

CENTRAL QUEENSLAND **COAL** DEVELOPMENT PROJECTS

Project	Company	Status	Proposed Start-Up	Est. Cap Exp	Employment	Mining Tenure	New capacity (Total)
Baralaba (open-cut)	Cockatoo Coal Ltd (62.5%) JS Baralaba Wonbindi Pty Ltd (37.5%)	Now Operating at 750 KT p.a. until 2015	2012	n/a	n/a (con) 100 (op)	ML 5605 & ML80157	n/a PCI 90% & thermal
Curragh (open-cut)	Wesfarmers Ltd	Expansion - Completed June 2012	2012	\$286m	300 (con), 90 (op)	ML 1878 & others	Up to 8.5 Mt coking
Burton (open-cut)	Peabody Energy Ltd	Expansion - Completed, Coal production Started September 2012	Sep-12	\$300m	na	ML 70109	2.5 Mt coking
Ensham Central B&P (UG)	Ensham Resources	Expansion - under construction	2012	\$166m	80 (con), 160 (op)	ML 70365 & others	1.7 Mt thermal
Jax (open-cut)	QCoal Ltd	New project - FS	2012	\$280m	100 (op)	MLA 10346	1.8 Mt (ROM) coking
Foxleigh Plains (open-cut)	Anglo American Metallurgical Coal Ltd	Extension - FS ML granted 13 Nov 2012	2013	\$180m	90 (op)	ML 70470	1.4 Mt PCI
Daunia (open-cut)	BHP Billiton Mitsubishi Alliance (BMA)	New project - under construction (68% complete)	2013	/A\$1550m (US\$1600m)	1000 (con), 450 (op)	ML 1781 & 70115	2.5 Mtpa coking
Broadmeadow (UG)	BHP Billiton Mitsubishi Alliance (BMA)	Expansion - under construction (83% complete)	2013	A\$874m	650 (con); existing (op)	ML 1763	0.4 Mtpa coking
Orion Downs Meteor (Downs South) (open-cut & UG)	Endocoal Ltd	New project - FS	2013	\$100m	200 (op)	MLA 70452	1.5 Mt thermal
Lake Vermont expansion (open-cut)	Jellinbah Group (Jellinbah, Marubeni, Sojitz)	Expansion - under construction	2013	\$200m	350 (con), 150 (op)	ML 70331	4 Mt coking & PCI
Teresa (UG)	Linc Energy Ltd	New project - FS, EIS in progress	2013	\$750m	500 (con) 380 (op)	MLA 70405 & 70442	8 Mt PCI
Millennium (open-cut)	Peabody Energy Ltd	Expansion - under construction	2013	A\$270m (US\$275m)	160 (con), 480 (op)	ML 70457 & others	1-2 Mt coking

Source: BREE Apr & Oct 2012 and DNRM, Rockhampton September 2012

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North Goonyella (UG)	Peabody Energy Ltd	Expansion - introduce a LTCC system, committed	2013	\$150m	na	ML 6949	Up to 5 Mt coking
Kestrel (UG)	Rio Tinto Ltd	Extension - under construction	2013	A\$1942m	250 (con), existing (op)	ML 1978 & others	1.4 Mt hard & semi hard coking
Styx (open-cut)	Waratah Coal Ltd	New project - pre-FS underway Draft EM plan	2013	\$0 - \$250m	140 e (con), 110 e (op)	EPC 1029	1.9 Mtpa (ROM) thermal & coking coal
Collinsville (open-cut)	Xstrata Coal Ltd	Expansion - pre-FS underway	2013	na	na	ML granted	6 Mt coking & thermal
Yarrabee East (open-cut)	Yancoal Aust. Ltd	Expansion - ML granted 4 Oct 2012 waiting for rail and port allocations #	2013 ?	\$260m	100 (op)	ML 80172	Up to 4 Mt PCI
Grosvenor (Stage 1) (UG)	Anglo American Metallurgical Coal Ltd	New project - Stage 1 under construction (started June 2012)	Late 2013	A\$1650m	400 (con), 380 (op)	MLA 70378	5 Mt hard coking
Eaglefield/Denham (open-cut)	Peabody Energy Ltd	Expansion - feasibility study underway	2013 - 14	na	650 (con), 120 (op)	ML 4969	5.2 Mt coking (ROM)
Wilton (South)	Wilton Coking Coal Pty Ltd	New Project	Late 2013 - early 2014	na	na (con), 400 (op)	MLA 70464 & MLA 70465	10 Mtpa Coking
Caval Ridge (open-cut)	BHP Billiton Mitsubishi Alliance	New project - under construction (48% complete)	2014	US\$3740m	2000 (con), 500 (op)	ML 1775 & MLA 70462	5.5 Mtpa hard coking (Phase 1)
Middlemount (open-cut)	Gloucester Coal /Peabody Energy (50%)	Expansion - under construction	2014?	\$500m	na	ML 70417	3.6 Mt coking & PCI (Stage 2)
Baralaba North (Open-cut)	Cockatoo Coal Ltd (80%), JS Baralaba Wonbindi Pty Ltd (20%)	Expansion -Start Construction 2014. First Coal Q4 2014	2014	\$500m	171 (con) 200 (op)	MLA 80169 and MLA 80170	1 MTPA PCI 90%

