

# FUNDING CAPPED FOR HEATING, LIGHTING & WATER

## Important information on School Energy Funding models from 2012.

Traditionally, schools received Heat, Light & Water (HLW) funding from the Ministry of Education which were aligned with their actual energy costs. As of 2012, this will no longer be the case as a significant change initiated by the Ministry of Education will result in funding being capped at current expenditure levels. As a result of these changes to HLW funding, most schools may now operate under financial pressures and it will become increasingly critical for schools to manage their energy usage efficiently. For schools that actively seek to maximise their energy efficiency, there will now be a financial incentive as the savings generated are the school's to keep.

## Independently verifiable energy bill analysis

By analysing energy bills and renegotiating supply contracts alone, schools have the potential to save up to 15% of their current spend. TorqueIP offers an initial analysis of School energy bills to:

- Verify the accuracy of billing & metering, and the suitability of the supply cost structure;
- Identify the school's baseline energy consumption;
- Analyse energy seasonal usage patterns to confirm consistency with metered consumption;
- Identify abnormally high energy consumption as well as uncharacteristic changes.

This is the first step but certainly not the last. TorqueIP are Energy Efficiency and Conservation Authority (EECA) programme partners. We can offer a part subsidised, customised Energy Management Plan for your School. This will provide a clear picture of where overheads, costs and any inefficiencies are occurring as well as providing guidance on implementing measures to reduce your energy spend.

## Energy Management Plan

Proactive changes to your policies, curriculum integration, maintenance schedules and equipment could net possible **reductions of energy spend by up to 40%**. The Energy Management Plan will identify areas of significant energy use, and allow TorqueIP to:

- Set energy savings targets based on identified energy saving opportunities;
- Establish action plans for achieving the energy management objectives and savings targets;
- Document findings, achieved savings and proposed energy efficiency projects;
- **Subsidies of up to 40% may be available from the EECA** in the implementation of identified energy efficiency projects as part of the Commercial Buildings Programme.

ACCOUNT DETAILS		Account Number: [REDACTED]	
<b>Electricity Charges for School A College</b>			
From 1 January 2012 to 31 January 2012 (31 Days)		Invoice Number: [REDACTED]	
<b>Line Charges</b>			
Fixed Charge	31 Day(s)	\$18.17 per Day	\$563.18
Capacity Charge	31 Day(s)	500 kVA * 1.50c/day22	\$232.50
Demand Charge	428.56 kVA	50.13 c/kVA/day	\$5,538.68
Variable Charge	68,595.10 kWh	0.811c per kWh	\$635.83
<b>Total Line Charges</b>			<b>\$6,970.19</b>
<b>Energy</b>			
	kWh	kWh Losses	cents per kWh
Weekdays (0000 - 0400)	3,492.78	147.05	7.667
Weekdays (0400 - 0800)	4,298.24	180.96	8.827
Weekdays (0800 - 1200)	6,819.60	287.11	11.303
Weekdays (1200 - 1600)	6,572.45	276.70	10.723
Weekdays (1600 - 2000)	4,349.43	183.11	11.659
Weekdays (2000 - 2400)	3,433.71	144.56	10.068
Weekends (0000 - 0400)	1,744.72	73.45	6.377
Weekends (0400 - 0800)	1,693.58	71.30	6.964
Weekends (0800 - 1200)	1,463.75	61.62	9.430
Weekends (1200 - 1600)	1,432.24	60.30	8.906
Weekends (1600 - 2000)	1,530.95	64.45	9.761
Weekends (2000 - 2400)	1,765.17	74.31	8.367
<b>Energy Totals</b>			<b>\$6,000.81</b>
<b>Other Charges</b>			
Administration Charge	31 Day(s)	\$3.98 per Day	\$123.38
Electricity Commission Levies	40,222.00 kWh	0.172c per kWh	\$69.18
			<b>\$192.56</b>
<b>GST</b>			<b>15% \$1,974.53</b>
<b>Total Electricity Charges</b>			<b>\$13,163.56</b>

Does this power bill reflect true usage?

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