

**Ecosystems Services Statement in support of Planning Application PP-12732672**

Installation of 21 ground-mounted solar panels in the garden of Bridgefoot, Stedham, Midhurst, GU29 0PT

|   |  |
|---|--|
| No impact   | a) Sustainably manage land and water environments;   |
| No impact   | b) Protect and provide more, better and joined up natural habitats;  |
| No impact   | c) Conserve water resources and improve water quality;   |
| No impact   | d) Manage and mitigate the risk of flooding;   |
| The proposed system will save 1.8 tonnes of CO2 emissions annually which is equivalent to the planting of 83 trees  | e) Improve the National Park's resilience to, and mitigation of, climate change;                                     |
| No impact   | f) Increase the ability to store carbon through new planting or other means;   |
| See submitted Soils Management Plan   | g) Conserve and enhance soils;   |
| No impact   | h) Support the sustainable production and use of food, forestry and raw materials;                                   |
| The solar array is forecast to produce a total of 9.2MWh of electricity per year and is expected to reduce the property's reliance of electricity from the national grid (for which coal and gas is still the largest source) by 61%. It would power an air source heat pump, ensuring that clean, renewable energy is used to power this clean, renewable heating system, and allow the owners to cease use of LNG for cooking. It will also help to power a electric car which is very much less polluting that a pure fossil-fuelled vehicle | i) Reduce levels of pollution;   |
| No impact   | j) Improve opportunities for peoples' health and wellbeing;  |
| No impact   | k) Provide opportunities for access to the natural and cultural resources which contribute to the special qualities. |