



HERITAGE PERTH INC.



Grant Applications for Façade Lighting Projects

Light Up the City

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Grant Criteria and Application Form

1.0 Introduction

Heritage Perth Inc. is a not-for-profit organisation, strongly supported by the City of Perth, whose purpose is to show the heritage of Perth in a positive light as a major social and economic asset.

The objectives of Heritage Perth are:

- *Be Perth's leading deliverer of heritage-related projects*
- *Wide-spread recognition that the heritage sites of the city of Perth are a positive economic and community asset which are appropriately conserved and interpreted*
- *Perth's heritage sites recognised as a significant visitor opportunity*
- *Sufficient funds raised, from all possible sources, to support the purposes and projects of Heritage Perth*

To achieve a higher public recognition of the importance of heritage to the community, Heritage Perth has developed a number of innovative projects to help people appreciate the importance of the heritage places in Perth and raise awareness of the city's historic sites by actively promoting them as a community asset.

One of these projects is 'Light Up the City', which sets out to encourage imaginative façade lighting for significant heritage buildings in Perth installed using the latest energy efficient equipment.

This 'environmentally-friendly' façade lighting scheme will make Perth a world leader in the field of sustainable public lighting. By lighting the city's icon buildings in this way, it is intended to encourage building owners to turn off internal lights, giving the opportunity to replace mega-Watts of power consumption with kilo-Watts of magical lighting effects that will bring Perth alive at night, encouraging reactivation of the city centre and drawing increased numbers of visitors back into the city in the evening.

The objective of Light Up the City is:

"Through the imaginative and sustainable use of lighting, create a night cityscape which highlights Perth's heritage buildings and assists in the reactivation of the city at night."

In order to achieve this goal, Heritage Perth has worked with leaders in the field of lighting technology to develop a lighting specification which gives up to 500% efficiencies over conventional façade lighting systems.

The lighting design specification has been developed to inform individual schemes and ensure consistency of approach. It also determines how the environmental impact can be minimised and all proposed lighting designs will be expected to fall within the design parameters set out below.

This paper provides information on the Light Up the City grants program and outlines the criteria for a project to be eligible for funding.

2.0 Grant Criteria

To encourage an imaginative and sustainable approach to the design and implementation of façade lighting projects, the criteria for Light Up the City grant awards have been made as flexible as possible.

The following sets out the criteria for grant awards:

- 2.1 Buildings eligible for the scheme must be listed in the City Planning Scheme or the State Heritage Register. Places which meet the criteria for listing but are not currently included on any of the statutory lists (City Planning Scheme and the State Heritage Register) will be accepted provided an application to be entered on the relevant register is lodged.
- 2.2 All proposed heritage façade lighting installations must comply with the required brightness and intrusive light criteria, energy performance targets, equipment maintenance and service life standards, set out in the 'Light Up the City Façade Lighting Technical Guidelines' (*Appendix 1*).
- 2.3 Grants for any one project will generally be in the range 30-50% of total cost. Only in exceptional circumstances will this grant range be exceeded.
- 2.3 Projects will not only be judged on their technical performance, but also on the aesthetic quality of the lighting design, which should highlight particular building features and draw attention to the character and individual qualities of façades without being too intrusive in the surrounding area.

3.0 Eligibility

- 3.1 Aspects of façade lighting projects eligible for grants include:
 - 3.1.1 Initial design
 - 3.1.2 Purchase of lighting and ancillary equipment
 - 3.1.3 Installation and commissioning
 - 3.1.4 Minor building works necessary to allow installation of lighting equipment
 - 3.1.5 Upgrades of existing lighting installations to enable them to conform to the Heritage Perth Façade Lighting Specification
- 3.2 The following will *not* be eligible for grant aid:
 - 3.2.1. Major building works associated with a lighting project
 - 3.2.2 Operational costs
 - 3.2.3 Retrospective funding
 - 3.2.4 Projects which fall outside the boundaries of the City of Perth (a map showing the area covered can be found on the Heritage Perth web site: www.heritageperth.com)

4.0 Grant Conditions

Applicants must agree to meet the following general conditions before grant aid will be allocated:

