



## Support for Energex funding proposal

### **Dreamworld & Energex Project**

Energex worked with Dreamworld (DW) in 2011 to reduce its power usage and demand by proposing peak load reduction strategies including Power Factor Correction (PFC) devices and lighting and HVAC improvements. Reduction in usage and demands by participating in DM program are as follow:

- An estimated of 92 Mwh/year is saved from the 1,385 lights using the “Save it Easy Pro” solution installed on site.
- 67 Mwh/year usage saved from UVC for HVAC and approximately 59 tonnes of CO<sub>2</sub>-e/year reduction.
- Demand reduction was observed around 10 % at Dreamworld from PFC devices installed combined with lighting and HVAC solutions.
- Average monthly reduction of 180 kVA demand in White Water World since the installation of PFC devices in early 2014. PF increased from 0.86 to 0.98.
- Energex provided \$194,700 funding for DM project cost. There’s an estimated \$124,063 annual savings from the DM program implemented.

### **Support for Energex’s Proposal**

From the above points, Dreamworld has seen the reduction in electricity usage and peak load from the DM program by Energex. Resulting in lower electricity cost and energy efficiency. We believe it is important for Energex to continue the Demand Management Program due to its benefits and business support to us and the whole Queensland.

Signature: 

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