



MID WEST MAJOR PROJECTS SUMMARY

MARCH 2019



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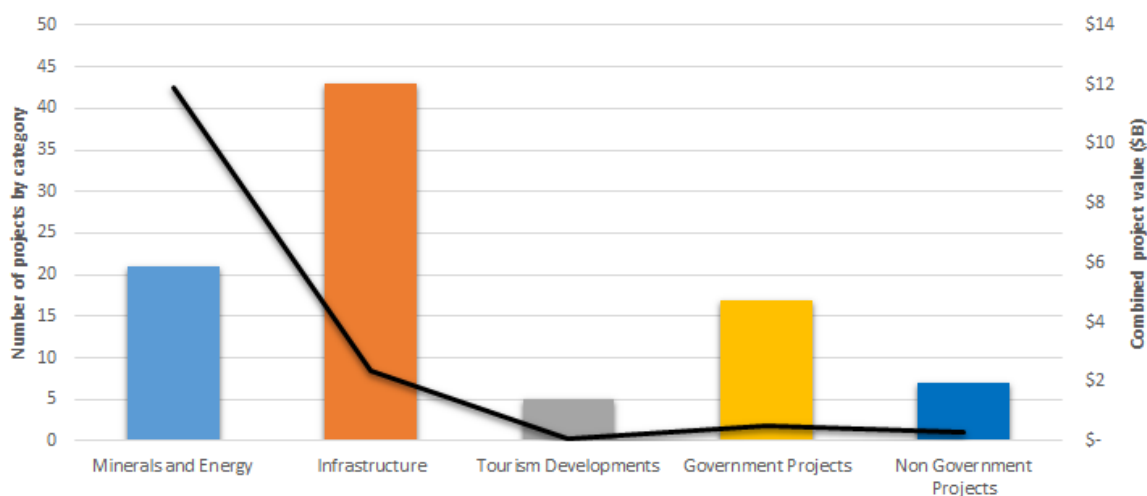
The Mid West Major Projects Summary is published periodically by the Mid West Development Commission, with support from the City of Greater Geraldton and various agencies and businesses to provide an indication of the level of development activity in the Mid West Region.

This edition of the Mid West Major Projects Summary contains information on 93 current projects with a combined construction value of more than \$15 billion, noting that capex values were not available for a several projects. This figure includes Mid West residential building approvals for 2017/18 valued at \$65 million (source: Department of Jobs, Tourism, Science and Innovation, 2019). The number and value of projects by category is illustrated in the graphs below.

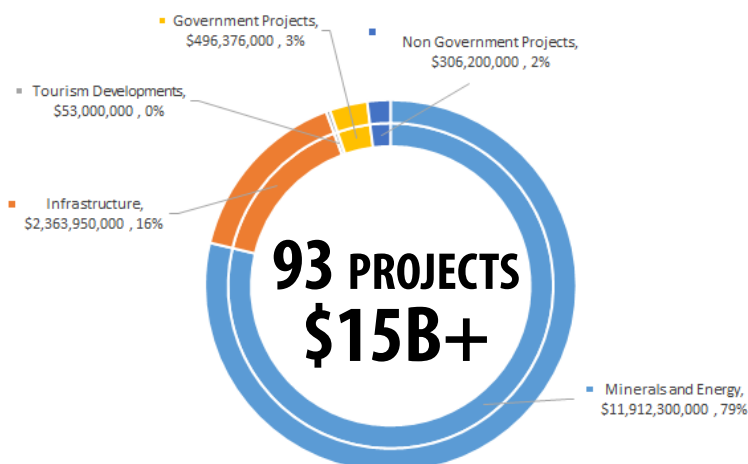
The information contained in this publication is indicative only. It is collected through the course of usual Commission activities, including liaison with project proponents. For more detailed project information please contact project proponents directly.

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) 9956 8555 or info@mwdc.wa.gov.au.

Number and Combined Value of Projects by Category



Approximate Value of Projects by Category



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THE MID WEST REGION OF WESTERN AUSTRALIA...

The Mid West region covers around 470,000km² (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 Estimated Resident Population (ERP) is 54,443 (source: ABS, 2017).

