



# Australian Greenhouse Calculator

Welcome!

This tutorial will give you key details about how to use the Australian Greenhouse Calculator.



# Australian Greenhouse Calculator

First you'll be asked to enter your postcode.

Tell us about your household

What is your postcode?

BARANGAROO, DAWES POINT, HAYMARKET, MILLERS POINT, PARLIAMENT HOUSE, SYDNEY, SYDNEY SOUTH, THE ROCKS

7 8 9

4 5 6

1 2 3

0 Delete

The Australian Greenhouse Calculator uses your postcode to analyse your local climate. This data is used in some of the calculations.

There are 11 modules in the Australian Greenhouse Calculator (AGC), each represented by an icon. The number zero displays in the purple tabs under the icons when you first open the AGC.



Select an icon to open a module you would like to investigate.

As you enter data into the module, the kilograms of greenhouse gases you produce are displayed in the tabs.



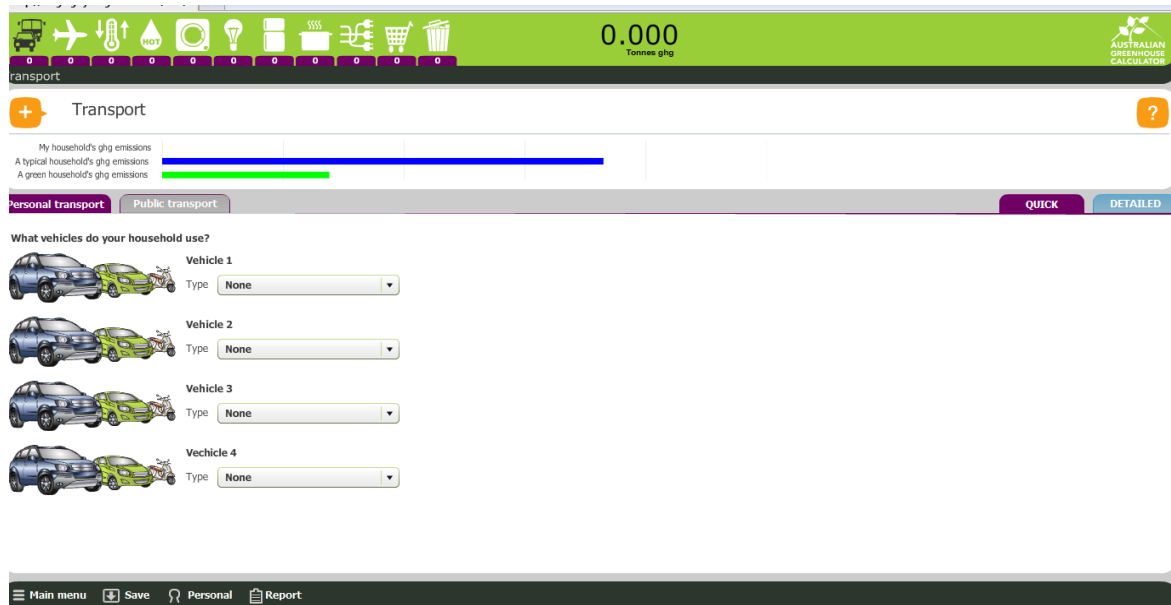
# Australian Greenhouse Calculator

The Australian Greenhouse Calculator uses two modes: quick and detailed. The purple tab under an icon indicates you are in quick mode. A blue tab under an icon means you are in detailed mode.

You can easily switch between the two modes by selecting the **Quick** tab or **Detailed** tab.



