



Department of
Transport

Coastal Infrastructure Coastal Protection Grants 2012 / 2013

Funding for undertaking work associated with coastal protection



**Applications Close
31 May 2012**

About Coastal Protection grants

Protection of Western Australia's long coastline is a significant and ongoing task, requiring partnerships between the State Government and local coastal managers. Issues that affect our coast now are likely to increase with climate change and sea level rises.

Coastal Protection grants are available each year to local coastal managers to undertake work associated with coastal protection. The grants are administered by the Department of Transport's Coastal Management group.

Coastal Protection grants aim to:

- improve understanding of the coastal environment and local coastal processes
- provide technical advice and assistance to coastal managers
- ensure that valuable coastal assets, whether natural or constructed, are protected from the unwanted impacts of ocean forces
- provide the most appropriate and cost-effective interventions to protect coastal assets.

Beyond providing significant funding assistance, receiving a grant provides coastal managers with other important benefits:

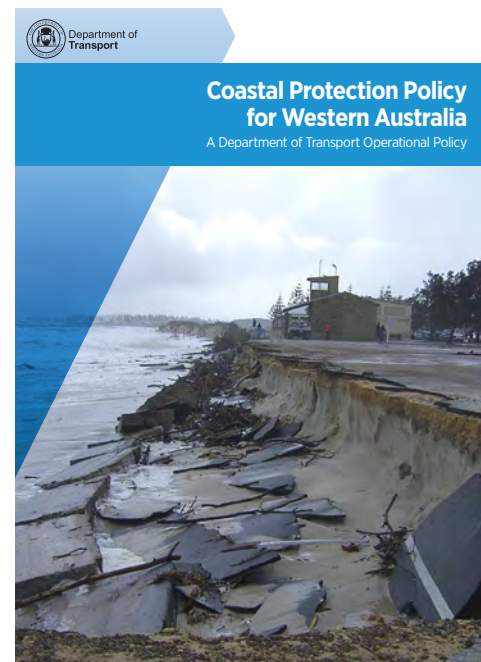
- access to Transport's maritime expertise, including specialist coastal engineers
- access to relevant information held by Transport, such as data on waves, water levels and shoreline movements
- review of projects to ensure consistency with relevant Australian Standards and coastal protection principles state-wide
- facilitates applying for the necessary Transport licensing approvals.

Project eligibility

Projects must comply with the conditions of Transport's Coastal Protection Policy for Western Australia. This policy applies to the coastline immediately adjacent to the oceans of WA, but excludes estuaries and rivers that are under the management control of the Department of Water.

Eligible project types include:

- Monitoring - development of monitoring programs, including beach and hydrographic surveys, wave and water level recordings, aerial photography, and photogrammetry.
- Planning - coastal vulnerability assessments to determine the likely impacts of climate change, risk assessments and the development of adaptation/ management solutions.
- Investigations - studies to analyse data, causes of coastal problems, and to develop coastal management solutions/ options.
- Condition inspections - of existing coastal protection infrastructure (e.g. groynes, seawalls) and development of asset management/ maintenance programs.
- Design - of new coastal protection structures (e.g. groynes, seawalls) or beach nourishment.
- Construction - of new coastal protection structures (e.g. groynes, seawalls) or ongoing beach nourishment. Can include preparation of tender documents and construction supervision.
- Maintenance - of existing coastal protection structures.



Beresford Foreshore – Geraldton

Foreshore protection and enhancement

The City of Greater Geraldton is planning to revitalise the Beresford Foreshore north of the Batavia Coast Marina. The City was successful in gaining a \$50,000 grant to help fund an investigation into appropriate coastal protection for the works.



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Who may apply?

Grants are available to coastal managers, who are defined as:

- local government authorities which have vested responsibility for coastal management;
- State Government departments actively involved in coastal management;
- Aboriginal Land Councils with responsibility for coastal management; and
- other corporate bodies directly involved with coastal management.

Applications from anyone other than coastal managers will not be assessed. However, others interested in applying may make a joint application with an identified coastal manager.

Gingin-Dandaragan Geology, geomorphology and vulnerability assessment

The Shires of Gingin and Dandaragan required detailed coastal vulnerability information to guide future planning and management strategies for the development of coastal land.

