



## Specially developed for teachers

SETS was developed over 3 years in collaboration with schools, greenhouse alliances, CERES and Departments of Education to give teachers a low-cost, online emissions measurement and management tool.

SETS quantifies energy, greenhouse, water, waste and paper savings to make sustainability fun and easy to understand.

And SETS can be applied to multiple domains in the teaching curriculum, making your job easier.

## Measure, manage and reduce your school's emissions

SETS offers comprehensive and accurate reporting capabilities - in fact, state by state emissions factors are updated annually from AGO data. Some of the reports you can generate include:

- Account Comparison - View progress by comparing one year with another
- Date Range - Compare usage over a range of dates
- Comparison Report - Compare energy usage, cost, greenhouse gas pollution, water usage, waste landfill and waste recycling by student
- Annual Energy Report - On energy use by fuel type, greenhouse gas, cost or usage by student
- Yearly Energy, Water and Waste comparison

Set your emissions targets, then follow your progress each month. SETS provides fast feedback - the success or failure of an initiative can be seen the next bill.

Raise awareness of your sustainability initiatives using SETS data and graphs to communicate with parents and the community. Motivate your students by comparing your school's results with other schools.

Measuring enables management, which results in schools that are *genuinely* more sustainable.

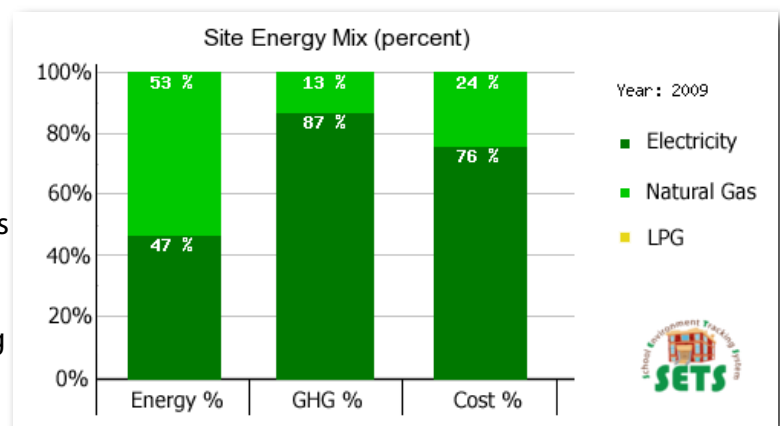
## Full training and support

To get the most out of your SETS system you need to know what you're doing! We conduct regular training sessions over the Internet. All you need is a computer with an Internet connection and a phone near the computer. You can have as many people in a training session as you like.

And the support doesn't end there. If you get stuck on anything, you can call our cheerful and helpful support personnel on the spot and we'll work you through it.

*"SETS has been a powerful teaching and learning tool at Western Port Secondary College and has helped us to measure our progress in reducing greenhouse gas emissions and becoming a sustainable school."*

Hannah Lewis, Assistant Principal,  
Western Port Secondary College





## Use SETS to:

- Educate students on sustainable living
- Monitor your progress in reducing usage
- Set your school a target and reach it
- Compare your school to others
- Do an audit of what's left on and improve switch off practices
- Complete your Sustainable School modules

## Give the Data meaning

**Giving some meaning to these numbers!**  
Your greenhouse pollution :

- Would fill up 7,340,000 balloons every year with CO<sub>2</sub>-e.
- Was equivalent to that produced by 82 cars traveling 15,000km or driving the return trip, twice, from Brisbane to Perth.
- Would fill up 1,505 buses full of CO<sub>2</sub>-e.
- Would require 1,450 trees planted to absorb the carbon.

Your electricity use :

- Would require 156 tonnes of coal to be burnt to generate the power for your school
- Would require 1,614 cyclists pedalling hard for a 40 hour week, 52 weeks a year, to generate it.
- Would require 3 tennis court/s full of solar panels if your school was powered solely by solar power.
- If all your power were to come from a coal fired power station, that station would use 589,495 litres of water to generate the power for your school.

