

ASSESSMENT OF RENEWABLE ENERGY OPTIONS (typically 3 - 10 days, dependant on the site location, access and size)

Objectives:

Different renewable options will be compared helping the client to select a package of appropriate measures that could then form part of an overall energy strategy. The study should enable the client to then make an informed decision about which options to pursue further.

Renewable Energy Options:

The renewable energy technologies covered by the study will depend on which are the most applicable to the site, the time available for the work and the interests of the client.

For example: solar water heating, solar photovoltaics, wind turbines, hydro power, biomass fuels (e.g. wood pellets and wood chips for space heating), ground source heat pumps, biofuels for heat or power generation and small scale renewable energy applications. Energy efficiency measures may also be covered if appropriate.

Work Description:

1. Site survey, initial meeting with client:

- establish estimated energy requirements, from past bills and recent changes.
- discuss preferences and interests of the client for renewable technologies.
- identify potential locations for renewable installations agreeable to client
- site-specific practical issues, access, shading, overhead obstructions
- identify main renewable energy options to be focused on in the study
- identify potential for further energy efficiency measures
- explain the ROC system and available grants, if applicable

2. Written Summary Report with budget estimates:

To provide information on a range of renewable energy schemes applicable to the site and the clients project; for example indicative values for the following may be included:

Technical:

- energy that could be generated from on-site renewable energy schemes
- CO₂ emission reductions
- estimates of appropriate system sizes
- potential location for installations
- site-specific practical issues

Financial:

- capital costs of renewable energy plant
- fuel cost savings
- ROC earnings potential

Advice on planning and other logistical issues and availability of grants can also be provided.

In general up to half the time is spend on the site, interviewing the client, gathering data, measurements and copies of energy documentation. The other half is spent away from site analysing , formulating and writing the report.

Studies are charged based on the time involved, plus travel at 50p/mile.

Accommodation if applicable, and other expenses are charged at cost.



Renewable Energy Systems Specialists

16 Carleton Rise, Welwyn, Hertfordshire, AL6 9RF

Tel. 01438 712398 ~ e-mail planetenergy@btinternet.com ~ www.planetenergy.co.uk

Solar Thermal, Photovoltaic, Bio-Diesel, Hydro & Wind Power, Biomass Heating, Water Harvesting, Heat Pumps, Steam & Ind. Fluids