

Bogong Campus Sustainability News

March 2011

Bogong Campus recently undertook an energy assessment conducted by Planetsavers. The results were as follows

2.2 Annual Energy Consumption

According to SETS data provided for the 2010 calendar year.

- Bogong consumed 57,218 kWhs of electricity at a cost of \$10,912 producing 72 tonnes of emissions.
- 307,301 Mj's of LPG at an estimated cost of \$9,451 producing 21 tonnes of emissions
- For each student at the school 3129 Mj's of energy was consumed, at a cost of \$124 and emitting 0.57 tonnes of greenhouse gas.

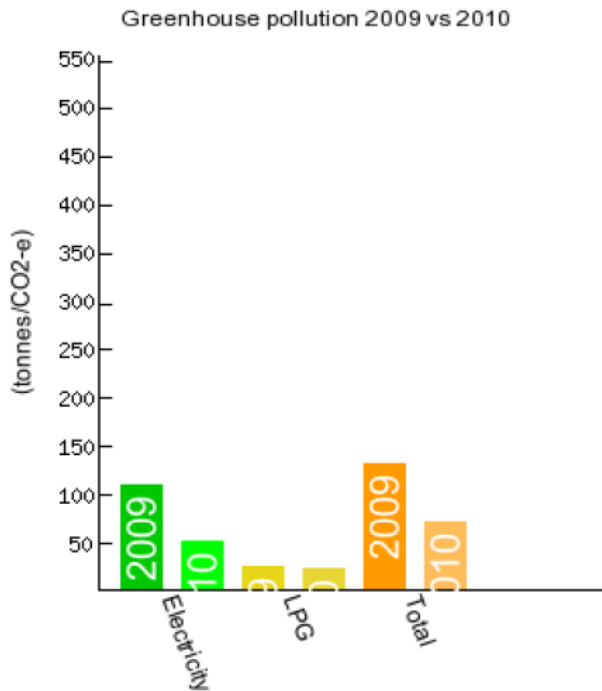
Consumption and Emissions Summary			
Student Numbers			164
Energy Consumption		kWh	57,218
		MJ	205,985
LPG		MJ	307,301
Total Energy Cost Estimated		\$	20,363
Floor Area (Estimated)		m ²	3,241
Emissions *		tonnes CO ₂ -e	93
Cost	per m ²	\$	6
	per student		124
CO ₂ -e Emissions	per m ²	tonnes	0.03
	per student		0.57
Energy Consumption	per m ²	kWh	18
	per student		349
* Scope 2 & 3 - See Appendix C: Explanation of carbon emission scopes			

Compare this to the benchmark emissions per student per annum for:

Primary 0.49 tonnes per student, and
 Secondary 0.89 tonnes per student

The table below shows Bogong Campuses greenhouse pollution for the past two years (the first column of each colour is 2009 and the second is 2010).

2.3.3 Comparison 2009 to 2010



Well Done! A 25% reduction has been achieved over this period

We aim to continue to reduce our consumption and meet BOEC's Environmental Sustainability Goal of a total energy reduction of 50% by 2012.

The Bogong Campus Sustainability committee is currently working towards fulfilling the AusVic Resource Smart Energy module. The committee also plans to complete the Energy module as well as the Waste and Water modules by the end of 2011.

Thanks to Jarrod Paine for organising the very first Bogong 'Zero Power Hour' in support of Earth hour. This involved an hour without lights, computers, dishwasher and ovens with the students eating Marie's preheated chicken burgers in an outdoor setting. Zero Power hour was very well received and we hope to make this a regular part of the Bogong campus experience.