

Energy Efficiency for Small Business Program Case Study

Phang Legal

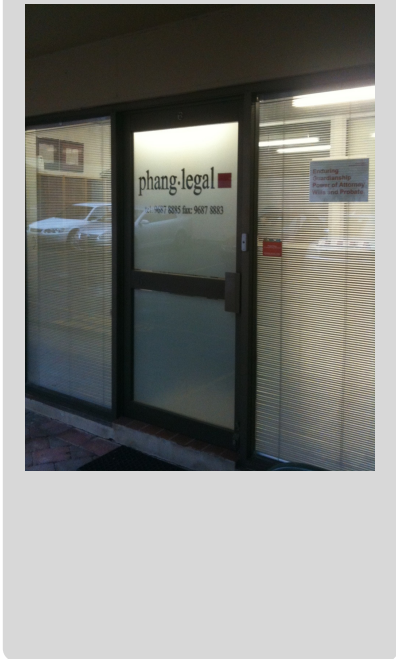
Phang Legal

Phang Legal is a small law firm based in the Parramatta CBD and provides professional legal services in a wide range of areas focusing on property law and conveyancing, commercial transactions, corporate compliance, small claims litigation, estates and elders law.

Phang Legal's contribution to the community includes legal aid, pro-bono and church work.

Industry

Legal Services



Sustainability Drivers

For business owner Ern Phang, sustainability is an important value. Both at home and at work, Ern takes seriously the challenge of minimising his impact on the environment. So choosing to get involved in the Energy Efficiency for Small Business Program was a 'no-brainer'.

Results & Potential Savings

Electricity	<ul style="list-style-type: none"> * \$454 / year savings * Reduction in GHG gases of 3 tonnes of CO₂-e per year
Other Improvements	<ul style="list-style-type: none"> * splitting lighting circuit into multiple switches * install timer on hot water system * replace old air conditioner with 5 star model * install lighting sensors in print room * replace incandescent light globe with compact fluoro
Staff engagement	<ul style="list-style-type: none"> * staff encouraged to switch off computers at powerpoint * lights switched off in un-occupied areas

Assessing Energy Usage

The energy efficiency assessment conducted at Phang Legal revealed that the business spends about \$1600 per year on electricity, which emits approximately 8 tonnes of CO₂^e.

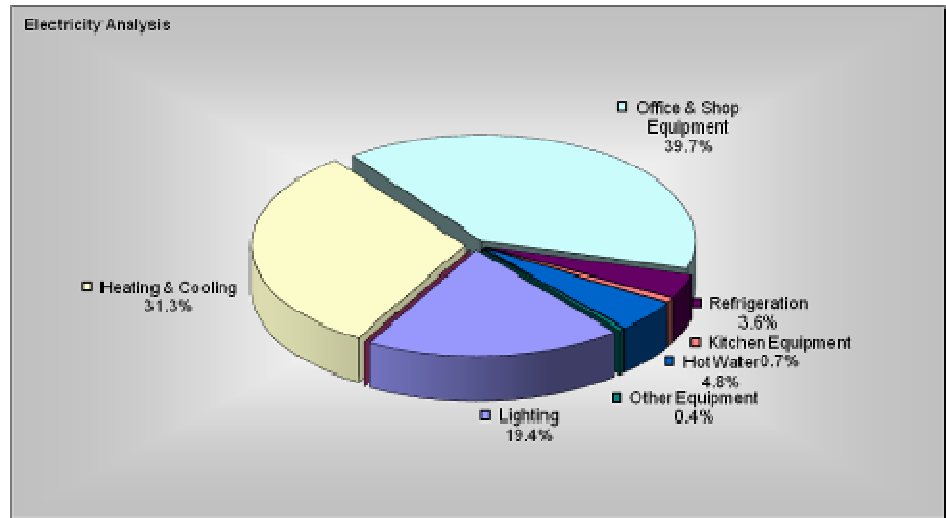


Figure 1: Energy profile for Phang Legal

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Energy Efficiency Action Plan recommendations

Ern had done a lot of positive things already to minimise his electricity use, such as ensuring all computers are shut down at night, lights switched off in all un-occupied areas and by encouraging his staff to do to the same.

The assessment was able to demonstrate some good further potential savings.

Description	Estimated Cost	Potential Savings pa
Install Roof Air Ventilator	\$250	\$56.21
Split light switch into two rows	\$170	\$22.95
Apply Insulation to ceiling	\$666	\$84.31
Replace old Incandescent fitting w Compact fluorescent fitting & timed switch - toilets	\$480	\$53.29
Install Infra-red sensor in print/server room	\$220	\$23.80
Replace old AC with reverse cycle air conditioner (5 or 6 star)	\$1,800	\$192.36
Install timer on Hot Water System	\$210	\$21.73
	\$3,796	\$454.65

Implementing the Recommendations

Phang Legal has received quotes from trades people and decided to go ahead with recommendations.

Results & Achievements

As a result of the implemented actions, Phang Legal will save around \$454 and 3 tonnes of CO₂^e per year. The total investment after rebate will pay for itself in energy savings over approximately 4 years.

More Information

Phang Legal

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