



December 2017

CENTRAL HIGHLANDS DEVELOPMENT REGISTER



Central Highlands, Queensland

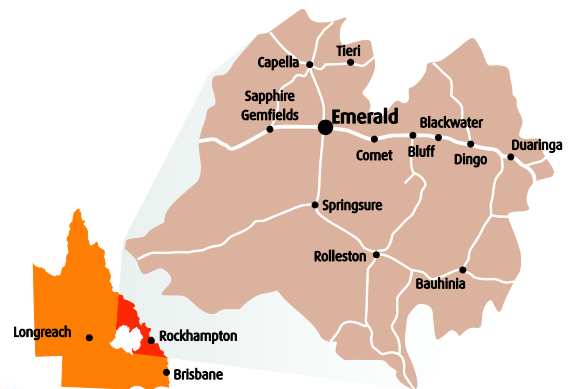
Spanning an area of almost 60,000km², the Central Highlands is nestled in the heart of Central Queensland, straddling the Tropic of Capricorn and covering a significant portion of Australia's largest coal reserve, the Bowen Basin. A young, diverse population of more than 29,000 reside throughout the 13 dynamic communities of the region, with Emerald pegged as an in-land city of the future.

The Central Highlands has a vibrant and resilient economy based on:

- A \$2.2 billion global coal mining industry with continuing expansions and developments.
- Robust agricultural and horticultural industries worth over \$740 million to the region, including beef, grain, cotton, grapes, melons and citrus, supported by irrigation from water storage on the Nogoa and Comet rivers.
- A growing tourism market worth more than \$230 million, featuring pristine natural attractions of sandstone wilderness and sapphire country across 749,000ha of world-class natural parks and the largest gemfields in the Southern Hemisphere.
- Major health and education services including Emerald Hospital, Emerald Medical Village, a CQ University campus and the Emerald Agricultural Training College.
- A vast array of dynamic small to medium enterprises, supported by professional and government sectors.

With local exports worth more than \$5.5 billion and a steady availability of commercial, residential and industrial land, supported by experienced, supply-chain ready businesses, the Central Highlands is more than you expect. Ask us how we can support your next major development.

*Want more info on the Central Highlands?
Scan the QR code to view our 'Economic Profile'.*



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KEY	
ABBREVIATION	DEFINITION
FTE	Full Time Equivalent
EST	Estimate
CH	Central Highlands
NA	Not Applicable
APPROX	Approximate
OP	Operational
CON	Construction
(e)	Estimated
MTPA	Million tonnes per annum
EIS	Environmental Impact Statement
JORC	Joint Ore Reserves Committee
MDL	Mineral Development Licence
MLA	Mining Lease Application
ML	Mining Lease
PCI	Pulverised Coal Injection
ROM	Run of Mine
TBA	To Be Advised
JV	Joint Venture
FS	Feasibility Study

Development Register

- The Central Highlands Development Register provides a snapshot of key developments in this region and surrounding areas.
- The Register is produced by the Central Highlands Development Corporation (CHDC) as part of its commitment to supporting and promoting sustainable regional economic development and investment attraction.
- Where the figures have not been supplied or verified, the cost component of the projects has been left blank. Information is provided by relevant proponents and/or publicly available information. Therefore, future development value is significantly higher than indicated below.
- Further detail on the below projects can be obtained by contacting CHDC or the proponent directly.
- In 2016/17, the Queensland resource sector contributed \$2.2 billion to the Central Highlands' GRP and employed more than 4,150 people.

Snapshot

DEVELOPMENT BY CATEGORY				
Category	Not Started	In Progress	Completed	TOTAL
Community Infrastructure	\$ 3,809,153	\$ 7,148,600	\$ 20,800,000	\$ 31,757,753
Retail Construction	\$ -	\$ -	\$ -	\$ -
Industrial Construction	\$ 9,400,000	\$ -	\$ -	\$ 9,400,000
Residential Construction	\$ -	\$ 37,950,000	\$ -	\$ 37,950,000
Workforce Accommodation Construction	\$ -	\$ -	\$ -	\$ -
Roads	\$ 51,800,000	\$ 30,400,000	\$ 6,500,000	\$ 88,700,000
Flood Restoration and Mitigation	\$ -	\$ -	\$ 3,600,000	\$ 3,600,000
Tourism	\$ -	\$ -	\$ 590,000	\$ 590,000
Mining	\$ 7,554,000,000	\$ 46,000,000	\$ -	\$ 7,600,000,000
Energy	\$ 900,000,000	\$ -	\$ -	\$ 900,000,000
Water and Sewerage	\$ 2,300,000	\$ 121,392,800	\$ 2,500,000	\$ 126,192,800
CH Subtotal	\$ 8,521,309,153	\$ 242,891,400	\$ 33,990,000	\$ 8,798,190,553
Rail <i>(Projects of significance located outside of the CH region)</i>	\$ 2,000,000,000	\$ 2,200,000,000	\$ -	\$ 4,200,000,000
Mining <i>(Projects of significance located outside of the CH region)</i>	\$ 59,774,000,000	\$ 2,293,000,000	\$ -	\$ 62,067,000,000
Energy <i>(Projects of significance located outside of the CH region)</i>	\$ 2,750,000,000	\$ -	\$ -	\$ 2,750,000,000
Outside CH Subtotal	\$ 64,524,000,000	\$ 4,493,000,000	\$ -	\$ 69,017,000,000
Grand Total	\$ 73,045,309,153	\$ 4,735,891,400	\$ 33,990,000	\$ 77,815,190,553