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Minyango (UG)	Guangdong Rising (Aust.) Ltd (Caledon Resources)	New project - FS	2014	\$750m	500 (con), 400 (op)	MLA 80173	7.5 Mt thermal & coking
Jellinbah East (Mackenzie North) (open-cut)	Jellinbah Group (Jellinbah, Marubeni, Sojitz)	Extension - pre-feasibility underway	2014	\$75m	100 (con); existing (op)	MLA 70445 & 70446	2 Mt PCI & coking
Drake (open-cut)	QCoal Ltd	New project - FS	2014	\$350m	350 (con), 480 (op)	MLA 10349 & 10350	6 Mt coking and thermal
Taroborah (open-cut & UG)	Shenhua International Group	New project - FS	2014	\$400m	800 e (con) 450 e (op)	MDLA 467	2.3 Mt coking
Rolleston (Phase 1) (open-cut)	Xstrata Coal Ltd	Expansion - FS	2014	\$391m	na (con), 150 (op)	MLA 70307 & others	3 Mt thermal
Sarum (open-cut and UG)	Xstrata Coal Ltd, Sumisho, Itochu, ICRA	New project - FS	2014	\$1000m	na	MLA 10336 & 10365	6.5 Mt thermal & coking
Dingo West (open-cut)	Bandanna Energy Ltd	Expansion - EIS 80% complete, FS completed	End of 2014	\$135m	220 (con), 120 (op)	MLA 80180	1 Mt PCI & thermal
Springsure Creek - Golden Triangle (UG)	Bandanna Energy Ltd	New project - EIS underway, FS completed	1st half 2015; longwall by end of 2016	\$1100m	Con/Op na 184 year 1; 480 year 2	MLA 70461	5.5 Mtpa(1 longwall); 11 Mtpa (when 2 longwall) (ROM) thermal
Carmichael Coal (open-cut & UG)	Adani Mining Ltd	New project - EIS under way FS	2015	\$6800m	3000 (con), 3000 (op)	MLA 70456	Up to 60 Mt thermal
South Galilee (open-cut and UG)	AMCI, Bandanna Energy Ltd	New project - Finalizing EIS, FS Start-up date dependant on Wiggins Island Coal Export Terminal completion	2015	\$4150m	2000 (con), 1280 (op)	MLA 70453	15 Mt thermal

