

## Lesson 2, Part C: CO<sub>2</sub> Saver Choice Cards

<p><b>Have your household plant 100 young trees this year.</b></p>	<p><b>Install a 2 kW rooftop solar system this year.</b></p>
<p><b>Cut 2 tumble dryer loads per week this year – hang clothes on the line to dry instead.</b></p>	<p><b>Reduce your heating and cooling by 1 degree through the year.</b></p> <p><i>(eg. heat the house to 22<sup>0</sup>C in Winter instead of 23<sup>0</sup>C <u>AND</u> cool the house to 23<sup>0</sup>C in the Summer instead of 22<sup>0</sup>C).</i></p>
<p><b>Buy and drive an electric vehicle instead of a petrol vehicle.</b></p>	<p><b>Cut the electricity used in your household by 20%</b></p> <p><i>(eg. by switching off unused appliances such as TVs and radios, avoiding unnecessary heating and cooling, switching off lights when they're not being used)</i></p>
<p><b>Have your household eat a vegetarian diet for half the days of the year.</b></p>	<p><b>Have your household invest in a seaweed farm this year, which pays for a tenth of an acre of seaweed cultivation.</b></p>

# Lesson 2, Part C: CO2 Saver Fact Cards

<p><b>1) Planting 100 young trees will absorb 1 200 kg of CO2 in a year.</b></p> <p>(<a href="http://www.arborenonvironmentalalliance.com/carbon-tree-facts.asp">http://www.arborenonvironmentalalliance.com/carbon-tree-facts.asp</a> )</p> <p><b>If your household selected 'Plant Trees', subtract 1200 from your 40000 total.</b></p>	<p><b>2) One 2kW rooftop solar panelsystem saves 2 tonnes (2 000 kg) of CO2 a year.</b></p> <p>(<a href="https://www.solarmarket.com.au/carbon-reduction-solar-panels/">https://www.solarmarket.com.au/carbon-reduction-solar-panels/</a> )</p> <p><b>If your household selected 'Install rooftop solar', subtract 2000 from your total so far.</b></p>
<p><b>3) Cutting 2 tumble dryer loads per week for 1 year saves about 180 kg of CO2.</b></p> <p>(<a href="https://www.theguardian.com/environment/ethical-living/2016/jun/23/dryer-loads-carbon-footprint">https://www.theguardian.com/environment/ethical-living/2016/jun/23/dryer-loads-carbon-footprint</a> )</p> <p><b>If your household chose to reduce heating and cooling by 1°, subtract 180 from your total.</b></p>	<p><b>4) Reducing your heating (or cooling) by 1 degree saves about 180 kg of CO2 in a year.</b></p> <p>(<a href="https://www.carbonfootprint.com/minimiseecfp.html">https://www.carbonfootprint.com/minimiseecfp.html</a> )</p> <p><b>If your household chose to reduce heating and cooling by 1°, subtract 180 from your total.</b></p>
<p><b>5) Driving an electric car instead of a petrol vehicle for a year would save 2.5 tonnes (2,500 kg) of atmospheric CO<sub>2</sub>.</b></p> <p>(<a href="https://www.carbonfootprint.com/electric_vehicles.html">https://www.carbonfootprint.com/electric_vehicles.html</a> )</p> <p><b>If your household selected an electric vehicle, subtract 2500 from your total so far.</b></p>	<p><b>6) Cutting the electricity used for a 3-person household in Australia by 20% (eg. by switching off unused appliances and lights, &amp; avoiding unnecessary heating and cooling) saves an average of 800 kg of CO<sub>2</sub> per year.</b></p> <p>(<a href="https://watchmywaste.com.au/food-waste-greenhouse-gas-calculator/">https://watchmywaste.com.au/food-waste-greenhouse-gas-calculator/</a> )</p> <p><b>If your household chose to cut electricity consumption by 20%, subtract 800 from your total.</b></p>
<p><b>7) A tenth of an acre of cultivated seaweed (yes – seaweed!) absorbs about 12 tonnes (12 000 kg) of CO2 in a year (about 15 times that of the same area of trees!!)</b></p> <p>(<a href="https://theconversation.com/how-farming-giant-seaweed-can-feed-fish-and-fix-the-climate-81761">https://theconversation.com/how-farming-giant-seaweed-can-feed-fish-and-fix-the-climate-81761</a> )</p> <p><b>If your household chose to invest in seaweed farming, subtract 2500 from your total so far.</b></p>	<p><b>8) Eating 'vego' half the time, would still save 150 kg of CO2 per year. For a 3 person household, that's 450 kg of saved CO2 per annum!</b></p> <p>(<a href="http://shrinkthatfootprint.com/food-carbon-footprint-diet">http://shrinkthatfootprint.com/food-carbon-footprint-diet</a> )</p> <p><b>If your household selected a vegetarian diet for half the year, subtract 450 from your total so far.</b></p>