



Government of Western Australia  
Mid West Development Commission



# MID WEST MAJOR PROJECTS SUMMARY

DECEMBER 2012



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# Mid West Major Projects Summary

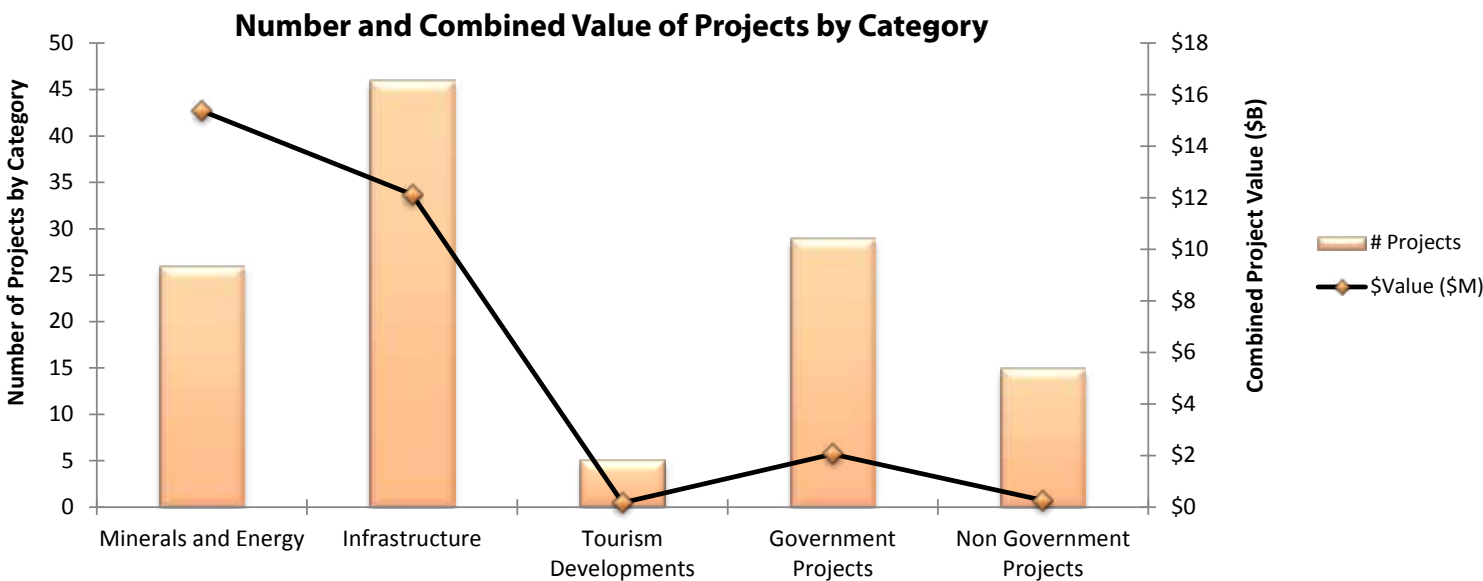
DECEMBER 2012

The **Mid West Major Projects Summary** is published periodically by the Mid West Development Commission to provide an indication of the level of development activity in the Mid West Region.

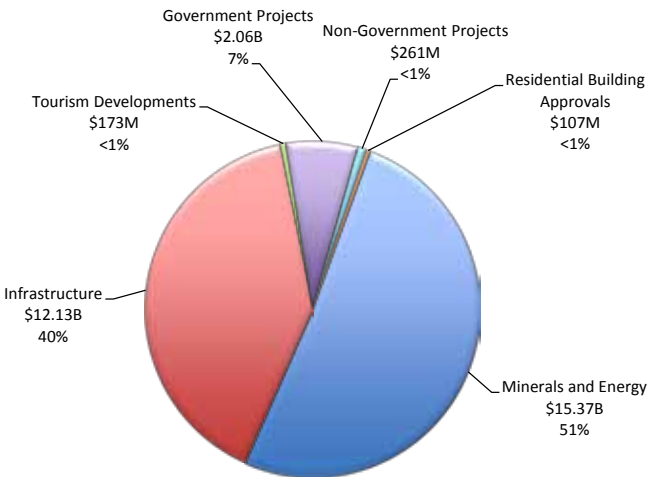
This edition of the Mid West Major Projects Summary contains information on around 120 projects with a combined construction value of more than \$30 Billion (NB this includes Mid West residential building approvals for 2011/12 valued at \$107 Million (source: ABS)). The number and value of projects by category is illustrated in the graphs below.

The information contained in this publication is indicative only. It is collected through the course of usual Commission activities, including liaison with project proponents. For more detailed project information please contact project proponents directly.

If you are aware of a project that should be included in the next edition of the Mid West Major Project Summary, please contact the Commission on (08) 9921 0702 or [info@mwdc.wa.gov.au](mailto:info@mwdc.wa.gov.au).



## Approximate Value of Projects by Category



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# Minerals and Energy

## Copper / Gold

### Mutiny Gold - Guewlla - Deflector deposit

**Resource:** Copper / Gold

**Cost:** \$91M

**Status:** Bankable Feasibility Study completed, with further analysis underway to lift mining production. The first two years of operations will be open cut with the following five years underground. Project has received environmental approvals and a groundwater operating licence. Long lead items are being ordered including a 1300 kw ball mill ordered in September 2012.

**Location:** Mullewa, 60km E

**Jobs – construction:** Not stated

**Jobs – operations:** Not stated

**Projected Annual Output:** Forecast total production = 480,000 oz gold equivalent (consisting of 397,000 oz of gold; 18,147 t of copper in concentrate; and 395,864 oz of silver)

**Projected Resource Life:** 7.5yrs

**Construction Start:** H2 2012

**Production Start:** Q4 2013

[www.mutinygold.com.au](http://www.mutinygold.com.au)

### Sandfire Resources - DeGrussa

**Resource:** Copper / Gold

**Cost:** \$384M

**Status:** Mining commenced in the open pit in February with Sandfire shipping its first 6,500 t of copper during the June quarter. The company moved into the key commissioning and production ramp-up phase of its 1.5 Mtpa concentrator. Overall project now 95% complete and on target to achieve its first concentrate shipment in Q4 2012 and to reach the annualised production rate of 77,000 tpa in Q1 2013.

**Location:** Meekatharra, 150km N

**Jobs – construction:** 650

**Jobs – operations:** 400

**Projected Annual Output:** Processing capacity of 1.5 Mt ore throughput, 3 years at 300,000 tpa, then 4 years at 220,000 tpa of concentrate grading 27% Cu. Life-of-mine operating costs \$1.02/lb (C1 cash costs).

**Projected Resource Life:** 7yrs

**Construction Start:** Q2 2011

**Production Start:** Concentrate: Q1 2013

[www.sandfire.com.au](http://www.sandfire.com.au)



### MMG - Golden Grove's Gossan Hill expansion

**Resource:** Copper concentrate

**Cost:** \$22M

**Status:** Golden Grove comprises the Scuddles and Gossan Hill underground mines and surface processing operations. This expansion consists of a new Copper Open Pit being developed over the existing underground workings at the Gossan Hill underground mine. Construction now complete and project is in production phase.

**Location:** Yalgoo, 100km SE

**Jobs – construction:** Approx 60 across construction and operations

**Jobs – operations:** Approx 60 across construction and operations

**Projected Annual Output:** Approx 100,000 tpa+ copper concentrate

**Projected Resource Life:** 3yrs

**Construction Start:** Q1 2012

**Production Start:** Q4 2012

[www.mmq.com](http://www.mmq.com)

### Doray Minerals - Andy Well

**Resource:** Gold

**Cost:** \$55M

**Status:** Village construction (in Meekatharra townsite) ~75% complete. Open pit mining to commence Q4 2012, with underground mining to commence Q1 2013. Plant construction to commence Q4 2012, with plant commissioning and commercial production expected Q3 2013.

**Location:** Meekatharra, 45km N

**Jobs – construction:** 85

**Jobs – operations:** 90

**Projected Annual Output:** 70,000 oz

**Projected Resource Life:** 3.7 years

**Construction Start:** Q4 2012

**Production Start:** Q3 2013

[www.dorayminerals.com.au](http://www.dorayminerals.com.au)

### Kentor Gold - Murchison

**Resource:** Gold

**Cost:** \$7M

**Status:** The Murchison project comprises the Burnakura gold and Gabanintha gold-copper sites. Commenced carbon in leach (CIL) gold production in July 2012. A heap leach scoping study was released October 2012 to increase production and reduce costs. Underground mining of high grade ore due to commence November 2012. Heap leach feasibility study underway.

**Location:** Meekatharra, 50km S

**Jobs – construction:** 10

**Jobs – operations:** 125 additional operators

**Projected Annual Output:** CIL 24-30,000 oz. Heap leach 8-12,000 oz

**Projected Resource Life:** 4yrs for heap leach

**Construction Start:** Q2 2013

**Production Start:** Q4 2013

[www.kentorgold.com.au](http://www.kentorgold.com.au)



## Mount Magnet South - Kirkalocka

**Resource:** Gold

**Cost:** \$29M

**Status:** Agreement signed with a global firm to finance the project. The site has infrastructure in place including a plant, power and water supply, 1.8km airstrip and a 130 person camp. It has been on care and maintenance since 2008; with a 10-12 week process required to reach full processing capacity. The Company expects that all licences and permits for the proposed expansion will be in place by the end of 2012. Aiming for first production in H1 2013.

**Location:** Mount Magnet, 70km S

**Jobs – construction:** Not stated

**Jobs – operations:** Not stated

**Projected Annual Output:** 50,000 oz

**Projected Resource Life:** 5yrs

**Construction Start:** Q2 2011

**Production Start:** H1 2013

[www.mountmagnet.com.au](http://www.mountmagnet.com.au)

## Ramelius Resources - Mount Magnet

**Resource:** Gold

**Cost:** \$40M

**Status:** Open pit mining in progress from the Galaxy deposits surrounding the historic Hill 50 underground gold mine. Commenced gold production in March 2012 from the newly refurbished Checkers mill. Ramping up production during 2012 to projected annual output rate.

**Location:** Mount Magnet, 4km W

**Jobs – construction:** Complete

**Jobs – operations:** 180

**Projected Annual Output:** 80-100,000 oz

**Projected Resource Life:** 5-7yrs with current exploration and resource drilling likely to add to resources.

**Construction Start:** Complete

**Production Start:** Q1 2012

[www.rameliusresources.com.au](http://www.rameliusresources.com.au)

## Reed Resources subsidiary GMK Exploration Pty Ltd - Meekatharra Gold

**Resource:** Gold

**Cost:** \$35.5M

**Status:** Secured \$23M debt financing to bring Meekatharra Gold into production. Mining approvals are expected by the end of October and mining is scheduled to start in October.

**Location:** Meekatharra

**Jobs – construction:** 50

**Jobs – operations:** 180

**Projected Annual Output:** Stage 1 - 95,000 oz+

**Projected Resource Life:** Stage 1 – 21 months

**Construction Start:** No construction required as this is a refurbish and restart project.

**Production Start:** Q4 2012

[www.reedresources.com](http://www.reedresources.com)

## Silver Lake Resources - Murchison

**Resource:** Gold

**Cost:** \$65M

**Status:** Silver Lake has multiple gold projects feeding a central processing facility and also has highly prospective base metal tenements. The project is progressing to plan with first gold production on track to commence in the March 2013 quarter ramping up to 100,000 ounces per annum in 2014.

**Location:** Cue, 20-30km SE

**Jobs – construction:** 250

**Jobs – operations:** 180

**Projected Annual Output:** 100,000 oz

**Projected Resource Life:** 8-10yrs

**Construction Start:** Q1 2012

**Production Start:** Q1 2013

[www.silverlakeresources.com.au](http://www.silverlakeresources.com.au)



## Hematite / Magnetite

### Golden West Resources - Wiluna West

**Resource:** Hematite

**Cost:** Stage 1 = \$15M; Stage 2 = \$15M; Stage 3 TBC

**Status:** This is a three stage project.

1. Stage one has received approval to mine and export 1 Mtpa of direct shipping ore through Esperance for 2-3yrs. A crushing and screening process will need to be finalised and a water extraction licence will need to be obtained before Stage 1 commences.
2. Stage two is to increase to 2-3 Mtpa once Esperance port upgrades are completed in 2015. A native title agreement has been finalised, a mining approval for stage one mining and a mining proposal submission is underway, targeting April 2014 for approval.
3. Stage 3 would enable output to increase to 10 Mtpa, with the Detailed Feasibility Study for the 10 Mtpa project due for completion in December 2013. Production of 2-3 Mtpa is planned for 2015, with 7-10 Mtpa planned for 2017. Stages two and three will be dependent on rail and port enhancements either at Esperance or Oakajee.

**Location:** Wiluna, 34km W

**Jobs – construction:** Not stated

**Jobs – operations:** Not stated

**Projected Annual Output:** 1 Mt (Stage 1) increasing to 3 Mt (Stage 2) and 10 Mt (Stage 3) direct shipping ore

**Projected Resource Life:** Minimum 15yrs (@ 10 Mtpa)

**Construction Start:** Q2 2013 (Stage 1)

**Production Start:** Q3 2013 (Stage 1) - approvals / infrastructure dependent

[www.goldenwestresources.com](http://www.goldenwestresources.com)





### Sinosteel Midwest Corporation - Blue Hills

**Resource:** Hematite

**Cost:** \$25M

**Status:** On hold pending re-evaluation in light of the volatile iron ore market, high exchange rate and increasing cost environment.

