects. This is achieved through inspiration, innovation, developing and completion of projects and technical management by our members.

This year sees the continuation of Public Works Leader of the Year. This Award has been created to recognise the performance of an individual IPWEA (NSW) member for leadership in the delivery of



IPWEA NSW members from Councils and organisations are invited to nominate projects in the categories listed. Nominations are judged on their merits and are not constrained by project size or council/ organisation size.

The Award winners will be announced at the IPWEA NSW Engineering Excellence Awards Dinner on Tuesday 8th May 2012, to be held at Novotel Pacific Bay Hotel, Coffs Harbour, as part of the IPWEA (NSW Division) Conference.





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Why should you enter?

There are many benefits to submitting a nomination for the IPWEA Excellence Awards; we recommend you consider nominating your projects in 2012. Whilst you may feel that many of the projects you undertake during the year are “just routine” and a normal part of being an Engineer, Works Officer, or Road Safety Officer, they may, nevertheless, be an example of industry best practice and their recognition through the Awards may assist a fellow Engineer/Works Officer / RSO in undertaking projects that may otherwise not happen.

The benefits of entry include:

- Category Award winners will be considered for the National Public Works Medal presented at the 2013 IPWEA National Conference in Darwin
- Prestige and recognition for your organisation and the projects in which you are involved
- Inclusion in the IPWEA Excellence Awards book, which is published for the Awards presentation and Showcase Journal
- Media coverage of the event and assistance with press releases for winning nominations
- The receipt of an Award trophy that can be displayed at your organisation and to visitors
- The recognition of your value to your organisation in being part of an Excellence Awards event
- The opportunity to present a paper on your project at the NSW Conference.

Eligibility

The project manager/coordinator/RSO must be a member of the IPWEA (NSW Division), and the nominations must be endorsed by the Senior Divisional Manager/Department Head. The subject matter of nominations may include planning, design, project management, process development, and research, development of techniques or related innovations or achievements. A nomination may relate to a single engineering project or be part of a larger project or coordinated projects.

Important Dates

Nominations Forms due: Friday 6th January 2012

Project Submissions due: Friday 3rd February 2012

Projects Nominated: must have been completed between February 2010 and February 2012

Awards Presentation: Tuesday 8th May 2012

A project manager may nominate the completion date as the date on which his brief was completed or the date on which the whole project was completed. These dates must be clearly defined and stated on the Nomination Form as they are most important in determining whether or not a nomination will be presented to the judging panel. If the IPWEA is of the opinion that the dates do not comply, the entrant will be advised at that stage so that unnecessary work on the preparation of the submission may be avoided. No project is too large or too small, with consideration being given to the size and resources of the council/organisation and its staff. Councils/organisations may submit any number of nominations in any or all categories.

Contact

Michelle Burgess, Events & Partnership Manager

Phone: 02 8267 3013

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Award Categories

Nominations will be judged in the following categories:

Category 1: Design and/or Construction of a Local Government/Public Works Project

Category 2: New or Improved Techniques including: Innovation and/or Introduction of Techniques or Outstanding Management Initiatives or Outstanding Achievement in Asset Management

Category 3: Innovation in Water Supply and Wastewater (An initiative of and sponsored by the Water Directorate)
(Nominees for this category must be a member Council of the Water Directorate)

Category 4: Occupational Health and Safety

Category 5: the Three R's: Recovering, Recycling and Reusing Award

Category 6: Excellence in Road Safety Engineering

Category 7: Environmental Enhancement Project or Initiative

Category 8: Local Government Excellence in Road Safety Awards

Category 9: Public Works Leader of the Year

The judges have final discretion regarding the category in which an entry will be judged but to assist the judges all entrants are requested to specify the preferred category for their entry.

Judging Information and Additional Criteria

Judging – Category 1- 7

Geoff Fowler (Director of Fowler Engineering Consultancy) and David Abbott (Principal, DVA Consulting) have been appointed as judges for 2012.

They will be visiting nominees in February/April 2012 for the purpose of judging nominated projects. Following the closing date for submissions, Friday 3rd February 2012, the IPWEA Office will be in contact with all nominees to arrange an itinerary.

Additional Criteria for Awards in Categories 3-7 & 9

The criteria and parameters for categories 3-7 & 9 are set out below. All other categories have no additional criteria, so please follow the information in the call for nominations brochure.

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Judging Information and Additional Criteria (Continued)

Additional Criteria Category 3: Innovation in Water Supply and Wastewater

The Innovation in Water Supply and Wastewater Award seeks to recognise innovations in water supply and wastewater, following the criteria set by the Water Directorate.

Please note; only Water Directorate member Councils can apply for this award.

Nominations may be made for any of the following types of projects involving water and/or wastewater:

- Operations
- Maintenance
- Capital works
- Management
- Design and/or construction

Nominations must reflect an efficiency and demonstrate a cost saving.

