

Utilita Bowl

Solar PV Equipment Installation

Planning Application Statement

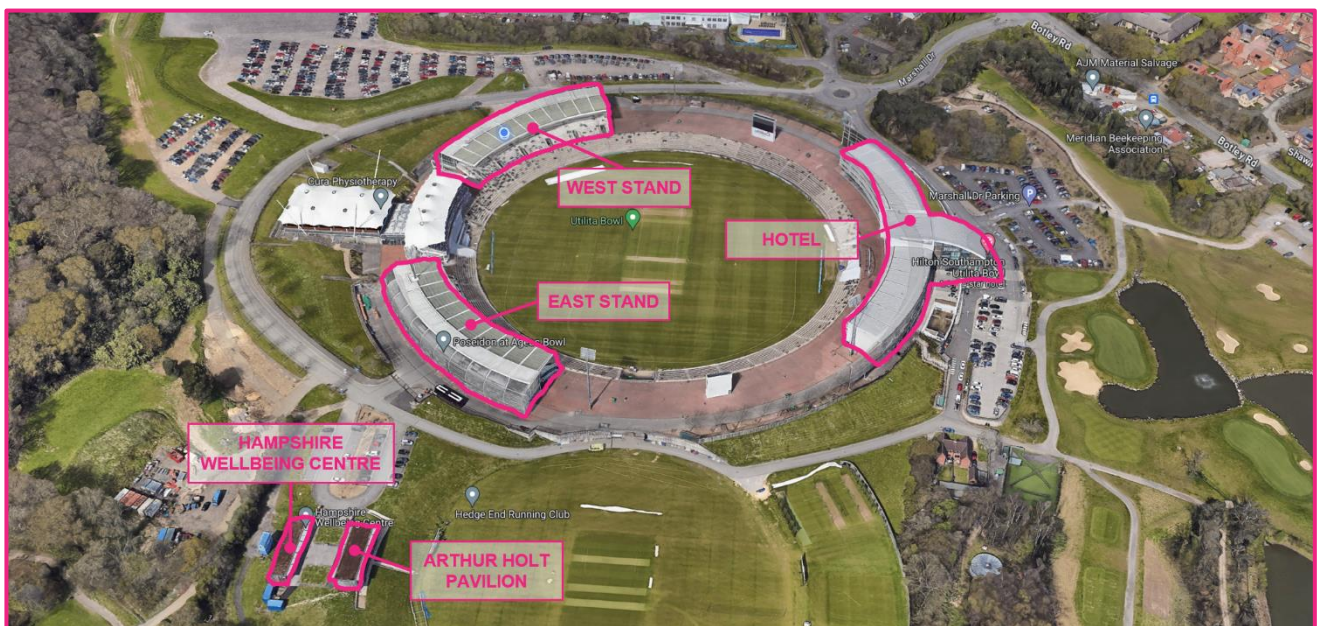


As a part of the newly formed relationship with Utilita Energy, the Utilita Bowl has set out a bold vision for creating the greenest international cricket venue in the world. The first step of many in this pro-planet partnership is the proposal to install 1044 solar panels on various roofs across the venue. This document summarises the extent of the install and to demonstrate compliance with Part 14, Class J of the General Permitted Development Order, 2015.

As part of the Prior Approval Application this document is accompanied by the following drawings and information to further clarify the proposal:

- Utilita Bowl PV-001 [P07]
- Utilita Bowl PV-002 [P05]
- Utilita Bowl PV-003 [P02]
- Utilita Bowl PV-004 [P02]
- Utilita Bowl PV-005 [P01]
- Utilita Bowl PV-006 [P01]
- GL-EN-TwinPlus-T-182-108-10BB-Black Frame

During the feasibility assessment, five buildings on site were highlighted as being viable to have solar PV equipment cited on their roofs. These are known locally as the Hotel, East Stand, West Stand, The Arthur Holt Pavilion and The Hampshire Wellbeing Centre, shown on the below mark up.



The Hotel can accommodate the largest number of panels with a proposal of 624 panels, each with a capacity of 415W and a total capacity, therefore, of 258.96kWp. The roof on the hotel is a standing seam system and is pitched. The brackets for these panels will be clamped onto the seams as are detailed in the accompanying information.

