

Planning for electric vehicles in Australia

For the past year, the AutoCRC has been conducting a project with UniSA to:

- * determine the impact that electric vehicles could have on transport emissions in Australia
- * determine the requirements for vehicle charging infrastructure, and the impact on electricity demand and supply.

Earlier this year, Peter Pudney was invited by Mitsubishi Motors Australia to travel with them as they presented their new electric car, the "i MiEV", to small groups of government ministers, government officials, fleet managers and the media. His presentation addressed the questions:

- * why should we be interested in electric vehicles?
- * how much can conventional technologies contribute to reducing CO₂?
- * how many cars can be replaced by electric cars?
- * how clean is electricity?
- * can the electricity infrastructure cope?
- * how much extra renewable energy do we need?
- * what charging infrastructure is required?

In this seminar, Peter will give essentially the same presentation that he gave on the Mitsubishi tour.

The presentation contains no equations, but many graphs.