

## SOLAR PHOTOVOLTAIC

### SUMMARY OF PROPOSED INSTALLATIONS

## APPENDIX 2



SITE	BLYTH SPORTS CENTRE	PRUDHOE WATERWORLD	WENTWORTH LESIURE	TOTAL
Capital Cost (£)	<b>£228,000</b>	<b>£125,000</b>	<b>£369,000</b>	<b>£722,000</b>
PV Output (KW)	221	132	326	
KWH	170,865	107,975	252,687	
% Used Directly by the Building	87%	90%	97%	
Energy Saved (KWH)	149,165	97,393	245,612	
% of Building Demand Supplied by Solar	18%	21%	22%	20%
£/KW	£1,031.67	£945.25	£1,131.90	
Revenue Savings (Energy) - Lifetime (£)	<b>(£555,030)</b>	<b>(£335,460)</b>	<b>(£1,123,670)</b>	<b>(£2,014,160)</b>
Revenue Costs (inc. cost of capital) - Lifetime (£)	£501,400	£301,200	£796,100	£1,598,700
Net (Saving) / Cost - Lifetime (£)	<b>(£53,630)</b>	<b>(£34,260)</b>	<b>(£327,570)</b>	<b>(£415,326)</b>
Direct Carbon Saving yr 1 - tCO <sub>2</sub>	20.40	13.30	34.50	68.20
Direct Carbon Saving Full Project - tCO <sub>2</sub>	249.90	163.12	423.40	836.42