COMMUNITY INFRASTRUCTURE

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Emerald Saleyards Full Weighbridge Deck	Emerald	Installation of a full weighbridge deck.	CHRC	\$120,000	2017-2018	To commence December 2017.
Emerald Saleyards Concrete Crush Yard and Laneways	Emerald	Installation of concrete laneways and concrete crush yard.	CHRC & Qld Govt.	\$180,000	2017-2018	An additional \$100,000 funding was secured through the Works for Queensland program.
Emerald Airport Check-In Area Upgrade	Emerald	Removal of partition to allow walk through within terminal from check-in counter to departure lounge.	CHRC	\$80,000	2017-2018	To commence January 2018.
Emerald Airport Flood Mitigation	Emerald	Flood mitigation works for west side of airport.	CHRC	\$300,000	2017-2018	To commence February/March 2018.
Emerald Airport General Aviation (GA) Upgrade	Emerald	Reconstruction of the GA Apron, refueling area, construction of taxiway B/RPT apron including earthworks; drainage; pavement; sprayed bituminous surfacing and pavement markings.	CHRC	\$2,800,000	TBA	Not yet started.
Emerald Airport Entrance Upgrade	Emerald	Airport entrance beautification.	CHRC & Qld Govt.	\$100,000	2017-2018	An additional \$50,000 funding was secured through the Works for Queensland program.
Emerald Airport Solar Power Initiatives	Emerald	100KW PV System roof mount on Airport's Main Terminal Building to offset electricity consumption.	CHRC	\$229,153	2018-2019	Not yet started.
Ivy Anderson Retirement Village	Springsure	9 Unit Retirement and Care Village.	CHRC	\$ -	TBA	CHRC approval current until 20 November, 2019.
IN PROGRESS						
Concrete Floodways	Region wide	24 concrete floodways across the region.	CHRC	\$1,273,600	2017-2018	Natural Disaster Resilience Program (NDRP) funding.
Emerald Saleyards Selling Pens	Emerald	Additional selling pens adjacent to draft area.	CHRC	\$100,000	2016-2018	To be completed by 30 June, 2018.
Emerald Airport Runway Treatment	Emerald	Applying a treatment to runway extend useful life.	CHRC	\$5,300,000	2017-2018	Part A Completed
Springsure Transfer Station	Springsure	Conversion of landfill to Transfer Station.	CHRC	\$475,000	2017-2018	In progress.
COMPLETED						
New Blackwater Aquatic Centre	Blackwater	Construction phase for new facility at Hunter Street Sports Complex.	CHRC & BMA	\$15,000,000	2015-2017	Completed.
Emerald Airport Access Road	Emerald	Airport Access Road intersection with Gregory Highway.	CHRC	\$2,000,000	2015-2016	Completed.
Cycleways and active transport infrastructure	Emerald	Construction of new shared pathways identified as part of the principal cycle network.	CHRC & Qld Govt.	\$1,800,000	2016-2017	Completed
Emerald Aquatic Centre	Emerald	The Aquatic Centre Waterslides Project comprises three (3) water slides at the facility, including: 2 x 8m high water slides; and 1 x 5m high water slide.	CHRC	\$750,000	2016-2017	Completed.
Springsure Showgrounds	Springsure	Multi-purpose facility.	CHRC	\$1,250,000	2016-2017	Completed.
Sub-total Community Infrastructure Investment:				\$31,757,753		

RETAIL CONSTRUCTION

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Pilot Farm Road - Neighbourhood Centre	Emerald	950sqm neighbourhood centre containing up to 5 tenancies allowing a mix of shops, commercial premises, food premises and / or showroom.	Pitman Properties	\$ -	Subject to demand.	CHRC approval current until 8 April, 2020.
Convenience restaurant (drive-through)	Emerald	2 x convenience restaurant drive-throughs adjoining the existing neighbourhood centre in Mayfair on Mayfair Drive.	Oasis Property Group Pty Ltd	\$ -	Subject to demand.	CHRC approval current until 5 June, 2018.
IN PROGRESS						
Approval for home improvement centre	Emerald	Construction of home improvement store - offering an array of appliances, lighting dept, mother's room, cafe, garden centre, home hardware, kitchens and a trade division - on the corner of Capricorn Hwy and Chalcedony Rd.	TBA	\$ -	TBA	Initial groundwork completed. Approvals in place, however, development on hold.
Sub-total Retail Construction Investment:				\$0		

