

# Emissions Policy: Energy Efficiency Opportunities



## The Australian Government introduced the *Energy Efficiency Opportunities (EEO)* program in 2006.

The EEO Program requires corporations consuming large amounts of energy to identify, evaluate and publicly report on energy efficiency opportunities that meet or better a specific payback period. The program includes transport energy use.

### Is My Business Affected?

Corporations that use more than 0.5 PJ of energy per year – in total – are *required* to participate in Energy Efficiency Opportunities. There are more than 220 corporations (incorporating around 1200 subsidiaries) registered for the Energy Efficiency Opportunities program. These corporations are responsible for nearly half of all energy use in Australia.

Companies using less than 0.5 PJ of energy each year *may voluntarily* participate in the EEO Program.

Any business may benefit from reviewing energy efficiency opportunities identified by the largest energy users.

## What is Required?

The Australian Government sets specific requirements that must be met and demonstrated. For detail, see the links over the page.<sup>o</sup>

In summary:

- Participants are required to register and develop an *Assessment Plan*.
- Participants must then undertake regular detailed energy assessments in order to identify opportunities to improve energy use.
- Key results include the identification of energy efficiency opportunities with a simple payback period of up to 4 years.
- The results of the energy assessments must be reported publicly, and to the Australian Government, on an annual basis.
- Participants are free to decide whether or not they implement the energy efficiency opportunities identified.

### Further information:

Email: [DPTI.LowEmissionVehicles@sa.gov.au](mailto:DPTI.LowEmissionVehicles@sa.gov.au)

Web: [www.lowemissionvehicles.sa.gov.au](http://www.lowemissionvehicles.sa.gov.au)



Government of South Australia

Department of Planning,  
Transport and Infrastructure

## EEO Learnings for the Transport Sector

Challenges include data measurement (a lack of detailed data has been an issue) and the difficulty of meaningfully evaluating opportunities.

In real-world, Australian implementation, energy efficiency improvement opportunities have been found to deliver lower operational savings than expected. Even so, savings are still significant. *Actual* operational savings achieved and reported by Australian companies include:

- Hybrid drivetrains: 2% to 16%;
- Aerodynamic trailers: 5% to 8%;
- Lightweighting: 2% to 13%;
- Ecodriving: 0% to 20%; and
- Low rolling resistance tyres: 4% to 8%.

Depending to a degree on the context in which they were implemented, these savings represent the range of operational savings that can be reasonably expected. The higher figures are likely to represent a well-implemented program in a suitable context.

The Australian Government has produced supplementary information for the transport sector entitled *Measurement and Opportunity Evaluation in the Transport Sector*.<sup>99</sup>

See also the Australian Government's *Energy Efficiency Best Practice Case Studies* and the Federal and State Government's *Energy Efficiency Exchange*.<sup>99</sup>

*The South Australian Government provides this policy summary to assist the community, and is not able to warrant the currency or accuracy of the information in this fact sheet. The Energy Efficiency Opportunities Program is Australian Government policy and subject to change. Below are web links to information from the Australian Government.*

7367852 (12/2/13)

### See Also:

- [Emissions Policy: Australian Design Rules](#)
- [Emissions Policy: Carbon Pricing](#)
- [Emissions Policy: Fuel Standards](#)
- [Emissions Policy: Fuel Tax Credit](#)
- [Emissions Policy: In-Service Performance](#)

### External Links:

- [Australian Government's Energy Efficiency Opportunities Scheme](#)
- [Measurement and Opportunity Evaluation in the Transport Sector](#)
- [Energy Efficiency Best Practice Case Studies](#)
- [Electric Vehicle Conversion](#)

#### Further information:

Email: [DPTI.LowEmissionVehicles@sa.gov.au](mailto:DPTI.LowEmissionVehicles@sa.gov.au)

Web: [www.lowemissionvehicles.sa.gov.au](http://www.lowemissionvehicles.sa.gov.au)



Government of South Australia

Department of Planning,  
Transport and Infrastructure