

## Woodend Farming Partnership

### buys electric vehicle to reduce costs and carbon emissions

#### Challenge

Woodend Farming Partnership aims to be self-sufficient and sustainable in its use of natural resources. Owner John Seed had already installed a biomass boiler, solar panels, and a wind turbine but he wanted to reduce his overheads and carbon footprint even further.

Fuelling 12 vehicles a year, at a cost of nearly £60,000 and 77.7 tonnes of carbon dioxide (CO<sub>2</sub>), was no longer an option.

#### Solution

John contacted the Energy Saving Trust for advice on replacing his Land Rover with an electric vehicle. The business transport advisor recommended that, before buying, he should use the free online 'Best in Class' search tool to compare the costs, CO<sub>2</sub> emissions and miles per gallon of cars and vans registered since 2001. Depending on the model, replacing his Land Rover with an electric vehicle could save him around £4,200 a year and 5.56 tonnes of CO<sub>2</sub> in tailpipe emissions.

FuelGood driver training, subsidised by Transport Scotland, could bring additional savings by reducing fuel consumption.

#### Result

An interest free, low carbon transport loan helped John to buy a plug-in hybrid Mitsubishi Outlander, which runs on electricity for short journeys and on a petrol engine for longer ones. Scottish Government funding covered the installation of an electric charging point.

The Outlander achieves 148 miles per gallon and emits 44g/km CO<sub>2</sub> compared with the previous vehicle, which managed around 32 miles per gallon and emitted 194g/km CO<sub>2</sub>.

Seven drivers received FuelGood driver training, achieving an average 21.3 per cent improvement in fuel economy and a 17 per cent reduction in fuel consumption. On their current business mileage, this equates to savings of around £135 for each driver, £812 to the business a year, and 221kg of CO<sub>2</sub> emissions for each driver.

“We all benefited from the training and the Outlander has performed better than we had hoped. It has been a success all round. We now plan to change two further vehicles for electric vehicles and really appreciate the help and support we got from the business transport advisor. We tell everyone to get on and do the same as us.”

**John Seed**  
Woodend Farming Partnership

To find out how Energy Saving Trust can help you cut carbon emissions and save money, visit our website [www.energysavingtrust.org.uk/bustrans](http://www.energysavingtrust.org.uk/bustrans) or email [sustainabletransport@est.org.uk](mailto:sustainabletransport@est.org.uk)

If you would like to speak to a transport advisor in your area please call **0800 0931 669**