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 map below.

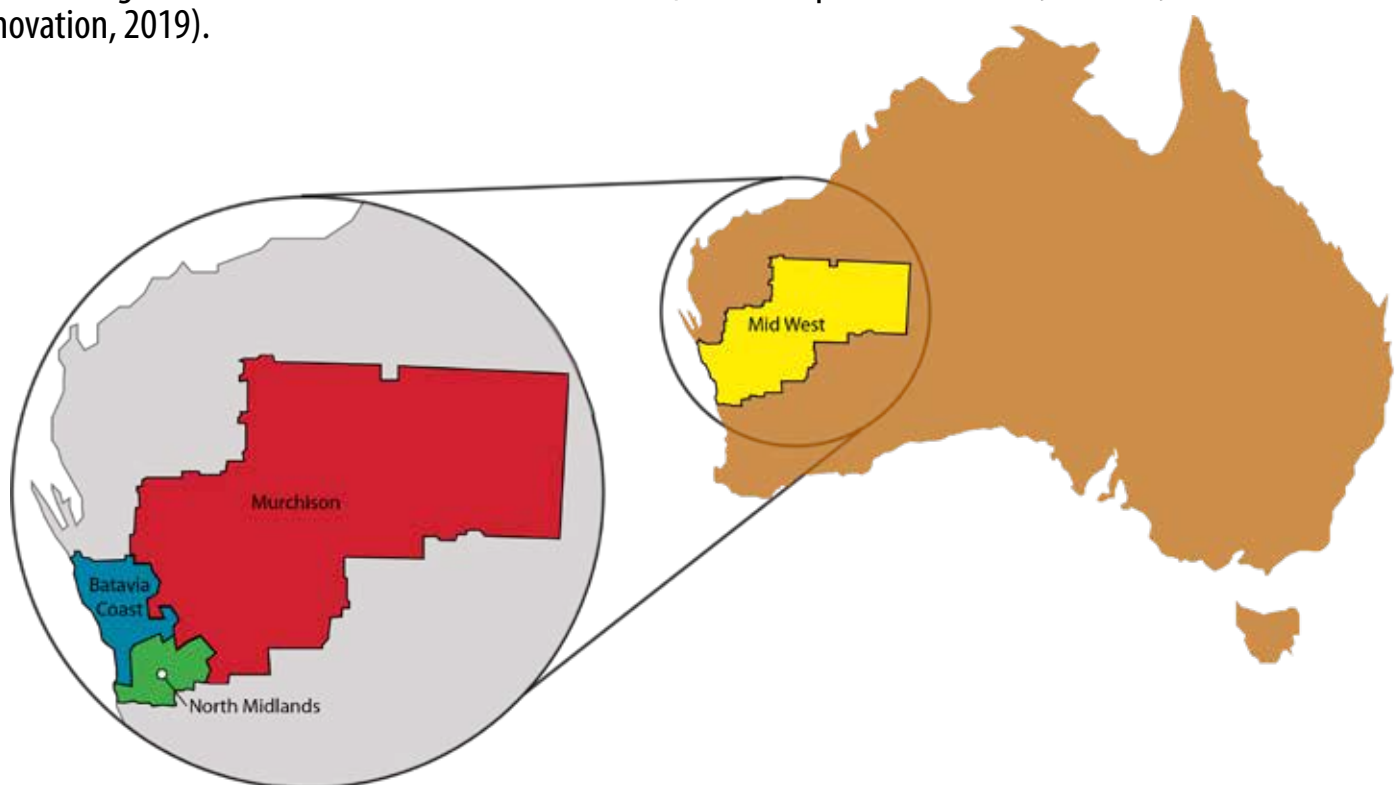
The **Batavia Coast (blue)** includes the City of Greater Geraldton and the Shires of Chapman Valley, Irwin and Northampton; comprising 84% of the Mid West population.

The **North Midlands (green)** includes the Shires of Carnamah, Coorow, Mingenew, Morawa, Perenjori and Three Springs.

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 ERP of 39,096 (source: ABS, 2017).