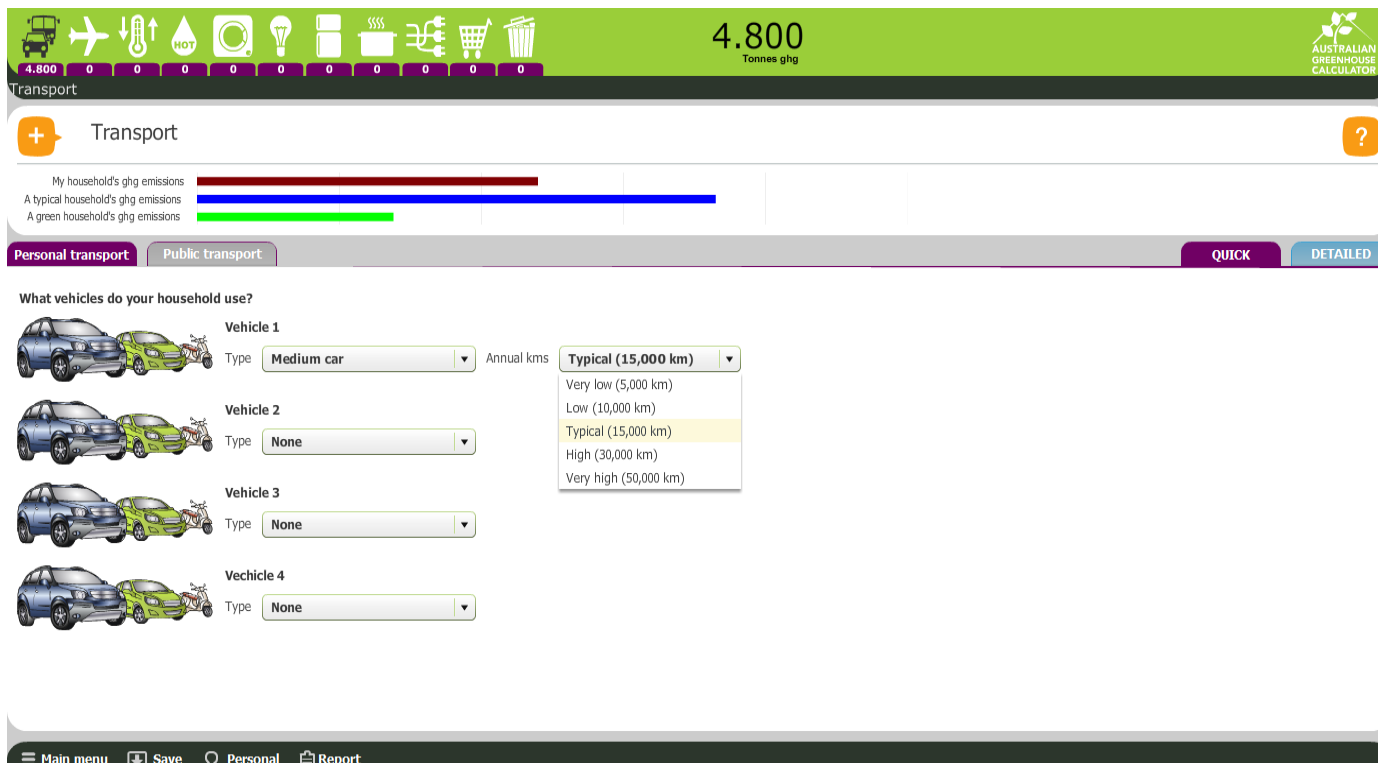
The Australian Greenhouse Calculator opens in quick mode. The quick mode has a smaller number of options than the detailed mode, and is quicker to finish!



The screenshot shows the Australian Greenhouse Calculator interface in quick mode. At the top, a green header bar displays the calculator's logo on the left and a total emissions value of 0.000 Tonnes ghg on the right. Below the header, a row of icons represents various household activities: transport, electricity, heating, hot water, lighting, cooling, and waste. The 'transport' section is currently selected and expanded, showing a sub-header 'Transport' with a plus icon on the left and a help icon on the right. Below this, there are two horizontal bars representing emissions: a blue bar for 'My household's ghg emissions' and a green bar for 'A typical household's ghg emissions'. The interface is divided into 'Personal transport' and 'Public transport' tabs, with 'QUICK' and 'DETAILED' mode buttons on the right. Under 'Personal transport', the question 'What vehicles do your household use?' is followed by four vehicle entries (Vehicle 1 to Vehicle 4). Each entry includes a small image of a car and a dropdown menu for 'Type', all currently set to 'None'. At the bottom, a dark grey footer contains navigation links: 'Main menu', 'Save', 'Personal', and 'Report'.

