All TBC Build	0			tting a	Il electricity	afte	er demand reductior	measure	s implemen
System Sizing by Are	a		Generation Breakdown				Panel Data		
Area required	3,475 m2	- Annual Generation	625,500	kWh			Panel type	Mid Per	formance
Estimated capacity	695.00 kWp	- Offset units	469,125	kWh	(75% est)		Specific peak output	20	0 W/m2
		- Exported units	156,375	kWh			Annual output	90	0 kWh/kWp
System Capacity & Ex	xport								
PV system chosen capacity	695 kWp	Annual Revenue	Breakdown				CO2e Offset Scenario)	
Solar collection factor (shading)	100 %	Export bonus payment		£	8,601		Scenario	T/CO2e	Equiv Elec kWh
Current electricity tariff	13.6 p/kWh	Potential Import savings		£	63,686		Projected 2030 emission factor	60.57	
kWh used on-site (offset)	75 %	Total Benefit		£	72,286		2019 emission factor	197.30	624,395
Deemed export rate	25 %								
		Economics							
Export Generation		Full installed COST		£	486,500				
Bonus for exported	5.5 p/kWh	Cost per kWp		£	700				



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Economics		
Full installed COST	£	486,500
Cost per kWp	£	700
Basic ROI		14.9%
Simple	67 voar	6
Payback	6.7 years	5

Approx Installation Costs - For Typical Roof
Systems

Likely Installed Costs (excl. any necessary infrastructure costs)						
Solar PV - 25KW+	£	1,000 /kWp				
Solar PV - 100KW+	£	800 /kWp				
Solar PV - 250kW+	£	700 /kWp				