Additional Criteria Category 4: Occupational Health and Safety

The Occupational Health and Safety Award seeks to recognise outstanding achievement in the approach adopted during the project in any of the following areas:

- The basis of any OH&S Management Plan developed for this project
- During the project were there:
 - >any serious accidents?
 - >lost work time?
- Were these accidents or lost time measured as part of the project performance?
- Are there any OH&S practices that evolved from this project that can be introduced:
 - >in future projects?
 - >into any initiatives by WorkCover?

It also seeks to recognise new or improved Occupational Health and Safety initiatives, policies or procedures which can demonstrate significant reductions in lost time through injury and which can be beneficially replicated in other organisations.

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Judging Information and Additional Criteria (Continued)

Additional Criteria Category 5: The Three R's: Recovering, Recycling and Reusing Award

The Three R's: Recovering, Recycling and Reusing Award seeks to recognise outstanding achievement in waste avoidance and resource recovery in the following types of projects:

- Introduction of new, or improvements to existing, recycling schemes
- Recycling and reuse of old buildings for new purposes (adaptive reuse)
- New or Improved materials recovery projects or processes

Projects should display achievements in one (or more) of the following areas:

- Prevention/Avoidance of waste:
 - >Innovative systems, design and processes employed to prevent/avoid waste and increase use of recovered materials.
 - >Utilisation of existing buildings, facilities, infrastructure etc (adaptive reuse).
 - >Innovative design to maximise the use of in-situ resources.
- Materials Selection, with an emphasis on:
 - >Choice of materials: salvaged, recycled content, durable, reusable and/or recyclable materials.
 - >Purchasing systems and practices to increase use of renewable and/or recycled content materials and components.
- Recovery of resources:
 - >Innovative procedures employed to recover resources to high end uses.
 - >Strategies/facilities in place to recycle ongoing waste generated by occupiers (paper, glass, recyclables, organic).
- Litter control and reduction.
- Education/Training programs for project managers, supervisors, contractors and subcontractors.
- Waste planning; either as part of an Environmental Management System or a Waste Management Plan.

Information that needs to be included:

- Anticipated and actual amounts of waste (tonnes) which are avoided, reduced, reused or recycled.
- Actual amounts of salvaged, recycled and/or recycled content materials purchased/used (tonnes).
- Any estimated cost savings.
- Identification of any barriers that were overcome in completing this project.
- Practices that have evolved from this project that will be carried over to future projects.
- Reasons for undertaking a project of this type.

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Judging Information and Additional Criteria (Continued)

Additional Criteria Category 6: Excellence in Road Safety Engineering

The following criteria should be followed:

Objectives:

- Raise the profile of road safety management among engineers in local government/public works.
- Continue recognition of engineering contributions to road safety achievements.
- Encourage implementation of road safety engineering programs.
- Encourage adoption of road safety audit process (especially the focus on design audits).
- Reward innovation in engineering treatments that have road safety benefits.
- Encourage evaluation/assessment to demonstrate road safety benefits.

Note: The judges will be cognisant of:

- Good applications of road safety engineering principles.
- The establishment of sound policies, practices and procedures.
- A high-level commitment/funding of road safety engineering approach, including links to council strategic plans.
- Examples of demonstrable road safety benefits.
- Examples of innovation in analysis, design, implementation leading to road safety benefits.
- Modifications and/or improvements to practices and procedures (e.g. in design or traffic management) arising from road safety examination and/or investigation and/or evaluation (e.g. what has been learnt from results of road safety audit programs).
- Examples of technology transfer of good road safety engineering practice, including promotion and training.
- Recognition of needs of all road users (i.e. including elderly, pedestrians, cyclists).

Nominated projects should not be:

- Examples of standard treatments such as roundabouts, speed humps, guard rails.
- Traffic management initiatives without demonstrable road safety benefits.
- Straight forward conduct of road safety audits on existing roads.

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Judging Information and Additional Criteria (Continued)

Additional Criteria Category 7: Environmental Enhancement Project or Initiative

This category seeks to recognise projects or initiatives that: - create or will lead to significant improvements to the natural environment; reverse or regenerate a degraded or degrading natural environment (land, air or water); utilise waste or stormwater harvesting for beneficial reuse including drought proofing; utilise or encourage strong community involvement in environmental projects.

Judging – Category 8: Local Government Excellence in Road Safety Awards

Members of the IPWEA Road Safety Panel will review nominated projects in February/March 2012. Following the closing date for submissions, Friday 3rd February 2012, the IPWEA Office will be in contact with all nominees to discuss specific aspects of the projects. The differences in achieving outcomes in road safety projects in city and regional areas, 2 awards may be given provided there is sufficient opportunity to recognise these differences.