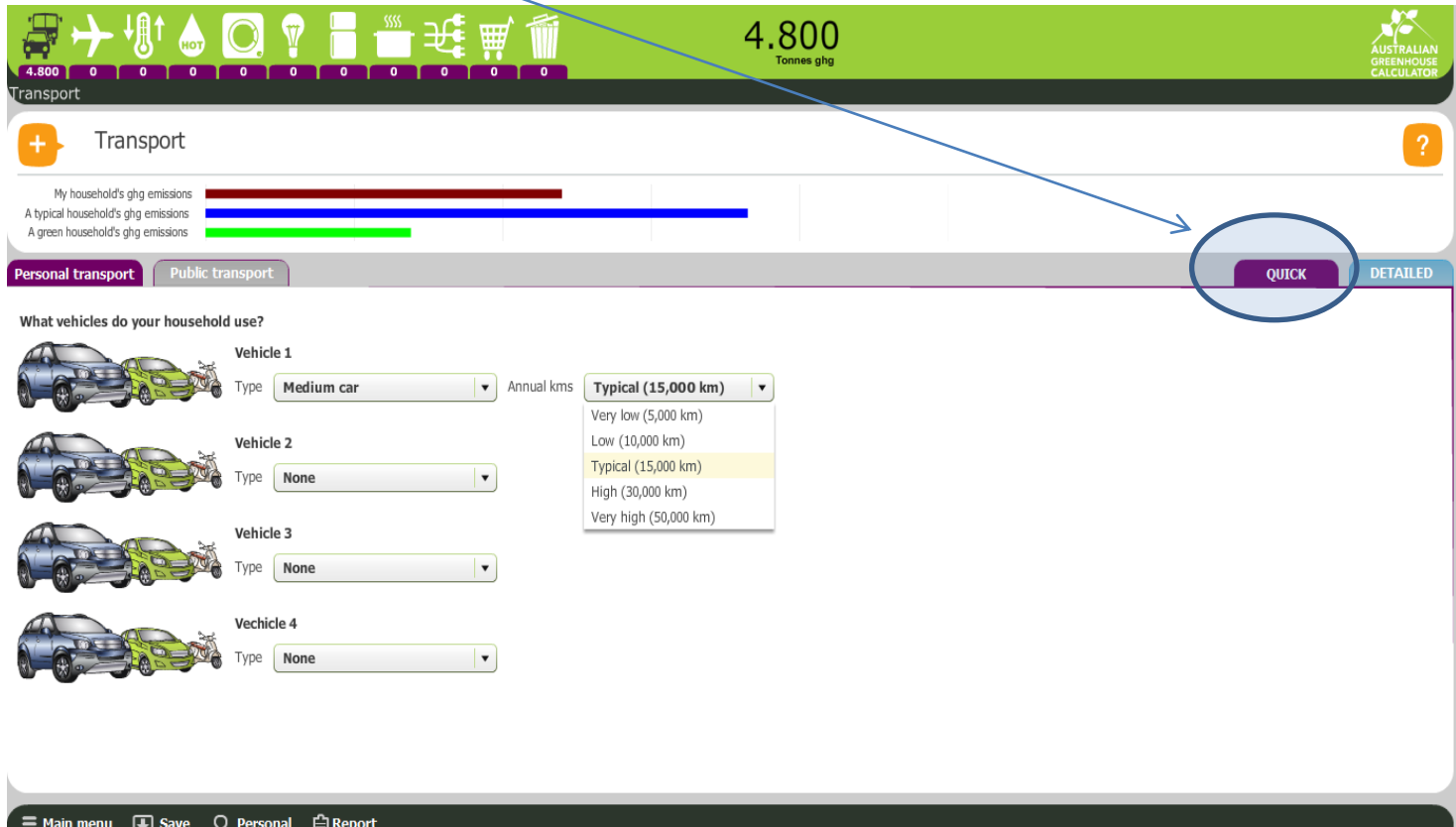
Select a type of vehicle and annual kilometres.

The brown bar graph shows your annual greenhouse gas emissions.



The screenshot displays the Australian Greenhouse Calculator interface. At the top, a green bar shows a total emission of 4.800 Tonnes ghg. Below this, a bar chart compares three household emission levels: 'My household's ghg emissions' (brown bar), 'A typical household's ghg emissions' (blue bar), and 'A green household's ghg emissions' (green bar). The 'Personal transport' tab is selected, and the 'QUICK' view is active. Under 'What vehicles do your household use?', four vehicles are listed. Vehicle 1 is a 'Medium car' with 'Typical (15,000 km)' annual kms. A dropdown menu for 'Annual kms' is open, showing options: 'Very low (5,000 km)', 'Low (10,000 km)', 'Typical (15,000 km)', 'High (30,000 km)', and 'Very high (50,000 km)'. The bottom navigation bar includes 'Main menu', 'Save', 'Personal', and 'Report'.

