



## REVISED PUBLIC REPORT

*This form is a template only. It contains the minimum fields required for public reports.*

*You do not need to use this form if you have made the required information publicly available in another format*

### Part 1 - Corporation details

#### Period to which the report relates

Start Period

End Period


#### Controlling corporation

Insert the name of the controlling corporation exactly as it is registered with the EEO Program.

#### Table 1.1 - Major changes to corporate group structure or operations

Table 1.1 – Major changes to corporate group structure or operations in the last 12 months

#### Declaration

Declaration of accuracy and compliance	
<p>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 <i>Energy Efficiency Opportunities Act 2006</i> and <i>Energy Efficiency Opportunities Regulations 2006</i>. All opportunities have been assessed to a level of accuracy that is commensurate with the financial investment required for implementation.</p>	<p><b>Alick Osborne</b> </p> <p><b>Chief Executive Officer</b> <b>Tully Sugar Limited</b></p> <p><b>Date:</b> <i>6 December 2013</i></p>

## Part 2 - Assessment outcomes

**(If you are a 2006–07 trigger corporation, you do not have to complete this section. Please move on to Part 3)**

It is compulsory to complete Tables 2.1 to 2.3 for each entity (subsidiary, business unit, key activity or site) that has been assessed.

**Table 2.1 – Assessment details**

<b>Name of entity</b>	<b>Tully Sugar Mill Imported Electricity Usage</b>	
<b>A. Total corporate energy use in the last financial year</b>	<b>8223</b>	<b>GJ</b>
<b>B. Total energy use covered by assessments</b>	<b>7778</b>	<b>GJ</b>
<b>C. Total percentage of energy use assessed <math>(B \div A) \times 100</math></b>	<b>94.6</b>	<b>%</b>

**Description of the way in which the entity carried out its assessment:**

**Tully Sugar utilised consultants to determine the following :-**

- A compressed air efficiency report, to determine demand requirements of different areas of the factory and to identify the correct sizing and configuration of replacement compressors and associated plant.**

**Tully Sugar increased the Bagasse Storage Area by a further 5000 tonne.**

**Increase of bagasse storage = 5000 Tonne.**

**Calorific value of bagasse = 9100 kJ / Kg, (0.0091 GJ / Tonne)**

**Therefore if we store and use 5000 Tonne of bagasse, Energy content is  $5000 \text{ T} \times 0.0091 \text{ GJ/T} = 45.5 \text{ GJ}$ .**

**This means 45.5 GJ of bagasse can be converted to electricity rather than being dumped.**

**Table 2.2 - Energy efficiency opportunities identified in the assessment**

Status of opportunities identified		Total Number of opportunities	Total estimated energy savings per annum (GJ)
Business response	Implemented	1	45.5 (Note 1)
	Implementation commenced		
	To be implemented		
	Under investigation	1	Cannot be estimated at this stage as design not finalised.
	Not to be implemented		
Outcomes of assessment	Total identified	2	Cannot be estimated at this stage as design not finalised.

Please note that corporate groups **are not required** to report opportunities with a payback greater than four years. Reporting this data is voluntary.

**Note 1. The 45.5 GJ above is not energy saved; rather it is energy that will be converted to electricity rather than fuel being dumped.**

## Part 2 - Assessment outcomes

**(If you are a 2006–07 trigger corporation, you do not have to complete this section. Please move on to Part 3)**

It is compulsory to complete Tables 2.1 to 2.3 for each entity (subsidiary, business unit, key activity or site) that has been assessed.

**Table 2.1 – Assessment details**

<b>Name of entity</b>	<b>Tully Sugar Staff Residences &amp; Recreation / Meeting Hall</b>	
<b>D. Total corporate energy use in the last financial year</b>	<b>269</b>	<b>GJ</b>
<b>E. Total energy use covered by assessments</b>	<b>269</b>	<b>GJ</b>
<b>F. Total percentage of energy use assessed <math>(B \div A) \times 100</math></b>	<b>100 %</b>	<b>%</b>

**Description of the way in which the entity carried out its assessment:**

**Energy use varies depending on number of staff tenants in mill owned residences (opposed to general public rentals) and number of functions held at recreation / meeting hall (i.e. weddings, parties, anything).**

**When members of the public hire the recreation / meeting hall, information is supplied requesting the correct usage and settings for the electrical equipment such as , Airconditioning, Bain Marie's and Fridge / Freezers.**

**Table 2.2 - Energy efficiency opportunities identified in the assessment**

Status of opportunities identified		Total Number of opportunities	Total estimated energy savings per annum (GJ)
Business response	Implemented		
	Implementation commenced		
	To be implemented		
	Under investigation		
	Not to be implemented		
Outcomes of assessment	Total identified	0	

Please note that corporate groups **are not required** to report opportunities with a payback greater than four years. Reporting this data is voluntary.