INDUSTRIAL CONSTRUCTION

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Glendon Quarry	Anakie	The application involves the expansion of the extraction area and an increase in production to 100,000 tonne per annum.	Glendon Quarry	\$ -	TBA	CHRC approval current until 15 August, 2020.
Feedlot (1,000 standard cattle units)	Dingo	Proposed feedlot includes construction of 12 production pens, 3 sick pens drafting and vet yards internal access road, sediment pond, and effluent dam and office and landscaping area.	Booroola Pastoral Company	\$ -	TBA	CHRC approval current until 10 May, 2020.
Feedlot (3,000 standard cattle units)	Duaranga	Approved feedlot expansion from 999 SCU to 3,000 SCU.	RTS Cattle Company Ptd Ltd	\$ -	TBA	CHRC approval current until 9 March, 2020.
CQ Inland Port	Emerald (Yamala)	Industrial development of 46 lots (Stage 2).	CQ Inland Port	\$ -	TBA	CHRC application approved 22 May 2013 and change application approved on 24 February 2017. Lots currently for sale.
The Yamala Rail Siding Project	Emerald (Yamala)	Construction of rail siding (Stage 1).	GrainCorp	\$5,200,000	2017-2018	CHRC application approved 20 December, 2016.
The Yamala Rail Siding Project	Emerald (Yamala)	Construction of new Industrial Access road, upgrade of Bonnie Doon Road and upgrade of intersection of Capricorn Hwy.	CQIP, GrainCorp & CHRC	\$4,200,000	2017-2018	CHRC approval current until 12 August, 2019. Negotiated Decision Notice application approved 9 September 2015.
Macauley Road Industry lots	Emerald	43 Industrial Lots.	Shelda Pty Ltd	\$ -	TBA	Not yet started.
Wills Road Industry lots	Emerald	22 Industrial Lots.	Covepoint Pty Ltd	\$ -	TBA	Application currently before CHRC.
COMPLETED						
Maraboon Pet Resort	Emerald	Maraboon Pet Resort is a veterinary super clinic with boarding kennels, indoor/outdoor play runs and large yards.	Maraboon Vet Surgery	\$ -	2016-2017	Completed.
Sub-total Industrial Construction Investment:				\$9,400,000		

RESIDENTIAL CONSTRUCTION

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Gray Street	Emerald	Proposed development with reconfiguration to 25 lots.	Shelda Pty Ltd	\$ -	TBA	CHRC application approved on 8 February, 2012 and extension application approved (on 20 April, 2016) until 8 February, 2018.
Highfields Estate (Pilot Farm Road)	Emerald	Proposed development of 1000 lot residential subdivision.	Citicorp	\$ -	Subject to demand.	CHRC approval current until 12 December, 2021.
IN PROGRESS						
Blue Ridge	Blackwater	10 stage development for over 200 blocks.	Qld Govt.	\$ -	Subject to demand.	Complete to stage 10 with 96 allotments available.
Highland Park Estate (Codewarra Road)	Emerald	15.62ha site, adjoining a major sub-regional shopping centre. Development includes motel, tavern, 184 allotments, 148 townhouses and a central one-acre park.	Godwin Investment Trust	\$ -	Subject to demand.	Application to extend existing CHRC approval lodged on 5 December, 2017.
Maranda Heights	Emerald	Extension of residential development on Pilot Farm Road.	Portfolio Projects Pty Ltd	\$ -	Subject to demand.	Stages 7 of 12 have been completed.
Mayfair Ridge	Emerald	The estate of over 500 residential allotments for dwellings.	Pratt Property	\$ -	Subject to demand.	Stages 1 - 7 and 10 sold. Stages 8 and 11 now selling and construction underway. Stages 9 and 12 not yet released.
Villas on Rivergum	Emerald	115 unit development on Rivergum Drive, Riverview Estate.	GBK Developers & Devcon Building Co.	\$37,950,000	Subject to demand.	Stage 1 sold out. Stage 2 on hold and subject to demand.
COMPLETED						
Echidna Valley	Emerald	New residential subdivision. 100 lot residential project (1-7acre lots), off Pilot Farm Road.	TMD Trading - Developer: Regional Property Development Corp. Pty Ltd	\$ -	Subject to demand.	Stages 2B, 2C and 2D completed and currently selling.
Sub-total Residential Construction Investment:				\$37,950,000		

WORKFORCE ACCOMMODATION CONSTRUCTION

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Stayover on Capricorn	Blackwater	383 rooms and ancillary communal facilities included.	Ausco Modular Pty Ltd	\$ -	Subject to demand.	EDQ Approval current to 12 September, 2018.
Duckworth Village, Capricorn Highway	Bluff	Accommodation village that will complement existing Bluff Village. 504 Units (96 temporary for construction).	Minumbra	\$ -	TBA	Approved change of use January 2016.
Jellinbah Mining Village	Bluff	Stage 2: additional 306 rooms.	Jellinbah Group	\$ -	Subject to demand.	CHRC approval current until 31 October, 2020.
Orica Workers Accommodation Facility	Dingo	Worker's accommodation facility (80 units).	Orica Australia Pty Ltd	\$ -	TBA	CHRC approval extended until 2020.
COMPLETED						
Jellinbah Mining Village	Bluff	Stage 1.	Jellinbah Group	\$ -	2017	Completed.
Rosewood Camp	Blackwater	Stage 1 - 684 rooms including ancillary facilities.	Qantac Pty Ltd	\$ -	2017	Completed.
Sub-total Workforce Accommodation Construction Investment:				\$0		