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Talwood (UG)	Aquila Resources Ltd	New project - pre-FS underway	2015	\$700m	400 (con) 300 (op)	MLA 70471	3.6 Mt PCI & thermal
Baralaba South (Open-cut)	Cockatoo Coal Ltd (80%), JS Baralaba Wonbindi Pty Ltd (20%)	Expansion - MLA lodged on the 12/10/2012. TOR drafted. EIS commenced.	2015	\$300m	192 (con) 200 (op)	MLA 80193	2.5-3.5 MTPA PCI 90% & Thermal
New Lenton (open-cut)	New Hope Corp. Ltd	New project – pre-FS completed	2015	\$400m e	400 e (op)	ML 70337 & MLA 70456	5 Mt coking & thermal
Willunga/Vermont East (open-cut)	Peabody Energy Ltd	New project - FS	2015	\$300m	na	EPC 721	3 Mt PCI and thermal
Byerwen (open-cut)	QCoal Ltd/JFE Steel Corp	New project - FS	2015	\$1591m	na (con), 1000 (op)	MLA 70434 & others	10 Mt coking
Curragh (Curragh West) (open-cut)	Wesfarmers Ltd	Expansion - FS underway	2015	na	70 e (con), 100 e (op)	MLA 80171	Up to 0.3 Mt coking
Togara North (UG)	Xstrata Coal Ltd	New project - pre-FS underway	2015	\$800m	1000 (con) 450 (op)	ML 70149	6 Mtpa thermal
Curragh South (open-cut)	Peabody Energy Ltd	New project - pre-FS underway	2015?	na	400 e (op)	MDL 162	6 Mtpa (ROM) coking
Moorvale B&P (UG)	Peabody Energy Ltd	Expansion - pre-FS underway	2015?	\$180m e	80 e (con) 160 e (op)	ML 70290	1 Mt coking and PCI
Moranbah South (UG)	Anglo Amer. Met Coal / Exxaro Australia	New project - pre-FS underway (Shelved?)	2016	\$1500m - \$2500m	1200 (con), 650 (op)	MDL 277 & MDL 377	12 Mt coking
Eagle Downs (Peak Downs East - UG)	Aquila Resources / Vale Australia	New project - under construction	2016	\$1254m	na	ML 70389	4.5 Mt hard coking

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Belvedere (UG)	Aquila Resources/Vale	New project - FS Stage on hold	2016	\$2814m	600 (con), 400 (op)	MLA 80153 & others	Up to 7 Mt hard coking
Wards Well (UG)	BHP Billiton Mitsubishi Alliance	New project - FS	2016	\$795	1000 (con), 500 (op)	ML 1790 & MLA 70443	5 Mt hard coking
Eastern Creek (open-cut)	NCA JV (Xstrata Coal Ltd 55%)	Extension - EIS & pre-FS underway	2016	na	130 e (op)	MLA 10352	Extend mine life 27 yrs
Winchester South (open-cut)	Rio Tinto Ltd	New project - pre-FS	2016	\$500m - \$1000m	400 (op)	MDL 183	4 Mt thermal & coking
Alpha Coal Project (Tad's Corner) (open-cut)	GVK (79%), Hancock Coal Ltd (21%)	New project - DFS & BFS complete, EIS & EPBC approved, MLA in process	1st Coal Q3 2016; Ramp up 2016-2019	\$10b (inc. mine, port and rail)	Mine, rail & port combined 4000 (con), 1800(op)	MLA 70426	32 Mt thermal
Alpha North Coal Project Laglan	Waratah Coal Ltd	New Project - Commenced feasibility studies	Q4 2016	na	na	MDL 485	56 Mtpa raw (40 Mtpa thermal)
China First (Galilee Coal Project) (open-cut & UG)	Waratah Coal Ltd	New project - FS	2016/17	\$8000m	3500 (con), 2460 (op)	MLA 70454	up to 40 Mtpa thermal for at least 25 years
Grosvenor (Stage 2) (UG)	Anglo American Metallurgical Coal Ltd	Expansion - Stage 2 Pre-FS	2017	A\$500m - \$1000m	na	MLA 70378	6 Mt hard coking
Collingwood Project (North Surat) (Open-cut)	Cockatoo Coal (Taroom) Pty Ltd (51%), Mitsui (49%) (MCH Surat Basin Investment P/L)	New Project - Collingwood 2 & 3 ML Applications submitted in Feb 2012. Collingwood 1 & 4 ML Applications submitted in October 2012.	2017	\$800m	600 (con) 400 (op)	MLA55011, MLA55012, MLA55015, MLA55016	4.2MTPA
Bundi Coal Project	MetroCoal	New project - feasibility study	2017	\$994m	na	na	5 Mt thermal
China Stone Coal Project (OC & UG)	Macmines Austasia Pty Ltd	New Project - TOR for EIS advertised 3/11/12	2017 OC 2019 UG	\$5000m + e	na (con); More than 2500 e (op)	EPC 987	Peak 60 Mtpa (ROM) thermal