**Location:** Morawa, 80km E

**Jobs – construction:** 100

**Jobs – operations:** 110

**Projected Annual Output:** 1.5 Mt hematite ore, exported through Geraldton Port

**Projected Resource Life:** 3yrs - additional hematite resources subject to further environmental approval

**Construction Start:** On hold

**Production Start:** On hold

[www.smcl.com.au](http://www.smcl.com.au)

### Sinosteel Midwest Corporation - Koolanooka

**Resource:** Hematite

**Cost:** \$70M

**Status:** In production. Completion of hematite mining and site closure expected in April 2013. A magnetite resource of 488 Mt has also been identified. Ongoing exploration and evaluation planned.

**Location:** Morawa, 20km E

**Jobs – construction:** 150

**Jobs – operations:** 110

**Projected Annual Output:** 1.5 Mt hematite ore until April 2013

**Projected Resource Life:** 3yrs

**Construction Start:** Complete

**Production Start:** Q2 2010

[www.smcl.com.au](http://www.smcl.com.au)

### Sinosteel Midwest Corporation - Weld Range

**Resource:** Hematite

**Cost:** \$2B

**Status:** Project on hold pending third-party construction of rail and port infrastructure. Bankable Feasibility Study complete.

**Location:** Cue, 60km NW

**Jobs – construction:** 1100

**Jobs – operations:** 850

**Projected Annual Output:** 15 Mt hematite ore

**Projected Resource Life:** 15yrs

**Construction Start:** On hold

**Production Start:** On hold

[www.smcl.com.au](http://www.smcl.com.au)

### Karara Mining Ltd - Karara Iron Ore Project

**Resource:** Hematite / Magnetite

**Cost:** \$2.57B

**Status:** Water pipeline (Mingenew to Karara), rail spur (Karara to Morawa), power line (Eneabba to Karara), Karara Export Terminal Geraldton all complete. DSO mining underway, ramping up to 2 Mtpa. Magnetite processing plant in commissioning.

**Location:** Morawa, 80km E

**Jobs – construction:** 1500+

**Jobs – operations:** 500

**Projected Annual Output:** Initially 2 Mt hematite ore & 8 Mt magnetite concentrate

**Projected Resource Life:** 30+yrs

**Construction Start:** Q4 2009

**Production Start:** Q4 2012 (magnetite)

[www.gindalbie.com.au](http://www.gindalbie.com.au)

### Top Iron - Mummaloo

**Resource:** Maghemite

**Cost:** \$50M

**Status:** Key logistics areas are identified for road, rail and port, with target plans in place to deliver in through staged milestones in 2013. The Environmental approvals process is on track and expected to complete by Q3 2013. Site production facility planning is well advanced and includes power, water and processing plant. The target milestone for first stage site commissioning is late 2013. Staff resourcing will commence from Q2 2013.

**Location:** Perenjori, 100km E

**Jobs – construction:** 40

**Jobs – operations:** 35

**Projected Annual Output:** 1 Mt

**Projected Resource Life:** 20 years

**Construction Start:** Q3 2013

**Production Start:** Q4 2013

[www.topiron.com.au](http://www.topiron.com.au)

### Asia Iron Holdings - Extension Hill Magnetite Project

**Resource:** Magnetite

**Cost:** \$3B

**Status:** Environmental approvals for 10 Mtpa of magnetite concentrate by slurry pipeline for export through Geraldton Port have been received. Construction of initial 110 person accommodation facilities was completed in January 2012. Implementation Study (Bankable Feasibility Study) was completed in January 2012. Acquisition of adjacent airstrip, borefield and access roads was completed in Q1 2012. Debt financing offer received March quarter 2012 with a formal go ahead decision expected in 2013.

**Location:** Perenjori, 85km E

**Jobs – construction:** 2500

**Jobs – operations:** 500

**Projected Annual Output:** 10 Mt magnetite concentrate

**Projected Resource Life:** 50+yrs

**Construction Start:** H2 2013

**Production Start:** Q4 2015

[www.asiairon.com.au](http://www.asiairon.com.au)



## Crosslands Resources - Jack Hills Expansion Project

**Resource:** Magnetite

**Cost:** \$3.9B+

**Status:** Resource estimate updated August 2012 – 3.89 Billion tonnes @ 29.52 % Fe. Feasibility study underway. Environmental approval granted, water and heritage approvals well advanced.

**Location:** Jack Hills, 350km NE of Geraldton

**Jobs – construction:** 2,000

**Jobs – operations:** 1,200

**Projected Annual Output:** 23+ Mt magnetite

**Projected Resource Life:** 39yrs

**Construction Start:** Subject to successful negotiation of infrastructure agreement with Oakajee Port & Rail and project go ahead.

**Production Start:** Subject to successful negotiation of infrastructure agreement with Oakajee Port & Rail and project go ahead.

[www.crosslands.com.au](http://www.crosslands.com.au)

## Ferrowest - Yogi Mine Project

**Resource:** Magnetite Iron Ore Concentrate

**Cost:** \$830M

**Status:** Pre Feasibility Complete. Work to complete a Bankable Feasibility Study is currently gearing up.

**Location:** Yalgoo, 14km E

**Jobs – construction:** Approx 1,000

**Jobs – operations:** 200

**Projected Annual Output:** 4.5 Mt (67% Fe)

**Projected Resource Life:** 20+ years

**Construction Start:** Q3 2014

**Production Start:** Q2 2016

[www.ferrowest.com.au](http://www.ferrowest.com.au)

## Ferrowest - Eradu MPI Project

**Resource:** Pig Iron (produced from magnetite concentrate from Yogi Mine project)

**Cost:** \$430M

**Status:** Pre Feasibility Complete. Time line and activity timed to match the Yogi Mine Project.

**Location:** Eradu, 60km E of Geraldton

**Jobs – construction:** Approx 1,000

**Jobs – operations:** 93

**Projected Annual Output:** 1 Mt merchant pig iron (96%Fe)

**Projected Resource Life:** 20+ years

**Construction Start:** Q3 2014

**Production Start:** Q2 2016

[www.ferrowest.com.au](http://www.ferrowest.com.au)



## Lead

### Magellan Metals - Wiluna

**Resource:** Lead Carbonate

**Cost:** \$15-20M

**Status:** Currently in care and maintenance, with the mine and processing plant expected to recommence in Q2 2013.

**Location:** Wiluna, 30km W

**Jobs – construction:** NA

**Jobs – operations:** 220

**Projected Annual Output:** Approximately 85,000 tpa Pb metal in concentrate

**Projected Resource Life:** 10yrs+

**Construction Start:** No significant construction before restart

**Production Start:** Q2 2013

[www.magellanmetals.com.au](http://www.magellanmetals.com.au)

## Mineral Sands

### Gunson Resources - Coburn Zircon Project

**Resource:** Mineral Sands

**Cost:** \$192M

**Status:** Korean steel producer POSCO obtained conditional Board approval in August 2012 to invest in Coburn as a minority joint venture partner, together with a Korean resources investment fund. This combined entity, the POSCO SPV, is to take a 40% equity interest in the Project. Formal approval by the Korean fund and signing of a joint venture agreement expected in December 2012.

**Location:** Geraldton, 250km N

**Jobs – construction:** 200

**Jobs – operations:** 130

**Projected Annual Output:** 89 kt ilmenite, 41 kt zircon, 19 kt HiTi (mixed rutile and leucoxene)

**Projected Resource Life:** 23.5yrs

**Construction Start:** Q1 2013

**Production Start:** Q3 2014

[www.gunson.com.au](http://www.gunson.com.au)

### Iluka Resources - Eneabba Mining Re-start and Synthetic Rutile Kiln 3 Refurbishment

**Resource:** Mineral Sands

**Cost:** \$35M

**Status:** Mining resumed at the end of 2011, with an upgrade to the Mineral Separation Plant to accommodate additional heavy mineral concentrate volumes and the major maintenance outage of synthetic rutile kiln 3 (SR3) completed in Q4 2011. Production commenced in Q1 2012 and project is now fully operational.

**Location:** Eneabba

**Jobs – construction:** 50

**Jobs – operations:** 160

**Projected Annual Output:** 130 kt Synthetic Rutile, 25 kt zircon, 25 kt rutile

**Projected Resource Life:** 3yrs. Production may be extended, subject to environmental and regulatory approvals, and further technical and financial assessment.

**Construction Start:** Q2 2011

**Production Start:** Q1 2012

[www.iluka.com](http://www.iluka.com)



### Tronox - Dongara

**Resource:** Mineral Sands

**Cost:** \$70M

**Status:** Bankable Feasibility Study underway. Proponent indicates intention to systematically develop this project as its Cooljarloo Mine 170km north of Perth is progressively depleted.

**Location:** Dongara, 25km SE (near Beharra Springs)

**Jobs – construction:** Not stated

**Jobs – operations:** Not stated

**Projected Annual Output:** 200 kt ilmenite, 30 kt rutile, 30 kt zircon

**Projected Resource Life:** 10-20yrs

**Construction Start:** Not stated

**Production Start:** 2015-2020

[www.australia.tronox.com](http://www.australia.tronox.com)

## Uranium

### BHP Billiton - Yeelirrie

**Resource:** Uranium

**Cost:** \$500M

**Status:** Yeelirrie is one of Australia's largest undeveloped uranium deposits. Canadian based Cameco, the world's largest publicly traded uranium company, purchased the Yeelirrie uranium project in August 2012 from BHP for around AUD\$430 million. The transaction is expected to be completed by the end of 2012, subject to the receipt of approvals from the government of Western Australia and the Australian Foreign Investment Review Board. Cameco reports that its first task is to re-confirm the mineral resource and complete its due diligence assessments before determining when development would begin.

**Location:** Wiluna 75km SW

**Jobs – construction:** 650

**Jobs – operations:** 300

**Projected Annual Output:** Initially 2-2.5 kt increasing to 5 kt uranium oxide concentrate (yellowcake)

**Projected Resource Life:** 20-40yrs

**Construction Start:** Pending review

**Production Start:** Pending review

[www.bhpbilliton.com](http://www.bhpbilliton.com)

### Mega Uranium - Lake Maitland

**Resource:** Uranium

**Cost:** \$101M

**Status:** Feasibility studies focusing on processing, engineering and infrastructure options are continuing.

**Location:** Wiluna, 130km SE

**Jobs – construction:** 450

**Jobs – operations:** 180

**Projected Annual Output:** 1 kt uranium oxide concentrate (yellowcake)

**Projected Resource Life:** 10+yrs

**Construction Start:** 2013

**Production Start:** 2014

[www.mega uranium.com](http://www.mega uranium.com)

### Toro Energy - Wiluna

**Resource:** Uranium

**Cost:** \$280M

**Status:** Processing via alkaline tank leach process and regional resources of 55 Mlbs. Definitive Feasibility Study commenced in Q2 2012. WA Ministerial environmental approval was received on 10 October 2012 after the EPA recommended the project be approved (May 2012) and a public appeals process was completed. A Federal Government decision is anticipated by the end of 2012.

**Location:** Wiluna, 30km SE

**Jobs – construction:** 350

**Jobs – operations:** 170

**Projected Annual Output:** 0.8 kt uranium oxide concentrate (yellowcake)

**Projected Resource Life:** 10yrs

**Construction Start:** Q3 2013

**Production Start:** Q4 2014

[www.toroenergy.com.au](http://www.toroenergy.com.au)

## Vanadium

### Atlantic Ltd - Windimurra

**Resource:** Vanadium

**Cost:** US\$335M raised in debt and AU\$55 million in equity to complete the previously mothballed project

**Status:** The facility is currently in commercial production of ferrovanadium and is undertaking regular product shipments. The project is currently ramping up to full production capacity.

**Location:** Mt Magnet, 80km SE

**Jobs – construction:** 400

**Jobs – operations:** 140

**Projected Annual Output:** Targeting 6,300 t contained vanadium as ferrovanadium.

**Projected Resource Life:** More than 28yrs following a 30% increase in JORC compliant vanadium ore reserve estimate to 160 million tonnes at 0.47% V2O5 and JORC compliant resource of 243 million tonnes at 0.48% V2O5.

**Construction Start:** Commenced Q1 2011

**Production Start:** Q1 2012

[www.alanticltd.com.au](http://www.alanticltd.com.au)

### Reed Resources - Barrambie

**Resource:** Vanadium

**Cost:** \$629M

**Status:** Proponent has previously advised that they have entered into a MOU with Chinese and Australian investors in 2011, which included an engineering procurement and construction contract (EPC) and project financing for the Barrambie project. The Company is currently investigating the additional recovery of titanium from the magnetite ore.

**Location:** Sandstone, 64km NW

**Jobs – construction:** 400

**Jobs – operations:** 250

**Projected Annual Output:** 11,200 t vanadium pentoxide (V2O5) or 7,700 t ferrovanadium (FeV8O)

**Projected Resource Life:** Minimum 12yrs at throughput of 3.2 Mtpa of ore

**Construction Start:** 2015

**Production Start:** 2017

[www.reedresources.com](http://www.reedresources.com)



# Infrastructure

## PROJECT STATUS

### Planning

The project has progressed significantly from the conceptual stage but it is not yet committed to proceed

### Committed Construction

The project is committed to proceed

### Complete

The project is under construction

The project has reached practical completion

## Communications

### Department of Commerce (DOC) - Regional Mobile Communications Project (RMCP)

**Cost:** \$40M

**Status:** Construction

**Location:** Regional WA

**Details:** The RMCP will extend mobile communications services to provide (near) continuous highway coverage, as well as coverage to (and between) the greatest possible number of nominated towns and communities in regional and remote parts of WA. The project will include mobile tower / base station infrastructure and portable mobile voice and wireless broadband communications systems. It will increase mobile phone coverage across the Western Australian land mass by up to 22 per cent while significantly boosting access to next generation broadband services. A total of 113 towers are being installed across WA, with 14 in the Mid West. Five Mid West installations have been launched (Arrowsmith Exchange, Arrowsmith Hwy, Coomallo Hill, Wagoe and Walkaway), with construction commencing at Mary Springs, Ajana and Binu South in October 2012.