The estimated Gross Regional Product for the Mid West was around \$7.1 billion for the year 2017-18, representing around 2.8% of the State Gross Product (source: Department of Jobs, Tourism, Science and Innovation, 2019).





MINERALS AND ENERGY

GOLD

EganStreet Resources Ltd - Rothsay Gold Project

Resource: Gold

Cost: \$36M

Status: EganStreet is an emerging Western Australian gold company focused on the exploration and development of the 100%-owned Rothsay Gold Project near Perenjori. The Project currently hosts high-grade Mineral Resources of 401koz, at an average grade of 8.8g/t Au (Indicated 820kt @ 9.3g/t Au and Inferred 600kt @ 8.0g/t Au). It has a production target (Definitive Feasibility Study published 19 July 2018) of 2.1Mt mined and 1.4Mt processed at 6.9g/t Au for 250koz of gold produced. Current construction activity includes a 100man camp, non process infrastructure (offices, workshops, power generation) and a 200ktpa Hybrid CIL Process Plant.

Location: Perenjori, 75km E

Jobs – construction: 200

Jobs – operations: 150

Projected Annual Output: 60,000 ounces per annum

Projected Resource Life: 6.5 years

Construction Start: Q4 2018

Production Start: Q4 2019

www.eganstreetresources.com.au

Monument Mining - Murchison Gold Portfolio (Burnakura, Tuckanarra and Gabanintha)

Resource: Gold

Cost: \$15M

Status: Company intends to put the Burnakura Project into early stage production based on a positive internal economic study combined with a Front-End Engineering Design (FEED). Project ready for construction and now under review with underground potential. Off-site engineering design, refurbishment and procurement work were completed on long lead items, including delivering the crushing circuit to Burnakura site ready for assembly and installation. Other mine development activities include completion of a power strategy assessment, building the site power model, pit dewatering strategy assessment for early stage production, improved access road work program and wet lab development. Camp accommodations and catering are fully functional in readiness for Company personnel and mining contractors to commence on site. Preliminary Economic Assessment (PEA) program is ongoing.

Location: Burnakura (Meekatharra 50km S); Gabanintha (Meekatharra 40km SE); Tuckanarra (Cue 45km N)

Jobs – construction: Not stated

Jobs – operations: Not stated

Projected Annual Output: Plant capacity 260,000tpa

Projected Resource Life: Not stated

Construction Start: Not stated

Production Start: Not stated

www.monumentmining.com

Sandstone Operations Pty Ltd (a wholly owned subsidiary of Middle Island Resources Limited - Sandstone Gold Project)

Resource: Gold (527,000oz)

Cost: \$10.3M

Status: Pre-development; building the resource inventory and grade profile prior to a recommissioning decision.

Location: Sandstone, 12km S

Jobs – construction: Approx 100

Jobs – operations: Approx 80 per swing

Projected Annual Output: 25,000 – 80,000oz

Projected Resource Life: Initially ~5 years, with opportunity to extend an additional 10 years with further exploration/consolidation

Construction Start: H2 2019

Production Start: 4mths following construction start

www.middleisland.com.au

Vango - Marymia Gold Project (formerly the Plutonic Dome Gold Project)

Resource: Gold

Cost: Not stated

Status: Vango Mining is focused on developing its 100% owned Marymia Gold Project into a significant, long term high-grade gold mining operation supported by a standalone processing plant. The Project has extensive infrastructure in place, including a fully operational onsite camp, operating airstrip, core farm and road access to and within the project area. The Project is currently in pre-development phase with feasibility studies expected to be delivered later in 2019.

Location: Meekatharra, 300km NE (in the Marymia Greenstone Belt)

Jobs – construction: Not stated

Jobs – operations: Not stated

Projected Annual Output: Not stated

Projected Resource Life: Not stated

Construction Start: Not stated

Production Start: Not stated

www.vangomining.com



HEMATITE

Sinosteel Midwest Corporation - Blue Hills / Mungada East

Resource: Hematite

Cost: \$25M

Status: Received environment ministerial approval Dec 2018, now progressing with secondary government approvals. Propose to construct and operate a hematite mine pit, waste dump, processing facility and haul roads.

