

## Measure, educate, monitor

Eco driving is easy to learn. Eco driving hardly feels foreign to drivers who have learnt to drive in modern vehicles. However, drivers who are used to techniques that were taught earlier can find it a bit harder to adjust to this new way of thinking.

One day of training with three hours of theory and two hours behind the wheel alongside an instructor is normally enough for bus and truck drivers. The cost is around SEK 3 000 – 4 000 plus VAT per driver.

- The first step is to measure fuel consumption in your vehicle fleet so you have figures to compare with
- Set a target for how much you want to save. Incentivise drivers – many hauliers find bonus schemes are very effective.
- Acquire a system that measures consumption, driving times, driving stretches and speeds. Keeping a driving log can be a good help, too.
- Establish a training plan for employees. Include refresher days in this.

With the help of ongoing monitoring you can achieve lasting improvement that can have a big impact on your bottom line. There is plenty of money to be saved, but you need persistence. Appoint someone to manage the process. By all means hire a fuel efficiency coach who can take care of the measuring, education and monitoring work. There is a nationwide network of eco driving trainers for cars and HDVs.

## Slow the greenhouse effect

2.32 and 2.48 kg of the greenhouse gas carbon dioxide are formed respectively for every litre of petrol or diesel a vehicle uses.

Carbon dioxide emissions cannot be filtered out. Catalytic converters and particulate filters remove emissions that are harmful to our health and the environment – but not the carbon dioxide that is causing climate change. So every litre of fuel you save means your carbon footprint is smaller.

**25 tons less greenhouse gas.** A long-distance HGV uses 100,000 litres of diesel a year. Which produces almost 250 tons of carbon dioxide emissions. For every 10 percent reduction in fuel consumption you reduce carbon dioxide emissions by 25 tons.

Please go to the **Swedish Road Administration** website [www.vv.se](http://www.vv.se) for

- a list of Swedish Road Administration approved trainers of eco driving for cars and HDVs (Heavy Duty Vehicles).
- information on various technological and administrative aids for fuel saving.
- tips and advice on how to drive more fuel efficiently and effectively.

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# Great savings every kilometre

– Eco driving can slash  
HDV fuel bills



**Heavy vehicles** mean heavy fuel costs. Vehicle fuel is one of the biggest cost items for transport companies. Which means reducing consumption offers huge financial savings. You can count these savings by the kilometre. Reducing your fuel consumption by 10 percent is a realistic goal – and can slash your fuel bill by millions of kronor. Large haulage companies that train drivers in eco driving and systematically monitor consumption are finding this a great way to become even more competitive.

All types of vehicle can profit from this – from heavy articulated trucks covering long distances to urban distribution vans and heavy-duty machinery. And it is so simple to achieve. Educate drivers in eco driving and review how vehicle fleets are used. And with the aid of various systems for monitoring consumption, you can see lasting results.



**“We saved almost one million SEK”**

“We cut our diesel bill by SEK 917,000 in a single year. Our carbon dioxide emissions fell by over 230 tons. All our drivers have their own fuel cards and all data are monitored monthly. A quarter of the savings go back to the drivers in the form of bonus payments – some of them now earn an extra thou-

sand kronor a month. The calmer tempo has also reduced wear and tear – our workshop has already noticed they do not see us as much.”

**Hasse Andersson, fuel efficiency coach at Ernst's Express AB in Avesta, Sweden that has some 30 HGVs**

**Lower fuel consumption, less wear and tear and less stress**

Many factors influence fuel consumption for a heavy vehicle – from speed and choice of road to the axle setting. The following are just a few examples of actions that can cut consumption:

- The right tempo for the most even speed possible can save fuel by reducing energy loss from braking.
- The right hill technique using a green rev count uphill reduces consumption.
- The correct tyres with correct pressure save fuel and carbon dioxide.
- Watch your speed. Sticking to legal speed limits is the most effective way of getting fuel consumption down.

**There are several heavyweight reasons** for eco driving:

- Lower tyre costs.
- Less wear and tear on vehicles and therefore lower costs for service and maintenance.
- Better working environment as a result of less stress in drivers.
- Increased road safety.
- Greater efficiency thanks to clearer rules and systematic costs monitoring.
- Lower emissions of carbon dioxide.
- Lower emissions of substances harmful health and the environment

**Eco driving** makes for greater efficiency and increased profitability. By doing your bit to reduce carbon dioxide emissions and helping the environment you are showing your customers and society that you care. An environment friendly profile is a clear competitive advantage. Public authority procurement of transport services increasingly includes reduced fuel consumption as a requirement. Bidders must be able to show how they can cut their fuel consumption and that drivers are trained in eco driving.



**Typical savings for a 50 ton rig on long distance routes**

	Before	After
<b>Fuel price SEK/l:</b>	<b>11.50</b>	<b>11.50</b>
<b>Annual distance driven km:</b>	<b>200 000</b>	<b>200 000</b>
<b>Annual consumption l:</b>	<b>100 000</b>	<b>90 000</b>
<b>Annual cost SEK :</b>	<b>1 115 000</b>	<b>1 000 000</b>
<b>Annual saving SEK :</b>	<b>0</b>	<b>115 000</b>