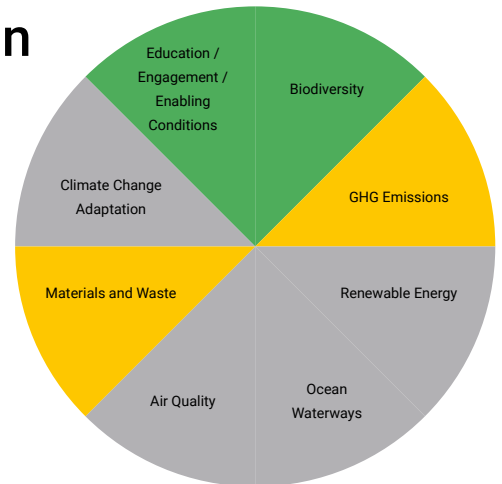


English Garden House roof restoration at Mount Edgumbe FINAL



Assessment ID: ENG926

Assessment Author: David Marshall

Project Summary:

Restore the roof - make it watertight - protect the historic Grade II* interior. Replace water catchment that has rooted out. Restore drainage in the garden.

Summary of Assessment:

Biodiversity Score: 3

Biodiversity Score Justification: Bat surveys completed, mitigation included in Listed Building Consent process - all agreed

Biodiversity Score Mitigate: Yes

Biodiversity Revised Score: 5

Biodiversity Revised Score Justification: Bat friendly breathable membranes, access and materials all included in the project

GHG Emissions Score: 2

GHG Emissions Score Justification: Limited use of replacement materials (as the original materials and roof slates are to be retained from the historic structure). The roofing felt - which has completely rotted away needs replacing with a bat-friendly membrane - the substance has been developed using ecologically friendly materials. Lead will be used where required to replace lead features on the historic structure. Some limited contractor use of vehicles onsite.

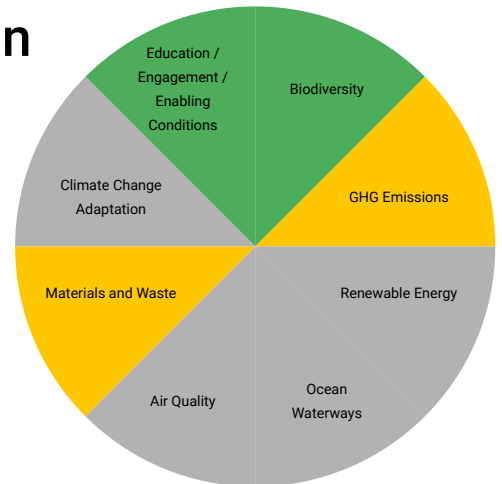
GHG Emissions Score Mitigate: No

Renewable Energy Score: 3

Renewable Energy Score Justification: The English Garden House has a domestic electric supply which maintains an intruder alarm system. This very low usage of electrical supply will be maintained.

Renewable Energy Score Mitigate: No

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Ocean and Waterways Score: 3

Ocean and Waterways Score Justification: No water. No toilets. Run-off catchment designed to feed immediate EGH garden.

Ocean and Waterways Score Mitigate: No

Air Quality Score: 3

Air Quality Score Justification: No plant. No emissions.. Local garden will be maintained as is

Air Quality Score Mitigate: No

Materials and Waste Score: 2

Materials and Waste Score Justification: There will be a limited short-term requirement to remove and dispose of broken slates and rotted roofing felt. There will be no long term impacts.

Materials and Waste Score Mitigate: No

Climate Change Adaptation Score: 3

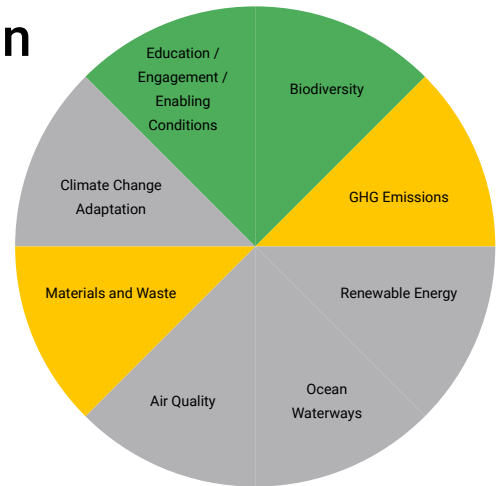
Climate Change Adaptation Score Justification: Historic Building - Grade II* listed. The roof has to be restored using exactly like-for-like materials. No urban heat gain or loss. The building will host walking group visits and will remain where it has been since the early 1720's - no changes to flood risks.

Climate Change Adaptation Score Mitigate: No

Education / Engagement / Enabling Conditions Score: 5

Education / Engagement / Enabling Conditions Score Justification: All groups visiting the English Garden House will learn about the biodiversity crisis - especially in relation to bees and

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gardening and rare plants and trees. All groups will learn about insect friendly planting and all groups will be on walking tours

Education / Engagement / Enabling Conditions Score Mitigate: No

Wheel Key

- Long lasting or severe negative impact
- Short term or limited negative impact
- No impact or neutral impact
- Short term or limited positive impact
- Long lasting or extensive positive impact