

VPhase has completed its social housing trial with Great Places Housing Group. The trial, which took place between February and May 2010, saw the low-cost VPhase voltage optimisation unit installed in a number of tenants' homes to monitor its ease of installation as well as independently measure its energy and carbon saving capability.

Tenants involved in the trial were able to benefit from the immediate and significant money and energy savings the product delivers, without having to change their behaviour or electricity supplier. Importantly the VPhase unit is a simple solution to deliver a significant proportion (typically around one third) of many housing association's overall CO2 reduction targets.

Trial units were fitted in properties that represented the majority of Great Places housing stock. The results were independently analysed by energy experts EA Technology.



### Key features of the trial results:

- Average electrical energy saving of **8.7%** (range 8.5% to 8.9%)
- Average yearly CO<sub>2</sub> savings of **183kg** (range 160kg to 199kg)
- Estimated average whole house CO<sub>2</sub> reduction **3.6%** (range 3.5% to 3.7%)

### Matthew Harrison, deputy chief executive and director of development at Great Places Housing Group comments:

*"These results are very encouraging and we will now look at the viability of installing VPhase units in more of our houses."*

The low-cost VPhase unit uses voltage optimisation technology to reduce and regulate the incoming voltage to the home and manage it to a stable level, normally 220V in the UK. The result is considerable reductions to electricity costs, reduced wasted energy and lower carbon emissions without consumer behavioural change.

It can be easily fitted by a qualified electrician, requires no maintenance and will instantly save energy across a wide range of appliances throughout the home.

After fitting a VPhase an electrician commented:

*"The size of the unit and the straightforward setup meant it was quick and easy to install".*



The VPhase unit is fitted next to the fuse box and operates on socket outlets and lighting circuits where it can maximise savings. With around 5% of social housing stock being rewired every year it is best fitted whenever a new fuse box is fitted.