**Construction Start:** Q1 2012

**Construction Complete:** 2013 /14

[www.commerce.wa.gov.au/scienceinnovation/Content/Programs/Regional-Mobile-Communications-Project/index.html](http://www.commerce.wa.gov.au/scienceinnovation/Content/Programs/Regional-Mobile-Communications-Project/index.html)

### NBN Co Ltd and Department of Broadband Communications and the Digital Economy - National Broadband Network (NBN) fixed wireless

**Cost:** Not stated

**Status:** Planning and live (staged rollout and activation)

**Location:** Geraldton. Maps - direct link: <http://www.nbnco.com.au/assets/maps/geraldton-fixed-wireless-coverage-maps.pdf>

**Details:** Geraldton is one of five Australian regional cities to receive fixed wireless as part of the initial Fixed Wireless rollout. This uses 4G technology to service a dedicated number of premises within a cell, each with a wireless antenna affixed to their premise.

**Construction Start:** Q3 2011 (design)

**Construction Complete:** Activated first customers in mid 2012.

Fixed Wireless available now in parts of Drummond Cove, Glenfield, Moresby, Spalding, Sunset Beach, Waggrakine, White Peak, Deepdale, Geraldton Airport, Moonyoonooka and Rudds Gully.

[www.nbn.gov.au](http://www.nbn.gov.au) / [www.nbnco.com.au](http://www.nbnco.com.au)

### NBN Co Ltd and Department of Broadband Communications and the Digital Economy - National Broadband Network (NBN) Interim Satellite Service

**Cost:** Not stated

**Status:** Available

**Location:** Geraldton

**Details:** The Interim Satellite Service (ISS) will provide an interim satellite services for premises that have previously had limited access to broadband. This is designed to provide a transition from the Australian Broadband Guarantee (ABG) program, delivering a 6Mbps/1Mbps capacity system prior to forecast 2015 start of the Long Term Satellite Service (following the launch of two NBN dedicated satellites).

**Construction Start:** Q3 2011

**Construction Complete:** Available Now. Eligibility requirements and detail on NBN website: <http://www.nbnco.com.au/our-network/fibre-wireless-satellite/satellite.html>  
[www.nbn.gov.au](http://www.nbn.gov.au) / [www.nbnco.com.au](http://www.nbnco.com.au)

### NBN Co Ltd and Department of Broadband Communications and the Digital Economy - National Broadband Network (NBN) second release site

**Cost:** Not stated

**Status:** Planning

**Location:** Geraldton. Maps – direct link: <http://www.nbnco.com.au/assets/media-releases/2011/maps-12-month-rollout-hr-18-oct-2011.pdf>

**Details:** A Federal Government Initiative, the NBN is a new, wholesale only, open access high speed broadband network. Geraldton is one of 19 second release sites to receive Fibre to the Premises (FTTP). The first 2,800 premises are underway, with the next 16,500 to start in next 12 months. Fibre construction maps are forecast for release in stages from March to December 2012. Seven fibre construction modules (each approximately 3,000 premises) are forecast for Geraldton. As at October 2012, six modules had been released, with construction work commenced. By June 2013 it is forecast that construction will have been completed in four modules, and the final stage of construction (civil works; fibre hauling) will have started in the remaining three. Following this the fibre areas will be 'ready for service' for premises to connect.

**Construction Start:** Q4 2011

**Construction Complete:** Activating first customers in October 2012  
[www.nbn.gov.au](http://www.nbn.gov.au) / [www.nbnco.com.au](http://www.nbnco.com.au)



## WA Police, FESA and Department of Corrective Services - Community Safety Network - Regional Radio Network (CSN-RRN)

**Cost:** \$80.3M (covers several regions)

**Status:** Planning

**Location:** WA

**Details:** The CSN-RRN will implement two integrated purpose-built, secure and reliable digital radio communications networks.

1. The regional Trunked Radio Network is an expansion of the existing trunked radio network to the key regional centers of Albany, Geraldton, Kalgoorlie and the Pilbara, with access for Police, DCS and FESA. The network will provide a resilient trunked radio communications network and benefits to the community through a more informed, responsive, and coordinated public safety and law enforcement capability in regional population areas.
2. The Conventional Digital Radio network will replace the current analogue police regional radio network throughout regional WA to provide a fit-for purpose regional communications network for Police to ensure current law enforcement operations and business continuity are sustainable.

**Construction Start:** Q2-3 2012

**Construction Complete:** 2016

[www.police.wa.gov.au](http://www.police.wa.gov.au)

## Oakajee

### Oakajee Port and Rail - Temporary Accommodation Camp

**Cost:** \$95M

**Status:** Planning

**Location:** Chapman Valley, 20km north of Geraldton (Oakajee Industrial Estate)

**Details:** A temporary accommodation camp for the Oakajee Port & Rail development to house a potential workforce of up to 1,500 over a 3 year period. The camp will be developed in two stages and will incorporate 375 x 2-4 person accommodation units, 27 laundry buildings, a gymnasium, sports courts, swimming pool and administration and other common areas.

**Construction Start:** After acceptance of a bankable feasibility study

**Construction Complete:** 2015

[www.opandr.com](http://www.opandr.com)

### Landcorp - Oakajee Industrial Estate

**Cost:** To be confirmed - dependent on client needs

**Status:** Planning

**Location:** Oakajee, 23km north of Geraldton

**Details:** The Oakajee Industrial Estate has been designed to accommodate uses related to the proposed port and rail project. The site comprises a Strategic Industry Area (Heavy) – 1,134ha, General Industry Areas – 196ha and 4,071ha of Buffer Area. Has potential to cater for downstream processing of Mid West sourced minerals and to export through a deep water port. A Structure Plan for the estate was endorsed by the Western Australian Planning Commission in April 2012.

**Construction Start:** Dependent on client needs

**Construction Complete:** ~2018

[www.landcorp.com.au/project/oakajeeindustrialestate](http://www.landcorp.com.au/project/oakajeeindustrialestate)

### Oakajee Port and Rail - Oakajee Deep Water Port

**Cost:** ~\$2B (subject to review) (including \$678M State and Federal contribution to common user infrastructure)

**Status:** Planning

**Location:** Oakajee, 23kms north of Geraldton

**Details:** The development of an import/export, multi-user, multi-function deepwater port to support a world class industrial estate. Major engineering and environmental management plans underway. The State and Australian Government have committed \$678M to common user infrastructure.

**Construction Start:** After acceptance of a Bankable Feasibility Study

**Construction Complete:** To be determined

[www.opandr.com](http://www.opandr.com)

### Oakajee Port and Rail - Mid West Rail Infrastructure

**Cost:** ~\$2B (subject to review)

**Status:** Planning

**Location:** Mid West

**Details:** The development of heavy freight rail to link proposed northern mines (Weld Range and Jack Hills) to the proposed Oakajee Port. Preliminary engineering completed for port and rail supply chain capable of handling up to 75 Mtpa. Key environmental, heritage and other regulatory approvals well advanced.

**Construction Start:** After acceptance of a Bankable Feasibility Study

**Construction Complete:** To be determined

[www.opandr.com](http://www.opandr.com)

## Transport

### Aurizon (formerly QR National) - Narngulu East Maintenance Depot

**Cost:** Part of a \$200M+ investment in the region

**Status:** Complete

**Location:** Narngulu East

**Details:** To support the ramp up of Mid West iron ore activities, Aurizon has completed its \$200M investment in the company's Mid West operations. Part of this investment was the upgrade of the rail yard and facilities at the current Narngulu depot and the construction of a new maintenance depot at Narngulu East, adjacent to the main line. The maintenance facility includes additional track, trip service facilities, locomotive service area and warehouse. The site has been operational since October 2012 and has begun ramping up services to support iron ore exports of up to 8.8 Mtpa. Aurizon employs over 120 people from the Mid West region.

**Construction Start:** Q3 2011

**Construction Complete:** Q2 2012

[www.aurizon.com.au](http://www.aurizon.com.au)

### City of Greater Geraldton - Geraldton Airport Upgrade

**Cost:** \$75M

**Status:** Planning - Design, specification and cost estimates completed

**Location:** Geraldton

**Details:** Planning and detailed design completed for the construction of a 2700 metre Code 4E runway and associated taxiway and apron infrastructure, which will enable the operation of larger Jet aircrafts to A330/B787 class by international, domestic RPT and charter airlines. Staged development is envisaged across 2-3 years.

**Construction Start:** 2014 (depending on availability of funding)

**Construction Complete:** To be determined

[www.geraldtonairport.com.au](http://www.geraldtonairport.com.au)



### **Karara Mining Ltd - Karara Export Terminal, Geraldton**

**Cost:** \$250M+

**Status:** Complete

**Location:** Geraldton Port

**Details:** Construction of a dual wagon tipper train unloader, 255,000 t storage facility and new berth 7 and 5,000 tph shiploader, with a combined annual capacity of around 16 Mtpa. All infrastructure owned and operated by Karara.

**Construction Start:** Commenced 2010

**Construction Complete:** Q3 2012

[www.kararamining.com.au](http://www.kararamining.com.au)

### **Mount Gibson Iron / Geraldton Port Authority - Geraldton Port Train Unloader Upgrade**

**Cost:** \$20M

**Status:** Complete

**Location:** Geraldton

**Details:** Upgrade to increase iron ore receival rate to 3,000 tonnes per hour, extend the port rail network to accommodate longer trains, align existing iron ore ship loading capacity with receival capacity and reduce reliance on road network to transport iron ore to the port. The project was completed in May, effectively doubling Mount Gibson's export capacity at the port to 6 Mtpa.

**Construction Start:** Q3 2011

**Construction Complete:** Q2 2012

[www.mtgibsoniron.wa.gov.au](http://www.mtgibsoniron.wa.gov.au)

### **Brookfield Rail - Mid West Rail upgrade**

**Cost:** \$550M

**Status:** Construction

**Location:** Morawa north to Mullewa and west through to Geraldton Port

**Details:** In October 2012, Brookfield Rail completed its upgrade of its existing rail infrastructure in the Mid West region from Morawa north through Mullewa and west to Geraldton Port to enable development, growth and long term sustainability in the region. After replacing the entire main line, the new rail structure comprises of concrete dual gauge sleepers and up to 60 kilogram per metre rail and will have a minimum 21 tonne narrow gauge axle load. To support the increase in rail traffic, the project involved substantial upgrades to signalling and communications, including Centralised Train Control, an upgraded train order system and active level crossing protection. This upgrade has completely transformed the rail network, significantly increasing rail capacity in the Mid West from 3 Mtpa to 25 Mtpa initially, and potentially well beyond to 75 Mtpa in the future.

**Construction Start:** Commenced Q2 2011

**Construction Complete:** Q3 2012

[www.brookfieldrail.com](http://www.brookfieldrail.com)

### **Karara Mining Ltd - Karara spur line**

**Cost:** \$150M+

**Status:** Complete

**Location:** Karara-Tilly Siding (Morawa)

**Details:** Construction of an 85km dual gauge sleeper rail line (haulage capacity of +30 Mtpa) from Karara to Tilly Siding complete.

**Construction Start:** Commenced 2010

**Construction Complete:** Q3 2013

[www.kararamining.com.au](http://www.kararamining.com.au)

### **Department of Commerce - Upgrade of Carnarvon - Mullewa Road (Gascoyne Junction-Mullewa section)**

**Cost:** \$8-12M

**Status:** Planning

**Location:** Murchison Settlement

**Details:** Upgrade of the Carnarvon-Mullewa Road between Murchison Settlement and Mullewa to enhance safety and connectivity.

Once completed, the road will benefit pastoralists, tourists and industry, as well as supporting the further development and servicing of radio astronomy projects (including Australia's SKA Phase 1) located within the Murchison Radio-astronomy Observatory. The upgrade will also create an alternative transport route to the Brand Highway for traffic movements between the Mid West and Gascoyne regions. Exact alignments and specifications for the road upgrades are being determined.

**Construction Start:** 2013/14

**Construction Complete:** Q2 2016

[www.commerce.wa.gov.au](http://www.commerce.wa.gov.au)

### **Department of Environment and Conservation - Upgrade of the Loop / Z Bend Road and recreation sites, Kalbarri National Park**

**Cost:** \$16.5M

**Status:** Committed - Funding committed to Stage 1 of the project (\$7.5M)

**Location:** Kalbarri National Park

**Details:** Construct sealed road access (approximately 33km) from the Kalbarri-Ajana Road to the Loop, Z Bend and West Loop recreation sites. Upgrade visitor infrastructure at these recreation sites including expansion of car parking and construction of new toilets, shade shelters, lookouts and walk trails. Stage 1 works include completion of 12-15km of sealed road and upgrade of recreation facilities at the Loop and West Loop sites.