The East and the West stands are identical footprints but mirrored, so the proposal is the same for both. The proposal is for 186 panels on each stand with a capacity of 415W per panel and a total capacity, therefore, of 77.19kWp for each stand. The roof on each stand is a standing seam system and is pitched. The brackets for these panels will be clamped onto the seams as is detailed in the accompanying information.

The Arthur Holt Pavilion and the Hampshire Wellbeing Centre are buildings of a similar footprint, so the proposal is the same for them both. The proposal is for 24 panels on each building with a capacity of 415W each and a total capacity, therefore, of 9.96kWp for each building. Each building has a flat roof system, the frames to hold the panels will sit on a suitable mounting system.

Altogether, the proposed system will have a total capacity of 433.26kWp. As part of the feasibility study, the venue's half hourly consumption data was also reviewed and the forecasted power generation for the system, at peak, is 381,829 kWh. Such generation of power would result in a reduction of 80,947.75 kg of CO² per annum.

To evidence compliance with Part 14, Class J of the General Permitted Development Order, 2015, there is an extract below of each of the clauses and how, if applicable, they are complied with.

J.1 Development is not permitted by Class J if—

(a) the solar PV equipment or solar thermal equipment would be installed on a pitched roof and would protrude more than 0.2 metres beyond the plane of the roof slope when measured from the perpendicular with the external surface of the roof slope.

The Hotel, East Stand and West Stand all have pitched roofs. On these buildings the top of solar PV equipment will protrude 111mm (+/- 5mm) beyond the plane of the roof slope. The section showing the build up and dimension is shown on drawing number, Utilita Bowl PV-002 [P05].

J.1 Development is not permitted by Class J if—

(b) the solar PV equipment or solar thermal equipment would be installed on a flat roof, where the highest part of the solar PV equipment would be higher than 1 metre above the highest part of the roof (excluding any chimney).

The Arthur Holt Pavilion and Hampshire Wellbeing Centre have flat roofs. The highest part of the solar PV equipment will be 0.34 metres above the highest part of the roof as is shown on drawing number, Utilita Bowl PV-006 [P01]

J.1 Development is not permitted by Class J if—

(c) the solar PV equipment or solar thermal equipment would be installed within 1 metre of the external edge of that roof.

All the solar PV equipment will be mounted >1m from the roof edge of the building that they are on. The dimensions for each building, to show compliance, are shown on drawing number, Utilita Bowl PV-001 [P07].

J.1 Development is not permitted by Class J if—

(d) in the case of a building on article 2(3) land, the solar PV equipment or solar thermal equipment would be installed on a roof slope which fronts a highway.

The proposed solar PV equipment would not be installed on a roof slope which fronts a highway.

J.1 Development is not permitted by Class J if—

(e) the solar PV equipment or solar thermal equipment would be installed on a site designated as a scheduled monument; or

The Utilita Bowl is not a scheduled monument.

J.1 Development is not permitted by Class J if—

(f) the solar PV equipment or solar thermal equipment would be installed on a listed building or on a building within the curtilage of a listed building.

The Ageas Bowl is not within the curtilage of a listed building.

J.2 Development is not permitted by Class J(a) or (b) if—

(a) the solar PV equipment or solar thermal equipment would be installed on a wall and would protrude more than 0.2 metres beyond the plane of the wall when measured from the perpendicular with the external surface of the wall.

None of the proposed solar PV equipment will be wall mounted.

J.2 Development is not permitted by Class J(a) or (b) if—

(b) the solar PV equipment or solar thermal equipment would be installed on a wall and within 1 metre of a junction of that wall with another wall or with the roof of the building; or

None of the proposed solar PV equipment will be wall mounted.

J.2 Development is not permitted by Class J(a) or (b) if—

(c) in the case of a building on article 2(3) land, the solar PV equipment or solar thermal equipment would be installed on a wall which fronts a highway.

None of the proposed solar PV equipment will be wall mounted.

J.3 Development is not permitted by Class J(c) if the capacity of the solar PV equipment installed (together with any solar PV equipment installed under Class J(b)) to generate electricity exceeds 1 megawatt.

The total system capacity of the proposed solar PV equipment is 433.26kW and therefore < 1mW. The capacity of the system on each building is shown on drawing number, Utilita Bowl PV-001 [P07].