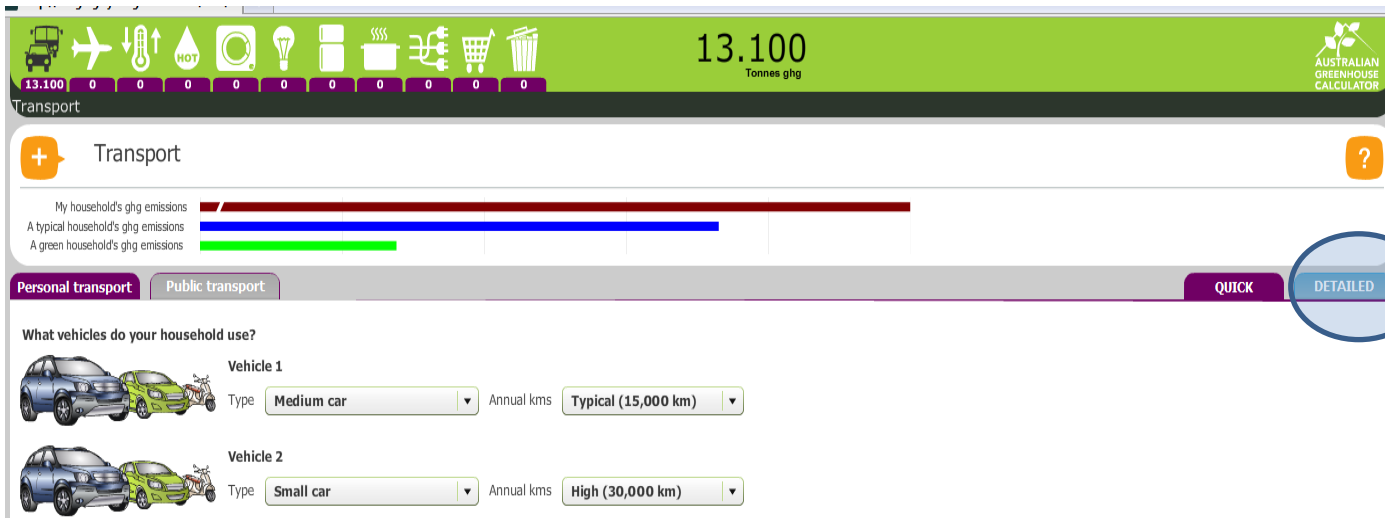
The purple tab indicates you are in quick mode.



The screenshot displays the Australian Greenhouse Calculator interface. At the top, a green header bar shows a total of 4.800 Tonnes ghg. Below this, a row of icons represents various household categories: Transport (4.800), Air (0), Heating (0), Hot Water (0), Washing Machine (0), Light Bulbs (0), Fridge (0), Stove (0), Power (0), Shopping (0), and Waste (0). The main content area is titled "Transport" and features a bar chart comparing "My household's ghg emissions" (red bar), "A typical household's ghg emissions" (blue bar), and "A green household's ghg emissions" (green bar). Below the chart, there are two tabs: "Personal transport" (selected) and "Public transport". A purple "QUICK" tab is highlighted, and a blue circle with an arrow points to it from the text above. The "QUICK" tab is currently selected, and the "DETAILED" tab is visible to its right. The "What vehicles do your household use?" section contains four vehicle entries. Vehicle 1 is a "Medium car" with "Typical (15,000 km)" annual kms. A dropdown menu for annual kms is open, showing options: "Very low (5,000 km)", "Low (10,000 km)", "Typical (15,000 km)", "High (30,000 km)", and "Very high (50,000 km)". Vehicles 2, 3, and 4 are all set to "None". At the bottom, a navigation bar includes "Main menu", "Save", "Personal", and "Report".

You may want a more accurate calculation of your greenhouse gas (ghg) emissions.

