

Porter, Karen

From: john cooper <c.a.d@btconnect.com>
Sent: 13 February 2015 10:04
To: _planningadvice
Subject: H16-0110-15 D & R PROPERTY SERVICES LTD o
Attachments: Holland House PV Estimated Output.pdf

F.A.O. Julie-Anne Middleditch

Hi Julie-Anne

Please find attached additional information regarding the renewable energy output of the Phot-voltaic cells.

Hope it is of some use.

Regards

John
Cooper Architectural Design Ltd

RJ Wilson

ELECTRICAL AND MECHANICAL ENGINEERS

A17 WASHWAY ROAD
HOLBEACH
SPALDING
LINCOLNSHIRE
PE12 8LT

TEL: 01406 423331

FAX: 01406 425533

info@rj-wilson.co.uk

www.rjwilsonelectricalmechanical.co.uk

RE: R K Wilson – Holland House development, Spalding

Please find attached the estimated annual output figures in kWh for the proposed PV installations at the above development.

Yours sincerely,

Stephen Modd
Qualified Supervisor



NIC1848



00047725



019480000



REF1006915



29503

R.J. WILSON ELECTRICAL LTD

Company Registration Number: 3536024

VAT Registration Number: 711 5043 82

Quotations are subject to Terms & Conditions available at –
www.rjwilsonelectricalmechanical.co.uk/terms-and-conditions

SYSTEM COST AND ESTIMATED PERFORMANCE CALCULATIONS

Project Name: R K WILSON HOLLAND HOUSE DEVELOPMENT

Estimated annual output for the 7.50 kWp PV system installed to the apartments adjacent to Holland House

SYSTEM ENERGY PERFORMANCE INFORMATION	
Installation Data	
Installed capacity of PV system - kWp (STC)	7.5
Orientation of the PV system - Degrees from South	41 °
Inclination of the PV system - Degrees from horizontal	50 °
Postcode zone	12
Calculations	
kWh/kWp (Kk) from tables	898
Shade Factor (SF)	1
Estimated annual output in kWh (kWp x Kk x SF)	6735

ESTIMATED

The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the standard MCS procedure is given as guidance only. It should not be considered as a guarantee of performance.

This system performance calculation has been undertaken using estimated values for array orientation, inclination or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values.

SYSTEM COST AND ESTIMATED PERFORMANCE CALCULATIONS

Project Name: R K WILSON HOLLAND HOUSE DEVELOPMENT

Estimated annual output for the 2.00 kWp PV system installed to the town houses (x5)

SYSTEM ENERGY PERFORMANCE INFORMATION	
Installation Data	
Installed capacity of PV system - kWp (STC)	2
Orientation of the PV system - Degrees from South	44 °
Inclination of the PV system - Degrees from horizontal	35 °
Postcode zone	12
Calculations	
kWh/kWp (Kk) from tables	905
Shade Factor (SF)	1
Estimated annual output in kWh (kWp x Kk x SF)	1810

ESTIMATED

The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the standard MCS procedure is given as guidance only. It should not be considered as a guarantee of performance.

This system performance calculation has been undertaken using estimated values for array orientation, inclination or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values.