

Going Green at



Heating your Home

All domestic hot water and heating will be provided by a District Heating System, which will be metered and invoiced by Charter Housing, the landlord.

There will be an Energy Centre located at Mariners Quay which will provide the heating. This will house the biomass boiler, combined heating and power system and gas fired boilers to provide the heating energy, which will all be linked to a central thermal store and distribution pumps.

There will be no gas supply to the properties.

Water Recycling

Greywater and rainwater harvesting measures will be installed. The rainwater will be collected from the roof and the greywater from the baths, showers and basins. The water will be filtered and treated to European bathing standards which can then be used to supply wcs and washing machines.

Other technical stuff

- All homes are designed to high thermal efficiency meaning very low running costs for residents.
- Mariners Quay is designed to include sun spaces to apartments in order to harness solar gain.
- A wood chip Bio-mass Boiler will provide 50% of the space heating.
- Electrical renewable technology will be used to off-set the carbon used on Mariners Quay.
- Whole house ventilation and a heat recovery system will be utilised to minimise ventilation heat losses.
- Water efficient fittings will be used throughout i.e. water saving taps, showers, low volume bath.
- 100% energy efficient lighting will be used throughout.
- Low energy appliances (fridge freezer, washing machine, dishwasher) will be installed in every property.
- High performance windows (tripled glazed to houses).
- Where possible renewable materials locally sourced and 'A' rated in The Green Guide will be used, thereby reducing the environmental impact of the materials.

All residents will be shown how everything in their home works. They will also receive a "Green Guide" that explains how they can live in both a more cost-effective and environmentally-friendly way in their new home.