Location: Morawa, 80km E

Jobs – construction: 100

Jobs – operations: 100

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

Projected Resource Life: 3 years – additional hematite resources subject to further environmental approval

Construction Start: 2019

Production Start: 2019

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: 1,100

Jobs – operations: 850

Projected Annual Output: 15Mt hematite ore

Projected Resource Life: 15 years

Construction Start: Not stated

Production Start: Not stated

www.smcl.com.au



LEAD

Galena Mining - Abra

Resource: Lead

Cost: \$154M

Status: Galena is conducting engineering and mine optimisation work, comprising underground mine development, a processing plant (concentrator), surface infrastructure, tailings storage facilities and other improvements. This is focused on a low-capex, high-grade mindset concentrating on the high-grade resource component of the deposit, for shipping and treatment overseas.

Location: Meekatharra, 200km N

Jobs – construction: Maximum 290 for one month (220 normally)

Jobs – operations: 220

Projected Annual Output: 120,000 tonnes of PbS concentrate based on mining 1.2Mtpa

Projected Resource Life: 15 years

Construction Start: Q3 2019

Production Start: Q1 2020

Rosslyn Hill Mining - Paroo Station Lead Mine

Resource: Lead Carbonate

Cost: \$209M

Status: Rosslyn Hill Mining plans to construct a new hydrometallurgical facility at the existing Paroo Station concentrator flotation plant to produce lead ingots - eliminating the need to transport lead carbonate concentrate to overseas smelters. A pilot plant has already been developed to test the hydrometallurgical facility, which leaches lead from the concentrate with acid and electrowinning collects the lead onto cathodes that are melted down to ingots. A Definitive Feasibility Study is being finalised, with a Financial Investment Decision expected by the end of Q1 2019. Final commissioning and mine start-up is scheduled for Q3 2020.

Location: Wiluna, 30km W

Jobs – construction: Up to 200

Jobs – operations: Estimate 230

Projected Annual Output: 70,000 tonnes of lead metal ingots

Projected Resource Life: 15 years minimum

Construction Start: Q2 2019

Production Start: Q3 2020

www.rosslynhillmining.com.au

MAGNETITE

Asia Iron Australia - Extension Hill Magnetite Project

Resource: Magnetite

Cost: \$3B

Status: Environmental approvals for 10Mtpa 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. Enhancement Feasibility Study was completed in April 2014.

Location: Perenjori, 85km E

Jobs – construction: 2,200

Jobs – operations: 600

Projected Annual Output: 10Mt magnetite concentrate

Projected Resource Life: 20 years (stage 1)

Construction Start: Not stated

Production Start: Not stated

www.asiairon.com.au

Athena Resources - Byro FE1 Project

Resource: Magnetite - 22.8Mt (High Purity (HPFe) and Super Purity SPFe))

Cost: \$250M

Status: Currently working through mining approvals and associated work permit process including stakeholder / community engagement and social and environmental impacts. Works being undertaken onsite are level 2 flora and fauna assessments to enable completion of a mining proposal and mine closure planning. Also undertaking geotechnical and encryption drilling to detail pit design parameters and more detailed resource definition including internal dilution controls for financial forecasts. Athena Resources is currently working towards approvals as required by the Department and in that process removing risk to the funder. At present the funder has not committed to the required capex but is supporting the development towards de-risking this Project.

Location: Murchison, 60km N of the Murchison Settlement (Byro Station)

Jobs – construction: 60

Jobs – operations: 140

Projected Annual Output: Initial feed input 1,700,000tpa producing a primary concentrate output 500,000tpa ramping up to a feed input of 4,000,000tpa producing 1,200,000tpa concentrate

Projected Resource Life: 8 years

Construction Start: Q4 2020

Production Start: Q4 2021

www.athenaresources.com.au

FI Joint Venture (FIJV) - Yogi Magnetite Iron Ore Project

Resource: Magnetite

Cost: \$550M

Status: The Yogi Mine Project is a magnetite iron ore, bounded iron formation, open pit mine. Construction of a 5Mtpa magnetite iron ore processing plant is proposed, with mining, processing and associated infrastructure. It also proposed to include a magnetite slurry pipeline to the Geraldton port, a return water pipeline and a gas supply pipeline from the Dampier to Bunbury Natural Gas Pipeline. The Yogi Mine Project is a pit-to-port project, covering all stages from exploration and resource estimation to full construction, production and export of the product via Geraldton Port.

