

25/09/2019

To SCEGGS c/o Sandrick Pty Ltd,

Green Star

The existing Wilkinson House does not likely meet current NCC Energy Efficiency requirements and presents a challenge in implementing current Green Star & ESD initiatives. Retention of existing fabric leaves little room to target various materials, energy, and thermal comfort requirements. This is due to existing building fabric likely not meeting acoustic requirements, thermal insulation, natural ventilation, natural day light, glare control, building air tightness and current industry standards requirements, thus rendering a portion of the Green Star target points as not achievable.

The construction of a new building will address the above noted issues and will provide SCEGGS the opportunity to further target current industry standard ESD Principles & Green Star credits such as energy efficient HVAC and lighting systems, high performance building fabric using passive design principles (i.e. insulation, glazing, shading), energy modelling techniques, PV cells, metering and monitoring strategies, water efficient fixtures and fittings, health-conscience construction materials such as low VOC paints or low formaldehyde wood products, high quality indoor environment such as thermal comfort and acoustic comfort, and furniture and fixtures with consideration of its life cycle impacts. The new building will target a minimum 4 Green Star rating, with a potential to achieve a 5 Green Star rating.

Sincerely,

Jane Lai

Lead ESD Engineer

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