

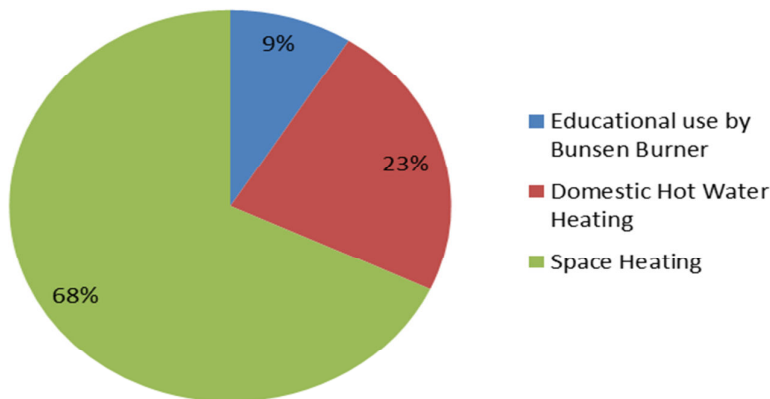
School Building Heating System Upgrade

For



In Victorian Schools building heating systems are one of the major energy users, and therefore its energy efficiency is paramount.

The gas usage in the school is shown in the following Pie Chart



The Department of Education and Early Childhood Development engaged Enman to evaluate the building heating performance and to design and specify an upgrade of the old boiler system and space heating control system.

The energy savings estimated from various upgrade are as follows;

- Energy saving from new boiler using a condensing boiler: 20%
- Energy saving from control system upgrade: 18%
- Introduction of return air in building A and B: 21%

There were also energy savings to be made from reduced operation of the split A/C units to preheat the building.

The heating system modification especially the energy efficient boiler was successfully carried out providing an anticipated energy cost reduction of \$5,000.00/year, with a reduction in maintenance issues resulting in smoother operational process and a significant reduction in the site's carbon foot print.

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