Location: Yalgoo, 15km NE

Jobs – construction: Not stated

Jobs – operations: Not stated

Projected Annual Output: 5Mtpa

Projected Resource Life: 21 years

Construction Start: Mid 2020

Production Start: 2023

www.fjv.com.au



NICKEL AND COBALT

EV METALS Group plc - EV Metals Ni Co Project

Resource: Nickel and Cobalt

Cost: US\$1.5B (Approx AUD\$2.18B)

Status: Production of high purity nickel sulphate and cobalt sulphate for rechargeable batteries and storage facilities for renewable energy from mining and processing Range Well Ni Co resources. Open pit mining - with beneficiation and High Pressure Acid Leach (HPAL) plant and facilities for processing.

- **Range Well Ni Co Resources** - Inferred Mineral Resources of 385.3Mt at 0.64% Ni, 0.04% Co, 0.78% Cr and 19.7% Fe at a cut-off grade of 0.5% Ni. The Range Well Ni Co Resources contain the largest inventory of Ni and Co in a single iron oxide – silica deposit in Australia.
- **Range Well Chromium Resources** - Inferred Mineral Resources of 63.5Mt @5.22% Cr, 0.38% Ni, 0.04% Co and 35.4% Fe at a cut-off grade of 4% Cr. The Range Well Chromium Resources are the largest undeveloped deposit of chromium in Australia.

Preliminary Feasibility Study due 2019. Definitive Feasibility Study due 2020.

Location: Cue, 65km NW

Jobs – construction: 2000

Jobs – operations: 250-300

Projected Annual Output: 25,000tpa Ni in sulphate and ~2,500tpa Co in sulphate

Projected Resource Life: 25 years

Construction Start: 2021

Production Start: 2023

www.evmetalsgroup.com

SULPHATE OF POTASH

Kalium Lakes - Beyondie

Resource: Sulphate of Potash

Cost: Stage 1 - \$159M; Stage 2 - \$125M

Status: The Beyondie Sulphate of Potash Project (BSOPP), comprises 15 granted exploration licences, two mining leases and several miscellaneous licence covering an area of approximately 2,400 square kilometres. This sub-surface brine deposit will supply an evaporation and processing operation located 160 kilometres south east of Newman. Approaching Final Investment Decision with approval in Q1 2019 of a \$74M long term debt facility from the Northern Australia Infrastructure Facility (NAIF) to enable construction of a 78km pipeline, gas fired power station, roads, communications infrastructure, airstrip and accommodation village.

Location: Meekatharra, 350km NE

Jobs – construction: 100

Jobs – operations: 120

Projected Annual Output: Starts with a commercial demonstration scale 82ktpa SOP operation, before ramping up to a 164ktpa full scale SOP production facility

Projected Resource Life: 30-50 years

Construction Start: Q2 2019

Production Start: 2020

www.kaliumlakes.com.au

Salt Lake Potash - Goldfields Salt Lakes Potash (GSLP)

Resource: Sulphate of Potash

Cost: Not stated

Status: The Company plans to produce the premium product Sulphate of Potash (SOP) from extracting hypersaline brine from salt lakes, transporting the brine in a series of solar evaporation ponds to produce potassium-rich harvest salts which can then easily be converted in SOP for the domestic and international markets. The Company's long term plan is to develop an integrated SOP operation, producing from a number (or all) of the lakes within the GSLP, after confirming the technical and commercial elements of the Project through construction of a 50,000tpa Demonstration Plant (\$49M) at Lake Way (stage 1), before increasing production to 400,000tpa in stage 2.

Location: Nine large salt lakes across the eastern Mid West and northern Goldfields regions.