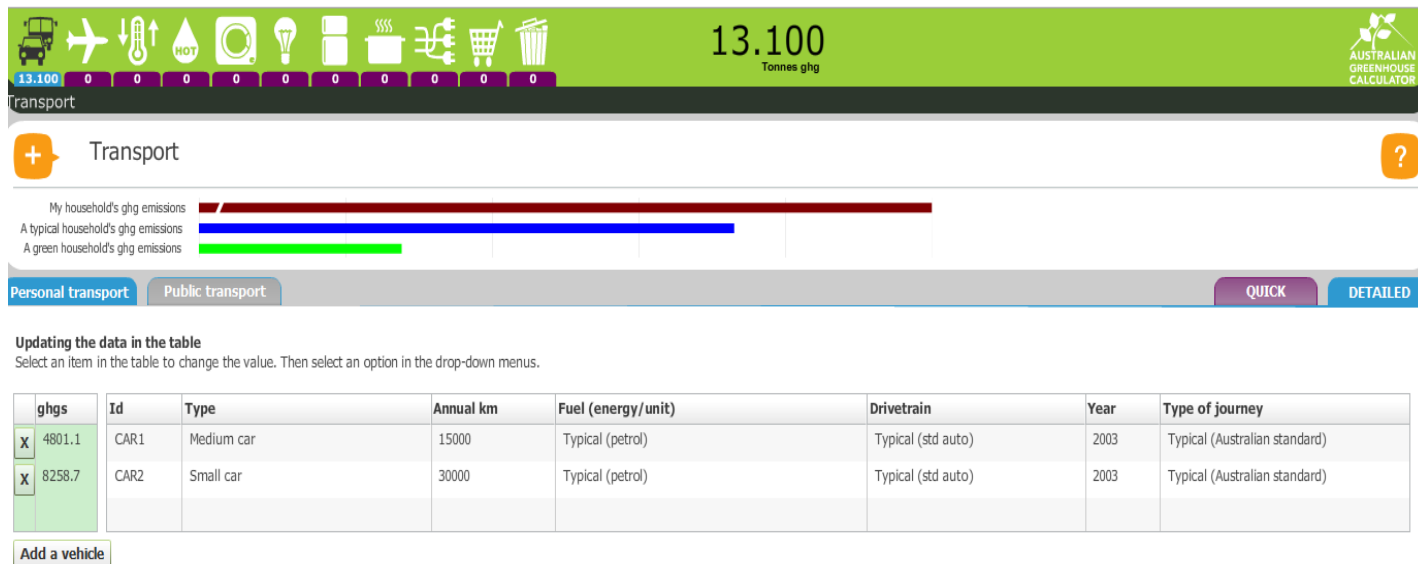
The detailed mode has more options for you to complete and takes into consideration your lifestyle choices about energy use.



The screenshot displays the 'Transport' section of the Australian Greenhouse Calculator. At the top, a green header shows a total of 13.100 Tonnes ghg. Below this, a bar chart compares 'My household's ghg emissions' (red bar), 'A typical household's ghg emissions' (blue bar), and 'A green household's ghg emissions' (green bar). The interface includes a mode selector with 'QUICK' and 'DETAILED' options, where 'DETAILED' is highlighted with a blue arrow. Under the heading 'What vehicles do your household use?', there are two vehicle input sections. Vehicle 1 is set to 'Medium car' with 'Typical (15,000 km)' annual kms. Vehicle 2 is set to 'Small car' with 'High (30,000 km)' annual kms.



Here is the table for two cars in detailed mode. The values for the two cars were entered in quick mode, and have been carried over to the table in detailed mode.