**Construction Start:** Q2 2013 (Stage 1)

**Construction Complete:** 2013/14 (Stage 1)

[www.dec.wa.gov.au](http://www.dec.wa.gov.au)

### **Department of Planning - Oakajee Narngulu Infrastructure Corridor (ONIC)**

**Cost:** \$400M+

**Status:** Planning

**Location:** Geraldton

**Details:** The ONIC will provide a road, rail and utility services corridor linking the proposed Oakajee Port and adjacent strategic industrial estate with the existing Narngulu industrial area and Geraldton Port. The corridor will be approximately 34km long and 250m wide and enable the coordinated delivery of critical transport and service infrastructure to stimulate the development of the regionally significant sites.

**Construction Start:** 2016

**Construction Complete:** Undefined

[www.planning.wa.gov.au](http://www.planning.wa.gov.au)

### **Main Roads WA - Bridge Replacement (Greenough River)**

**Cost:** \$18M

**Status:** Committed

**Location:** Greenough River, 25km south of Geraldton

**Details:** Replacement of existing bridge (1953) making it safer and less susceptible to closure during floods. Involves straightening of road alignment and raising and widening the bridge to meet minimum highway standards.

**Construction Start:** Q4 2013

**Construction Complete:** Q2 2014

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)



### Main Roads WA - Goldfields Highway

**Cost:** \$100M+

**Status:** Planning

**Location:** Meekatharra-Wiluna

**Details:** Reconstruct gravel pavement and seal 8m wide. Long term goal is to achieve continuous two lane seal width between Meekatharra and Wiluna, with an approach of staged construction of priority sections depending on level of funding. \$20M has been committed for 2012/13 to 2014/15 to improve road safety and reliability by reconstructing and sealing key priority sections (total approximately 25km). This highway forms an important part of the proposed PortLink concept, which would ultimately link Port Hedland, Kalgoorlie-Boulder, Esperance and Geraldton with Fremantle and the Eastern States. PortLink has the potential to provide a more robust and flexible freight network that supports economic development and employment opportunities in regional areas.

**Construction Start:** Q1 2013

**Construction Complete:** Undefined - project only partly funded

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

### Main Roads WA - Indian Ocean Drive - Green Head to Brand Highway

**Cost:** \$35M

**Status:** Planning

**Location:** Green Head-Cliff Head

**Details:** Realign substandard sections, reconstruct substandard curves and widen seal. Planning, design and some construction works have commenced with funding from various programs. 1.3km realignment completed in 2011/12, up to 15km widening underway in 2012/13.

**Construction Start:** Q4 2012

**Construction Complete:** Undefined - project only partly funded

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

### Main Roads WA - Midlands Road (Gunyidi to Irwin)

**Cost:** \$18M

**Status:** Planning

**Location:** Gunyidi-Irwin

**Details:** There are sections of the Midlands Road with seal width less than the 7m minimum for this classification of road. The total length of this narrow seal is 51km. The works to widen the seal will also include widening of existing culverts which are currently restricting the gravel shoulder width in many places. The total cost to widen the seal, culverts and associated land acquisition where required is estimated to be \$18M (including culvert works \$5M).

**Construction Start:** Undefined - project only partly funded

**Construction Complete:** Undefined - project only partly funded

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

### Main Roads WA - Mullewa Bypass

**Cost:** \$28M

**Status:** Planning

**Location:** Mullewa

**Details:** Main Roads has developed a concept design for the Mullewa Bypass. The road is contained mainly within the rail reserve and effects private land at the eastern tie in to the existing road alignment. This realignment would remove heavy vehicles from Mullewa town centre, however, the heavy vehicle traffic will have a major decrease once the OPR rail is constructed and iron ore cartage by road ceases. Main Roads will continue to monitor the growth of other heavy vehicle traffic to determine the timing for the need of a heavy vehicle bypass for Mullewa.

**Construction Start:** Undefined - planning phase

**Construction Complete:** Undefined - planning phase

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

### Main Roads WA - Wubin Mullewa Road upgrade

**Cost:** \$100M

**Status:** Planning

**Location:** Morawa-Mullewa

**Details:** Widen and seal the Morawa to Mullewa section of the Mullewa Wubin Road. Main Roads WA priority is to widen the seal to a minimum total width of 7m. Only minor sections are being addressed as funding is made available. The current estimate to improve this section is \$100M and these works would require five years to deliver.

**Construction Start:** Undefined - subject to funding

**Construction Complete:** Undefined - subject to funding

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

### Main Roads WA - Wubin Mullewa Road upgrade (Perenjori-Morawa section)

**Cost:** \$23M

**Status:** Construction

**Location:** Perenjori-Morawa

**Details:** Widen and seal the Perenjori to Morawa section of the Mullewa Wubin Road. MRWA priority is to widen the seal to a minimum total width of 7m. Funding to address minor sections has been received through a number of safety improvement programs, however the Minister for Transport has announced \$2M for 2012/13 to undertake upgrades of some sections. The balance of funding (\$21M) will be expended from 2013/14 to 2014/15.

**Construction Start:** Q4 2012

**Construction Complete:** Q4 2015

[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

### Shire of Carnamah - Bunjil-Carnamah Road upgrade

**Cost:** \$3.5M

**Status:** Planning

**Location:** Bunjil-Carnamah

**Details:** As a result of the closure of the Perenjori - Maya railway line the expected new grain freight volume on the Bunjil-Carnamah road is expected to exceed 100,000 tonnes per year - necessitating significant upgrade to safely accommodate the additional freight. The upgrade of 24.5km of road to accommodate 36.5m (Network 7) road train configurations will include road widening to 9m (sealed to 7m), associated drainage (equalising culverts) widened to 12m, verge clearing and resealing.

**Construction Start:** Q4 2012

**Construction Complete:** Q4 2016

[www.carnamah.wa.gov.au](http://www.carnamah.wa.gov.au)

### Shire of Murchison - Upgrade of Ballinyoo Bridge

**Cost:** \$5M

**Status:** Planning - Business case being finalised

**Location:** Murchison Settlement, 80k S

**Details:** Ballinyoo Bridge was built in the 1930s; the second concrete bridge constructed in WA. A new bridge will be built to replace the existing bridge, which is now closed to large vehicles and restricted to 30km/h for light vehicles due to its poor condition. In the event of the Murchison River flooding, the new bridge will minimise transport disruption from Mullewa to Murchison Settlement and further north. Apart from facilitating community connectivity, the bridge will also enhance access to the SKA and the MRO site and assist the pastoral and tourist sectors in the Murchison and adjoining regions.

**Construction Start:** Q2 2014

**Construction Complete:** Q4 2014

[www.murchison.wa.gov.au](http://www.murchison.wa.gov.au)



# Energy

## APA Group - Mondarra Gas Storage Facility

**Cost:** \$140M

**Status:** Construction

**Location:** Dongara

**Details:** Expansion of the Mondarra Gas Storage facility from 3-12 petajoules and a 10-fold increase in its supply capacity to 150 terajoules per day, equivalent to 15 per cent of the State's total daily consumption. The project will use a depleted natural gas reservoir for storage of gas to supply the Western Australian market. Transmission of the gas to market will be via both the Dampier to Bunbury Natural Gas Pipeline and Parmelia pipelines.

**Construction Start:** 2010

**Construction Complete:** 2013

[www.apa.com.au](http://www.apa.com.au)

## Aviva Corporation Limited - Coolimba Power Project

**Cost:** \$1B

**Status:** Planning

**Location:** Eneabba

**Details:** Aviva has received conditional environmental approval for the 810 MW Coolimba Power Project to create a power generation hub on private agricultural land just south of Eneabba and 15km from the Dampier to Bunbury Natural Gas Pipeline (DBNGP) and the planned 330 kV Mid West Power line. Coolimba will be able to meet the growing energy demands of the Mid West for 30 years plus. Coolimba is a well recognized carbon capture and storage ready project.

**Construction Start:** Not stated

**Construction Complete:** Not stated

[www.avivacorp.com.au](http://www.avivacorp.com.au)

## Morawa Solar Thermal Pty Ltd - North Midlands Solar Thermal Power Project (Stage 1)

**Cost:** \$15.1M

**Status:** Committed - Funding awarded for Stage 1

**Location:** Morawa

**Details:** A 1.5 MW concentrated solar thermal power station with energy storage. The project will consist of nine solar towers across a six hectare site, with annual power output equivalent to around 2,500 MWh or 8,000 photovoltaic panels. The plant will be connected to the local power feeder and supply power to local communities. Subject to funding, a second stage of the project will incorporate at least another six solar towers and additional generation capacity up to 3 MW.

**Construction Start:** Q3 2013

**Construction Complete:** Q1 2015

[www.carbonreduction.com.au](http://www.carbonreduction.com.au)

## Eneabba Gas - Centauri 1 Gas Fired Power Station

**Cost:** \$200M

**Status:** Planning

**Location:** Dongara

**Details:** Eneabba Gas Limited is planning to develop a 168 MW syngas, gas-fired Centauri 1 power station on Company-owned land 8km east of Dongara. Its Centauri 1 project now has all the necessary regulatory approvals for development, but the company is waiting on finance to proceed.

**Construction Start:** Not stated

**Construction Complete:** Not stated

[www.eneabbagas.com.au](http://www.eneabbagas.com.au)

## Horizon Power - Murchison Radio Astronomy Power Plant

**Cost:** \$26.5M

**Status:** Committed

**Location:** Murchison

**Details:** Construction of a hybrid diesel/solar photovoltaic power plant, with an innovative design that will cater for the strict radio-quiet conditions required for radio astronomy activities at the Murchison Radio-astronomy Observatory (MRO). The plant will support the early operations of the Square Kilometre Array, providing a peak load of 1.1 MW. Expressions of interest from construction companies were sought in October 2012.

**Construction Start:** Q3 2013

**Construction Complete:** Q3 2014

[www.horizonpower.com.au](http://www.horizonpower.com.au)

## Hyperion Energy Pty Ltd - Solar Power Project

**Cost:** \$2.5B

**Status:** Planning and approvals

**Location:** Cue, 10km N (Tuckanarra)

**Details:** Hyperion is developing a sustainable energy project utilising proven solar updraft technology. The solar plant is being developed to meet potentially significant demands for electricity as major resources projects come on stream in the Mid West. With the plant generating electricity 24/7, it could become an important supplier of baseload renewable power for the State's growing energy requirements. Power generation capacity of the plant will be 1,124 GWh / year (Stage One); 601 GWh / year (Stage Two).

**Construction Start:** Not stated

**Construction Complete:** Not stated

[www.hyperionenergy.com.au](http://www.hyperionenergy.com.au)

## Investec - Chapman Solar Farm

**Cost:** \$200M

**Status:** Planning - Approved

**Location:** Narra Tarra (Chapman Valley)

**Details:** This project would be one of Australia's largest utility scale solar farm. The development would comprise a 50 MW solar photovoltaic power station across a 315ha site area. The facility is expected to generate approximately 100,000 MW hours of electricity per year that would equate to a reduction in greenhouse gas emissions of approximately 110,000 tpa compared with coal-fired power generation.

**Construction Start:** 2013

**Construction Complete:** 2015

[www.investec.com.au](http://www.investec.com.au)

## Karara Mining Ltd - Eneabba - Karara 330kV transmission line

**Cost:** ~\$270M

**Status:** Complete

**Location:** Eneabba - Karara

**Details:** 376 towers covering 180km. Project completed June 2012.

**Construction Start:** Commenced 2010

**Construction Complete:** Q2 2012

[www.kararamining.com.au](http://www.kararamining.com.au)



### Verve Energy - Greenough River Solar Farm

**Cost:** ~\$50M

**Status:** Complete

**Location:** Walkaway

**Details:** A Public Private Partnership project between Verve Energy and GE Energy Financial Services, including \$10M from Royalties for Regions, this project will be Australia's largest utility scale solar farm. The 10 MW facility is expected to generate approximately 23 GWh per annum and reduce greenhouse gas emissions by 20,000 tpa. An eventual expansion to 40 MW has been proposed. The project was opened on 10 October 2012. The energy generated by the facility will be purchased by the WA Water Corporation to help offset the energy requirements of the Southern Seawater Desalination Plant, near Binningup.

**Construction Start:** Q4 2011

**Construction Complete:** Q3 2012

[www.verveenergy.com.au](http://www.verveenergy.com.au)

### Verve Energy - Warradarge Wind Farm

**Cost:** \$600M

**Status:** Planning

**Location:** Warradarge, 25km south of Eneabba

**Details:** The Warradarge Wind Farm is proposed to be located approximately 15km south-east of Eneabba and consisting of 100 turbines. The 100 turbine wind farm would produce up to 875 million Kilowatt-hours (kWh) of electricity per year, which is equivalent to the average annual electricity needs of 140,000 West Australian homes. The wind farm would also prevent at least 700,000 tonnes of CO2 from entering the atmosphere annually. The project has received approvals from both the Shire of Coorow (Wind Farm) and the Shire of Carnamah (transmission line linking back to existing 330 kV line).

