

# Reducing Emissions: Low Emissions at Low Cost



There are many ways to reduce vehicle emissions. Some options require effort and capital expenditure. Even though the business case may be strong, funding, time and resources may not be available.

This sheet provides some simple, low cost emissions reduction strategies.

## Vehicle Choice

- If you have a choice of vehicles for a given trip, select the most efficient one that still fulfils the task.
- Review efficiency when you buy or lease a vehicle. Also consider alternative fuel compatibility. More efficient vehicles capable of running on a range of fuels don't necessarily cost any more. See the Australian Government's *Green Vehicle Guide*, the *Fuel Consumption Database* or *Truck Buyers Guide*.<sup>10</sup>

## Tyres

- Keep your tyres properly inflated. Check the pressure regularly and adjust for vehicle loading.<sup>11</sup>

- When you next replace your tyres, choose a set with a low rolling resistance. They may not cost any more than other options and offer ongoing fuel savings.<sup>12</sup>

## Servicing and Maintenance

- Ensure your vehicle is properly maintained. Check oil and other fluids regularly, and use low friction lubricants where practical.
- Maintain your ancillary equipment – refrigeration, air conditioners, loading equipment – and ensure air and fuel filters are kept clean.

## Aerodynamics and Loading

- Remove excess weight from the vehicle – only carry what you need for the trip. Properly balance heavier loads on or in the vehicle.<sup>13</sup>
- Remove unnecessary protrusions from the vehicle, such as towing mirrors and luggage pods, especially for higher speed travel. Aerodynamic drag can account for up to half of all fuel consumption at highway speeds.<sup>14</sup>

### 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)



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## Trip Planning

- Work out your ideal route beforehand to avoid unnecessary driving. Consider alternatives, such as active or public transport. <sup>1</sup>
- Try to combine short trips together: Some vehicle emissions reduction systems operate only when they are 'warmed up', so emissions tend to be lower from a single trip than from several cold-starting trips covering the same distance. <sup>2</sup>

## Fuel Choice

- Check if your vehicle is capable of using a lower emissions fuel – most are compatible. Check with the manufacturer or, for petrol vehicles, visit the Federal Chamber of Automotive Industry's website. <sup>3</sup>
- Lower emission 'drop-in' fuels include E10, B5 and B20. There is a large number of LPG vehicles in use. <sup>4</sup>
- Lower emission fuels are similar in price to conventional counterparts, with the exception of LPG which tends to be cheaper. <sup>5</sup>

## Driving

- Avoid unnecessary idling – it consumes fuel and emits air toxics. <sup>6</sup>
- *Ecodriving* costs nothing to do, and reduces fuel consumption and costs by around 10%. <sup>7</sup>

## Use Our Toolbox

- We've provided a range of tools to help you reduce vehicle emissions. See the links to the right or visit our website for more information. <sup>8</sup>



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### See Also:

- [Transport Fuels](#)
- [Ecodriving](#)
- [Reducing Emissions](#)
- [Reducing Emissions: Vehicle Emission Types](#)
- [Reducing Emissions: Why Reduce Emissions?](#)
- [Reducing Emissions: Vehicle Selection](#)
- [Reducing Emissions: Vehicle Use and Operation](#)
- [Reducing Emissions: Refuelling / Recharging](#)
- [Reducing Emissions: Maintenance and Tyres](#)
- [Reducing Emissions: Aerodynamics and Loading](#)
- [Reducing Emissions: Offsetting Emissions](#)

### External Links:

- [Green Vehicle Guide](#)
- [Fuel Consumption Database](#)
- [Truck Buyers Guide](#)
- [FCAI Ethanol Compatibility List](#)

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