Summary:

Power Saving Analysis for Hollywood Primary School, Nedlands, Western Australia
Hybrid Energy Saver Certified Energy Consumption Test Operating at 70% Power Level

	TECHNICAL ANALYSIS					
	Before Hybrid Energy Saver			After Hybrid Energy Saver		
MinPower	10 Minutes	30 Minutes	60 Minutes	10 Minutes	30 Minutes	60 Minutes
Energy (kWh)	0.32	0.95	1.89	0.13	0.38	0.76

This report details Maximum Demand captured on 9th April 2020.

The Power Quality analysis was conducted using data recorded by Gridsense Powermonic PM35 power quality analysers, installed by Nilsen technicians, on the locations specified by the Customer.

From the recorded values, the load consumption can be reduced by installing the Hybrid Energy Saver to the load. Below scenarios can prove it by calculations;

Scenario 1 – *Before HES Installation*

Network Demand under kWh system,
Actual energy required for 1 hr = 1.89 kWh
Actual energy required for continuous operation for 24hr = 1.89 x 24
= 45.36 kWh
Expected Tariff Rate for 24hr: 45.36 x 35.4C/kWh = ***$16.05 per day***

Scenario 1 – *After HES Installation*

Network Demand under kWh system,
Actual energy required for 1 hr = 0.76 kWh
Actual energy required for continuous operation for 24hr = 0.76 x 24
= 18.24 kWh
Expected Tariff Rate for 24hr: 18.24 x 35.4C/kWh = ***$6.45 per day***

Approximately 60% reduction of energy consumption by installing the Hybrid Energy Saver.

Full report available on request