**Construction Start:** Q1 2014

**Construction Complete:** Stage 1 - Q1 2016, Stage 2 - Q1 2018, Stage 3 - Q1 2020

[www.verveenergy.com.au](http://www.verveenergy.com.au)

### Verve Energy and Macquarie Capital Group - Mumbida Wind Farm

**Cost:** \$200M

**Status:** Construction

**Location:** Walkaway

**Details:** The Mumbida Wind Farm is a 55 MW renewable energy project located approximately 40km southeast of Geraldton, Western Australia, and consisting of 22 x 2.5 MW General Electric 2.5xl wind turbines. The entire output from the wind farm will be purchased by the Water Corporation to offset the energy requirements of the Southern Seawater Desalination Plant. Sixteen of the 22 wind turbines are installed (as at November 2012) and substation construction is nearing completion.

**Construction Start:** Commenced Q3 2011

**Construction Complete:** Q1 2013

[www.mumbidawindfarm.com.au](http://www.mumbidawindfarm.com.au)

### Western Power - Chapman to Oakajee transmission line

**Cost:** Not stated

**Status:** Planning

**Location:** Chapman to Oakajee

**Details:** A new transmission line (double circuit 132 kV) from the existing Chapman substation to the Oakajee Port area, to service the first stage of the Mid West Development Project (Oakajee). Options are also being investigated for a future substation in the Oakajee area to improve supply security and reliability to surrounding suburbs and north to Northampton and Kalbarri. The line may follow the planned Oakajee Narngulu Infrastructure Corridor.

**Construction Start:** Dependent on the Mid West Development Project (Oakajee)

**Construction Complete:** Not stated

[www.westernpower.com.au](http://www.westernpower.com.au)

### Western Power - Geraldton Port and CBD Power Requirements Project

**Cost:** \$40-\$55M (depending on final solution selected)

**Status:** Planning

**Location:** Geraldton

**Details:** Western Power is currently assessing options to reinforce the Geraldton CBD and port area. There are a number of drivers for this project including an increase in power demand and future growth in the CBD and port areas; capacity constraints at existing substations in the Geraldton network; and aging existing assets throughout the area in need of replacement in the near future. Community consultation and analysis of options is underway.

**Construction Start:** Dependent on option selected and discussion with stakeholders

**Construction Complete:** Typically 18 month construction timeframe depending on option selected

[www.westernpower.com.au](http://www.westernpower.com.au)



### Western Power - Mid West Energy Project (Stage 1)

**Cost:** \$450M

**Status:** Construction

**Location:** Neerabup to Three Springs

**Details:** A 330 kV transmission line to improve volume, quality and reliability of electricity supply to the Mid West and enable the connection of new loads and generators in the region. Full approval to proceed received in May 2012. The line contract was awarded and project is under construction.

**Construction Start:** 2012

**Construction Complete:** 2014

[www.westernpower.com.au](http://www.westernpower.com.au)



### Western Power - Mid West Energy Project (Stage 2)

**Cost:** \$160-\$280M (depending on final solution selected)

**Status:** Planning

**Location:** Three Springs to Geraldton

**Details:** A transmission line extension from Mid West Energy Project (MWEP) (Stage 1) through to Geraldton. Stage 2 is proposed to meet the electricity demands of existing and prospective customers, particularly:

- Underlying natural load growth in the Geraldton region;
- Load growth from the proposed new port and industrial estate developments at Oakajee north of Geraldton;
- Load growth at Geraldton Port Authority; and
- New generation seeking connection to the grid.

Funding will be sought for MWEP Stage 2 from the relevant agencies.

Regulatory Test for Stage 2 is expected early in 2013.

**Construction Start:** 2015 (estimate)

**Construction Complete:** 2017 (estimate)

[www.westernpower.com.au](http://www.westernpower.com.au)

### Western Power - Oakajee to Northampton transmission line

**Cost:** Not stated

**Status:** Planning

**Location:** Oakajee to Northampton

**Details:** A proposed extension of the planned Chapman to Oakajee transmission line through to Northampton to reinforce power supplies to areas north of Geraldton.

**Construction Start:** Dependent on load growth in the area north of Geraldton

**Construction Complete:** Not stated

[www.westernpower.com.au](http://www.westernpower.com.au)

## Water

### Water Corporation - Allanooka - Wye Farm Duplication Part 1

**Cost:** \$6.2M

**Status:** Committed

**Location:** Dongara

**Details:** The Water Corporation will construct 13.8km of duplication pipeline along the existing main between the Allanooka Reservoir and Wye Farm Borefield to accommodate Dongara's peak demand. The new main will increase the capacity and transfer rate to the Dongara storage tanks. The main duplication is scheduled for completion in Q4 2014.

**Construction Start:** Q4 2013

**Construction Complete:** Q4 2014

[www.watercorporation.com.au](http://www.watercorporation.com.au)

### Water Corporation - Brown Lane 3ML Tank

**Cost:** \$6.4M

**Status:** Committed

**Location:** White Peak

**Details:** The Water Corporation will commence works to construct a 3 ML water storage tank at White Peak to provide emergency storage for Geraldton North and to improve pressure across developments at Drummond Cove and Glenfield areas. The tank and associated works are scheduled for completion in May 2013.

**Construction Start:** Q2 2012

**Construction Complete:** Q2 2013

[www.watercorporation.com.au](http://www.watercorporation.com.au)

### Water Corporation - Duplicate main - Nanson Road to Hall Road Tanks

**Cost:** \$4.6M

**Status:** Committed

**Location:** Geraldton

**Details:** Storage tanks on Nanson and Hall Roads require increased transfer rate in order to meet peak customer demand. The Water Corporation will construct a 7km main pipeline from Nanson to Hall Road to speed up the flow rate between the tanks.

**Construction Start:** Q3 2013

**Construction Complete:** Q4 2013

[www.watercorporation.com.au](http://www.watercorporation.com.au)

### Water Corporation - Glass Street Pump Station #3 Upgrade

**Cost:** \$5.2M

**Status:** Committed

**Location:** Kalbarri

**Details:** The Water Corporation will be upgrading Kalbarri Glass St Pump Station including the construction of a new 3km pressure main so that wastewater collected at the pump station can be transferred directly to the Kalbarri Wastewater Treatment Plant, relieving the load on the Grey St Pump Station.

**Construction Start:** Q3 2013

**Construction Complete:** Q3 2014

[www.watercorporation.com.au](http://www.watercorporation.com.au)

### Water Corporation - Kalbarri Waste Water Treatment Plant Expansion

**Cost:** \$4.4M

**Status:** Committed

**Location:** Kalbarri

**Details:** The Water Corporation will be upgrading Kalbarri's wastewater treatment and disposal in stages to cater for the increase in wastewater flow due to growth. The upgrades will improve the quality of treated wastewater release to meet the increasingly strict standards for disposal to the golf course and environment.

**Construction Start:** Q1 2013

**Construction Complete:** Q4 2013

[www.watercorporation.com.au](http://www.watercorporation.com.au)

### Water Corporation - Tarcoola Beach Infill Sewerage and Pump Station

**Cost:** \$7.8M

**Status:** Planning - Design stage

**Location:** Geraldton

**Details:** Infill sewerage and pump station and pressure main for the Tarcoola Beach area.

**Construction Start:** Q1 2014

**Construction Complete:** Q3 2015

[www.watercorporation.com.au](http://www.watercorporation.com.au)

### Water Corporation - Walkaway Pumping Station and Pipeline

**Cost:** \$15M

**Status:** Complete

**Location:** Walkaway

**Details:** The new pump station is complete and undergoing commissioning. One of the three pumps is expected to be available for the summer.

**Construction Start:** Commenced 2010

**Construction Complete:** Q4 2012

[www.watercorporation.com.au](http://www.watercorporation.com.au)





# MID WEST DEVELOPMENT COMMISSION

*...making the Mid West a preferred region in which to live, work, study and invest*

**The Mid West Development Commission is a State Government statutory authority and is one of nine regional development commissions in Western Australia. The Commission is responsible to the Honorable Brendon Grylls MLA, Minister for Regional Development and Lands.**

The Commission's Board of Management comprises ten members representing local government, the community and the business sectors, as well as the Commission's CEO.

The Commission's role is to encourage and promote economic and social activity in the Mid West region in keeping with environmental and community values. The Commission achieves this by providing timely, innovative, professional services to businesses, industry and the community.

The Commission manages or supports a number of important economic and community based projects and has played, or continues to play, a lead or integral role in the establishment and development of a number of major projects; including the:

- SMART Mid West policy that has helped support the:
  - Murchison Radio-astronomy Observatory including Australian Square Kilometre Array Pathfinder project (ASKAP);
  - Australia's successful bid to co-host the international SKA with Southern Africa;
  - Establishment and growth of the Geraldton Universities Centre; and
  - Establishment of the Separation Point Marine Precinct.
- Mid West Investment Plan, which has received \$220 million over five years for implementation;
- Regional Investment Blueprint for the Mid West to set future development direction for the region and further strengthen the link between this planning and future investment;
- Mid West Indigenous Arts Industry Strategy, which initiated the development of the Wirnda Barna Art Centre in Mount Magnet;
- Development of a Mid West Digital Economy Strategy with stakeholders to maximise benefits from the region's advanced telecommunications infrastructure status;
- Bidi Bidi early childhood / parenting centre in Mount Magnet;
- Shire of Morawa's development as one of WA's nine regional SuperTowns;
- Establishment of a heavy boat lifting facility at the Geraldton fishing boat harbour;
- Geraldton foreshore redevelopment and CBD revitalisation;
- Development of the Gascoyne Murchison Outback Pathways;
- Draft Mid West Regional Planning and Infrastructure Framework;
- Redevelopment of the Batavia Coast Marina (stages 1 and 2);
- Marine aquaculture and finfish industry development;
- Planning for Oakajee deepwater port, industrial estate and Murchison rail;
- Development of the Mid West Energy Plan in partnership with the Office of Energy; and
- Planning for the needs and impacts of major resources development, including the provision of Indigenous employment and training opportunities.

All these projects and others enable the Commission to achieve its vision of having the Mid West region recognised as a preferred region in which to live, work, study and invest.





# Government Projects

## PROJECT STATUS

### Planning and Approvals

The project has progressed significantly from the conceptual stage but it is not committed to proceed  
Funding for the project has been committed  
The project is under construction  
The project has reached practical completion

### Committed Construction Complete

## Education and Training

### Consortium of nine schools in partnership with Durack Institute of Technology - Geraldton Regional Trade Training Centre

**Cost:** \$8.8M

**Status:** Complete

**Location:** Geraldton

**Details:** The Trade Training Centre allows students to begin their pathway into trade level qualifications whilst still at school in the areas of electro-technology, metals engineering and laboratory techniques.

**Construction Start:** Q3 2011

**Construction Completion:** Q4 2012

[www.det.wa.gov.au](http://www.det.wa.gov.au)

### Department of Education - Wandina Primary School

**Cost:** \$8M

**Status:** Committed

**Location:** Wandina, Geraldton

**Details:** A staged primary school development on a 3.5ha site on Britannia Parade in Wandina (southern suburbs of Geraldton). In its first year of operation (2014) the school will cater for students from kindergarten to year 3, with year 4-6 classes rolled out in 2015 and further year groups progressively in later years. The project is being put out for tender in November 2012.

**Construction Start:** 2013

**Construction Completion:** 2014

[www.det.wa.gov.au](http://www.det.wa.gov.au)

### Department of Education & Training - Dongara District High School Upgrade

**Cost:** \$30M

**Status:** Complete

**Location:** Dongara

**Details:** Staged upgrade of primary, secondary and specialist facilities.

**Construction Start:** Q1 2011

**Construction Completion:** Q4 2012

[www.det.wa.gov.au](http://www.det.wa.gov.au)

### Department of Education & Training - Geraldton Senior College Upgrade Stage 2

**Cost:** \$5M

**Status:** Complete

**Location:** Geraldton

**Details:** Improvements to science and visual arts facilities.

**Construction Start:** 2011

**Construction Completion:** Q1 2012

[www.det.wa.gov.au](http://www.det.wa.gov.au)

### Durack Institute of Technology - Centre for Health, Community Services and Aboriginal Culture and Learning

**Cost:** \$15-25M

**Status:** Committed - Approved by State Government

**Location:** Fitzgerald St Campus, Geraldton

**Details:** Two-staged development to construct a state of the art training facility for nursing, childcare, aged care and generalist subjects such as adult education, literacy and numeracy and specific workforce development for Aboriginal people.

**Construction Start:** Q2 2013

**Construction Completion:** Q4 2014 (Stage 1)

[www.durack.edu.au](http://www.durack.edu.au)

### Durack Institute of Technology - Centre for Resources Sector Workforce Development (minerals and energy)

**Cost:** \$9M

**Status:** Committed - Approved by State Government

**Location:** Adjacent to Airport Technology Park, Geraldton

**Details:** Training facility to service the resources sector across occupations such as civil construction, heavy duty and fixed plant repair and maintenance, OSH and related "high risk tickets". Centre will also act as a hub for related Durack facilities at Carnarvon, Exmouth, Wiluna and possibly Morawa.

**Construction Start:** Q2 2013

**Construction Completion:** Q3 2014

[www.durack.edu.au](http://www.durack.edu.au)



### **Durack Institute of Technology - Science and Technology Centre (includes Environmental Management and Sustainable Technologies)**

**Cost:** \$10-11M

**Status:** Planning - Pending finance

**Location:** Adjacent to Batavia Coast Maritime Institute, Geraldton

**Details:** State of the art demonstration, interpretive and training centre to promote the use of sustainable technologies and train the workforce to develop and install such technologies. Planning is complete and funding is being sought.

