

Energy Use Action Plan

Challenge	Actions	Time scale	Progress	Cost	Responsible officer
1. Identify possible areas of improvement in housekeeping.	Energy use assessment to be done by Green Advocates ¹ .	Now Jan 09	Results have been gathered and looked at by the Green Advocates. A list of ideas has been compiled and the top 4 actions to complete will be: <ul style="list-style-type: none"> ➤ Fluorescent stickers on computer screens ➤ Light bulb replacement ➤ Money saving display in reception. ➤ Removal of cups from water dispensers COMPLETE	Saving: Likely to be low	GA's and all
2. Reduce consumption from IT	Replacing new PC's with more energy efficient units (Thin Clients)	Ongoing	Linked to a rolling programme to renew PC's. Start made	Saving: Low start increasing with roll -out.	IT Roger Standing
3. Reduce consumption from IT	Virtualisation project - Replacing existing 46 computer servers with fewer, more energy efficient ones.	2009-10	More detailed report to be presented to the Executive in due course. Due current financial year	Saving: Not yet identified.	IT Roger Standing
4. Restricted budget for energy efficiency improvements	Ensure office buildings are on green energy tariff, which makes savings from not paying the climate change levy. Savings can be reinvested on energy efficiency measures.	From September 2008	Energy tariff was reviewed in September 08 and changes will come into affect in November 08. Savings from Climate Change levy can be used towards more energy efficiency measures. Main office on	Saving: £4000 per year (See figure 1) Cost: From approved capital programme provision	Steve Holt/Roger Standing

¹ Green Advocates is an initiative that was launched in December 2007. Approximately 45 Waverley volunteers signed up to motivate and encourage colleagues to adopt a more sustainable approach to work, set the example and actively help top make Waverley a greener workplace.

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			green tariff - hypothecation not agreed		
5. Energy and money savings - Lights being left on in unoccupied rooms, use of kettles.	Install occupancy sensors in toilets and meeting rooms. Review hot water provision.	1 year Now Early 09	Money will be available from 09/10 capital programme. Due next financial year. "switch off" project widely supported.	Saving: Low start increasing with roll-out. Cost: From approved capital programme.	Steve Holt
6. Energy and money savings - Coffee machines left on all night and weekends	Investigate energy consumption of coffee machines and invest in timers for turning on/off.	December 2008	Investigation complete. It was estimated that by switching the machines off at night and during the weekend would save 2184 kWh / year. COMPLETE	Saving: £190 year net	Steve Holt
7. NEW - Energy and money savings – Voltage optimisation system installation at The Burys. (PowerPerfector)	Initial study has been done to install an optimisation system that will help us save a significant amount of electricity. The estimate is 14%.	09/10	Capital programme money has been allocated for its installation in 09/10. Not due yet.	Cost: £22,000 (from approved capital budget) Payback period 38 months	Steve Holt/Roger Standing
8. NEW - Energy and money savings – Reducing energy consumption from lighting in the Borough Hall	Changing light fitting in the Borough Hall to low energy ones (from 500 watts each to 55 watts).	May 09	Work will be completed end of May 09 and will save us approximately £3300 a year. COMPLETE	Cost: £5600 (from approved capital budget) Payback period less than 2 years	Steve Holt
9. Monitoring process to be set up to measure performance – Need in order to deliver NI185.	Establish a CO2 monitoring process to deliver NI185 (CO2 reduction from LA's operations)	March 2008	Officer meetings have taken place and all relevant people have been notified of the information that will be required. Have not had feedback from everyone yet. Due in March 09, reporting in July 09 - year on year thereafter.	Cost: From approved staffing resources.	Fotini to coordinate
10. Progress Carbon Reduction Management Programme Plan (2007)	Continue working on the actions suggested by the Carbon Reduction Management action plan.	Ongoing	In progress– see separate review	Commitment to NI186 could bring financial rewards through LAA rewards process.	
11. Behavioural change -	a) Publish energy consumption	a) 1 year –	a) b) EcoDriver is a system that will	a) Cost: £1,500 initial cost	Fotini/

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Promotion and information	<p>to staff on a year-to-year comparison basis.</p> <p>b) Explore possibilities of displaying live energy consumption in public areas.</p> <p>c) Energy Saving Week 08</p>	<p>ongoing</p> <p>c) November 2008</p>	<p>allow us to display real time energy information about our electricity consumption. The system has been ordered and in the early stages process of installing. Will be installed in 09/10 and communicated on Backstage</p> <p>c) COMPLETE – Theme to be repeated annually</p>	<p>and £99 monthly service charge.</p> <p>b) Cost: from within approved revenue budget</p> <p>c) Cost: from within approved revenue budget</p>	Steve H
12. Behavioural change - Education for staff	<p>a) Establish an energy efficiency staff-training programme on induction.</p> <p>b) Provide more specific energy awareness-fuel poverty training for staff with relevant public contact.</p>	By April 09	<p>a) An Energy Saving checklist to be produced for new employees to complete with Manager on first day. Due May 09</p> <p>b) Two training session were delivered in November 08. COMPLETE – May be repeated subject to funding</p>	<p>a) Cost: None</p> <p>b) Cost: £2000 (from approved training budget)</p>	Fotini and HR
13. Requirement to present Display Energy Certificate	Produce a Display Energy Certificate and make year on year improvements.	October 09 - ongoing	Completed for this year. To be renewed annually. COMPLETE - ongoing	Cost: Any costs will be contained within approved budget.	Nick Laker
14. Need to promote the use of renewable – low carbon energy	<p>a) Revisit the possibility of installing biomass boilers at the Burys to cover around 50% of heat demand.</p> <p>b) Solar thermal panel installation.</p>	<p>1-3 years</p> <p>January 09</p>	<p>a) This option is not feasible. Gas condensing boiler with Solar powered pre warming water flow has been installed instead. COMPLETE</p> <p>b) Installation is now complete. The solar panels will be preheating the water make savings on gas</p>	<p>a) Saving: identified in report to the Executive in July 2008.</p> <p>b) Cost: Contained within existing budget</p>	Roger Standing

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			consumption. COMPLETE		