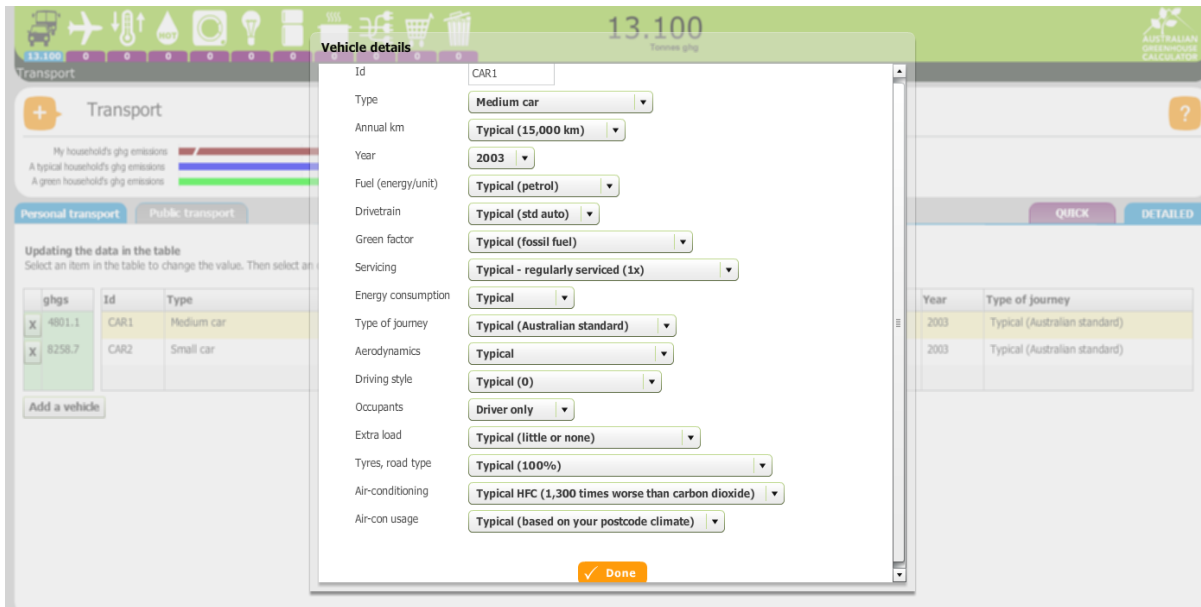


The screenshot shows the Australian Greenhouse Calculator interface. At the top, a green bar displays a total of 13.100 tonnes ghg. Below this, a bar chart compares the household's emissions (red bar) to a typical household (blue bar) and a green household (green bar). The interface is set to 'DETAILED' mode. A table titled 'Updating the data in the table' shows two cars:

ghgs	Id	Type	Annual km	Fuel (energy/unit)	Drivetrain	Year	Type of journey
X 4801.1	CAR1	Medium car	15000	Typical (petrol)	Typical (std auto)	2003	Typical (Australian standard)
X 8258.7	CAR2	Small car	30000	Typical (petrol)	Typical (std auto)	2003	Typical (Australian standard)

Below the table is a button labeled 'Add a vehicle'.

When you select a value you want to change, a pop-up appears. You can change the values in the drop-down menus to get a more accurate estimate of your greenhouse gas emissions.



The screenshot shows the 'Transport' section of the Australian Greenhouse Calculator. A 'Vehicle details' pop-up window is open, allowing users to adjust various parameters for a vehicle. The background interface shows a total emissions of 13.100 tonnes ghg and a table of vehicle data.

**Vehicle details pop-up window:**

- Id: CAR1
- Type: Medium car
- Annual km: Typical (15,000 km)
- Year: 2003
- Fuel (energy/unit): Typical (petrol)
- Drivetrain: Typical (std auto)
- Green factor: Typical (fossil fuel)
- Servicing: Typical - regularly serviced (1x)
- Energy consumption: Typical
- Type of journey: Typical (Australian standard)
- Aerodynamics: Typical
- Driving style: Typical (0)
- Occupants: Driver only
- Extra load: Typical (little or none)
- Tyres, road type: Typical (100%)
- Air-conditioning: Typical HFC (1,300 times worse than carbon dioxide)
- Air-con usage: Typical (based on your postcode climate)