**Construction Start:** Q2 2013

**Construction Completion:** Q4 2014

[www.durack.edu.au](http://www.durack.edu.au)

### **Shire of Morawa - Morawa Industry Training Centre**

**Cost:** \$8M

**Status:** Planning

**Location:** Morawa

**Details:** Through work undertaken by the Morawa Education and Industry Training Alliance (MEITA), an interim Industry Training Centre in Morawa is planned in partnership with the Durack Institute of Technology. The interim facility will cost around \$1M to construct and enable provision of training courses for industry (particularly resource and agriculture sectors) and community throughout the North Midlands. The full scale training centre facility that includes a mixture of workshops, laboratories, accommodation, classrooms and seminar rooms for remote delivery.

**Construction Start:** Q1 2013 (interim facility)

**Construction Completion:** Q4 2014 (Interim facility)

[www.morawa.wa.gov.au](http://www.morawa.wa.gov.au)

## **Health**

### **Department of Health / WA Country Health Service - Geraldton Health Campus redevelopment**

**Cost:** \$108M

**Status:** Planning - Pending finance

**Location:** Geraldton

**Details:** Proposed extension and redevelopment of Geraldton Health Campus including an in patient mental health unit and cancer centre, and expansion of the restorative ward and emergency department.

**Construction Start:** Not stated

**Construction Completion:** Not stated

[www.health.wa.gov.au](http://www.health.wa.gov.au)



### **Mid West Development Commission on behalf of GHETAP Stakeholders - Geraldton Health, Education and Training Accommodation Project (GHETAP) Stage 1**

**Cost:** \$20M+

**Status:** Planning - Preparation of Feasibility Study and Business Case

**Location:** Geraldton

**Details:** The project seeks to provide affordable, quality accommodation for students and staff associated with the institutions within the Geraldton Health, Education and Training Precinct – ie Department of Health, Combined Universities Centre for Rural Health; Durack Institute of Technology, Geraldton Universities Centre and potentially CSIRO. This facility would make it more attractive for students and staff to study, train and work in the Mid West region.

**Construction Start:** H2 2014

**Construction Completion:** 2015

[www.mwdc.wa.gov.au](http://www.mwdc.wa.gov.au)

### **Ngangganawili Aboriginal Health Service - Wiluna Aboriginal Medical Centre**

**Cost:** \$10.9M

**Status:** Complete - Some minor works required to enable occupancy

**Location:** Wiluna

**Details:** The comprehensive new clinic will replace the existing clinic in Thompson Street, Wiluna. The facility will include two treatment rooms and an emergency centre, a dental clinic and sterilization room, occupational therapy workshop and separate rooms for consultations / examinations, minor procedures, dialysis, x-ray, pathology, sexual health (plus two consultation rooms), audio health, substance abuse counseling, child health, podiatry and physiotherapy, wellness and associated waiting and administration areas.

**Construction Start:** 2012

**Construction Completion:** Q4 2012 - operational Q1 2013

[www.nahs.org.au](http://www.nahs.org.au)

## **Land Development**

### **City of Greater Geraldton & Department of Housing - Building Better Regional Cities - Karloo Wandina Project**

**Cost:** \$28M

**Status:** Planning

**Location:** Geraldton

**Details:** Construction of Verita Road and an overbridge across the Southern Transport Corridor will improve connectivity within Geraldton for current and future residents. It will also enable the development of affordable land/housing via the subdivisions of Department of Housing (DOH) and City Greater Geraldton landholdings in Karloo and Wandina (potentially 1,500 lots on DOH land alone). The project has received \$9 million in Federal funding from the Building Better Regional Cities Program and other funding is being sought. It will provide access to the planned Southern Districts Sporting Complex as well as proposed commercial shopping precinct in Wandina.

**Construction Start:** Q3 2013

**Construction Completion:** Q3 2014

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)



## Department of Housing - Beachlands Development, Crowther St & Eliot St

**Cost:** \$8.3M

**Status:** Construction

**Location:** Geraldton

**Details:** Subdivision works and sewer upgrade to create two new housing precincts in the suburb of Beachlands (Crowther St (Stage 1) and Eliot St (Stage 2)) providing a mix of affordable housing lots including grouped housing lots and public open space.

1. Stage 1. Crowther St: 31 lots released for sale in May 2012, 29 have sold to date with two conditional sales. A further release of 16 lots was planned from this stage in Sept / Oct 2012 but has been held up pending asbestos contamination investigation.
2. Stage 2. Eliot St: 11 grouped housing sites to be created including the provision of sewer and major landscaping was planned to commence in the latter part of this year also, but has been put on hold due to asbestos contamination investigation. It is envisaged that the remediation of both these sites should take it into Jan / Feb 2013 before any release or redevelopment could commence on both these sites.

**Construction Start:** Commenced 2010

**Construction Completion:** Q2 2013 (Eliot St - Stage 2)

[www.housing.wa.gov.au](http://www.housing.wa.gov.au)

## LandCorp & Mid West Development Commission - Batavia Coast Marina - Stage 2

**Cost:** \$20-25M

**Status:** Planning

**Location:** Geraldton

**Details:** The proposed redevelopment of 6.14ha of vacant Government land in Geraldton CBD marina precinct. \$3.86M Government funding announced in June 2012 to enable commencement of preliminary site investigations commencing in 2012/13 and redevelopment works commencing thereafter.

**Construction Start:** Not stated

**Construction Completion:** Not stated

[www.landcorp.com.au](http://www.landcorp.com.au)

## LandCorp & PRM - Bluff Point Project

**Cost:** Not stated

**Status:** Planning

**Location:** Geraldton

**Details:** Subdivision of 8.4ha site spanning Bluff Point and Beresford to deliver approximately 86 single lots and two grouped housing sites for a total of approximately 100 new homes.

**Construction Start:** Q3 2013

**Construction Completion:** Q4 2014

[www.landcorp.com.au](http://www.landcorp.com.au)

## Local Government Infrastructure

### City of Greater Geraldton - Beresford Foreshore Coastal Protection and Enhancement

**Cost:** \$12.5M

**Status:** Planning - Working towards detailed design

**Location:** Geraldton

**Details:** The Beresford foreshore is an section of coastline with a sediment deficit, which will continue for the foreseeable future. There is a need to undertake appropriate coastal protection measures that will protect the most vulnerable sections of the foreshore, and provide for efficient ongoing management of the sediment deficit. Modelling and Concept Design work has been completed and adopted by the City.

**Construction Start:** Q1 2014

**Construction Completion:** 2015

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)

### City of Greater Geraldton - Eadon-Clarke Sporting Reserve (Stage 1)

**Cost:** \$3.4M

**Status:** Construction

**Location:** Geraldton

**Details:** Redevelopment of existing Eadon-Clarke Sporting Reserve to provide improved multi purpose grassed ovals with lighting and amenities for several outdoor sports. Project involves significant water infrastructure upgrades, with clubrooms proposed for a future stage. All earthworks, groundwater / irrigation upgrades and floodlighting is complete with only car parking and other minor works to complete the project. Grass will take at least 12 months to establish before sporting activity can commence.

**Construction Start:** Q3 2011

**Construction Completion:** Q1 2013

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)

### City of Greater Geraldton - Eastern Breakwater Precinct

**Cost:** \$4.6M

**Status:** Construction

**Location:** Geraldton

**Details:** An extension of the Geraldton Foreshore redevelopment that will include parklands, boardwalks and jetties in a previously isolated semi industrial site adjacent to the Geraldton Port. Works commenced in September 2012. Jetty structures being redesigned. Landscaping, electrical and irrigation works is being re-tendered.

**Construction Start:** Q3 2012

**Construction Completion:** Q2 2013

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)





### City of Greater Geraldton - Regional & Services Works Depot Relocation

**Cost:** \$11.3M

**Status:** Planning - Detailed design underway (leading to construction)

**Location:** Geraldton

**Details:** The amalgamation of the City of Geraldton and the Shire of Greenough resulted in the need to upgrade and relocate the City's Works Depot. The facility will be constructed over the next three years at a new site at the Regional Airport Technology Park.

**Construction Start:** Q3 2012

**Construction Completion:** 2014

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)

### City of Greater Geraldton - Southern Districts Sporting Facility and Olive Street Development

**Cost:** \$9.5M

**Status:** Planning

**Location:** Geraldton

**Details:** The City's Olive Street reserve is being subdivided to provide a mixture of public open space and residential areas. The rezoning has been supported by the Minister for Planning with a full Subdivision Concept Plan approved as part of the process. Proceeds from the sale of this land will be used to support the staged development of the Southern Districts Sporting Facility, on a virgin site at Lot 9 Verita Road (25.65ha) in Geraldton's southern suburb of Wandina. The new multi purpose sports ground complex will cater for multiple configurations of different ball sports (junior and senior). The facility will include a premier oval with adjacent function rooms, bar / canteen, offices and ablutions, as well as grounds for junior sports and training. Future stages may include indoor multi purpose sporting facilities.

**Construction Start:** Not stated

**Construction Completion:** Not stated

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)

### City of Greater Geraldton - Stormwater Harvesting and Efficiency Project

**Cost:** \$6M

**Status:** Planning - Design stage

**Location:** Geraldton

**Details:** A new stormwater harvesting and reuse project in Geraldton, which will save more than 745 million litres of drinking water each year by 2014. The project includes a retrofit of existing drainage systems in the CBD, overhaul of several large non-performing sumps, stormwater harvesting and other water efficiency measures.

**Construction Start:** Q4 2012

**Construction Completion:** Q3 2013

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)

### City of Greater Geraldton - West End Recreation and Entertainment Precinct

**Cost:** \$9.6M

**Status:** Planning

**Location:** Geraldton

**Details:** Revitalisation of the West End of the Geraldton Foreshore precinct to make it more user friendly and reactivated. The project has four components – Eastern Breakwater (EBW); Merry-Go-Round by the sea; Multi User Facility; and restoration of Original Railway Station. The EBW is underway and is reported separately. The other three components are in design stage and are seeking contributory funding.

**Construction Start:** Q3 2013

**Construction Completion:** Q2 2014

[www.cgg.wa.gov.au](http://www.cgg.wa.gov.au)

### Murchison Regional Vermin Council - Construction of the Murchison Region Vermin Exclusion Cell

**Cost:** \$7.4M

**Status:** Construction

**Location:** The cell will enclose 88,000km<sup>2</sup> in an area of the Mid West stretching from Paynes Find to just south of Meekatharra.

**Details:** The project is a cooperative venture involving the Murchison Regional Vermin Council and the Shires of Sandstone, Mount Magnet, Yalgoo, Cue, Meekatharra and Wiluna with the objective being the creation of a vermin exclusion cell thus enabling the management and eradication of wild dogs within. The project is in three stages:

1. Stage 1 is the upgrade of the No 1 Vermin Fence and No 2 Spur Vermin Fence with an expenditure of \$1.6M. Stage 1 commenced in 2011 and is scheduled for completion in Mid 2013;
2. Stage 2 is the extension of the No2 Spur Vermin Fence a distance west of approximately 100km at a cost of \$1M. Stage 2 is expected to commence Q4 2013 and take around 12 months to complete; and
3. Stage 3 is the construction of approximately 380km of new vermin fencing, at an estimated cost of \$4.8M, to complete the northern and western parts of the cell and join up with the State Barrier Fence. Construction is expected to commence in Q1 2015.

**Construction Start:** Q4 2011

**Construction Completion:** Q4 2015

[www.mtmagnet.wa.gov.au/default.asp?documentid=78](http://www.mtmagnet.wa.gov.au/default.asp?documentid=78)

### Shire of Morawa - Sports Ground Redevelopment

**Cost:** \$3M

**Status:** Planning - Design stage

**Location:** Morawa

**Details:** A full makeover of the Morawa Sports Ground function area and change room facility, which will include a new commercial kitchen and cool room area, ablutions, storage areas, more undercover viewing areas and a makeover to the social club room area. The change room and toilet / bathroom facilities will be built onto the northern end of the existing function area, with a new southern extension to be constructed to accommodate the new kitchen and cool room area. The project is being tendered in December 2012 and construction commencing early 2013.

**Construction Start:** Q1 2013

**Construction Completion:** Q3 2013

[www.morawa.wa.gov.au](http://www.morawa.wa.gov.au)



## Shire of Morawa - Town Centre Revitalisation

**Cost:** \$5.5M

**Status:** Committed - Design stage

**Location:** Morawa

**Details:** As one of the State's nine regional SuperTowns, Morawa was allocated \$3 million in Royalties for Regions funding from the SuperTowns Project Development Fund to enhance its town centre. This funding will enable stages one and two of the project including the construction of a new heavy freight bypass road that will divert heavy traffic away from the main street and the development of a new civic square and pedestrian crossing.

**Construction Start:** 2013

**Construction Completion:** 2014

[www.morawa.wa.gov.au](http://www.morawa.wa.gov.au)



## Radio Astronomy - Research

### CSIRO - Australian Square Kilometre Array Pathfinder (ASKAP)

**Cost:** \$152M

**Status:** Complete - phase feed arrays being progressively installed

**Location:** Murchison

**Details:** ASKAP comprises of 36 antennas, each with a diameter of 12m that will work together as a single instrument. Installation of all 36 antennas and most of the infrastructure was completed in 2012. Cutting edge phased array feeds will be progressively installed on all 36 antennas during 2013. ASKAP was officially opened on 5 October 2012 and is now the basis for Australia's SKA Stage 1 project.