RAIL (Projects of significance located outside the Central Highlands Region)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Tarobo	Alpha	Integrated, heavy-haul rail system that will run from the Galilee Basin before linking with existing lines taking coal to the Port of Abbot Point, Hay Point or Dalrymple Bay ports. Employment: 2500 (con); 800 (op).	JV: GVK & Aurizon Holdings Limited	\$2,000,000,000	TBA	Project assessment to continue through the Galilee Basin State Development Area (GBSDA).
IN PROGRESS						
North Galilee Basin Rail Project	Alpha to Abbot Point	310km standard gauge, multi-user greenfield rail line in CQ, connecting the northern Galilee Basin to the Port of Abbot Point. Employment: 2000 (con); 370 (op).	Adani Mining Pty Ltd	\$2,200,000,000	2017-2018	Early contractor involvement for main design works.
Sub-total Rail Investment (outside CH):				\$4,200,000,000		

ROAD

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
2017 NDRRA Restoration	Region wide	Restoration of flood damaged roads.	CHRC, Qld & Federal Govt.	\$50,000,000	2017-2019	Not yet started.
CHRC Bikeways	Emerald	Upgrade of shared pathways.	TMR & CHRC	\$1,800,000	2017-2018	Not yet started.
IN PROGRESS						
Gregory Highway (Emerald - Clermont)	Emerald	Undertake miscellaneous works.	TMR	\$21,900,000	2015-2019	In progress. CHRC completed intersection works Gregory Retro-Corry and have just commenced Gregory Cotherstone intersection. Other works by TMR/Roadtek.
Carnarvon Gorge Road	Rolleston	Pave and seal.	CHRC, Qld & Federal Govt.	\$8,500,000	2015-2018	95% complete.
COMPLETED						
Blackwater - Rolleston Road	Blackwater / Rolleston	Construct and seal standard.	CHRC, TMR & Qld Govt.	\$4,400,000	2015-2017	Completed.
Wyuna Road	Emerald	Wyuna Road.	State Govt. & CHRC	\$800,000	2015-2017	Completed.
Emerald Airport - Gregory Highway Intersection Upgrade	Emerald	Widening the Gregory Hwy, new north-bound turning lane, extension of south-bound turning lane, line marking and signage.	CHRC	\$1,300,000	2016-2017	Completed.
Sub-total Road Investment:				\$88,700,000		

FLOOD RESTORATION/MITIGATION

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Nogoa River Excavation Works	Emerald	Area 1.	CHRC	\$ -	2016-2017	Not yet started.
Nogoa River Excavation Works	Emerald	Area 4 and 9.	CHRC	\$ -	2016-2017	Not yet started.
Nogoa River Excavation Works	Emerald	Area 5 and 8.	CHRC	\$ -	2016-2017	Not yet started.
COMPLETED						
Nogoa River Excavation Works	Emerald	Packages (2): Area 2 and 3 and Area 10 and 11.	CHRC	\$1,500,000	2016-2017	Completed.
New Street Evacuation Route	Emerald	Earth and roadworks. Water and sewerage works.	CHRC	\$2,100,000	2016-2017	Completed.
Sub-total Flood Restoration Investment:				\$3,600,000		

TOURISM

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Sullivan Street Motel	Emerald	102 accommodation units with restaurant and managers residence.	Devcon Property Group	\$ -	TBA	CHRC approval current until 27 August, 2018.
COMPLETED						
Interpretive Trail	Sapphire Gemfields	Multi-location, augmented reality interpretive trail spanning the Gemfields region. The project was co-funded by CHRC and State Govt.	CHRC & State Govt.	\$590,000	2016-2017	Completed.
Sub-total Tourism Investment:				\$590,000		

