

Reducing Emissions: Use and Operation



The way you operate your vehicle affects its emissions.

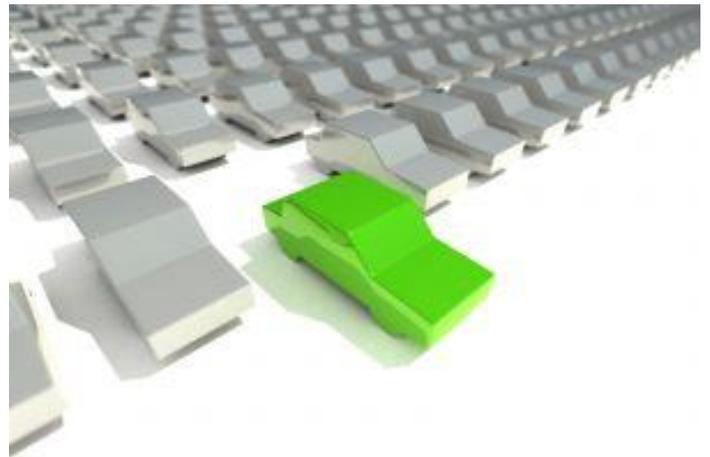
Basic maintenance, configuration and loading influence fuel use and associated emissions. The way a vehicle is driven is a significant determinant of its emissions.

The way a vehicle is allocated and used within a fleet context, too, affects the total emissions for a given transport task.

Vehicle Allocation in Fleets

Consider:

- Maintaining a fleet of vehicles matched to your driving task, rather than a single vehicle type specified for your maximum need.
- Operating a vehicle allocation system which matches the trip requirements to the vehicle's capacity. There is no advantage in allocating a large off-road vehicle for one person's short trip across the suburbs.
- Monitoring your vehicle and fleet's performance over time. This will enable you to quickly and accurately identify the outcomes of your allocation methods.



Basic Maintenance

For improved efficiency:

- Establish a routine for maintenance, including scheduled servicing, checking tyre inflation, oils, fluids, filters, etc.
- Consider testing your vehicle's emissions performance. An emissions test for diesel vehicles may satisfy Fuel Tax Credit eligibility and can help highlight any performance issues.

Further information:

Email: DPTI.LowEmissionVehicles@sa.gov.au

Web: www.lowemissionvehicles.sa.gov.au



Government of South Australia

Department of Planning,
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- Visit the [SA Biofuel and Electric Recharge \(SABER\) Fuel Map](#) to see where E10, E85 and electricity recharge points are available in South Australia.

Driving

Ecodriving is a smooth driving style which aims to reduce fuel consumption. The key ecodriving techniques are:

- Avoid unnecessary idling;
- Look up, plan ahead and mind the gap between your vehicle and the one in front;
- Drive smoothly. Keep a steady speed. Accelerate slowly and brake gently;
- Use ancillary loads, such as air conditioning, efficiently; and
- Change up through the gears quickly and drive with a low RPM

Route Selection

- Use GPS or other navigation technology to select the quickest and/or least congested routes before beginning trips.
- Use a single vehicle for multiple stops rather than a few vehicles for a few stops.

Aerodynamics and Loading

- Remove unnecessary loads from the vehicle, e.g. tool boxes, golf clubs and other portable equipment.
- Remove protruding accessories such as roof racks, bike racks and towing mirrors when not in use. If the entire unit can't be removed, at least take off any cross bars to reduce the frontal area, which causes drag.

Refuelling and Recharging

- If you have a petrol vehicle, check via the [Federal Chamber of Automotive Industries](#) site if your vehicle(s) are compatible with E10.
- Consider lower emission fuels such as E85, biodiesel, LPG and electricity when selecting your next vehicle.

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See Also:

- [Ecodriving](#)
- [Reducing Emissions](#)
- [Reducing Emissions: Vehicle Emission Types](#)
- [Reducing Emissions: Why Reduce Emissions?](#)
- [Reducing Emissions: Vehicle Selection](#)
- [Reducing Emissions: Refuelling / Recharging](#)
- [Reducing Emissions: Maintenance and Tyres](#)
- [Reducing Emissions: Aerodynamics and Loading](#)
- [Reducing Emissions: Low Emissions at Low Cost](#)
- [Reducing Emissions: Offsetting Emissions](#)
- [Fuel Tax Credits](#)
- [FCAI vehicle fuel information](#)

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