**Construction Start:** Commenced 2010

**Construction Completion:** 2013

[www.atnf.csiro.au/projects/askap/](http://www.atnf.csiro.au/projects/askap/)

### CSIRO - Murchison Radio-astronomy Observatory Support Facility (MSF)

**Cost:** \$4.5M

**Status:** Construction

**Location:** Geraldton

**Details:** Located at the Geraldton Universities Centre, this support facility for the MRO will contain a telescope control room, computer room, monitoring and processing equipment, electrical and mechanical workshops, office and meeting space and amenities. The building will also include an education / outreach centre. The building is nearing completion and will be operational around March 2013.

**Construction Start:** Q4 2011

**Construction Completion:** Q4 2012

[www.atnf.csiro.au/projects/askap/site.html](http://www.atnf.csiro.au/projects/askap/site.html)



### Curtin University - Murchison Widefield Array (MWA)

**Cost:** \$30M

**Status:** Construction - Commissioning

**Location:** Murchison

**Details:** The Murchison Widefield Array (MWA) is an international initiative involving institutions in Australia, United States, India and New Zealand. The MWA is a new type of radio telescope that has no moving parts and is dependent on high performance computing to create real time widefield images of the radio sky. Once completed it will observe and discover low frequency radio phenomena that have never been seen before. The MWA prototype, comprising 128 tiles, each with 16 dipole antennas, was completed in November 2012 and is undergoing commissioning for the commencement of full operations in March 2013. The MWA is a precursor telescope, testing new technologies for the low frequency component of the international Square Kilometre Array (SKA) project, which will be built to full scope in the Mid West by 2024.

**Construction Start:** Q1 2012

**Construction Completion:** Q4 2012

[www.mwatelescope.org](http://www.mwatelescope.org)

### Department of Innovation, Industry, Science, Research and Tertiary Education & the Department of Commerce - Square Kilometre Array (SKA) Radio Telescope

**Cost:** \$1.5B (down from \$2.5B due to the strong dollar against the Euro).

The estimated cost of the SKA Stage 1 (jointly hosted by Australia and Southern Africa) is around \$450M.

**Status:** Planning

**Location:** Murchison Radio-astronomy Observatory

**Details:** The SKA is a mega-science project to develop the world's largest and most advanced radio telescope, with 50 times the sensitivity and 10,000 times the survey speed of today's best instruments. In May 2012, the international funding partners recommended that infrastructure be shared between Australia and Southern Africa. The Mid West region will host a 96-dish survey telescope and the full low frequency array, while South Africa and eight partner countries will host the mid frequency arrays. A pre-construction design phase will run from 2013-2016, with industry encouraged to engage:

[www.ska.gov.au/industry/Pages/ExpressionsofInterest.aspx](http://www.ska.gov.au/industry/Pages/ExpressionsofInterest.aspx)

**Construction Start:** 2016

**Construction Completion:** 2024

[www.ska.gov.au](http://www.ska.gov.au)





The Commission's **Mid West Investment Plan (MWIP)** outlines the Mid West's key infrastructure priorities. Its development involved extensive consultation and planning with local governments and Mid West based agencies, industries, community groups and the private sector. The MWIP promotes coordinated development of social and economic investment in the region that captures maximum opportunity from anticipated regional growth.

Collectively valued at more than \$3 billion (excluding Oakajee and SKA related projects) the MWIP includes more than 300 priority infrastructure projects in the Mid West. The MWIP seeks to drive public and private investment in economic infrastructure (railways, roads, ports, communications, electricity and utilities) and social and community infrastructure (health, education, town revitalisation and recreation facilities) across the three Mid West subregions (Batavia Coast, Murchison and North Midlands).

The highest priority projects, or 'Flagships', are those identified as being essential to the region and needing to be substantially progressed or completed within four years. The Commission has secured \$220 million in Royalties for Regions funding to support the development of these 'Flagship' projects over a five year period and a further \$3 million over the same period to support its implementation. Proponents of 'Flagship' projects are now submitting projects for funding consideration. Projects already supported for MWIP funding can be seen here - [www.mwdc.wa.gov.au/MidWestInvestmentPlan](http://www.mwdc.wa.gov.au/MidWestInvestmentPlan)

The MWIP takes its strategic context from the **Mid West Regional Planning and Infrastructure Framework (MWRPIF)**, which promotes planning and development on a sub-regional basis. Led by the Western Australian Planning Commission, the MWRPIF is being developed by the Mid West Regional Planning Committee and focuses on establishing a strategic regional planning framework, with emphasis on land use planning in the Mid West. Like the MWIP, the MWRPIF strongly supports planning and coordination across government.

The Commission continues to advocate for coordinated planning and development in the Mid West based on different growth scenarios. This will ensure a proactive community and business responses to major projects including the proposed development of Oakajee and its associated infrastructure and mining operations, as well as other major projects including the ASKAP and SKA. Concurrently, the Commission is also working with key agencies to progress key sector specific regional plans including the:

- Mid West Energy Plan;
- Mid West Water Supply Plan;
- Mid West Digital Economy Strategy;
- Mid West Workforce Development Plan;
- North Midlands Economic Development Strategy; and
- Sustainable Future City Region project.

This planning will inform the Commission's **Regional Investment Blueprint**, which will set future direction for the Mid West. Blueprints are also proposed for the other eight regions to guide regional development across the State. **Economic Development Strategies** for the three Mid West subregions will also identify and guide economic development opportunities at a subregional basis to leverage off major projects.

The Commission also continues to work with local governments to identify and progress infrastructure priorities that could be funded from the Royalties for Regions **Country Local Government Fund (CLGF)**. The increasing focus of CLGF is collaborative projects that benefit multiple communities and the Commission facilitates workshops with local government groupings to identify and progress priority subregional projects. This process also informs the MWIP implementation process.



# Non Government Projects

## PROJECT STATUS

### Planning and Approvals

The project has progressed significantly from the conceptual stage but it is not committed to proceed

### Construction Complete

The project is under construction

The project has reached practical completion

## Aged Care

### Juniper - Hillcrest Aged Care Facility

**Cost:** \$3.8M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** Construction of an additional high care wing of 20 beds, complementing the existing (recently redeveloped) aged care facility. Works commenced October 2012 with a six month build anticipated.

**Construction Start:** Q4 2012

**Construction Completion:** Q2 2013

[www.juniper.org.au](http://www.juniper.org.au)

### Thungarra Aged Care Facility - Global Care Group

**Cost:** \$35M

**Status:** Planning and Approvals

**Location:** Dongara

**Details:** 26 bed aged care facility adjacent to the existing medical centre. A Development Application has been submitted to the Shire of Irwin and an application to the Department of Health and Ageing for 28 bed licences has also been submitted - approvals for both are expected this year.

**Construction Start:** Project on hold until H1 2013

**Construction Completion:** Not stated

[www.globalcareinc.com.au/thungarra-mews](http://www.globalcareinc.com.au/thungarra-mews)

## Commercial

### Centro Properties Group - Centro Stirlings

**Cost:** \$5M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** Redevelopment and extension of the existing Stirlings Shopping Centre and Chapman Way Arcade to create a modern retail precinct. Project requires pre-leasing commitment of around 60% to commence and is sitting at around 50% currently.

**Construction Start:** 2013

**Construction Completion:** 2014

[www.centro.com.au](http://www.centro.com.au)

### Humfrey Land Developments - Seacrest Shopping Centre

**Cost:** \$12M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** Retail (shopping centre) development in Wandina.

**Construction Start:** Q1 2013 (dependant on Woolworths)

**Construction Completion:** Q4 2013

[www.hld.com.au](http://www.hld.com.au)

## Community Services

### Catholic Diocese of Geraldton - St Francis Xavier Precinct Project - Restoration, Conservation and Enhancement

**Cost:** \$7.5M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** The project involves major restoration work to the Cathedral, landscaping and beautification of the Cathedral grounds, and the construction of a Monsignor Hawes Heritage Centre, associated coffee shop and town square. Planning approval has been received from the City of Greater Geraldton and tenders for initial works will be called before the end of 2012. Restoration and conservation work on the Cathedral is planned to commence in Q2 2013. The Committee is seeking to raise \$2M from community fundraising and will pursue government funding once this initial fundraising target has been reached.

**Construction Start:** Q2 2013

**Construction Completion:** 2015

[www.sfxcathedralproject.com.au](http://www.sfxcathedralproject.com.au)





### **DrugARM (WA) Inc - "Therapeutic Community" Residential Rehabilitation Facility - Geraldton**

**Cost:** \$3M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** DrugARM Services are currently offered from a smaller facility with this proposed project capable of servicing larger client numbers and offering new services in a 'retreat' style facility on Geraldton's outskirts would offer services that promote reconnection with families, reintegration into the labour market, reduction in reoffending, and improvements in mental and physical health, and improved social functioning.

**Construction Start:** Q2 2013

**Construction Completion:** Q4 2013

[www.drugarmwa.org.au](http://www.drugarmwa.org.au)

### **Fusion Australia Ltd - Mixed term affordable accommodation project**

**Cost:** \$10M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** Will include independent units (16x1 bed; 6x2 bed), a 67 bed hostel and an administration area with office space, public amenities, workshops and other support facilities. The facility will help address the shortage of low cost short stay / transition accommodation in Geraldton and enable social service providers to assist residents with various programs and training. The independent units are the priority and will form stage 1 of the project. Funding currently being sought.

**Construction Start:** Q1 2013

**Construction Completion:** Q2 2014

[www.suncitychristiancentre.com.au](http://www.suncitychristiancentre.com.au)

### **Sun City Christian Centre - New Facilities**

**Cost:** \$4.4M

**Status:** Planning and Approvals

**Location:** Karloo, Geraldton

**Details:** Relocation and expansion of facilities to accommodate existing activities and predicted future growth. The proponent is in the process of securing Lot 11379 in Karloo with settlement expected in November 2012. Facilities will include Fun City children's area, Wildfire youth auditorium and Sun City Care Inc welfare facilities.

**Construction Start:** Q1 2013

**Construction Completion:** Q2 2014

[www.suncitychristiancentre.com.au](http://www.suncitychristiancentre.com.au)

## **Education**

### **Combined Universities Centre for Rural Health - Centre for Rural and Remote Health Education**

**Cost:** \$3.6M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** An extension of the CUCRH facility to expand services and improve education delivery technology across multiple regions. Construction tender closes November 2012.

**Construction Start:** Q4 2012

**Construction Completion:** Q2 2013

[www.cucrh.uwa.edu.au](http://www.cucrh.uwa.edu.au)

### **Geraldton Universities Centre - Stage 2 Building Project**

**Cost:** \$3M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** Construction of extra classrooms and shared spaces to not only accommodate increased face-to-face delivery of existing and new course enrolments, but also to enable GUC and the Mid West take advantage of the high speed IT services that will be available through Aarnet in association with NBN, ASKAP and CSIRO projects situated on the GUC site.

**Construction Start:** Q1 2013

**Construction Completion:** Q1 2014 in time for February commencement of academic year

[www.guc.edu.au](http://www.guc.edu.au)

### **Nagle Catholic College - Gymnasium**

**Cost:** \$8.7M

**Status:** Construction

**Location:** Geraldton

**Details:** The gymnasium building is being developed in the grounds of the College (boarded by Maitland and Sanford Streets) to cater for students from Year 7-12. The new building will also be used for school assemblies and other official events. Classrooms are also part of the development.

**Construction Start:** Q1 2012

**Construction Completion:** Q3 2013

[web.ncc.wa.edu.au](http://web.ncc.wa.edu.au)

## **Mixed Use Development**

### **Batavia Coast Marina Pty Ltd and Cedar Woods Properties Ltd - via Chmapion Bay Nominees Pty Ltd - Commercial / Retail / North Shore Apartments**

**Cost:** \$24M

**Status:** Construction

**Location:** Geraldton

**Details:** A waterfront development at the Batavia Coast Marina including 25 apartments that can be either residential or corporate accommodation plus 424m<sup>2</sup> of boardwalk retail and commercial space.

**Construction Start:** Q1 2011

**Construction Completion:** Q2 2013

[www.bataviamarina.com.au](http://www.bataviamarina.com.au)

### **Humfrey Land Developments - Lot 601 Marine Terrace**

**Cost:** \$100M

**Status:** Planning and Approvals - Designs underway; Development Application submitted

**Location:** Geraldton

**Details:** Construction of an eight storey mixed use centre to include retail, hotel, commercial and residential components.

**Construction Start:** Not stated (at design stage)

**Construction Completion:** Not stated

[www.hld.com.au](http://www.hld.com.au)



# Residential Land Development

## Kiama Holdings - Harborside Development

**Cost:** \$18M

**Status:** Planning and Approvals - Development application approved and project being marketed for pre sales

**Location:** Geraldton

**Details:** Ground floor restaurant; 1st floor Geraldton Club facilities; 2nd & 3rd floor offices (two suites per floor); 4th – 6th floor residential with one, two and three bedroom residences (three of each - nine in total); and a 7th floor full floor penthouse.

**Construction Start:** Q3 2013

**Construction Completion:** Q4 2014

[www.harborside.com.au](http://www.harborside.com.au)

## Vision 2020 (subsidiary of Property Matrix Pty Ltd) - Azure Serviced Apartments

**Cost:** \$4.5M

**Status:** Planning and Approvals

**Location:** Geraldton

**Details:** Currently Town Towers has existing ground floor retail / office space. Floors 2-7 are to be internally demolished and rebuilt incorporating 39 serviced apartments. The tender process is currently underway; once completed a builder will be appointed and work will commence. Vision 2020 has leased floors 2-7 to Azure Serviced Apartments and it is anticipated that Azure Serviced Apartments will be accommodating guests in the last quarter of 2013.

