

Targets

Energy

Sourcing

NLS currently procures electricity from 100% renewable suppliers. Our aim will be to maintain this practice.

Useage

NLS plant replacement covering Building Management System, chillers and humidifiers at Causewayside storage facility has resulted in a reduction in energy consumption of 16%, with cost savings of £17,000.

Building on the experience of this success we have set the following targets for future improvements in energy use:

Action	Estimated Annual Savings			Estimated Cost (£)	Timescale	Comments
	(£)	CO2 (tonnes)	(kWh)			
Energy management Practices	14,348	33.7	357,463	10,000	12/ 07	Energy Policy, Staff training and awareness, staff wardens and green teams. All designed to achieve behavioural changes necessary
GB replacement chillers	19,920	148.4	345,169	349,000	03/08	To be included in capital bid for 2007/8
GB demand based control for heating and cooling	2,670	31.3	164,818	1,200	03/07	If chiller replacement project is completed then further reductions can be achieved.
Modify GB stack area AHU's to utilise free cooling and fresh air modes automatically	4,306	38.3	112,797	3,869	03/07	Implementation costs to be obtained from sub contractors

Modify public area AHU's as above	3,791	31.1	94,225	3,869	03/07	Implementation costs to be obtained from sub contractors
Fine tune GB Optimum Start Stop (OSS) and BMS	2,963	23.7	67,673	1,200	03/07	Implementation costs to be defined after detailed study of current BMS software
GB sub metering	3,600	29.4	89,366	6,000	03/07	90% of site energy should be accountable for via sub metres
TOTALS	51,585	335.9	1,231,510	375,138		

Targets for waste, transport and travel, supplier performance and purchasing have not yet been set but will be defined through the work undertaken by the Green Teams, supported by the new Management Practices. These targets will produced for incorporation into the 2007/8 Corporate Plan.