- 4.1 Applications must be lodged before the project begins and no work shall be undertaken prior to the approval of funding by the Heritage Perth Board.
- 4.2 All projects must have the written permission of the owner.
- 4.3 The applicant is responsible for obtaining all approvals from relevant authorities such as the City of Perth and Heritage Council of WA.
- 4.4 Contractors performing work or providing services will be paid directly by Heritage Perth. Creditor invoices must be addressed to the Heritage Perth Inc. and endorsed for payment by the project's architect or consultant.
- 4.5 All electrical installation must be carried out by a suitably qualified and registered electrical contractor.
- 4.6 To maintain the installation in accordance with reasonable life of service standards
- 4.7 To light up the facades at times to be reasonably determined by the parties, but this is expected to be during the evening of each day, with special lighting for particular occasions such as Christmas and Australia Day (the ability to provide special lighting will be dependent on design considerations).
- 4.8 Will, at their own expense, effect and keep current public liability insurance covering legal liability to third parties in respect of property damage or loss or personal injury or death arising from or in relation to a façade lighting scheme, with a limit of liability of not less than \$20,000,000 per event
- 4.9 Only one grant will be available per property.
- 4.10 At the completion of the project the property may appear in Heritage Perth literature such as annual reports and promotional material, web sites, etc.
- 4.11 The Heritage Perth Board reserves the right to revoke any offer of grant aid should they have reason to believe that the work has not been carried out in accordance with the original application.
- 4.12 Heritage Perth may consider staged payments by prior agreement. All such payments will be made at previously agreed stages, subject to work having been completed to the satisfaction of the appointed heritage consultant.
- 4.13 Grant offers will lapse if not claimed within two years of approval. If extenuating circumstances have prevailed, this period may be extended at the discretion of the Heritage Perth Board. Applicants whose grant offer has lapsed are at liberty to reapply should the project become active once more.

4.14 All applicants must be willing to meet conditions that may be imposed by the Heritage Perth Board.

4.15 All grants are at the sole discretion of the Board of Heritage Perth.

5.0 Grant Making Process

It is vital that sufficient information is provided for each application to enable an informed assessment to be made by the Board of Heritage Perth.

The information must clearly demonstrate how the works proposed meet the design criteria outlined in Appendix 1 of this paper. Additional information in the form of design drawings, photographs, copies of specifications, etc. must also be appended to an application.

5.1 Application Form (Appendix 2)

The application form requires the following detail from all applicants:

- 5.1.1 All relevant permissions sought/granted
- 5.1.2 ABN and GST status
- 5.1.3 Project details, including property involved, detailed description of the work to be carried out
- 5.1.4 Where property is involved, Certificate of Title or Crown Lease
- 5.1.5 Heritage listing status
- 5.1.6 Itemised costings for the project
- 5.1.7 Anticipated start and completion dates
- 5.1.8 Details of all other funding sources
- 5.1.9 Details of applicant's own financial contribution and in-kind contributions

The onus is on the applicant to submit an accurate and comprehensive funding application.

5.2 Application Process

The grant application process is as follows:

- 5.2.1 The applicant contacts the Heritage Perth to determine whether their proposal could be eligible for grant aid
- 5.2.2 Grant application form, etc issued/downloaded from Heritage Perth web site
- 5.2.3 Applicant submits a completed application form and other documentation
- 5.2.4 Applications will normally be acknowledged within two weeks of receipt
- 5.2.5 Any necessary checks and consultations made
- 5.2.6 Heritage Perth Board determines the application and the applicant is advised of the outcome within two weeks of the meeting
- 5.2.7 Any changes to the specification, necessary during the execution of the project, must be notified to Heritage Perth immediately they occur and not left until the works have been completed

6.0 Project Commencement and Completion

6.1 *Upon commencement:*

- 6.1.1 Heritage Perth should be notified at the commencement of all projects.
- 6.1.2 Staged payments can be made on the presentation of creditor invoices, signed by the approved heritage consultant.

6.2 *Upon completion of works:*

- 6.2.1 Heritage Perth should be notified of completion and an inspection of the project may be undertaken.
- 6.2.2 All outstanding creditor invoices, signed by the project architect or consultant to be presented for payment by Heritage Perth.



Wesley Church, Heritage Perth's first 'Light Up the City' project.



Light Up the City FAÇADE LIGHTING TECHNICAL GUIDELINES

The proposed heritage façade lighting installation will comply with the required brightness and intrusive light criteria, energy performance target, equipment maintenance and service life.

Brightness of Heritage Facades

While it is of the utmost importance to highlight particular features and draw attention to the character and individual qualities of façades, it is equally necessary to discourage the “over-illumination” of heritage buildings and places.