**Construction Start:** Q4 2012

**Construction Completion:** Q4 2013

[www.propertymatrix.net.au](http://www.propertymatrix.net.au)

## Cedar Woods Properties Ltd and Batavia Coast Marina Pty Ltd via Champion Bay Nominees Pty Ltd - South Shore Residential Apartments

**Cost:** \$28M

**Status:** Construction

**Location:** Geraldton

**Details:** A five level waterfront development at the Batavia Coast Marina, comprising 25 x two and three bedroom residential apartments plus basement parking.

**Construction Start:** Q1 2011

**Construction Completion:** Q2 2013

[www.bataviamarina.com.au](http://www.bataviamarina.com.au)

## Humfrey Land Developments - Seacrest Estate (Stages 15-17)

**Cost:** Not stated

**Status:** Construction

**Location:** Geraldton

**Details:** 1,260 lots with space allocated for a public primary school and private school, retirement village, public open space and a retail area.

Stage 15 and 16 completed in 2012 with stage 17 (last stage) construction to commence in Q2 2013.

**Construction Start:** Staged development commenced in 2000

**Construction Completion:** 2014

[www.hld.com.au](http://www.hld.com.au)





# Tourism Developments

## PROJECT STATUS

### Planning and Approvals

The project has progressed significantly from the conceptual stage but it is not committed to proceed

### Construction

The project is under construction

### Complete

The project has reached practical completion

#### Batavia Coast Marina Pty Ltd - Batavia Coast Marina Hotel, Tavern & Terrace Homes

**Cost:** \$43M

**Status:** Planning and Approvals

**Location:** Geraldton

**Description:** 4.5 star 81 room hotel development including a tavern and 4 residential terrace homes.

**Construction Start:** Q3 2013

**Construction Finish:** Q3 2015

[www.bataviamarina.com.au](http://www.bataviamarina.com.au)

#### Batavia Village Pty Ltd - Batavia City Hotel

**Cost:** \$4M

**Status:** Construction

**Location:** Geraldton

**Description:** Refurbishment of 1 hectare site to include 79 four star rooms with restaurant, function and convention facilities.

**Construction Start:** Q4 2011

**Construction Finish:** Q4 2013

[www.bataviacityhotel.com](http://www.bataviacityhotel.com)

#### Humfrey Land Developments - Abrolhos Resort

**Cost:** \$32M

**Status:** Planning and Approvals - Coastal setback and environmental policy issues being negotiated

**Location:** East Wallabi Island

**Description:** 4.5 star tourist resort with accommodation for 60 guests and 10 staff on East Wallabi Island - part of the Houtman Abrolhos Islands 60km west of Geraldton.

**Construction Start:** Not stated

**Construction Finish:** Not stated

[www.hld.com.au](http://www.hld.com.au)

#### Humfrey Land Developments - Leeman Caravan Park & Resort

**Cost:** \$44M

**Status:** Planning and Approvals - Caravan park plans being finalised

**Location:** Leeman

**Description:** Relocation of existing caravan park to adjacent land and redevelopment of existing caravan park site to a 200 bedroom 4.5 star resort.

**Construction Start:** Q2 2013

**Construction Finish:** 2015

[www.hld.com.au](http://www.hld.com.au)

#### Humfrey Land Developments - Mahomets Caravan Park & Resort

**Cost:** \$50M

**Status:** Planning and Approvals - Government management order completed

**Location:** Geraldton

**Description:** Construction of 58 x two bed - two bath chalets, new caravan park and adjoining 4.5 star resort.

**Construction Start:** Q1 2013

**Construction Finish:** Not stated

[www.hld.com.au](http://www.hld.com.au)







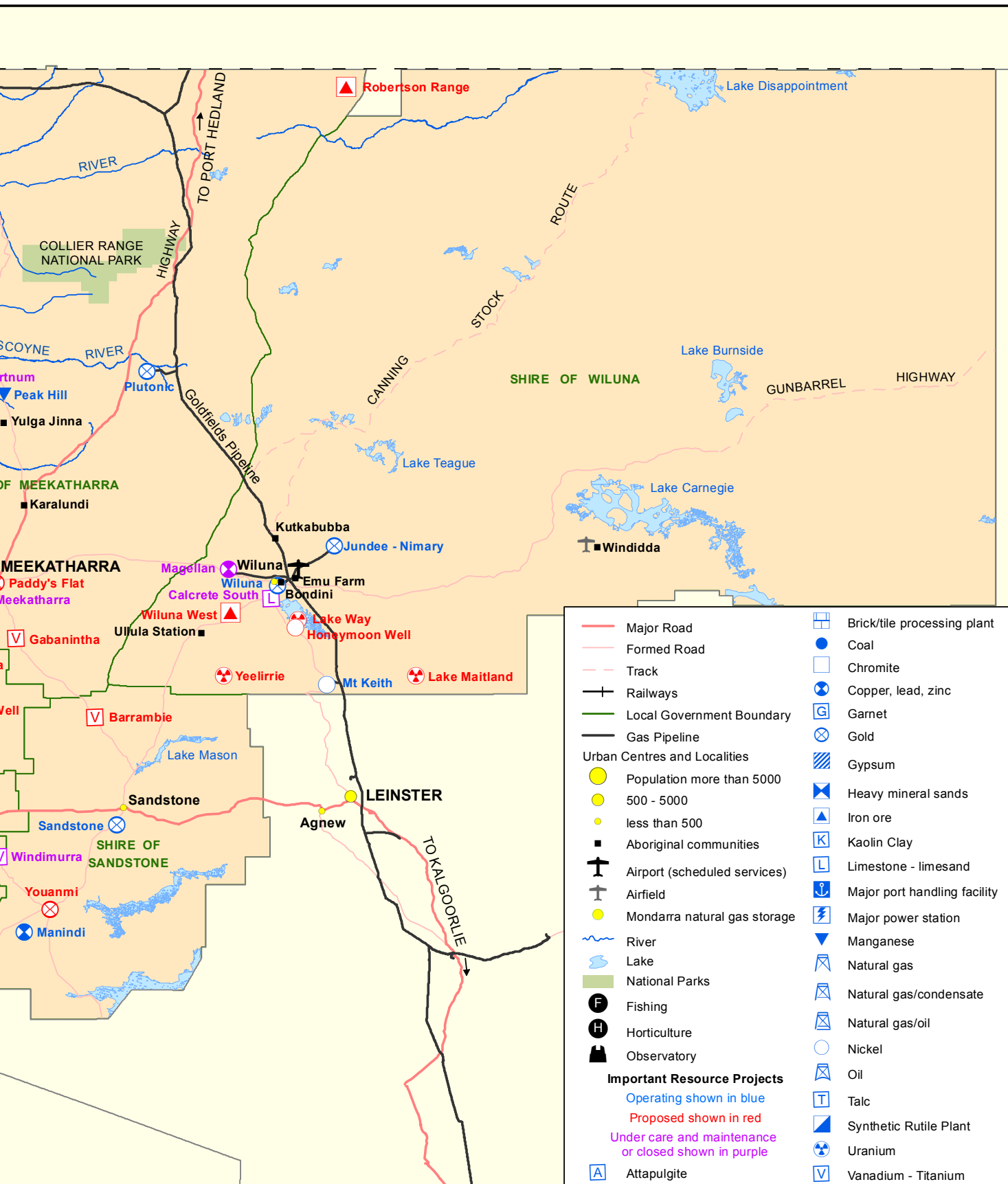
# MID WEST REGION KEY FEATURES




Government of Western Australia  
Department of Regional Development and Lands







 Government of Western Australia  
Department of Water

This map is a product of the Department of Water, Spatial Services and was printed on 16/11/2011.

This map was produced with the intent that it be used for display purposes at the scale of [1:5,000,000] when printing at A4.

While the Department of Water has made all reasonable efforts to ensure the accuracy of this data, the department accepts no responsibility for any inaccuracies and persons relying on this data do so at their own risk.

**Datum and Projection Information**

Vertical Datum:  
Australian Height Datum (AHD)

Horizontal Datum:  
Geocentric Datum of Australia 94

Projection:  
Geodetic

Spheroid: Australian National Spheroid

**Project Information**

Client: Regional Development and Lands

Map Author: Caroline Kiely

Filename: A4\_Perspective\_Midwest\_2011\_v1.mxd

Compilation date: 16/11/2011

Edition: 1

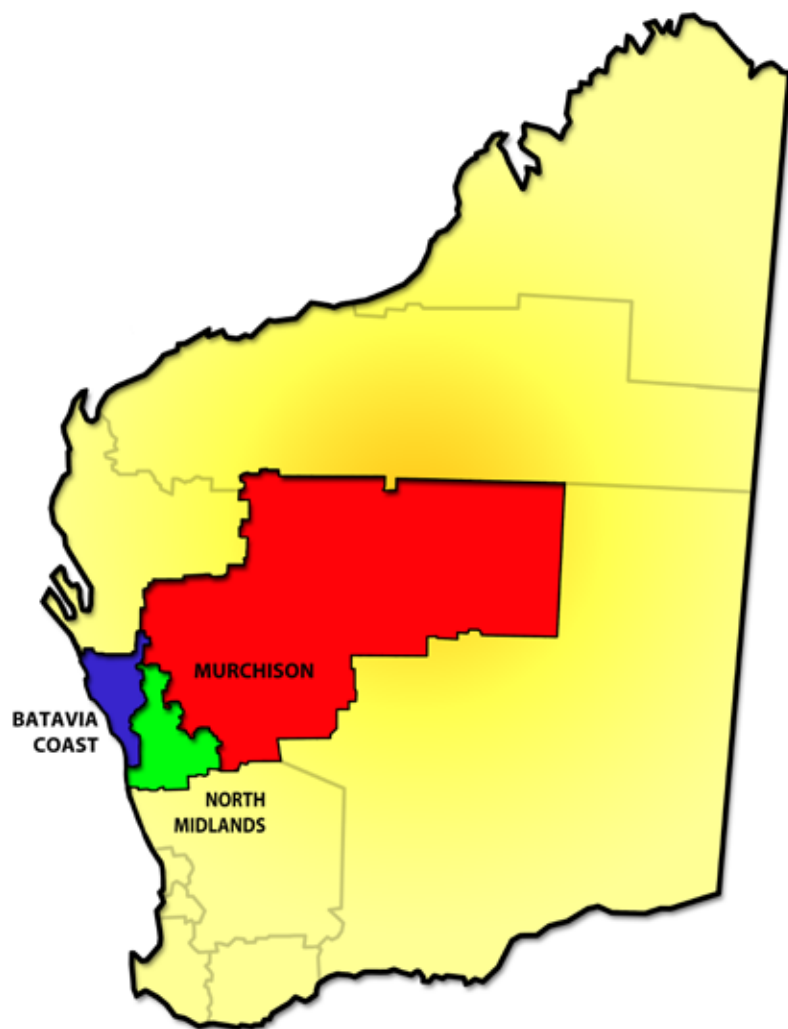
0 75 150  
Kilometres



DATA DICTIONARY		
THEME	SOURCE	DATE
Cultural	Landgate	March 2009
Transport	Landgate / DMP	September 2008
Hydrography	Department of Water	August 2009
Tenure	Department of Conservation	June 2008
LGA Boundaries	Landgate	December 2006
Important Resource Projects	DMP - Modified from MINEDEX Database	February 2009 January 2010



# THE MID WEST REGION



The Mid West covers around 470,000km<sup>2</sup> (including offshore islands) or nearly one-fifth of the area of Western Australia. The region extends along the west coast from Greenhead to Kalbarri and more than 800km east into the mineral rich hinterland. The current population is around 55,609 (ABS, June 2012).

Mining has long been a major contributor to the Mid West's economy, with significant current interest in the region's ample mineral resources (particularly iron ore). While the resources sector is significant, the region's economy also has valuable agriculture, fishing and tourism industries. Diversification and value adding across all sectors, combined with a strengthening of the region's strategic infrastructure and further development of its tourism potential, will ensure the Mid West's continued growth.

The region consists of 17 local government authorities, loosely categorised into three subregions as depicted on the adjacent map.

1. The Batavia Coast (blue) includes the City of Greater Geraldton and the Shires of Chapman Valley, Irwin and Northampton; comprising 84% of the Mid West population.
2. The North Midlands (green) includes the Shires of Carnamah, Coorow, Mingenew, Morawa, Perenjori and Three Springs.
3. The Murchison (red) includes the Shires of Cue, Meekatharra, Mount Magnet, Murchison, Sandstone, Wiluna and Yalgoo.

The amalgamated City of Greater Geraldton is the region's major commercial, administrative and service centre with an estimated resident population of 38,551 at 30 June 2011 (ABS, June 2012).

The region's estimated Gross Regional Product was around \$6.1 billion for the year 2010-11, representing around 2.8% of the State Gross Product.

## MID WEST DEVELOPMENT COMMISSION

### *Building the Mid West by:*

- Facilitating investment
- Promoting infrastructure development
- Providing information and advice
- Supporting community development
- Facilitating opportunities for local business
- Improving the level of, and access to, government services
- Promoting Aboriginal economic development
- Facilitating Royalties for Regions funding opportunities for the Mid West
- Developing export opportunities
- Encouraging natural resource management
- Developing SMART industry and infrastructure



Government of Western Australia  
Mid West Development Commission



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