



Proposition 3: The Pembroke Schools, Leisure Centre and Dock SLES

Proposition 3 is located in Pembroke and is geographically closer to the hydrocarbon-based energy industries on the Haven waterway. As such, this proposition promotes a geographical spread with prospects on stepping up to a wider SLES in the long term as the industrial partners on the Milford Haven waterway seek to decarbonise.

The project considers potential incorporation of existing solar generation assets into the SLES and identifies opportunities for additional renewable generation.

The outcome of Proposition 3 suggests that it is not a strong SLES candidate as modelled. The outcomes mainly consist of a large capacity of solar PV that predominantly exports its generation to the national grid for income. There is little to no district-level integration between the buildings' heating systems and very limited interaction between energy vectors.

It does however demonstrate the opportunity to increase local renewables but there is a need to understand the wider system constraints and connection cost implications for any specific site under consideration for new renewables development.

2020 CAPEX with 66% Optimism Bias (£million)	2050 CO2 emissions (kg/kWh)	2020 LCOE (£/kWh)	MCA Score
22.2	0.001	0.030	2.1

