

PUBLIC REPORT

1. Controlling Corporation

Tabcorp Holdings Limited

2. Period to which this report relates

Start

1 July 2008

End

30 June 2009

3. Part 1 – Information on assessments completed to date

Table 1.1 – Description of the way in which the Corporate Group (or part of it) has carried out its assessments

During the period of 2007-2008, Tabcorp conducted a series of assessments across each of its four casino properties:

- Star City – Sydney
- Conrad Jupiters – Gold Coast
- Conrad Treasury – Brisbane
- Jupiters Townsville - Townsville

Combined, these businesses represent Tabcorp's Casinos Division and account for approximately 80% of Tabcorp's total energy consumption.

The assessments undertaken to date have been thorough and comprehensive and to the best of our knowledge, have complied with the intent and key requirements of the Energy Efficiency Opportunities legislation. The assessment process at each site has involved multi-disciplinary teams including representatives from site management, engineering, corporate, compliance as well as external energy consultants.

The assessment process included:

- Analysis of energy usage
- Identification of energy saving opportunities
- Evaluation of identified energy saving opportunities with regards to cost and savings both in energy and operating expense
- Communication of opportunities to relevant staff for further action

There have been no significant changes to the Group in the reporting period. However, work has recently begun on refurbishing the Star City casino.

No new energy efficiency opportunity assessments were conducted in 2008-2009 but we have begun implementing some of the opportunities that we identified in the original assessment and we continue to seek to identify new opportunities.

Table 1.2 – Energy use assessed

Group member and/or business unit and/or key activity and/or site that has had an assessment completed by the end of this reporting period.	Period over which assessment was undertaken ¹	Energy use per annum in GJ ² in the current reporting year
Star City – Sydney	Nov 2007 to June 2008	252,383
Conrad Jupiters – Gold Coast (inc. GCCEC)	Nov 2007 to June 2008	189,390
Conrad Treasury – Brisbane (inc. 159 William St office)	Nov 2007 to June 2008	96,769
Jupiters Townsville – Townsville (inc. TECC)	Nov 2007 to June 2008	42,062
Total energy assessed (Casinos Division only)		580,604
Total energy use of the group in the current reporting year		748,699
Total energy assessed expressed as a percentage of total current energy use		77.55%

Note

The values shown in Table 1.2 above represent energy consumed by the four casinos including energy consumed by related administrative and convention centre properties such as the 159 William Street administration building in Brisbane, the Townsville Entertainment and Convention Centre (TECC) and the Gold Coast Convention and Entertainment Centre (GCCEC). (GCCEC is owned by the Queensland government but is reported here because, under energy reporting obligations, Tabcorp is deemed to have operational control over the facility.)

4. Part 2A - New Assessments completed during the reporting period

No new energy efficiency opportunity assessments were completed in the 2008/09 financial year.

5. Part 2B - Update of assessments originally reported in previous reporting periods

Table 2.3 - Opportunities assessed to an accuracy of $\pm 30\%$ or better

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 - < 2 years	2 - \leq 4 years	> 4 years	
Outcomes of assessment	Total Identified	15	6,359	3,210	15,457	25,026
Business Response	Under Investigation	9	1,039	2,958	2,439	6,436
	To be Implemented	0	0	0	0	0
	Implementation Commenced	3	0	252	1,336	1,588
	Implemented	3	5,320	0	11,682	17,002
	Not to be Implemented	0	0	0	0	0

Note

No opportunities were assessed to an accuracy of worse than $\pm 30\%$.

6. Part 2C - Details of at least three significant opportunities found through EEO assessments

Note

The cost and savings figures provided below include opportunities with a payback period of greater than 4 years

Table 2.5 – Description of significant opportunities

Star City – Sydney

New assessments

No new assessments were performed in the reporting period

Opportunities identified, analysed and costed

- Scada/Ecoview sub-metering of entire site to measure consumption of energy within the individual areas / departments within the property. This will enable greater analysis of energy consumption and allow the property to develop targeted energy saving projects
- Installation of a Chiller Efftrack system to reduce water consumption of air-conditioning chillers. This will have a flow on savings in energy consumption through reduced demand on pumps and other equipment within the chillers
- Installation of variable speed drives for car park fans
- Electronic boiler control (micro modulation of 4 x boilers replacing the mechanical linkage control)

