

Mr S Hissett
Development Management
London Borough of Hounslow
Civic Centre
Lampton Road
Hounslow
TW3 4DN

7th July 2015
Ref: P/2015/2516

Dear Stephen,

RE: PLANNING APPLICATION FOR THE ERECTION OF A NEW 'ALL-THROUGH' FREE SCHOOL AT SYON LANE, ISLEWORTH.

I write further to your email received 1st July 2015 in respect of the energy statement submitted in support of the above planning application.

Within your email you requested the following additional information:

Energy Modelling:

(1) Please clarify the carbon dioxide emissions reductions of the proposed development against a Part L (2013) baseline.

CO2 Emissions	
Part L 2013 TER	15.5kgCO ₂ /m ²
Part L 2013 (LEAN/CLEAN)	15.2kgCO ₂ /m ² (-1.9%)
Part L 2013 (GREEN)	10.0kgCO ₂ /m ² (-35.5%)

(2) Please clarify the energy demands (kWh) and associated carbon dioxide emissions (kgCO₂) at each stage of the energy hierarchy.

Energy Consumption			
End Use	Part L 2013 Baseline (Notional)	LEAN/CLEAN	GREEN
Heating	14.11kWh/m ²	17.01kWh/m ²	17.01kWh/m ²
Cooling	0kWh/m ²	0kWh/m ²	0kWh/m ²
Auxillary Energy	8.14kWh/m ²	8.9kWh/m ²	8.9kWh/m ²
Lighting	12.05kWh/m ²	9.21kWh/m ²	9.21kWh/m ²
Hot Water	10.36kWh/m ²	11.16kWh/m ²	11.16kWh/m ²

(3) Please submit the associated BRUKL reports.

Please see attached.

Solar Photovoltaic System:

(1) Please complete the attached 'Solar PV Feasibility Table'.

Solar PV Information Required		
Model	Yngli Solar YGE 60	
Efficiency	16	%
Number of PV panels	505	
Area of PV panels	820	m ²
Total Capacity (Installed Power)	131	kWp
Total Energy Output	99048	kWh/year
Electricity Generated	56	%
CO ₂ Offset	53724	kgCO ₂ /year
Emissions Reductions	35	%
Additionally, FiT information can be provided		

BREEAM:

(1) Please submit a BREEAM preliminary-assessment detailing how the proposed development can secure an 'Excellent' rating.

This information is currently being worked on and will be provided as soon as practically possible.

I trust this assists in the consideration of the application, if you require anything further please do not hesitate to contact me.

Yours sincerely



LIZ FITZGERALD
ASSOCIATE
FOR VINCENT AND GORBING
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