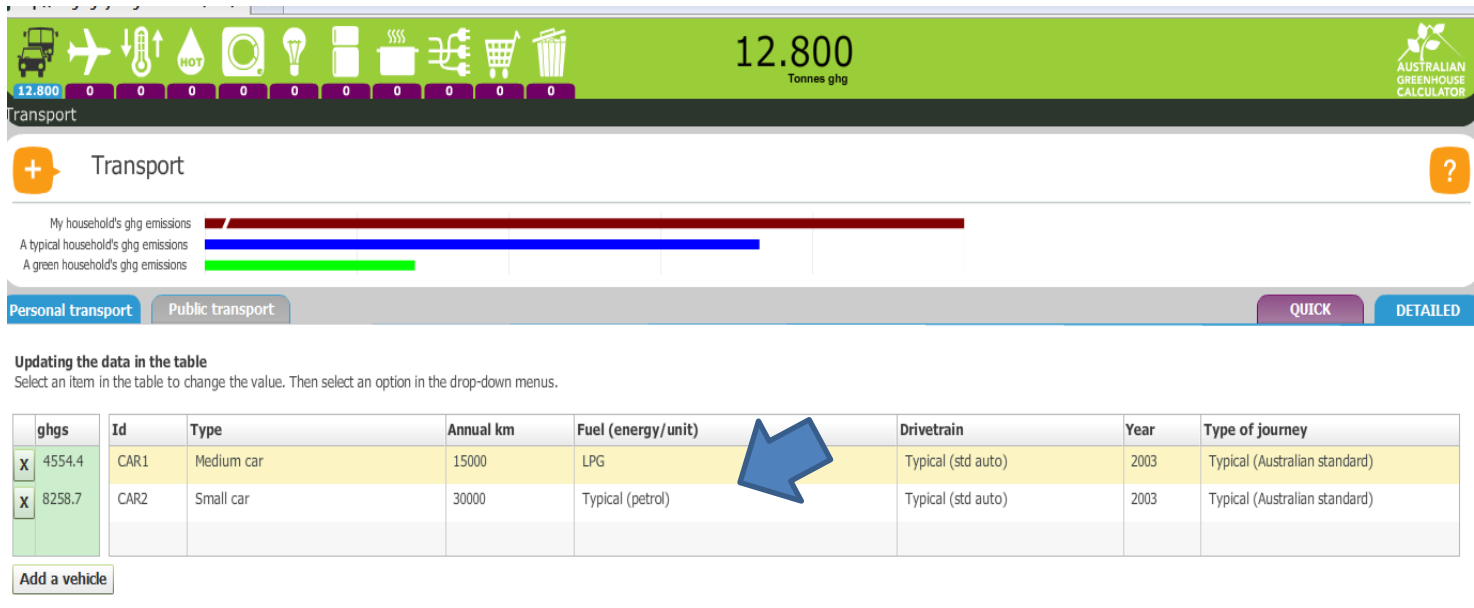
**Background interface:**

- Total emissions: 13.100 tonnes ghg
- Transport section: My household's ghg emissions (A typical household's ghg emissions, A green household's ghg emissions)
- Personal transport / Public transport tabs
- Updating the data in the table: Select an item in the table to change the value. Then select an item in the table to change the value.
- Table:

ghgs	Id	Type
X 4801.1	CAR1	Medium car
X 8258.7	CAR2	Small car

Buttons: Add a vehicle, QUICK, DETAILED

Change the **Fuel (energy/unit)** from 'Typical (petrol)' to 'LPG'. You will immediately see the effect on your greenhouse gas emissions.



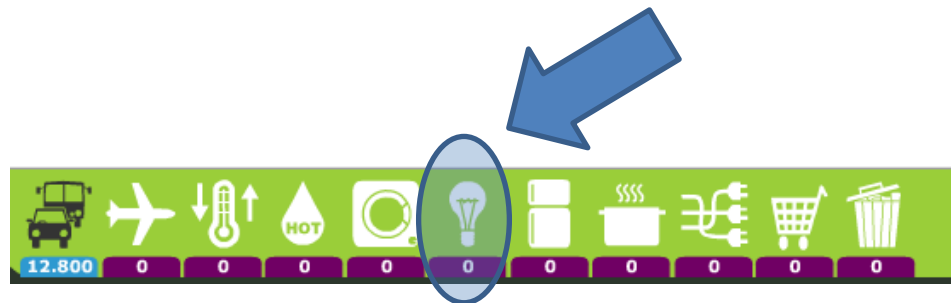
The screenshot shows the 'Transport' section of the calculator. At the top, a green bar displays a total of 12.800 Tonnes ghg. Below this, a bar chart compares 'My household's ghg emissions' (red bar), 'A typical household's ghg emissions' (blue bar), and 'A green household's ghg emissions' (green bar). The 'Personal transport' tab is selected, and the 'QUICK' view is active. A table lists two vehicles, with a blue arrow pointing to the 'Fuel (energy/unit)' column.

ghgs	Id	Type	Annual km	Fuel (energy/unit)	Drivetrain	Year	Type of journey
X 4554.4	CAR1	Medium car	15000	LPG	Typical (std auto)	2003	Typical (Australian standard)
X 8258.7	CAR2	Small car	30000	Typical (petrol)	Typical (std auto)	2003	Typical (Australian standard)












[Add a vehicle](#)

Select an icon to open a module you're interested in. You may decide to look at the next module, or you can jump to any module you want to explore.

For example, select the lighting icon to find out how the types of globes used in your household impact on your greenhouse gas emissions.



This is the lighting module in quick mode.