MINING

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Belview Project	Blackwater	New underground coal project – single longwall operation. Metallurgical Coal and PCI Coal. 6Mtpa ROM. Employment: 500 (con) 300 (op).	Stanmore Coal	\$869,000,000	2022 -2023	Pre-Feasibility Study review work will be undertaken in 2018.
Curragh (Curragh West)	Blackwater	Open-cut expansion on hold. New capacity up to 0.3Mt coking. Employment: 50 (con) 100 (op).	Wesfarmers Pty Ltd	\$ -	TBA	On hold to align with Curragh Extension project. ML80171 granted 15 July, 2015.
Curragh Extension Project	Blackwater	Extend mine life to approx. 2038. Development of 67Mt of Coal Reserves. Four mining lease areas; South (ML700006), Central (ML700007), Central Extended (ML700008) and Curragh Extended (ML700009). Maintain current production of 13.5Mtpa. Employment: 100 (op).	Wesfarmers Pty Ltd	\$ -	2024	Curragh Central Extended (ML700008) and Curragh Extended (ML700009), approved 27 November, 2015.
Jellinbah Mine (Mackenzie North)	Blackwater	Extension of mining operations at an unchanged production rate. Operating in excess of 4.6Mtpa in line with market demand. Employment: 100 (con).	Jellinbah Group (Marubeni, Anglo)	\$100,000,000	2020	Mining lease extensions granted on 21 July, 2017 for Mackenzie North A ML70445, D ML70446, B ML70448, C ML70449.
Mackenzie Project	Blackwater	New underground project. Thermal, PCI and semi-soft coking coal. JORC Resource - 65.1Mt Indicated and 73.0Mt Inferred.	Moreton Resources Ltd	\$860,000,000	TBA	MDL503 granted for a five year term until October 2019. Drilling campaign finalised.
Minyango Underground	Blackwater	New multi-seam underground coal project and associated infrastructure. Capacity total up to 7 Mtpa coking and thermal coal. Employment: 500 (con); 500 (op).	Bounty Mining Ltd	\$750,000,000	2020	ML80173 granted 1 December, 2015. MDL 375, MDLAs 424 and 465.
Washpool Coal Project	Blackwater	New open cut project. Capacity total 3.3Mtpa hard coking coal to be exported through WICET. Employment: 310 (con); 370 (op).	Washpool Coal Pty Ltd (Aquila Resources)	\$380,000,000	2021	Previous MLAs (80164, 80176 and 80177) have all been withdrawn. Project now covered by MDL3015 and MDL3016.
Bluff (OC)	Bluff	New project. Up to 1.4Mtpa (ROM) PCI. 10-15 year mine life. ML80194. Employment: 100 (con); 118 (op).	Carabella Resources (Wealth Resources Pty Ltd)	\$100,000,000	2017	ML 80194 was granted on 22 September, 2016. EA approved. EPBC (Commonwealth) approved.

MINING (continued)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
Walton	Bluff	The open-cut project area contains a JORC Resource of 28.4Mt (June 2015).	Argos (QLD) Pty Ltd & Walton Coal Pty Ltd (100% owned by Aquila Resources Ltd)	\$ -	TBA	The Project is situated in MDL505. Granted 17 April, 2014.
Wilton Coal Project	Emerald	New open-cut project, up to 2Mtpa ROM hard coking coal. 38km north east of Emerald. Employment: 200 (con).	Wilton Coking Coal Pty Ltd (QCIH.)	\$ -	2018	MLA 70464 AND MLA70465, EPC1235 and MDL463. As at 11 August, 2015, the EIS has been withdrawn by the proponent.
Comet Ridge Project	Comet	New project. 10Mt ROM. Operational mine life of 9 years. Employment: 20 (con); 50 (op).	Acacia Coal Ltd	\$50,000,000	2018	MLA700005 lodged on 27 March, 2015. EPBC referral lodged on 19 June, 2015. Additional information provided to Department EHP - October 2015.
Sierra Project	Comet	New open cut project, hard coking coal.	TerraCom Limited	\$ -	TBA	Next stage exploration plan developed. No JORC resource has been estimated. EPC1822.
Yamala	Comet	New open cut and underground project located 6km to the west of Comet. PCI/Thermal coal.	JV: New Hope Corp Ltd & CHR Emerald Pty Ltd (subsidiary of Sojitz Coal)	\$ -	TBA	EPC927 and EPL1169. MDL3007 lodged, public notice period ended 11 November, 2015.
Dingo West	Dingo	Proposed production of up to 1.5Mtpa ROM coal. Employment: 220 (con), 120 (op).	Magnetic South Pty Ltd	\$135,000,000	Subject to market conditions.	Environmental background studies underway, FS currently being completed as a result of recent drilling program. EPC 881. MLA80180 lodged.
Fairhill	Emerald	New project, approx. 50km north-east of Emerald. JORC Inferred 337Mt. Up to 2Mtpa ROM. Hard coking / thermal coal. Employment: 200 (con).	Fairhill Coking Coal Pty Ltd (QCIH.)	\$ -	2018	EPC2177. MLA70496. MDL496.
Taraborah	Emerald	New open cut and underground project, 22km west of Emerald. Expected capacity total is 5Mtpa thermal. Employment: 150 (con); 350 (op).	Shenhua International Group	\$680,000,000	2020 OC 2027 UG	MDL467. Federal EPBC approval 17 June, 2015. Expected that Mining Lease will be granted in 2017.
Teresa Project	Emerald	New underground project, 17km north of Emerald. Up to 8Mtpa of ROM coal. Employment: 500 (con); 380 (op).	United QLD Resources Pty Ltd (United Mining Group)	\$500,000,000	2019	FS and EIS in progress. MLA 70405 lodged on 24 November, 2008 and MLA 70442 lodged 1 February, 2011.
Togara West Project	Emerald	The Togara West Project has JORC Resource of 758.06Mt. Thermal and metallurgical coal. Located 40km SE of Emerald. Employment: 1000 (con) 450 (op).	Vitrinite Pty Ltd	\$ -	TBA	EPC 1231 and EPC 1858.
Arcadia	Rolleston	New project, thermal coal. JORC compliant resource is 273Mt on an Inferred basis.	Adamelia Resources Pty Ltd	\$ -	TBA	EPC1742. Project at exploration planning stage.

