

ESM™ Performance Review

Target: St. Mary's, Australia

Business Type	Department Store
Location	Village Shopping Centre, Australia, St. Mary's, NSW
A/C or Refrigeration	A/C
Brand	Trane
Type	Semi-hermetic Scroll
# of Units	4
Controller	Trane Controllers

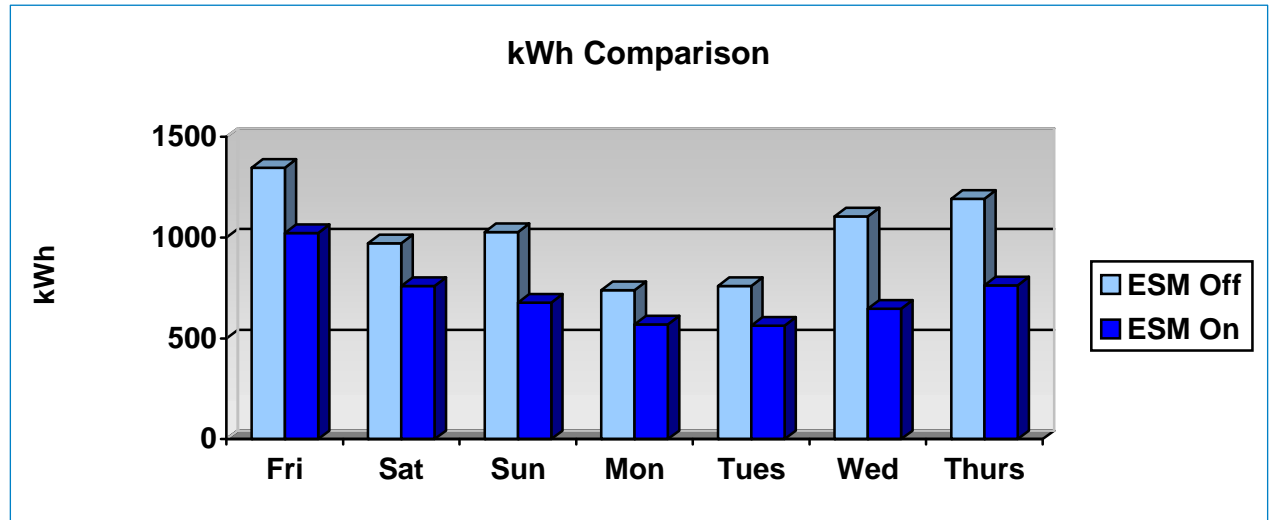


Result Highlights

Return on Investment	Annual kWh Reduction	kWh Savings	Greenhouse Gas Reduction
22 months	105,526 kWh	29.9%	142,341 lbs

Evaluation Period	The evaluation was conducted over a two week period in 2006: <ul style="list-style-type: none">• ESM™ OFF period: May 18 to 26, 2006.• ESM™ ON period: May 26 to June 2, 2006.
Project Description	<p>During the evaluation period, the Energy Saving Modules™ were switched between Saving mode (ESM™ ON) and By Pass mode (ESM™ OFF), to obtain a comparison of the power consumption and determine the savings achieved.</p> <p>Energy data loggers were installed on the air conditioning system to measure and record the kW, and kWh, consumption of the air conditioning system throughout the evaluation period. The data loggers take a measure each 8 seconds and are set to provide a date stamped print every 2 minutes.</p>
Results Summary	<p>Overall, a 30% reduction in electricity consumption of the air conditioning system was recorded, due to the installation of the ESM™.</p> <p>Results from the evaluation clearly demonstrate that the Energy Saving Module™ significantly reduces kWh consumption providing both financial and environmental benefits for Target, without compromising temperature requirements of the store.</p>

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Electricity Reduction	
ESM™ OFF: Avg. Daily kWh	1,020
ESM™ ON: Avg. Daily kWh	715
Average Daily kWh Reduction	305
kWh % Reduction	29.9%
Estimated Annual kWh Reduction	178,522

Environmental Benefits	
Greenhouse Gas Reduction	240,804 lbs
Tree Equivalent	131 acres
Enough Electricity to Supply	17 homes