## Part 2 - Assessment outcomes

**(If you are a 2006–07 trigger corporation, you do not have to complete this section. Please move on to Part 3)**

It is compulsory to complete Tables 2.1 to 2.3 for each entity (subsidiary, business unit, key activity or site) that has been assessed.

**Table 2.1 – Assessment details**

<b>Name of entity</b>	<b>Kalboon (Banyan Plaza Shopping Centre)</b>	
<b>G. Total corporate energy use in the last financial year</b>	<b>122</b>	GJ
<b>H. Total energy use covered by assessments</b>	<b>122</b>	GJ
<b>I. Total percentage of energy use assessed <math>(B \div A) \times 100</math></b>	<b>100</b>	%

**Description of the way in which the entity carried out its assessment:**

**Tully Sugar utilised consultants to determine the following :-**

- **Options for the replacement of overhead lighting in the Banyan Plaza Shopping Centre car park.**

**Table 2.2 - Energy efficiency opportunities identified in the assessment**

Status of opportunities identified		Total Number of opportunities	Total estimated energy savings per annum (GJ)
Business response	Implemented		
	Implementation commenced		
	To be implemented		
	Under investigation		
	Not to be implemented	1	3.78
Outcomes of assessment	Total identified	1	3.78

Please note that corporate groups **are not required** to report opportunities with a payback greater than four years. Reporting this data is voluntary.

**Table 2.3 - Details of significant opportunities identified in the assessment**

It is compulsory to report at least 1 example of a significant opportunity for improving the energy efficiency for the controlling corporation that has been identified in assessments. If a corporation has structured assessments to relate to business units or key activities they should report one significant opportunity for each of those entities to which the assessment applies.

Description of opportunity No. 1	Type of information to be covered
<p><b>Tully Sugar Mill’s compressor station is more than 20 years old and is exhibiting signs of inefficiency and increased maintenance costs.</b></p> <p><b>The compressors and ancillary equipment is forecast for replacement during 2014.</b></p> <p><b>As the compressors are utilised during the maintenance season (when TSL imports all its electrical power requirements) as well as during the crushing season (when TSL is generating all its power requirements as well as exporting 10 MW to the distribution system), it was decided to undertake an audit of TSL’s compressed air systems to fully understand operational and design requirements prior to the purchase and installation of replacement plant.</b></p> <p><b>A compressed air efficiency report was undertaken by consultants (SMC), in October 2013 to identify the demand requirements of different areas of the factory and to identify the correct sizing and configuration of replacement compressors and associated plant.</b></p> <p><b>The compressed air system is a major user of imported electricity during the maintenance season, therefore efficiency gains realised through the correct sizing and configuration of replacement air compressors and ancillary services will have a direct impact on the reduction of imported electricity and hence reduction of electricity costs.</b></p>	Equipment type
	Business response
	Energy saved (GJ)
	Greenhouse gas abated (CO2-e)
	\$ saved
	Payback period





Description of opportunity No. 2 - voluntary	Type of information to be covered
<p>Lighting consultants were utilised to determine the options for the replacement of overhead lighting in the Banyan Plaza Shopping Centre car park. The opportunity to replace six existing 250 W Mercury Vapour Street Lights with six 130 W LED Street Lights resulted in a payback period of approximately seven years due to the lights only being used for four hours per night.</p>	Equipment type
	Business response
	Energy saved (GJ)
	Greenhouse gas abated (CO2-e)
	\$ saved
	Payback period

Description of opportunity No 3 - voluntary	Type of information to be covered
	Equipment type
	Business response
	Energy saved (GJ)
	Greenhouse gas abated (CO2-e)
	\$ saved
	Payback period

Please note that the *Description of opportunity* above should include information on the specific nature and type of opportunity as well as information on the type of equipment and/or process involved.

