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## Greenhouse pollution from new coal projects set to be ignored under controversial NSW law change

More than two billion tonnes of greenhouse gas emissions from eleven new coal mines or mine expansion projects in the NSW planning system would be ignored by planning authorities if a controversial piece of legislation goes ahead. Figures from the environmental assessment materials of the ten projects reveal together they are seeking to access over a billion more tonnes of coal. That's in addition to the coal already approved for mining at 35 existing coal mines between now and 2040.

Table 1: Downstream greenhouse gas potential of eleven current coal mine projects and one gasfield<sup>1</sup>

Mine project	Proponent	Mtpa	Type	region	years	Total coal (Mt)	Downstream GHG
Maxwell	Malabar	7	New mine	Hunter	26	148	326
Spur Hill	Malabar	6	New mine	Hunter	25	154	280.67
Vickery	Whitehaven	10	New mine	Namoi	25	135	388.12
Hume	POSCO	3.5	New mine	Sthn Highlands	23	39	5.9
Dendrobium	South32	5.2	Extension	Illawarra	24	78	237.07
Glendell Continuation	Glencore	7.5	Extension	Hunter	20	135	220.42
Mangoola Continuation	Glencore	10.5	Extension	Hunter	8	52	104.29
Russell Vale	Wollongong Coal	3	Re-opening + expansion	Illawarra	-	4.7	9.62
Newstan	Centennial	4	Extension	Lake Macquarie	15	25.9	50.35
Angus Place	Centennial	4	Re-opening + expansion	Blue Mountains	25	100	23.6
Mount Pleasant Optimisation	Mach Energy	21	Extension	Hunter	22	250	486
Narrabri gas project	Santos	*	Gasfield	Namoi	25	*	94.24
<b>Total coal</b>						<b>1,121.6</b>	
<b>Potential greenhouse gas emissions</b>							<b>2,132.04</b>

When burned, this coal could produce over 2.1 billion tonnes (gigatonnes) of greenhouse gas pollution, including downstream emissions from the proposed Narrabri coal seam gasfield that would produce a further 94.24 million tonnes of downstream greenhouse gases.<sup>2</sup>

Table 2: Table of source material for greenhouse gas volumes

<sup>1</sup> Sources for coal tonnage and greenhouse estimates are listed in Table 2. For three mines which have not yet produced Environmental Impact Statements so have not estimated downstream emissions, a 0.8 factor was applied to derive product coal from run-of-mine (ROM) coal estimates and a greenhouse factor of 2.43 applied to the result - the emissions factor for burning bituminous coal for electricity in the August 2019 *National Greenhouse Accounts Factors*. The low GHG estimates provided by Hume and Angus Place in their environmental impact statements seem anomalous.

<sup>2</sup> Santos, 2017. *Narrabri Gas Project EIS*. Chapter 24 Greenhouse gas emissions. (Annual indirect emissions multiplied by the proposed 25 year life of the gasfield.)

Mine project	Proponent	Source	Link	Notes
Maxwell	Malabar	Appendix J Environmental Impact Statement (p. 53)	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-9526%2120190808T070814.121%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-9526%2120190808T070814.121%20GMT</a>	Company estimate
Spur Hill	Malabar	Preliminary Environmental Assessment (p.7)	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=PDA-105%2120190228T215914.010%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=PDA-105%2120190228T215914.010%20GMT</a>	ROM coal
Vickery	Whitehaven	Appendix E Environmental Impact Statement (p.51)	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-7480%2120190303T213427.825%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-7480%2120190303T213427.825%20GMT</a>	Sum of values "end use of product coal" in Table 9-3
Hume	POSCO	Appendix K Environmental Impact Statement (p.93)	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-7172%2120190301T010450.909%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-7172%2120190301T010450.909%20GMT</a>	Sum of values "end use of coal" Table 11-3
Dendrobium	South32	Appendix I Environmental Impact Statement (p.65)	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-8194%2120190724T060903.296%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-8194%2120190724T060903.296%20GMT</a>	Sum of values "End use of coal" Table 8-3
Glendell Continuation	Glencore	Appendix 28 Environmental Impact Statement	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-9349%2120191209T222458.979%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-9349%2120191209T222458.979%20GMT</a>	Company estimate
Mangoola Continuation	Glencore	Appendix 22 Environmental Impact Statement	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-8642%2120190705T025715.653%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-8642%2120190705T025715.653%20GMT</a>	Company estimate
Russell Vale	Wollongong Coal	Revised Preferred Project Report and Response to Second PAC Review		Company estimate
Newstan	Centennial	Newstan Mine Extension Scoping Report (p.1)	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=PDA-733%2120190516T055558.333%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=PDA-733%2120190516T055558.333%20GMT</a>	ROM coal
Angus Place	Centennial	Air Quality and Greenhouse Assessment Environmental Impact Statement	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-5602%2120190513T065152.319%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-5602%2120190513T065152.319%20GMT</a>	Annual estimate downstream coal burning in Table 44 multiplied by mine life
Mount Pleasant Optimisation	Mach Energy	Scoping Report	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=PDA-1056%2120191220T024043.315%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=PDA-1056%2120191220T024043.315%20GMT</a>	Derived ROM coal : product coal ratio of 1:0.8 based on est max. of 21:17
Narrabri gas project	Santos	Narrabri Gas Project EIS. Chapter 24 Greenhouse gas emissions	<a href="https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-6456%2120190228T034750.278%20GMT">https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-6456%2120190228T034750.278%20GMT</a>	Annual indirect emissions x 25 years

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