

## PUBLIC REPORT 2012

### Part 1 - Corporation Details

#### Controlling Corporation

Washington H. Soul Pattinson and Company Limited

#### 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

A review of the ownership of *New Hope Corporation Limited* in 2011 identified *Washington H. Soul Pattinson and Company Limited* as having operational control over the group. In response, *Washington H. Soul Pattinson and Company Limited* has replaced *New Hope Corporation Limited* as the registered corporation within the Energy Efficiency Opportunities program.

*Washington H. Soul Pattinson* is a diversified investment company. *New Hope Corporation* is the only large energy consumer over which *Washington H. Soul Pattinson* has operational control. As a result, it is thought that assessments conducted by *New Hope Corporation* have met the requirements of the *Energy Efficiency Program* for its parent company.

No major operational changes have occurred at the New Hope Corporation facilities over the last twelve months, with production increasing by 14% at the New Acland Mine, and by 7% at the Jeebropilly Mine.

#### Declaration

##### Declaration of accuracy and compliance

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*.



Rob Neale  
(Managing Director and CEO, New Hope Corporation)

Date 4/12/2012



## Part 2 - Assessment Outcomes

**Table 2.1 – Assessment Details**

<b>Name of entity</b>	New Acland Coal Mine	
<b>Total energy use in the last financial year*</b>	1,266	TJ
<b>Total percentage of energy use assessed when assessments were undertaken</b>	100	%

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

**During the 2010 to 2011 assessment period, New Hope Corporation engaged a specialist external consultancy to assist with collection and evaluation of baseline energy at its three EEO facilities. New Hope Corporation continues to review the identified opportunities, and has made business decisions on most. Opportunities which remain under investigation will be carried through to the second cycle of the EEO program.**

\* Energy use is as per NGER, with the exclusion of non-combusted oils and greases, as required by Part 2 of the *Energy Efficiency Opportunities Regulations 2006*.

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

New Acland Coal Mine									
Status of opportunities identified to an accuracy of better than or equal to $\pm 30\%$		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	Implemented	5	4	78,800	0	0	1	1,200	80,000
	Implementation Commenced	0	0	0	0	0	0	0	0
	To be Implemented	0	0	0	0	0	0	0	0
	Under Investigation	6	5	420	1	380	0	0	800
	Not to be Implemented	1	0	0	1	390	0	0	390
Outcomes of assessment	Total Identified	12	9	79,220	2	770	1	1,200	81,190
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	2	2	43,500	0	0	0	0	43,500
	Implementation Commenced	3	2	15,800	1	740	0	0	16,540
	To be Implemented	0	0	0	0	0	0	0	0
	Under Investigation	3	2	18,020	1	720	0	0	18,740
	Not to be Implemented	1	0	0	1	320	0	0	320
Outcomes of assessment	Total Identified	9	6	77,320	3	1,780	0	0	79,100



**Table 2.3 – Assessment Details**

<b>Name of entity</b>	Jeebropilly Coal Mine	
<b>Total energy use in the last financial year*</b>	549	TJ
<b>Total percentage of energy use assessed when assessments were undertaken</b>	100	%

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

**During the 2010 to 2011 assessment period, New Hope Corporation engaged a specialist external consultancy to assist with collection and evaluation of baseline energy at its three EEO facilities. New Hope Corporation continues to review the identified opportunities, and has made business decisions on most. Opportunities which remain under investigation will be carried through to the second cycle of the EEO program.**

\* Energy use is as per NGER, with the exclusion of non-combusted oils and greases, as required by Part 2 of the *Energy Efficiency Opportunities Regulations 2006*.