MINING (continued)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Rolleston Coal Expansion (Phase 2)	Rolleston	Open cut expansion to extend mine life by approx. 30 years. New capacity total is up to 19Mtpa ROM - thermal coal.	Rolleston JV: Glencore Coal Qld Pty Ltd (75%), ICRA Rolleston Pty Ltd (12.5%) & Sumisho Coal Aust. Pty Ltd (12.5%)	\$500,000,000	2017	Environmental Authority issued 8 October, 2015. ML70415, ML70418 and ML70458 granted 2 February, 2016, ML70416 granted 17 February, 2016.
Arcturus Coal Mine Project	Springsure	New project. Given SCL and the RPI legislation the project will now only be Underground. Thermal coal.	Adamelia Resources Pty Ltd	\$ -	TBA	EPC1221 Exploration planning. MLA 70486.
Springsure Creek Underground	Springsure	New project. 11Mtpa thermal coal at peak production (2 longwall). Estimated 40 year mine life. Employment: 350 (con); 600 (op).	Adamelia Resources Pty Ltd	\$1,180,000,000	Subject to market conditions.	MLA70486, 70501, 70502. EIS and FS completed.
Togara North	Springsure	New underground project. Expected capacity total 6Mtpa - thermal coal. Employment: 1000 (con); 450 (op).	Glencore Coal	\$800,000,000	2017	Pre-FS underway. ML70149; ML70162.
Oaky Creek (Phase 2)	Tieri	Expansion. New capacity total 5Mt coking coal. Expansion includes a new long-wall mining system, expansion of the coal preparation plant.	Glencore Coal Ltd, Sumisho, Itochu & ICRA OC	\$650,000,000	2018	Environmental Authority (EPML00942413) issued 5 February, 2016. ML1832, ML2004, ML70241, ML70327, ML70424.
IN PROGRESS						
Meteor Downs South Project (Orion Downs)	Rolleston	New open cut project. Projected production rate of up to 1.5Mt per annum of export grade thermal coal. Employment: 40 (con) 50 (op).	Sojitz Coal & U & D Mining Pty Ltd	\$46,000,000	2017-2018	EPC1517. MLA70452. Earthworks started 13 November, 2017 to build access road. First coal Q1 2018.
Sub-total Mining Investment:				\$7,600,000,000		

MINING (Projects of significance located outside the Central Highlands Region)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Alpha Coal Project (Tad's Corner)	Alpha	New open cut project with capacity total 32Mtpa - thermal coal. Project includes mine, rail, port. Project life of 30 years. Employment: 4800 (peak con); 1970 (peak op).	GVK (79%) & Hancock Coal Ltd (21%)	\$10,600,000,000	2021	The Queensland Court of Appeal has dismissed an appeal from an environmental group to stop GVK and Hancock Coal's proposed Alpha coal mine in the Galilee Basin - 27 September, 2016.
Alpha North Coal Project	Alpha	New project - two open-cut operations, four underground longwall mining operations and coal handling preparation plants plus rail. Capacity total 40Mtpa thermal coal. Employment: 3500 (con); 2460 (op).	Waratah Coal Pty Ltd	\$8,800,000,000	2030	Currently undergoing an EIS. Project on hold. EPC1079, 1080 and EPC1156. MLA70489 and MLA70454 approved 5 June, 2015. MDL481 and MDL 485.
Alpha West Project	Alpha	New underground project currently under exploration. 16-24Mtpa thermal.	GVK (79%) & Hancock Prospecting (21%)	\$ -	TBA	Pre-FS drilling commenced. Concept stage complete. On hold. MDL285.

