

SHEERWATER REGENERATION



HOT WATER GENERATION

3-bed and larger dwellings will be provided with unvented hot water storage cylinders. The hot water cylinders are heated primarily via the solar hot water system, topping up by the condensing boiler during periods where the required hot water demand cannot be met by the solar hot water system. For 2-bed dwellings, hot water will be generated instantaneously via the boiler.



BOILERS

Gas-fired, low NOx and high efficiency condensing boilers (minimum SEDBUK rating of A) will generate heating energy for the dwellings.

ELECTRICAL DISTRIBUTION



Low Voltage (LV) circuits from the dwelling's Mains Consumer Unit (MCU) will be distributed throughout the dwelling to serve light fittings, white goods and equipment.



PV PANELS

Photovoltaic cells mounted on the roof provide clean and sustainable energy for the dwellings



EXTRACT FANS

All dwellings will be provided with separate high efficiency extract fans in WCs, bathrooms and utility rooms



SPACE HEATING

Low temperature hot water (LTHW) generated by the boiler provide space heating for the dwelling via underfloor heating on the ground floor and radiators on the upper floors. Bathrooms and en-suites will be served by 'dual-fuel' towel rails.



EV CHARGING POINT

Electric Vehicle charging points will be provided on the exterior of the building



INCOMING UTILITIES

Incoming utilities serving each dwelling will be connected off the site-wide infrastructure for the redevelopment. Each dwelling will have dedicated water, gas and electrical supplies, with the meters located externally. Telecommunications for the dwellings are also provided via external cable boxes.



GAS



WATER



ELECTRICAL



SUSTAINABILITY



HEATING



VENTILATION



COOLING



HEATING