

## GEM / ISO14001 MANAGEMENT REVIEW:

OCTOBER 2004 TO SEPTEMBER 2005**Annexe 2: Progress on Carbon Management Action Plan (CMAP) Actions due to start before October 2005 GEM**

CMAP Action due to start	Progress to date
Energy Monitoring linked to Billing Schools/Buildings (trial)	<p>Progressing jointly with West Mercia Supplies (WMS) and npower regarding which scheme to proceed with. Npower "smart" meters appear to be the way forward as they allow data to be monitored in near real time, thus avoiding reliance on estimated bills.</p> <p>Once in place, these meters are expected to allow corrective action to be taken on an exception basis when excessive consumption relative to "benchmarks" is registered</p>
Landfill Gas Design	<p>Outline design has started jointly with a potential service provider. The likely favoured option is a subcontracted installation paid for by sale of a proportion of the power sales contract. The unit would occupy one or two containers, including all services, and would be remotely monitored, operated and serviced by the contractor. Grid connection costs have been determined.</p> <p>The landfill gas generator needs to be implemented before end 2008/09 since after that date the Government intends to remove landfill gas generators from Renewable Obligation qualification (to be put before Parliament in April 2006). Existing generators at that date will remain within the scheme until 2027.</p> <p>Key funding for additional boreholes to be drilled in autumn 2005 was not achieved – this has introduced a 12 month delay and the work will need to be completed in summer 2006 to allow implementation in 2007/08.</p> <p>The price obtained for renewable power has increased from 6.5 p per unit in the CMAP to 9.5 p per unit (Oct 2005), a 46% increase, which increases the already promising annual revenue potential of this scheme by a further £100,000 a year.</p>
Energy Services Review (ESCO)	<p>The review was proposed to WMS at their last board meeting and agreement obtained to proceed to design and develop a Herefordshire scheme.</p> <p>Since that decision Worcestershire have agreed to join with Herefordshire in developing a system and the work on the detailed billing structures will begin in the new year.</p> <p>Shropshire and Telford &amp; Wrekin can elect to join at any time in the future. Each scheme is ring fenced for participating authorities.</p>

---

Further information on the subject of this report is available from Trish Marsh, Sustainability Officer on 1930

Transportation Emissions Data (from Council contractors)	<p>Transport emissions data have yet to be included in the CMAP. The largest potential savings is expected to result from the adoption of "Trapeze" transport logistics software, which is being implemented in Adult Social Care and Children's Services as part of the LTP.</p> <p>Trapeze is being implemented now and will be operational from start of 2006/7. A baseline will be determined for March 2006 as part of the CMAP review.</p> <p>The CMAP will pick up the change in journey distances linked to the newly announced bio-fuel obligation which will require up to 5.4% of bio-diesel and bio-ethanol to be added to road fuels by 2010.</p>
Fuel Poverty Strategy	<p>Fuel Poverty Strategy funding was secured from NEA and the process begun. Two workshops were held and the results co-ordinated into a preliminary strategy. The process has now been halted until such time as a new HECA (Home Energy Conservation Act) officer is appointed and can act as Lead Officer.</p>
Property Rationalisation	<p>Property rationalisation is continuing and planned to expand beyond the original assumptions included in the CMAP. The additional changes will be built into the annual CMAP review due in March 2006.</p>
No Cost Measures	<p>Resource Efficiency Code was issued under GEM (annexe 3): energy was included as a separate heading focussing on no-cost measures.</p>
Low Cost Measures	<p>Low cost measures have been reviewed. Amongst those with the best potential are the use of PowerPerfecter® equipment in schools and corporate buildings to match voltage levels and produce up to 20% reductions in power demand.</p> <p>A series of on-site test results have been undertaken in a school, however, further data is needed and further sites are being investigated.</p> <p>New low cost voltage conditioning units suitable for lighting looms are being investigated. The focus remains reducing electricity demand and cost.</p>
Medium Cost Measures	<p>Medium term cost measures include the on-going "energy conservation" programme. A methodology for quick appraisal under building maintenance and new build conditions is being written.</p>