MINING (Projects of significance located outside the Central Highlands Region)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Carmichael Coal	Alpha	New open-cut and underground project - Australia's largest thermal coal mine in the north Galilee Basin. Up to 60Mtpa thermal by 2022. Mine life expected to be 60 years. Employment: 1100 (con); 3000 (op).	Adani Mining Ltd	\$16,500,000,000	2017	Adani has now obtained all the necessary primary approvals for its mine, rail and port project, plus Native Title approval.
China Stone Coal Project	Alpha	New open-cut and underground project. 38Mtpa thermal. Project includes - airstrip, power station and accommodation village. Employment: 3900 peak (con); 3400 peak (op).	MacMines Austasia Pty Ltd	\$6,700,000,000	2019 OC 2020 UG	EIS process underway - additional information requested by Coordinator General 6 November, 2015 and currently being prepared by proponent EPC987.
Kevin's Corner	Alpha	New open-cut and underground project. Up to 30Mtpa thermal coal. Employment. 2000 (peak con); 1600 (op).	GVK Resources & Hancock Galilee Pty Ltd	\$6,000,000,000	2024	MLA70425 in process. EIS and EPBC approved, Native title negotiated.
South Galilee Coal Project	Alpha	New open-cut and underground project with 33 year period of operation. 15Mta - thermal. Includes CHPP, rail loop, load out facilities and accommodation village. Employment: 1600 (con); 1290 (op).	Alpha Coal Management Pty Ltd	\$4,200,000,000	2023	EA approval July 2015. Project dependent on a range of infrastructure and services being developed in conjunction with other Galilee Basin coal developments.
Baralaba Complex (North, Central and South)	Baralaba	Open cut coal mine with the potential to produce in the order of up to 4.1Mtpa of product coal. Employment: 200 (con); 150 (op).	Baralaba Coal Company Limited	\$300,000,000	2019	23 June, 2016 - Mining Lease (ML) 80201 for Baralaba North mine has been granted by the QLD Government.
Moorlands	Clermont	New open cut project - thermal coal. JORC Resource of 318.0Mt, including 113.4Mt in the Measured category. Targeting a ROM production rate of 1.9Mtpa. Employment: 350 (con); 160 (op).	Cuesta Coal (Beijing Guoli and Hanford Holdings)	\$150,000,000	2018	Moorlands North (MLA 70524), Moorlands East (MLA 70525), Moorlands Central (MLA 70526), Moorlands South (MLA 70527) and EA lodged 5/9/2014. EPBC assessment underway.
Dysart East Coal Project	Dysart	New open-cut project, using trenching and high wall mining techniques. 1.7Mtpa coking and thermal coal. Employment: 200 (op); 200 (con).	Dysart Coal Management (Bengal Coal Pty Ltd)	\$200,000,000	2018	MLA submitted and accepted- ML70507. MDL450. Draft EA issued by DEHP.
New Lenton	Glenden	New project. Open cut and underground operations possible. Coking/PCI/thermal coal. Employment: 250 (con); 300 (op).	New Hope Corp Ltd	\$400,000,000	2019	ML70337 secured for the project and company exploring option of expansion through MLA70456.
Eagle Downs (Peak Downs East)	Moranbah	New Underground project, 25km SE of Moranbah. JORC 959Mt - Measured (648Mt), Indicated (171Mt) and Inferred (140Mt).4.5Mtpa. Employment: 400 approx.	Aquila Resources 50% & Vale Australia 50%	\$1,720,000,000	2017	MDL519 granted 22 July, 2014. Project on care and maintenance.
Isaac Plains (UG)	Moranbah	Employment: 40 (con); 160 (op).	Stanmore Coal	\$100,000,000	H2 2018	Extension Prefeasibility study and exploration underway. ML granted 1 December, 2005. MLA 700018 and 7000019 lodged 25 October, 2016 Mining Lease application approved.

MINING (Projects of significance located outside the Central Highlands Region)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Isaac Plains East (OC)	Moranbah	10km east of Moranbah. Shallow, coking coal deposit. Employment: 25 (con); 130 (op).	Stanmore Coal	\$40,000,000	2018	Extension - EA amendments underway. MLA lodged 25 October, 2016 for MLA700016, 700001. MDL135 and part of MDL137.
Karin Basin (OC and UG)	Moranbah	New Project. 2Mtpa. Employment:130 (con); 150-200 op).	Vitrinite Pty Ltd	\$250,000,000	2020	EPC 1241 Coking coal.
Olive Downs South Wilunga (OC)	Moranbah	New project. 14Mtpa product. Employment: 600 (con); 960 (op).	Pambroke Resources South Pty Ltd	\$1,000,000,000	2020	Under assessment, MDL3012-14 & 3025. Declared as a Coordinated Project by Coordinator General 17 February, 2017. Terms of Reference for EIS issued 28 June, 2017.
Belvedere	Moura	New project - planned to be developed as an underground longwall operation 1 to 2 Mta.	Vale Australia	\$2,814,000,000	TBA	FS stage, on hold.
IN PROGRESS						
Blair Athol Mine	Clermont	Reopen closed mine. Up to 21.9 Mtpa ROM thermal coal with potential to expand output. Million tonne p.a. Employment: 150 (op).	TerraCom	\$23,000,000	2017	Acquisition of coal mine complete and production has now commenced as of August, 2017.
Middlemount (Open cut)	Dysart	Expansion of existing mine. Production is expected to ramp up to approx. 3.9Mtpa of saleable production.	Yancoal Aus. Pty Ltd & Peabody Energy Ltd	\$500,000,000	TBA	Expansion under construction.
Byerwen Coal Project	Glenden	Open cut & underground coal mine, up to 10Mtpa hard coking coal. 10Mtpa. Employment: 350 (con); 550 (op).	Byerwen Coal Pty Ltd (JV: QCoal Pty Ltd & JFE Steel)	\$1,590,000,000	2017	MLA 10355,10356,10357, 70434, 70435 and 70436. Stage 1 construction underway.
Foxleigh Plains Project	Middlemount	Extension to existing open cut coal mine. Increase life of mine up to 15 years and ROM production to 4Mtpa. Employment: 50 (op).	JV: Middlemount South. POSCO, & Nippon Steel	\$180,000,000	TBA	EIS completed July 2013. Mining leases granted September 2014.
Sub-total Mining Investment (outside CH):				\$62,067,000,000		