Judging – Category 9: Public Works Leader of the Year - Selection Criteria

The key issues that the selection panel will be looking for:

- Leadership
 - > Commitment
 - > Developing relationships
 - > Team dynamics
- Body of Knowledge
 - > Knowledge transfer
 - > Advancing the cause of the public works profession
 - > Use of sound engineering practices and principles
- Interpreting the Community Needs
 - > Quality of life benefits
 - > Enhanced amenity
 - > Environmental sustainability and conservation
- Skill and Professionalism
 - > Management of time, budgets, people and resource
 - > Articulation of ideas
 - > Character, behaviour and image
- Cooperation with Others
 - > Within the profession
 - > Other profession
 - > Working within a team environment
- Excellence in Public Works
 - > Innovation and originality
 - > Ingenuity
 - > Commitment to professional organisation

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Judging Information and Additional Criteria (Continued)

Additional Criteria Category 9: Public Works Leader of the Year

This Award has been created to recognise the performance of an individual IPWEA (NSW) member for leadership in the delivery of public works excellence in one or more of the following areas:

- The administration and management of a significant infrastructure project or service that has had a major positive impact on a local government and/or extended community.
- The administration and management of a program of works or services that collectively that have had a major positive impact on a local government and/or extended community.
- Service in an appointed (non-elected) position on a board and or commission charged with the oversight of policy development and/or review of public works or infrastructure issues.

Supporting Information: A nomination shall be supported by a detailed description of the achievements in public works leadership that are considered worthy of this award (2,000 words maximum).

Please note that: The judges reserve the right to transfer an entry to another Award category

Issues Considered in Judging

- Submissions should be concise and professional; however, judging will be on the merit of a project and not only that of the submission.
- Submissions should be in sufficient detail to allow judges to fully comprehend the project prior to visiting the site or reviewing it as a Panel.
- The project should demonstrate the skills and professionalism inherent in local government and public works' activities and clearly identify the extent of involvement in the project by the IPWEA member.
- It should add to the body of knowledge in either local government or public works activities.
- It may be a new idea or technique or it may be the further development of an established methodology.
- Where it is applicable, the project should demonstrate cooperation with others in the organisation and, therefore, be a total Council/organisation project.
- It should demonstrate cooperation and engagement with the community and an interpretation of community needs and aspirations as well as identifying the extent of community benefit e.g. local only, regional, or potential wider community benefit and whether it is likely to be for the short, medium or long term.

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Issues Considered in Judging (Continued)

- An organisation's capacity to tackle a project will be taken into account when comparing projects as will the extent of involvement of the initiating organisation in carrying out the project. With an area such as road safety, a project should be able to indicate how council took ownership of the project.
- How the project improves the amenity of the area such as new or improved public facilities, visual improvement to the built environment and the like.
- How and to what extent the project enhances the image of Public Works Professionals in the community.

Awards Presentation

The winning projects will be announced at the 2012 IPWEA (NSW Division) Engineering Excellence Awards Dinner on Tuesday, 8th May 2012, to be held at Novotel Pacific Bay Hotel, Crn Bay Derive and Pacific Highway, Coffs Harbour, as part of the IPWEA (NSW Division) Conference. The project manager/coordinator/RSO or nominee will receive the award on the night.



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Step 1. Nomination Entry: Due Friday 6th January 2012

Nomination entries must be emailed to michelle@ipwea.org.au

All nomination entries must contain the following:

- Full Contact Details - Address, telephone, mobile and email
- Membership Number (Please note: if you are entering category three - Innovation in Water Supply and Wastewater, no membership number is required just the Council Name).
(Only Councils who are members of the Water Directorate may enter this category).
- Project Name
- Award Category
- Project Synopsis (max 150 words)
- Completion Date of Project (between February 2010 and February 2012) - in MS Word Format.

Step 2. Final Project Submission: Friday 3rd February 2012

The submission must contain the following components and then burnt onto one CD in MS Word format:

- Media release of the Project (150 words minimum)
- Four colour photo's of project in jpeg format at 300dpi
- Project Submission:
 - Title page stating the:
 - >Title of nomination
 - >Full name of Council/organisation
 - >Address, telephone, mobile and email
 - >Category of nomination
 - >Name and position of person making the nomination (i.e. IPWEA member), Address, telephone, mobile and email
 - >Names and biographies of participants responsible for project
 - >Endorsement by the Senior Divisional Manager/Department Head
 - Concept and objectives of the project;
 - Description of the project planning and development including the extent of involvement by IPWE Member/s;
 - Description of how the project achieved its objective(s)(maximum 100 words);
 - Listing of external related organisations involved, including community organisations, and a brief description of their involvement/ contribution to the project.

The CD must be mailed to:
Michelle Burgess, Events & Partnership Manager
by Friday 3rd February 2012
Contact details on the bottom of this page.

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Nomination Form

Title: Name: Membership Number.....

Position:

Organisation:

Address:

.....Postcode.....

Phone: Mobile:

Email:

Project Name:

Location:

Award Category:Completion Date of Project:.....

Synopsis:

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