

## PUBLIC REPORT 2010

*Please consult the explanatory document when completing this template*

### Controlling Corporation

**Tully Sugar Limited**

### Period to which this report relates

Start **1 July 2006**

End **30 June 2010**

(eg. for a Corporate Group with the trigger-year 2005-06, the report will cover the period 1.7.2006-30.6.2010)

### 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**

- :- TSL implemented the identified opportunity from the first reporting period. ( i.e. Increase Bagasse Storage Area )**
- :- No further opportunities have been identified due to the same reasons stated in the previous reporting period.**
- :- A “Co-Generation Project Investigation” commenced in March 2009 and completed in July 2009 has been undertaken to assess a number of possible co-generation projects, identify the most promising and indicate possible returns.**
- :- TSL is continuing its Loco Engine replacement program. Where engine age and overhaul cost does not warrant repair, these engines are replaced with modern electronically controlled diesel engines.**

## Part 1 – Information on assessments completed to date (continued)

<b>Table 1.2 – Energy use assessed</b>		
<b>Group member and/or business unit and/or key activity and/or site (or part thereof) that has had an assessment completed by 30 June 2010 (Include all assessments completed to date for the current 5 year cycle).</b>	<b>Period over which assessment was undertaken<sup>1</sup></b>	<b>Energy use for the period 1.7.2009 to 30 June 2010 of the assessed entity (or part thereof) expressed in GJ<sup>2</sup></b>
Tully Sugar Limited	January 2008 → July 2009	5,076,354 GJ
<b>Total energy use of assessed entities (or part thereof)</b>		<b>5,076,354 GJ</b>
<b>Total energy use of the whole corporate group in the period 1.7.2009 to 30 June 2010</b>		<b>5,076,354 GJ</b>
<b>Total energy use of assessed entities (or part thereof) for the period 1.7.2009 to 30.6.2010 expressed as a percentage of total energy use for the period 1.7.2009 to 30.6.2010</b>		<b>100%</b>

1. This should be the start and finish date (month and year) for the assessment (planned assessment dates were nominated in Table 3.1 of the approved ARS).

2. Energy Bandwidth may only be used if approved in the Assessment and Reporting Schedule.

<b>Table 1.3 – Accuracy of energy use assessed data</b>		
<b>Entity</b>	<b>% achieved</b>	<b>Reasons for not achieving data accuracy to within ±5%</b>

## Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

### Part 2A - New assessments completed or not reported since your last Public Report

Name of Group member or business unit or key activity or site: **Tully Sugar Limited** \_\_\_\_\_

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

<b>5,076,354</b>	GJ
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( from NGER's Report )

**Table 2.1 – Opportunities assessed to an accuracy of better than or equal to (<=) ±30%**

Status of opportunities identified		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – < 2 years		2 – ≤ 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Under Investigation	0							
	To be Implemented	0							
	Implementation Commenced	0							
	Implemented	0							
	Not to be Implemented	0							
Outcomes of assessment	Total Identified	0							

**Part 2A - New assessments completed during the reporting period** (continued)

Name of Group member or business unit or key activity or site: **Tully Sugar Limited** \_\_\_\_\_

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

<b>5,076,354</b>	GJ
<i>( from NGER's Report )</i>	

**Table 2.2 – Opportunities assessed to an accuracy of worse than (>) ±30%**

Status of opportunities identified		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – < 2 years		2 – ≤ 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Under Investigation	0							
	To be Implemented	0							
	Implementation Commenced	0							
	Implemented	0							
	Not to be Implemented	0							
Outcomes of assessment	Total Identified	0							

## Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

### Part 2B - Update of assessments reported in previous Public Reports

Name of Group member or business unit or key activity or site: **Tully Sugar Limited** \_\_\_\_\_

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

<b>5,076,354</b>	GJ
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( from NGER's Report )

**Table 2.3 – Opportunities assessed to an accuracy of better than or equal to ( $\leq$ )  $\pm 30\%$**

Status of opportunities identified		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – < 2 years		2 – ≤ 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Under Investigation								
	To be Implemented								
	Implementation Commenced								
	Implemented	1		1	81.9			81.9	
	Not to be Implemented								
Outcomes of assessment	Total Identified	1		1	81.9			81.9	

**Part 2B - Update of assessments originally reported in previous Public Reports** (continued)

Name of Group member or business unit or key activity or site: **Tully Sugar Limited** \_\_\_\_\_

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

<b>5,076,354</b>	GJ
<i>( from NGER's Report )</i>	

**Table 2.4 – Opportunities assessed to an accuracy of worse than (>) ±30%**

Status of opportunities identified		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – < 2 years		2 – ≤ 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Under Investigation								
	To be Implemented								
	Implementation Commenced								
	Implemented								
	Not to be Implemented	1					1	77	77
Outcomes of assessment	Total Identified	1					1	77	77

**The 77 GJ shown above would be the energy saved from the transporting of bagasse, if the in-loading conveyor project was implemented.**

**The major cost saving from this project was the labour component, however the payback period is too long.**

## Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

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

**Table 2.5 – Description of 3 significant opportunities**

<b>Opportunity 1</b>
A “Co-Generation Project Investigation” commenced in March 2009 and completed in July 2009 has been undertaken to assess a number of possible co-generation projects, identify the most promising and indicate possible returns.
<b>Opportunity 2</b>
Tully Sugar Limited increased the onsite Bagasse storage area. More excess Bagasse was then burnt off after the crushing season was completed. Excess Bagasse was therefore not dumped on Tully Sugar’s cane farms; hence more land was available for growing cane, and more electricity was exported.
<b>Opportunity 3</b>
The Bagasse In-Loading Conveyor component of the “Increased Bagasse Storage and Proposed New Bagasse In-Loading Conveyor” project did not proceed due to the excessive payback period.
<b>Opportunity 4</b>

## Part 3 - Voluntary Contextual Information

**Table 3.1 – Contextual Information**

**Tully Sugar Mill commenced its Locomotive Engine replacement program several years ago, as the age as well as the overhaul costs of the older engines, did not warrant repair. This program is on-going.**

**Table 3.2 – Energy use expressed in Greenhouse Gas emissions and as an energy use indicator**

Period of energy use _____ to _____			
Name of group member/ business unit/ key activity/site	Energy use pa (GJ)	Energy use pa (GGE)	Energy use as an indicator*
<b>Total</b>			

**Table 3.3 - Opportunities assessed to an accuracy of better than or equal to (<=) ±30% (\$ value)**


Status of opportunities identified	Number of opportunities	Estimated energy savings per annum by payback period (\$)			Total estimated energy savings per annum (\$)
		0 – < 2 years	2 – ≤ 4 years	> 4 years	
Business Response*	Under Investigation				
	To be Implemented				
	Implementation Commenced				
	Implemented				
	Not to be Implemented				
Outcomes of assessment*	Total Identified				



### Part 3 - Voluntary Contextual Information (continued)

Table 3.4 – Changes in energy use as an indicator			
Name of group member/ business unit/ key activity/site	Current energy use as an indicator	Previous energy use as an indicator	Reasons for change
<b>Total</b>			

### Part 4 - Declaration

Table 4.1 - Declaration of accuracy and compliance (mandatory information)	
<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>.</p>	 <b>John H King</b> Chief Executive Officer Tully Sugar Limited Date <b>1<sup>st</sup> November 2010</b>