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Kevin's Corner (open-cut & UG)	GVK	New project - EIS & SEIS submitted, BFS has commenced, MLA in process	1st coal Q3 2017, Ramp up 2017-2020	\$4200m	1800 (con), 1600 (op)	MLA 70425	28-30 Mt thermal
Taroom Project (Open-cut)	Cockatoo Coal (Taroom) Pty Ltd (51%), Mitsui (49%) (MCH Surat Basin Investment P/L)	New Project -Taroom MLA was submitted on the 21/12/2011	2018	\$800m	800 (con) 450 (op)	MLA5506	6 MTPA thermal
Woori Project (Open-cut)	Transferring to -Cockatoo Coal (Taroom) Pty Ltd (51%), Mitsui (49%) (MCH Surat Basin Investment P/L) - Currently Surat Coal Pty Ltd	New Project - Woori MLA was submitted on the 4/11/2008. EIS was submitted on the 2/11/2012	2018	\$400m	450 (con) 201 (op)	MLA 50247, MLA 50248	2 MTPA
Washpool (open-cut)	Aquila Resources Ltd	New project - FS, EIS underway	na	\$368m	310(con), 370 (op)	MLA 80164 & others	2.6 Mt coking
Arcadia - Golden Triangle	Bandanna Energy	New Project	na	\$500m - \$1000m	na	EPC 1742	na Thermal
Arcturus - Golden Triangle (open-cut & UG)	Bandanna Energy Ltd	New project - EIS underway, FS completed	na	\$795m	300 (con), 150 (op)	EPC 1221	5 Mt thermal (ROM)
Alpha West Project (UG)	GVK (79%), Hancock Prospecting (21%)	Still in concept stage adjoining	na	na	na	MDL 285	16-24Mtpa thermal
Ellensfield (UG)	Vale Australia Ltd	New project - FS	na	\$800m	na	MLA 70393 & others	5.5 Mt thermal & coking
Rolleston (Phase 2) (open-cut)	Xstrata Coal Ltd	Expansion - FS	na	\$400m	na	MLA 70415 & others	3 Mt thermal

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Wandoan (open-cut) (Phase 1)	Xstrata Coal Ltd	Waiting result of MLA	na	\$6000m	1400 (con), 900 (op)	MLA 50229, MLA 50230, MLA 50231, MLA 50277 & MLA 50279	22 Mtpa thermal
Oaky Creek (Phase 2)	Xstrata Coal Ltd, Sumisho, Itochu, ICRA OC	Expansion - FS	na	\$650m	na	ML 1832	5 Mt coking
Monto (Stage 1) (open-cut)	Peabody Energy / Burnett Coal	New project - Under assessment	Under assessment	\$35m	na	ML 80101 & MLA 80175	1 Mt thermal (Stage 1)
Monto (Stage 2) (open-cut)	Peabody Energy / Burnett Coal	Expansion - Under assessment	na	na	na		10 Mt thermal (Stage2)
Olive Downs North (Open Cut)	Peabody Energy Ltd	New project	Under assessment	\$20m	100 (con), 80 (op)	ML 70354	1 Mt coking and PCI
Red Hill (UG)	BHP Billiton Mitsubishi Alliance	New project - On hold	-	\$2200m	3000 (con), 1500 (op)	MLA 70421	Up to 14 Mtpa coking
Saraji East (UG)	BHP Billiton Mitsubishi Alliance	New project - On hold	-	\$1000m+	2500 (con), 1400 (op)	MLA 70383	14 Mt hard coking
Peak Downs (open-cut)	BHP Billiton Mitsubishi Alliance	Expansion - now shelved, expansion option may remain embedded within the Caval Ridge portfolio	-	\$2330m	-	ML 1775	2.5 Mtpa coking
Codrilla (open-cut)	Peabody Energy Ltd	New project - EIS completed. Deferred	deferred	\$500m	na	MLA 70450	3.2 Mt PCI

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