

Reductions in Use of Energy

REDUCTIONS IN USE OF ENERGY, WATER AND BUILDING MATERIALS : POLICY STATEMENT

DEVELOPMENT, 5/7 BUCK STREET, CAMDEN TOWN.LONDON NW1 8NJ

The Applicant is firmly committed to expanding and promoting energy conservation, reducing the use of natural materials and resources and minimising waste during the construction process.

ENERGY

The applicant recognises the introduction of energy efficient and renewable energy technologies and that by reducing environmental impact and cosequential lower running costs will attract true value to the Development.

Designers engaged on this Project have considered a number of renewable energy technologies and include biomass heating, biomass combined heat and power, ground sources heating, ground sourced cooling, borehole cooling, solar heating, solar power panels and wind turbines. It is accepted that it is incumbent upon the Applicant to demonstrate by design an energy efficient Development which has considered combined heat and power, passive solar design and other sustainable energy options.

The extent of the site surrounded on all sides by existing building precludes consideration of some renewable energy technologies and it is therefore likely that only solar heating systems and solar power systems will be appropriate for installation in this Development.

The Design Team are focussed upon the use of solar energy to heat water and solar power panels to create an electric current and this combined with passive solar design to take advantage of available daylight and to either use or avoid heat gain dependent upon the heating or cooling requirements of the building.

Current initiatives already taken by the Applicant to reduce energy consumption in his Property Portfolio include

- installation of motion switches
- turning off equipment at close of business
- turning off computers at close of business
- regulation of temperatures based upon temperature and humidity relationship
- increase of insulation walls, floors, ceilings
- use energy saving bulbs
- installation of condensing boilers
- installation of voltage controllers
- reduction of voltage and currents to circuits

WATER

Eco Homes Assessments and Reports illustrate the importance given to water consumption and it is likely that Water Companies will introduce progressive targets that require consumption to be cut from level one and will require active water capture and recycling measures to meet targets from level five onwards.

Designers engaged on the Project are to consider installation of the following:

- low-flush toilets
- low-water urinals
- waterless urinals
- water conservation fittings
- rainwater harvesting
- greywater recycling

Key issues for special consideration of rainwater capture and greywater storage are:

- source
- treatment methods
- storage
- collection and distribution pipework

following which Designers will detail:

- tank sizing
- tank location
- filtering
- treatment
- monitoring systems
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Calvert Kemp Project Management

REDUCTION OF USE OF MATERIALS AND RESOURCES

The Applicant subscribes to waste reduction practices and reducing waste at source and directs consideration of the following

- use of standard material sizes
- reduction of packaging
- waste reduction control procedures
- on-site construction measures
- off-site construction measures

The Contract for the Works will include for the recycling and reuse of the following:

- bricks from demolition
- timber from demolition
- scrap timber
- metals
- cardboard
- gypsum
- plaster
- rubble
- glass
- asphalt

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REDUCTIONS IN USE OF ENERGY WATER AND BUILDING MATERIALS: POLICY STATEMENT PREPARED BY
CALVERT KEMP PROJECT MANAGEMENT



Michael D Calvert, Partner

04 February 2008

Date