

Proposition 1: The Milford Haven Marina SLES



Proposition 1 focuses on the assets owned by the Port of Milford Haven (PoMH). The proposition considers the existing Liddeston Ridge Solar farm as a key supply asset alongside prospective PV and wind extensions, as well as the potential for rooftop PV on the PoMH buildings. The demand assets across the heat, power and transport vectors include the existing and proposed buildings and the commercial vehicle fleet owned by PoMH.

The analysis showed that further expansion of renewable assets and closer integration between those assets and the demand at the waterfront would be beneficial. The preferred option for expansion is a 2.5MW wind turbine with a 3.5MW solar PV expansion as second preference. Either a power purchase agreement (PPA) or a private wire connection to the waterfront demand is also recommended.

2020 CAPEX with 66% Optimism Bias (£million)	2050 CO2 emissions (kg/kWh)	2020 LCOE (£/kWh)	MCA Score
16.4	0.002*	0.081	3.4

*Modelling for proposition 1 has been undertaken to a greater level of detail due to additional funding and therefore has only been run for the 2020 scenario at this higher level of detail.**



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