CarbonetiX

**Giving some meaning to these numbers!**  
Your contribution to landfill in 2008 :

- Was equal to that of 0.80 home sized swimming pools.
- would fill 133.33 wheellie bins full of rubbish
- would fill 0.49 classrooms.
- would fill 4.35 cars packed with rubbish.

CarbonetiX

**Giving some meaning to these numbers!**  
Your water usage decreased by :

- 5,328,000 glasses of drinking water.
- 1,332,000 cartons of milk. Keep up the good work.

Your Custom Meaningful Numbers!

CarbonetiX

*"We are using SETS to record our gas, electricity and water usage here at school and just wanted to let you know that it is a great system. The school bursar loves it, finds it easy to use and appreciated the reminders the program sends when a new bill is due. The graphs are really useful for monitoring consumption and in our case, have been very encouraging as we have watched the lines go down. I have used the graphs to publicise results within our community, for staff, school council and the students, to great effect. Thanks!"*

Clare Melgaard, Principal,  
Castlemaine North Primary

## Reach your targets

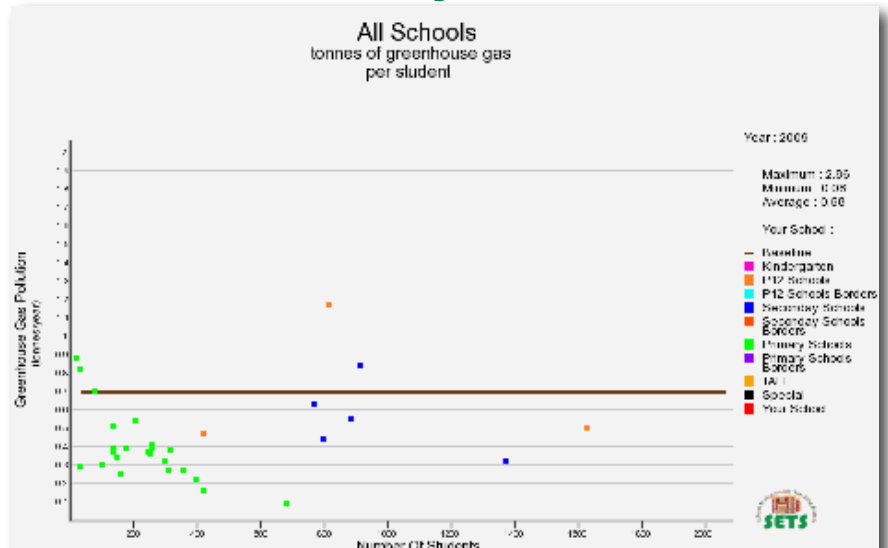
Congratulations you have met your savings target, see if you can keep the momentum going!!!

CarbonetiX



Energy Source	Measurement	2006	2007	Yearly Reduction	Percent Reduction
Electricity	Usage (kWh)	265,946	255,517	10,428	4%
	Cost (\$)	32,991	25,363	7,628	23%
	Greenhouse pollution (tonnes/CO <sub>2</sub> -e)	351	342	9	2%
Natural Gas	Usage (GJ)	794	808	-14	-2%
	Cost (\$)	6,149	6,445	-296	-5%
	Greenhouse pollution (tonnes/CO <sub>2</sub> -e)	41	41	-1	-2%
Yearly Totals	Usage (GJ)	1,752	1,728	23	1%
	Cost (\$)	39,140	31,808	7,332	19%
	Greenhouse pollution (tonnes/CO <sub>2</sub> -e)	392	384	8	2%
Yearly Metrics	Number of Students	839	839		
	Greenhouse pollution per student (tonnes CO <sub>2</sub> -e/student)	0.47	0.46	0.01	2%

## Compare your school



Developed by:



**We make saving energy easy!**

PO Box 590 Frankston VIC 3199

Tel 03 9015 8344

Fax 03 9783 9068

info@carbonetix.com.au

www.carbonetix.com.au

www.schoolenergysavings.com.au