

APPENDIX 9 – STATEMENT OF HERITAGE IMPACT

Assessment of Impacts to Heritage

AMSA determines that negative impacts to the heritage values of the Green Cape Lightstation will be limited to minor alterations to original/early heritage fabric. It has been determined that the work will have monumental positive impacts with the re-commissioning of a heritage AtoN, and the removal of redundant electrical equipment and modern AtoN structure.

Positive Impacts	Negative Impacts
• Reinstatement of the original use/function of lighthouse as an active marine AtoN • Lessen impact of modern electrical set-up on aesthetics • Removal of modern AtoN from landscape	• New penetrations in heritage fabric

The work included within the scope is necessary to recommission the lighthouse tower and restore its AtoN function/use.

Mitigation measures: Throughout the duration of the works, various precautions (listed below) will be put in place to ensure no impact is made to the Lighthouse's heritage values.

General:

- No work will infringe on the Keeper's Cottages, sites of archaeological significance, or areas of environmental conservation.
- No fabric will be permanently removed from the structure aside from the following:
 - Existing drive motor (redundant)
 - Existing drive motor gear box (redundant)
 - Existing incandescent light source and attached light stem (redundant)
 - Existing lantern room junction boxes
 - Existing corroded conduits
- Upgrades to the electrical configuration will seek to minimise visual impact inside the lighthouse.
- Removed fabric will be documented before, during and after removal.
- Fabric outlined in the scope for temporary removal during the works will be returned to their existing position.
- New enclosures will be installed through non-penetrative means (freestanding).
- Daily reports will be generated and provided to AMSA.
- The work will be inspected at completion to ensure compliance with Burra Charter Guidelines.
- Any follow up works required will be scheduled ASAP.
- A Heritage Fabric Register (See Attachment 4. for example document) will be completed following the work.

LED light source installation:

- No changes will be made to the historic lens or pedestal, only modern electrical equipment will be removed.
- Removed redundant equipment will be provided to NSW NPWS for potential interpretative display.

Lens drive motor replacement:

- Existing penetrations/fixings in the clockwork mechanism enclosure will be utilised where possible and any additional fixings required will be limited to the bare amount needed.
- Removed redundant equipment will be provided to NSW NPWS for potential interpretative display.

Enclosure installations (lantern room and powerhouse):

- Enclosures installed will be freestanding and non-invasive.
- Enclosures will be white to limit impacts to visual aesthetics of the lantern room and powerhouse.

Solar panel replacement:

- The new solar panels will utilise the existing solar panel frame, footings, and existing conduits.
- The surround soil and landscape will not be disturbed.

Cable routing:

- Existing conduits and penetrations in the fabric will be utilised.
- In the instance new penetrations are required, they will be limited in number, and installed in suitable areas (such as stonework mortar) so as to limit impact on heritage fabric.
- New PVC Conduits are to match existing size or smaller (if not exact match) and will be painted to existing colour scheme.
- Where conduit fixing points are damaged – they will be repaired and reused.

Modern AtoN removal:

- Helicopter touchdown areas will be restricted to existing hardstand, highly disturbed areas.
- All materials slated for removal will be disposed of appropriately.
- Concrete foundation slab will be left undisturbed, and no excavation will be undertaken in the surrounding landscape.

Summary

The scope of works are necessary to recommission the Green Cape Lighthouse and restore its original function as an active AtoN. The works are confined to the lighthouse tower, Powerhouse building, solar panel array and modern AtoN tower – no other areas will be impacted by the works, including the Keeper's Cottages, sites of archaeological significance, or areas of environmental conservation.

AMSA has determined that the works proposed do not threaten the place's heritage values and will instead enhance the significance of the tower. It is also understood that the mitigation measures in place will reduce the risk of impacts to the place's heritage values.