**Table 2.4 - Energy efficiency opportunities identified in the assessment**

<b>Jeebropilly Coal Mine</b>									
<b>Status of opportunities identified to an accuracy of better than or equal to ±30%</b>		<b>Total Number of opportunities</b>	<b>Estimated energy savings per annum by payback period (GJ)</b>						<b>Total estimated energy savings per annum (GJ)</b>
			<b>0 – 2 years</b>		<b>2 – 4 years</b>		<b>&gt; 4 years</b>		
			<b>No of Opps</b>	<b>GJ</b>	<b>No of Opps</b>	<b>GJ</b>	<b>No of Opps</b>	<b>GJ</b>	
<b>Business Response</b>	Implemented	3	1	20	0	0	2	71	91
	Implementation Commenced	0	0	0	0	0	0	0	0
	To be Implemented	0	0	0	0	0	0	0	0
	Under Investigation	2	0	0	0	0	2	330	330
	Not to be Implemented	0	0	0	0	0	0	0	0
<b>Outcomes of assessment</b>	<b>Total Identified</b>	<b>5</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>401</b>	<b>421</b>
<b>Status of opportunities identified to an accuracy of worse than ±30%</b>									
<b>Business Response</b>	Implemented	1	1	4,154	0	0	0	0	4,154
	Implementation Commenced	1	1	8,493	0	0	0	0	8,493
	To be Implemented	0	0	0	0	0	0	0	0
	Under Investigation	0	0	0	0	0	0	0	0
	Not to be Implemented	3	1	140	1	170	1	120	430
<b>Outcomes of assessment</b>	<b>Total Identified</b>	<b>5</b>	<b>3</b>	<b>12,787</b>	<b>1</b>	<b>170</b>	<b>1</b>	<b>120</b>	<b>13,077</b>



**Table 2.5 – Assessment Details**

<b>Name of entity</b>	QBH Coal Export Terminal	
<b>Total energy use in the last financial year*</b>	72	TJ
<b>Total percentage of energy use assessed when assessments were undertaken</b>	100	%

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

**During the 2010 to 2011 assessment period, New Hope Corporation engaged a specialist external consultancy to assist with collection and evaluation of baseline energy at its three EEO facilities. New Hope Corporation continues to review the identified opportunities, and has made business decisions on most. Opportunities which remain under investigation will be carried through to the second cycle of the EEO program.**

\* Energy use is as per NGER, with the exclusion of non-combusted oils and greases, as required by Part 2 of the *Energy Efficiency Opportunities Regulations 2006*.

**Table 2.6 - Energy efficiency opportunities identified in the assessment**

QBH Coal Export Terminal									
Status of opportunities identified to an accuracy of better than or equal to $\pm 30\%$		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	Implemented	2	0	0	1	110	1	9	119
	Implementation Commenced	0	0	0	0	0	0	0	0
	To be Implemented	0	0	0	0	0	0	0	0
	Under Investigation	0	0	0	0	0	0	0	0
	Not to be Implemented	0	0	0	0	0	0	0	0
Outcomes of assessment	Total Identified	2	0	0	1	110	1	9	119
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	2	1	7,000	1	145	0	0	7,145
	Implementation Commenced	1	0	0	0	0	1	2,126	2,126
	To be Implemented	0	0	0	0	0	0	0	0
	Under Investigation	0	0	0	0	0	0	0	0
	Not to be Implemented	2	1	3,700	0	0	1	40	3,740
Outcomes of assessment	Total Identified	5	2	10,700	1	145	2	2,165	13,010



**Table 2.7 - Details of significant opportunities identified in the assessment**

**Energy Efficiency High Bay Lamps**

At QBH Coal Export Terminal an opportunity has been identified and implemented to replace existing mercury vapour lamps with more efficient LED lamps in the workshop area. This opportunity results in both energy savings, and maintenance savings due to the longer lamp life of the LED lighting.

**Maximise CHPP throughput**

At Jeebropilly Coal Mine, a concerted effort has been made to increase throughput to the coal handling and preparation plant (CHPP). As much of the equipment in the plant runs at maximum efficiency near the design point, this has resulted in a decrease in energy use per unit of throughput.

**Installation of photo-electric sensors**

At Jeebropilly Coal Mine, an opportunity has been identified where lighting in workshop areas was operating during daylight hours. Photo-electric sensors have been installed so that lighting is switched off when sufficient natural light is available.