

OWSEP Programme of Work

- **Phase I (January 2002 – December 2002).** *Undertake a feasibility study:*
 - ⇒ Quantify green waste arisings in the TV region over the next 10 years.
 - ⇒ Give consideration to the impact of modified collection strategies to enhance the volume and/ or quality of the green waste feedstock arising to enhance viability/ sustainability
 - ⇒ Review existing and growth markets for green waste calling upon the latest information derived in the South East Regional Assessment (work currently being carried out under contract for Government Office for the South East (GOSE)/ South East Economic Development Agency (SEEDA) and the South East Regional Assembly (SERA)
 - ⇒ Examine the technologies available for energy generation from green waste (composting, anaerobic digestion, combustion etc.) drawing on best practice in the UK and overseas. This will include the advantages and disadvantages of the combination and include an appreciation of their relative merits in terms of greenhouse gas emission abatement
 - ⇒ Review the potential link with existing initiatives and shared infrastructure (e.g. landfill gas abstraction projects, composting facilities)
 - ⇒ Identify potential sites/communities for demonstration projects through the use of tools such as GIS/ spatial mapping followed by initial community consultation.

The work will be carried out in close co-operation with waste and composting fora already established in the Thames Valley.

It will be linked to a Thematic Network, BIOCOGEN, under the auspices of the European Commission 5th Framework Programme. This network will run for 2 years addressing the green waste and hybrid biomass topic area.

DELIVERABLES

- ⇒ Hold a **workshop**
- ⇒ Phase I **report** of all activities carried out and referenced
- ⇒ A **summary report**
- ⇒ Produce **publications** (at least two) in either professional or trade journals
- ⇒ Give a **paper** on the results at one national and one international (e.g. European) waste event or conference
- ⇒ Provide **input** and **linkage** to the ACTVaR (Association of Councils of the Thames Valley Region).

- ⇒ **Promote** through the TV Energy network of organisations (local, regional, national and international)
- ⇒ **Hold first Thematic Network international meeting** either in the UK or Greece in partnership with the selected industrial partner (e.g. waste in the UK)

The phase I reports and workshop proceedings can be viewed from the website. [Phase I reports](#)

- **Phase II (January 2003 – December 2003).** *Develop a potential demonstration project:*

This work will cover:

- ⇒ Undertaking a detailed site-specific analysis of the most promising sites in the Thames Valley (e.g. by using LA21/socio-economic analysis, identifying potential partners and community champions and identifying planning and local policy issues)
- ⇒ Prioritise sites identified using key criteria (economic, social and environmental)
- ⇒ Give consideration to the impact of modified collection strategies to enhance the volume or quality of the green waste feedstock made available at priority sites to enhance viability/ sustainability. Carry out pilot studies if determined to be a significant factor for later analysis.
- ⇒ Hold six community/ site meetings to discuss and seek consensus on implementing a hybrid solution at a given prioritised site (to cover collection, management and final utilisation/ disposal)
- ⇒ Hold initial discussions with other interested public and private sector parties.
- ⇒ Examine the possibilities for financial support (UK, European Commission, other)
- ⇒ Develop a project specification for a 'bankable' project' detailing technology, costs, site(s)

This phase will draw particularly on:

- The IEA Task 29 Socio-economic modelling and assessment work, using the latest methodologies and outputs
- Reading University partner to assist with modelling activities (sociology, economics and technical departments) using secondment
- LA planning and environmental officers who again may be seconded for a period into the Agency
- The ACTVaR grouping to engage Councillors across the sub-region and gain political support

- GOSE, SEEDA and SERA partners to advise on broader regional strategy, RPG and sustainability framework implications
- Extensive European Commission contacts

DELIVERABLES

- ⇒ Hold **six community meetings** with interested stakeholders to discuss and seek consensus on implementing a hybrid solution at a given prioritised site
 - ⇒ Phase II **report** of all activities carried out and referenced including a listing and analysis of the sites chosen/ prioritised, waste collection strategies and any pilot trials
 - ⇒ A **bankable project specification** working with the waste industry, developers and financiers
 - ⇒ A **summary report**
 - ⇒ Produce **publications** (at least two) in either professional or trade journals
 - ⇒ Give a **paper** on the results at one national and one international (e.g. European or IEA) waste event or conference
 - ⇒ Provide **input** and **linkage** to the ACTVaR (Association of Councils of the Thames Valley Region), the European Waste for Energy Network (ALTENER network co-ordinated by the Danes) and the Waste Task in the IEA Bioenergy Agreement
 - ⇒ **Promote** through the TV Energy network of organisations (local, regional, national and international)
 - ⇒ **Hold second Thematic Network international meeting** either in the UK or Greece in partnership with the selected industrial partner (e.g. waste in the UK)
- **Phase III (January 2004 – December 2004)** *Facilitation of the uptake of the project.*
 - ⇒ This phase will cover: Continue to work closely with the waste industry, project developers and financiers to finalise a project specification and implement either in one phase or through a series of phases (e.g. given different technologies)
 - ⇒ Assist in the seeking of permissions including planning through use of the TV Energy network
 - ⇒ Continue and increase community liaison, consultation and support as deemed appropriate to the delivery of a project
 - ⇒ Assist with maintaining local political support
 - ⇒ Provide advice on local, regional and national policy
 - ⇒ Provide independent monitoring and/ or supervision of such a project either directly or through Agency partners
 - ⇒ Publicise the concept and the potential for replication through the Energy Agency web site, networks, educational and international activities

This phase will draw particularly on:

- LA planning and environmental officers who may be seconded for a period into the Agency
- Likewise waste officers to help maintain momentum and to advise
- Likewise LA21 officers in facilitating local support actions
- The ACTVaR grouping to engage Councillors across the sub-region and gain political support
- Partners such as Lloyds to advise on financing ventures and opportunities
- Extensive European Commission contacts

DELIVERABLES

- ⇒ Facilitate the construction of a **flagship hybrid waste demonstration project** within the Thames Valley
- ⇒ Hold **three meetings** with interested stakeholders to maintain consensus and to develop method for future deployment
- ⇒ Phase III **report** of all activities carried out and referenced
- ⇒ A critique of the **bankable project specification** used with lessons learned
- ⇒ A **summary report**
- ⇒ Produce **publications** (at least two) in either professional or trade journals
- ⇒ Give a **paper** on the results at one national and one international (e.g. European or IEA) waste event or conference
- ⇒ Provide **input** and **linkage** to the ACTVaR (Association of Councils of the Thames Valley Region), the European Waste for Energy Network (ALTENER network co-ordinated by the Danes) and the Waste Task in the IEA Bioenergy Agreement
- ⇒ **Promote** through the TV Energy network of organisations (local, regional, national and international)
- ⇒ **Hold third Thematic Network international meeting** in a partner country with the third selected industrial partner hosting