Funding of \$90,000 was granted to the Department of Planning which, on behalf of the Shires, engaged a consulting firm to undertake a geology, geomorphology and vulnerability investigation in 2009/2010. This work has helped define the relative coastal stability, and highlighted areas that are susceptible to change in the coastal zone.

The Department of Planning received a further grant for similar work in the Gascoyne region in 2010/2011.



Watermans Bay Seawall construction

Watermans Bay and Mettams Pool in Perth's northern suburbs, were subject to serious erosion in 2008 and 2009. This erosion exposed significant areas of beach rock and reduced the area of sandy beach for beachgoers. It also put valuable coastal infrastructure at risk.

Following investigations into the erosion, a \$250,000 grant was awarded to the City of Stirling to construct a sand-bag seawall in March 2010 to stabilise this section of coast and protect infrastructure.



City of Stirling Beach profile surveys

Following construction of the Waterman's Bay seawall in 2010, the City of Stirling was awarded a \$25,000 grant for a series of regular beach profile surveys to better understand the behaviour of the largely rocky coast.

The small sandy beaches on this coast are described as being "perched" on an extensive rock platform. This situation, combined with the complex system of the reefs close to shore makes the behaviour of these beaches difficult to understand.



Funding

Approximately \$1 million is available for projects in 2012/2013. Funding is available for up to 50 per cent of the total cost of works associated with coastal protection. The remainder of the project cost is to be funded by the applicant, but can include:

- funding from other sources, including government departments
- in-kind contributions such as plant, labour or materials, but not administration costs.

Some eligible projects may be only partly funded, or not funded at all, if there are applications for more funds than are available. In addition, funding may be offered for certain elements of a project, or for a percentage of the funding requested.

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Busselton Town Foreshore Seawall reconstruction

In preparation for a foreshore redevelopment the Shire of Busselton was granted \$150,000 to reconstruct the town foreshore seawall. The existing structure had been built in sections over many years and was in poor condition. The structure was rebuilt with construction completed in December 2011.



Grant conditions

Grants are awarded at the start of the financial year and are only valid during that year. Projects must be completed within this time. Failure to do so may result in the termination of the grant agreement.

Before a project commences, successful applicants are required to:

- sign an acceptance letter which sets out the terms and conditions of the grant;
- apply for jetty licences and statutory approvals if relevant; and
- seek formal approval for the detailed design or study brief from Transport's Coastal Management group.

At the conclusion of the project, the coastal manager:

- must provide a financial statement;
- must provide any other information requested;
- owns any resulting coastal protection works; and
- is responsible for all ongoing maintenance.

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Cottesloe Coast Geophysical investigation

Breaks in Perth's rocky limestone coast are prone to erosion. Previous foreshore vulnerability investigations for climate change made the Town of Cottesloe aware that limestone rock may not be continuous along its coast. The Town was awarded a \$40,000 grant for a geophysical investigation.

Investigations in November and December 2010 identified the depth to limestone bedrock and the density and cover of the overlying sand. Understanding the presence or absence of rock will assist the Town in future coastal planning.



How to apply

As funding is allocated at the start of the financial year, applications should be submitted by **31 May 2012**. However, applications for grants for unforeseen emergencies can be considered at any time, subject to availability of funds.

The application process is simple, but the more information you provide, the easier it is to assess your application. As a minimum, you will need to provide:

- a brief description of the project
- evidence that your group is authorised to manage the coastal lands
- photographs of the site
- a brief description of the assets under threat
- estimated total project cost and grant amount sought
- proposed start and completion dates
- a list of previous coastal studies and works undertaken within the area
- contact details of the project manager.

Email to:

coastalmanagement@transport.wa.gov.au

or

Post to:

**Coastal Protection Grants
Department of Transport
PO Box 402
Fremantle 6959**

For more information, contact **Karl Ilich** on **9435 7572**

Esperance Sand nourishment

Whilst long-term management strategies for the Esperance town foreshore continue to be investigated, the Shire of Esperance has been successful in applying for grants for sand nourishment for parts of the town beaches. The volume of sand placed depends largely on the severity of winter storms, and also the availability of appropriate sand.





Department of
Transport

For further information please contact:

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