ENERGY

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Blackwater Solar Farm	Comet	558ha, 175MW, Renewable Energy Facility (Solar Farm).	Blackwater Solar Farm Pty Ltd C/- NGH Environmental	\$ -	TBA	CHRC approval on 26 May, 2017.
Bluff Solar Farm	Bluff	Stage 1 - 180ha, Stage 2 - 152ha, 250MW, Renewable Energy Facility (Solar Farm).	Bluff Solar Farm Pty Ltd C/- Environmental Resources Management Australia Pty Ltd	\$ -	TBA	CHRC decided 9 November, 2017.
Bowen Gas Project (includes Blackwater and Norwich Park CSG fields)	Blackwater	A phased expansion of Arrow's CSG production in the Bowen Basin. Employment: 1540 (con) 610 (op).	Arrow Energy Ltd	\$500,000,000	TBA	Announced a decision to proceed with front-end engineering design (FEED) phase for the project. ATP1025.
Comet Solar Farm Pty Ltd	Comet	285MW, Renewable Energy Facility (Solar Farm).	Comet Solar Farm Pty Ltd C/- RPS Australia East Pty Ltd	\$ -	TBA	CHRC decided 16 November, 2017. Relevant period to expire on 16 November, 2021.
Emerald Solar Farm	Emerald	245ha, 110MW, Renewable Energy Facility (Solar Farm).	Emerald Solar Farm Pty Ltd C/- RES Australia	\$ -	November 2017	CHRC approval on 26 April, 2017.
ESCO Pacific	Dingo	215hMW, 872 ha., Renewable Energy Facility (Solar Farm).	ESCO Pacific C/- RPS Australia East Pty Ltd	\$ -	TBA	CHRC awaiting response to information request (IR).
Lilyvale Solar Farm Project 1	Tieri	FRV, a global solar power company, plans to develop a large scale grid-connected photovoltaic (PV) solar plant on 387.56ha. Employment: 200 (con).	FRV Australia	\$400,000,000	2017-2018	CHRC approval as at September, 2015. Construction could commence in Q3 2017 and would take between 12 to 18 months.
Lilyvale Solar Farm Project 2	Tieri	229ha, 100MW, Renewable Energy Facility (Solar Farm). Employment: 200-250 (con).	FRV Australia	\$ -	2017	CHRC approval on 23 March, 2017.
Renewable Energy Developments	Tieri	872ha. 215MW Long Term Lease - 1 Lot into 2 Lots.	Renewable Energy Developments C/- NGH Environmental	\$ -	TBA	Currently in CHRC's Decision Period.
Res Australia Solar Farm	Emerald	167.7ha, 80MW, Renewable Energy Facility (Solar Farm).	Res Australia Pty Ltd C/- Icubed Consulting	\$ -	2017-2018	CHRC approval on 19 May, 2017. Construction to start Q4 in 2017 and take approx. 12 months.
Sub-total Energy Investment:				\$900,000,000		

ENERGY (Projects of significance located outside the Central Highlands Region)

PROJECT	LOCATION	DETAILS	PROPONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Galilee IGCC Power Station	Alpha	New project: 900MW coal-fired power station incorporating clean-coal low-emission technology, carbon capture and storage. Employment: 1000 (con); 60 (op).	Galilee Power (a subsidiary of Waratah Coal Pty Ltd)	\$1,250,000,000	2025	Project on hold. "Coordinated project" declaration lapsed.
Bowen Basin Gas Pipeline	Moranbah	200km gas pipeline to link Bowen Basin with Gladstone, to link up with an existing 100km pipeline.	JV: Blue Energy & APA Group	\$500,000,000	TBC	Initial MOU signed between APA Group and Blue Energy.
Bowen Pipeline	Moranbah/Gladstone	Proposed buried high-pressure steel pipeline from the Bowen Basin to a gas hub 22km west of Gladstone, where it will join the proposed Surat Pipeline. Employment: 700 (con); 10 (op).	Arrow Energy Ltd	\$1,000,000,000	2018	EA approved in November 2016, and PPL (petroleum pipeline licence) issued in April 2017.
Sub-total Energy Investment (outside CH):				\$2,750,000,000		

WATER AND SEWERAGE

PROJECT	LOCATION	DETAILS	PROONENT	COST (est.)	TIMING	STATUS
NOT STARTED						
Water Utilities	Blackwater	Sewerage effluent irrigation extension.	CHRC	\$2,300,000	2017-2018	Not yet started.
IN PROGRESS						
Blackwater Effluent Irrigation	Blackwater	Stage 1 & 2.	CHRC	\$ -	2017-2018	In progress.
Sewerage Major Capital Works	Emerald	Upgrade to Blackgully sewerage water treatment plant.	CHRC	\$22,000,000	2016-2018	In progress.
Sewerage Major Capital Works	Emerald	Design and construct new inlet works and chlorine contact tank at Park Ave STP.	CHRC	\$1,400,000	2015-2017	In progress.
Park Avenue Sewage Treatment Plant	Emerald	Construction of a new disinfection system.	CHRC	\$2,992,800	2017-2018	In progress. 16/17 budget \$1,792,728 and 17-18 budget \$ 1,200,000.
Fairbairn Dam Safety Improvement Project	Emerald	Improvement to Fairbain Dam wall safety (Stage 1 complete, stage 2 in progress).	SunWater	\$95,000,000	2016-2017	In progress.
COMPLETED						
Water Utilities	Blackwater	Water treatment plant upgrade.	CHRC	\$2,500,000	2014-2017	Completed.
Sub-total Water and Sewerage Investment:				\$126,192,800		



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