12.800

12.800

0

0

0

0

0

0

0

0

0

0

Lighting

Tonnes ghg

+

Lighting


My household's ghg emissions

A typical household's ghg emissions

A green household's ghg emissions

Lighting


**How many light globes are switched on throughout the house?**



**Incandescent**

How many?


How many hours per day?



**Low voltage halogen**

How many?


How many hours per day?



**Compact fluorescent lamp**

How many?

How many hours per day?



**Linear or circular fluorescent lamp**

How many?

How many hours per day?



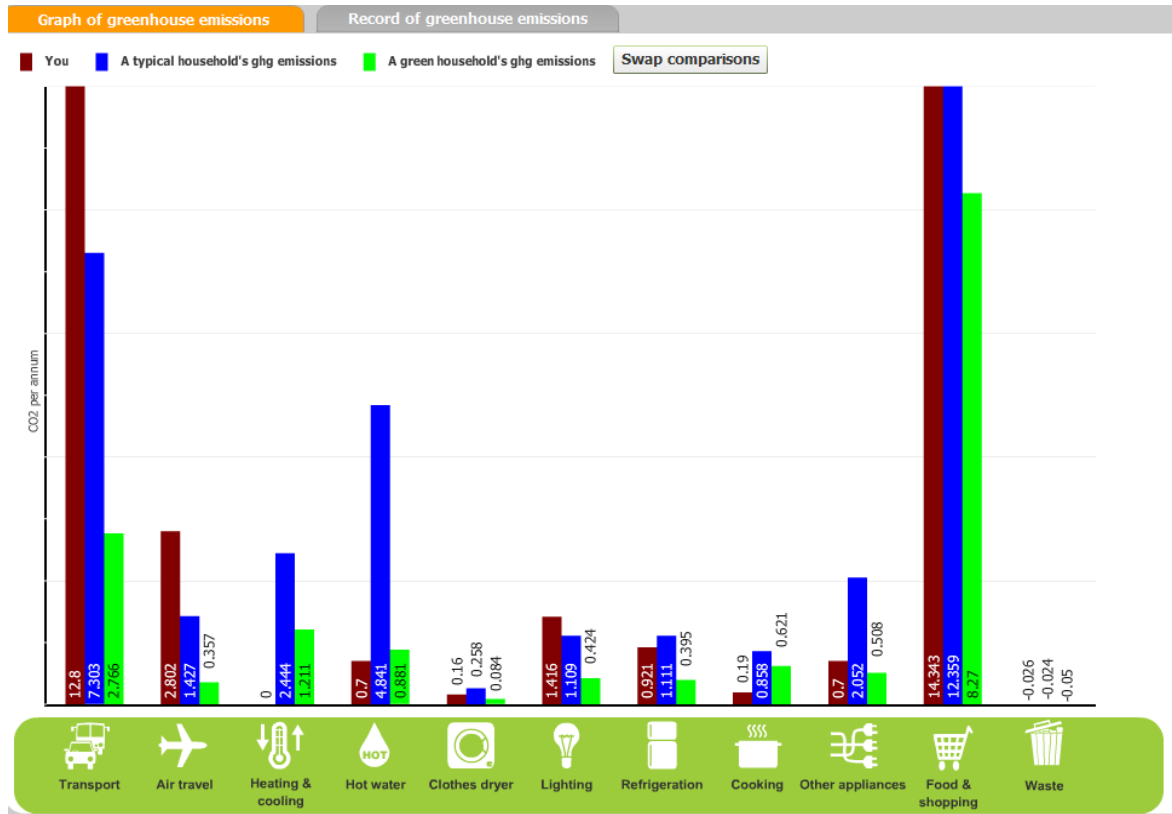
# Australian Greenhouse Calculator

You can select a type of light globe used in your household. Then choose the options to record how many globes and how many hours you use them per day.

You quickly get an idea about how much greenhouse gas (ghg) emissions you produce.



When you have completed all the modules, or the ones you're interested in, you can look at an overall report of your greenhouse gas emissions.







# Australian Greenhouse Calculator

The report shows a comparison between your greenhouse gas emissions, a typical household's greenhouse gas emissions and a green household's greenhouse gas emissions.

You can see how your greenhouse gas emissions compare with a typical and green household.

Next use the Australian Greenhouse Calculator (AGC) to investigate ways to reduce your greenhouse gas emissions.

Now it's time to explore the AGC!