



ALEXANDRA PARK AND PALACE CHARITABLE TRUST
BOARD MEETING
15 JULY 2024

Report Title: Sports Club Solar Panel & South Terrace LEDs projects
Report of: Mark Evison, Head of Park and Environmental Sustainability
Purpose: To inform the Trustee Board of projects to install solar panels on the sports club pavilion, and LEDs on the South Terrace.

Local Government (Access to Information) Act 1985 - N/A

1. Recommendations

To note the contents of this report and to consider any feedback from the stakeholder committees.

2. Executive Summary

- 2.1 This report provides an update on the Community Carbon Fund grants recently awarded to the Trust by Haringey Council.
- 2.3 The Advisory and Consultative Committees were invited to consider the information during their respective meetings on 1st July and provide advice or feedback for consideration by the Trustee Board at its meeting on 15th July.

3. Background

- 3.1 The Trust's new vision is to be a sustainable home for all that we do and several projects are being undertaken to reduce our environmental impact. This report describes two projects that have recently been awarded funding by Haringey Council.
- 3.2 In March 2024, Haringey Council awarded Community Carbon Fund grants for two carbon reduction projects at Alexandra Park and Palace:
- Installation of Solar Panels on the sports pavilion
 - Installation of LED lights on the South Terrace

3.3 Installation of Solar Panels on the sports pavilion

In partnership with the Alexandra Park Club, the Trust will install 24 solar panels onto the roof of the pavilion together with associated equipment inside the building. It is estimated that the panels will generate an output of 10,000 kWh of electricity per annum. This will avoid emissions of 2.25 tonnes CO₂e each year (based on 2023 carbon factors).

- 3.4 Activity at the club tends to take place on weekday evenings and at the weekends. Due to the pattern of usage, it is estimated that around 4,400 kWh of electricity will be used directly by the club and the remaining 5,600 kWh will be exported to the grid each year.
- 3.5 The panels will be installed on the southern aspect of the pavilion roof, overlooking the main cricket square, figure 1. The image shows an indicative layout of the panels. The layout may be amended according to factors including the location of the main consumer unit, and the limitations of the roof space.

Figure 1. The Sports Pavilion, indicative layout of solar panels



- 3.6 The Council have confirmed that the project will require planning permission. A planning application is being prepared alongside this report. The committees are asked to consider the project and provide any comments of advice to the Board. Individual members will also be able to comment on the application through the planning process.
- 3.7 More details can be found in the Design and Access Statement at Appendix 1.
- 3.8 **LED lights on the South Terrace**

There are 52 decorative lamps along the South Terrace, figure 2. The Community carbon Fund has supported a project to replace the old inefficient lamps with new low energy LED lamps. These LEDs have been colour matched to replicate the soft glow of the original.

Figure 2, example South Terrace lighting column



- 3.9 The new lamps require half as much power as the originals and it's been estimated that they will save 7,370 kWh of electricity a year. This saves emissions of 1.65 tonnes of CO₂e a year.
- 3.10 These projects are a part of our exciting work to reduce energy consumption across the estate this year:
- Further replacement of old lights with low-energy LED alternatives and new controls.
 - Replacement of six belt-driven heating pumps with modern variable pumps that are 42% more efficient
 - Installation of Air Source Heat Pumps on the West Yard Building

4. Legal Implications

The Council's Assistant Director for Legal & Governance has been consulted in the preparation of this report and has no comments.

5. Financial Implications

The Council's Chief Financial Officer has been consulted in the preparation of this report and has no comments.

6. Use of Appendices

Appendix 1 Design and Access Statement

7. Background Papers – None

Appendix 1

DESIGN AND ACCESS STATEMENT **INSTALLATION OF SOLAR PANELS ON THE ROOF OF THE CRICKET CLUB SPORTS** **PAVILION** **ALEXANDRA PARK, ALEXANDRA PALACE WAY, LONDON N22 7AY**

Introduction

This Design and Access Statement has been prepared and submitted in support of an application for planning for the installation of 24no solar panels on the roof of the Cricket Club sports pavilion building, located in Alexandra Park.

The sports pavilion building is c.365m² and is of brickwork construction. Built around 1997, the building is used as a sports pavilion with changing and showering facilities and social space. The roof is made of corrugated metal with a grey finish and is South-East facing.

This statement should be read in conjunction with other supporting information provided as part of this application.

Proposed Development

Works will include the installation of 430W Jinko Tiger solar panels to the existing roof. There will be 24 panels and each panel measures 1762x1134 mm. They will be attached using Fastensol mounting rails

The full scheme is supported by Haringey Council's Community Carbon Fund and will assist the charity in moving towards a more environmentally sustainable future.

Design Process

There is limited opportunity to influence the design process, however the brief to the contractor was to take into consideration the Park's setting and listed status.

The panels measure 30mm in height, so will have limited impact on the profile of the sports pavilion roof. The building is of limited significance – it was built in 1997 and is of modern construction.

Key stakeholders have been made aware of this application, including the Alexandra Park and Palace Advisory and Consultative Committees.

Amount

The project will consist of the installation of 24no solar panels, measuring 10.6 x 4.5m and will cover less than 50m² in total of the sports pavilion roof, which measures 365m².

Use

The solar panels will generate around 10,000kWh of green energy a year which will help reduce the club's electricity consumption and feed excess to the grid.

Layout

The 24no panels will be laid out as per the indicative drawing called indicative view of panels.png.

Scale

The sports pavilion roof measures 365m², and the 24no panels will cover less than 14% of the roof.