Status of opportunities under investigation

Project implementation cost: \$975,000

Energy cost savings:

- Energy reduction of 14,259 GJ per annum
- Energy cost savings of \$256,000 per annum

Other opportunities identified – to be reviewed further for potential inclusion into EEO program

- Day-lighting technology (PE Cells, movement sensors, LED Lighting)
- Efficient use of chillers based on staging strategies relevant to load demand (Low Load Chiller power pax)
- Water recycling plant
- Installation of variable speed drives on cooling tower fans

Conrad Jupiters – Gold Coast

New assessments:

No new assessments were performed in the reporting period

Opportunities identified, analysed and costed

- Sub-metering of entire site to measure consumption of energy within the individual areas / departments within the property. This will enable greater analysis of energy consumption and allow the property to develop targeted energy saving projects
- Power Factor correction project - which is aimed at reducing "distribution loss" of electricity throughout the Conrad Jupiters property. As there is reduced "loss" of electricity over the property, less electricity needs to be purchased

Status of opportunities under investigation

Project implementation cost: \$300,000

Energy cost savings:

- Energy reduction of 3,126 GJ per annum
- Energy cost savings of \$69,000 per annum

Other opportunities identified – to be reviewed further for potential inclusion into EEO program

- Chiller water flow balancing to gain full usage from our chillers
- Use large item equipment such as chillers as metering sites
- Installation of variable speed drives on high usage pumps and energy savings pumps
- Replacement of neon and incandescent lighting with energy saving fluorescent and or LED lighting in both Hotel and Casino



Conrad Treasury Casino

New assessments:

No new assessments were performed in the reporting period.

Opportunities identified, analysed and costed

- Sub-metering of entire site to measure consumption of energy within the individual areas / departments within the property. This will enable greater analysis of energy consumption and allow the property to develop targeted energy saving projects
- Installation of a Chiller Efftrack system to reduce water consumption of air-conditioning chillers. This will have a flow on savings in energy consumption through reduced demand on pumps and other equipment within the chillers

Status of opportunities under investigation

Project implementation cost: \$215,275

Energy cost savings:

- Energy reduction of 2,958 GJ per annum
- Energy cost savings of \$65,742 per annum

Other opportunities identified – to be reviewed further for potential inclusion into EEO program

- Lighting control for unoccupied areas
- Day-lighting
- Efficient use of chillers based on staging strategies relevant to load demand
- Installation of variable speed drives on cooling tower fans
- Installation of variable speed drives on car park exhaust fans



Jupiters Townsville Casino

New assessments:

No new assessments were performed in the reporting period

Opportunities identified, analysed and costed

- Sub-metering of entire site to measure consumption of energy within the individual areas / departments within the property. This will enable greater analysis of energy consumption and allow the property to develop targeted energy saving projects
- Chiller plant replacement
- Install LED lighting where possible

Status of opportunities under investigation

Project implementation cost: \$1,930,000

Energy cost savings:

- Energy reduction of 4,683 GJ per annum
- Energy cost savings of \$118,000 per annum

Other opportunities identified – to be reviewed further for potential inclusion into EEO program

- Lighting control for unoccupied areas
- Review chiller set-points
- Installation of variable speed drives on cooling tower fans, car park fans, pumps, etc

7. Part 3 - Voluntary Contextual Information

Table 3.1 – Contextual Information

Tabcorp recently discovered that the total energy consumption reported for the Casinos division in the 2007/08 financial year had been recorded incorrectly by the engineering consultancy engaged by Tabcorp to assist with our EEO reporting. The error occurred when the consultants recorded 91,296 litres of LPG gas consumed by the Townsville Casino as units of energy (GJ). The correct value of 580,604 GJ (616,682 GJ reported previously) for that year has been advised to the Department of Resources, Energy and Tourism.

8. Part 4 - Declaration

Table 4.1 - Declaration of accuracy and compliance (mandatory information)

The information included in this report has been reviewed and noted by the board of directors and is to the best of my knowledge, correct and in accordance with the *Energy Efficiency Opportunities Act 2006* and *Energy Efficiency Opportunities Regulations 2006*.


 Insert Title of Signatory here **COMPANY SECRETARY**
TABCORP HOLDINGS LTD
 Date **22/12/09**