The calculated exitance (brightness) value across the illuminated building facade shall be no greater than:-

- **an average of 10 lumens per square metre (M) in instances where the selected façade is considered to be located within an area of nil or very low ambient light,**

or

- **an average of 50 lumens per square metre (M) in instances where the selected façade is considered to be located within an area of low to medium ambient light,**

or

- **an average of 100 lumens per square metre (M) in instances where the selected façade is considered to be located within an area of bright ambient light.**

Explanatory Notes:

1. The above average brightness values are considered to be a maximum in each case and applicants may elect to design to a lower brightness if appropriate.
2. Exitance has been selected as the preferred metric for brightness assessment purposes.
exitance (M) = illuminance (E.lux) x reflectance factor of building facade.
3. Designers who are skilled in the night-time interpretation of building facades will appreciate that light-technical results calculated in exitance (M) already take into consideration the variety of building finishes available in terms of reflectivity, and the many viewing positions that may be available.

Service Life & Maintenance

The service life of any lighting system is dependant primarily upon the luminaires' ability to withstand the environmental conditions in which it is installed. To ensure a reasonable service life, appropriate treatment of all materials should be considered. Where conditions are such that electrolytic action may persist, the designer/installer must use similar metals and "copper-free" aluminium. Where luminaires and associated equipment are exposed to the weather, corrosion-resistant materials and combinations of materials shall be used.

- **Design methods and selected equipment must ensure a service life of at least 15 years from the date of commissioning.**

The ultimate success of a lighting installation often depends on upon just how well it is maintained. The functions of any required re-lamping, cleaning, and re-aiming should be considered as a fundamental part of the total design.

- **All schemes will incorporate low maintenance equipment and methods.**

Obtrusive Light

In order to properly view and fully appreciate the various lighting treatments to heritage facades, it is important to control the effects of obtrusive light, the two forms of which are:-

- Glare - to onlookers, vehicle drivers, and pedestrians
- Unwanted spill-light - to neighbouring buildings and property, into the night sky, onto animal natural habitats and flying insects

Obtrusive light is unnecessary and control measures should be incorporated at design stage. The control of obtrusive light is also part of environmental and sustainable lighting design which is to be encouraged.

- **All lighting designs will comply with AS 4282-1997: "Control of the Obtrusive Effects of Outdoor Lighting".**

Explanatory Notes:

1. AS 4282 deals in the main with controlling the obtrusive effects of direct light sources such as lamps, luminaires, luminous strip lighting, decorative point sources, and the like.
2. Design limits have been placed on the brightness of the building façades earlier in Section A "Brightness of Building Facades", with a view to the control of reflected light.

Lighting Energy Density Target

The reduction of electrical power or connected load is an important aspect of any lighting design; however a key element of the Light Up The City program is energy-efficiency.

Energy = power x time, and savings in energy can be achieved by reducing either the amount of *power* consumed (watt or kilowatts), or by reducing the *time* the power is used (hours).

- All proposed lighting installation will meet, or fall short of, the maximum allowable lighting energy density target of 0.05 kilowatt-hours per square metre per night of building facade.

Explanatory Notes:

1. Lighting Energy Density is a function of *system power* (kilowatts) x *nightly run time* (hours) per *area of façade to be illuminated* (square metres).
2. The size of any windows, openings or doors, whether lit or unlit, shall be included in facade area under consideration.



Light Up the City
Grant Applications for Façade Lighting Projects

Grant Application Form

Please answer all questions

The onus is on the applicant to submit an accurate and comprehensive funding application.

(please attach additional pages if necessary)

1. *Applicant/Owner Details:*

Name:

Address:

Postcode:

Telephone:

Facsimile:

ABN N°:

GST status:

Are you the owner of the building? Yes/No

If you are not the owner, please attach evidence of the approval of owner for this project.

2. *Property Details:*

Name of Place:

Address of Place:

Certificate of Title No. or Crown Lease No:

Is the property listed in various schemes? Yes/No *(if yes, please state which schemes: State Register of Heritage Places, Municipal Inventory, City Planning Scheme, National Trust, etc.)*

3. Project Details:

Description of Project: *(brief description of the lighting design envisaged)*

Has an architect/consultant been employed to oversee the work? Yes/No *(if yes, please supply full details of the consultant concerned)*

Please attach a detailed budget for the project specifying:

- Design specification and equipment to be used
- Costings for the project. This includes itemised costs, with quotes for identified tasks/works or estimates from relevant professionals.
- Details of other funding sources.
- Details of applicant's own financial contribution and in-kind contributions (labour, value of material, services etc).
- Anticipated start and completion dates:

Will staged payment be required for the work? Yes/No *(if yes, please supply a timetable of the work, demonstrating at which points in the schedule payments would be required)*

I have read the Heritage Perth Light Up the City grant guidelines. I certify all the information provided is current and correct, and I give permission for Heritage Perth to contact any relevant person or organisation in the processing of this application.

Signed: _____

Print Name: _____

Date: _____

No correspondence will be entered into in relation to Board decisions on grant applications.

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