Jobs – construction: Not stated

Jobs – operations: Not stated

Projected Annual Output: 10Mtpa

Projected Resource Life: 25 years

Construction Start: H1 2019

Production Start: Not stated

www.saltlakepotash.com.au



TUNGSTEN

Tungsten Mining - Mount Mulgine

Resource: Tungsten

Cost: Not Stated

Status: The project is poised for development, having completed an engineering phase focused on flowsheet definition and advanced assessment of regulatory approvals. The company is designing a package of infrastructure that includes crushing, ore sorting, gravity concentrator and a flotation circuit. The throughput capacity of the plant has been based on 450,000tpa, with the company also assessing the viability of large scale activities at Mulgine (nominally +2Mtpa).

Location: Perenjori, 80km E

Jobs – construction: 70

Jobs – operations: 50

Projected Annual Output: 2,000 tonnes of tungsten concentrate

Projected Resource Life: 5 years

Construction Start: 2019

Production Start: 2019

www.tungstenmining.com

URANIUM

Cameco Australia - Yeelirrie Uranium Project

Resource: Uranium

Cost: \$580M - \$1,077M

Status: On Hold. Currently in Care and Maintenance. Expenditure planned for construction of the project, including camp, access roads, all plant and minesite infrastructure, roads, bore fields, plant and equipment. Resource estimated at 57,740 tonnes of uranium oxide concentrate (U3O8 equivalent).

Location: Wiluna, 75km SW

Jobs – construction: 31-560

Jobs – operations: 230-410

Projected Annual Output: Average annual production of 3,850 tonnes of uranium oxide concentrate

Projected Resource Life: 15 years mining and processing

Construction Start: Not stated

Production Start: Not stated

www.camecoaustralia.com/projects/yeelirrie

Toro Energy - Wiluna Project

Resource: Uranium

Cost: \$315M

Status: Toro's Wiluna project includes deposits at Centipede, Millipede, Lake Maitland, Lake Way, Dawson Hinkler and Nowthanna. Toro has successfully completed a trial mine and a comprehensive metallurgical test work program including a pilot plant trial. Planned capital investment focusses on Millipede and Lake Maitland, including power, water source and supply facilities, access and haul roads and waste management facilities (including for tailings). Toro proposes an alkaline agitated leach technique to process the ore, which will be crushed and ground before being heated to 90°C in a highly alkaline liquid to separate the uranium from the solid in a multi-step process. The uranium is converted back to solid form (precipitated) from the solution, with the end product (uranium oxide concentrate) packed into sealed drums for transport to South Australia. Toro is currently investigating opportunities presented by the unique geology of the Lake Maitland deposit to reduce the operating costs associated with processing the ore from that deposit.

Location: Wiluna, 30km S

Jobs – construction: 350

Jobs – operations: 170

Projected Annual Output: 1.3Mt uranium oxide concentrate (yellowcake)

Projected Resource Life: Approx 20+years

Construction Start: Not Stated

Production Start: Not stated

www.toroenergy.com.au



VANADIUM

Atlantic Pty Ltd - Windimurra

Resource: Vanadium

Cost: \$127M capital cost to restart the project

Status: The facility is currently in care and maintenance. However, Atlantic Pty Ltd is undertaking final detailed engineering ahead of the commencement of construction activities in 2019, with a view to restarting commercial production of vanadium pentoxide in mid-2020.

Location: Mount Magnet, 80km SE

Jobs – construction: 130

Jobs – operations: 130

Projected Annual Output: Targeting 7,700 tonnes per annum of vanadium pentoxide flake (V2O5)

Projected Resource Life: Initial project life of 27 years based on reserves of 55 million tonnes at 0.49% V2O5 with potential to extend significantly based on JORC compliant vanadium resources of 235 million tonnes at 0.47% V2O5

Construction Start: Q2 2019

Production Start: Q2 2020

www.atlanticptyltd.com.au

Australian Vanadium - Gabanintha Project

Resource: Vanadium

Cost: \$500M +/-35%

Status: Currently finalising a Pre-Feasibility Study (PFS) of the Gabanintha vanadium project. On successful completion of the PFS, the company will make a decision regarding progressing the project to completion of a Definitive Feasibility Study), funding requirements and advancing towards production at Gabanintha.

Location: Meekatharra, 43km S

Jobs – construction: Peak estimate 500-650

Jobs – operations: Estimate 200-250 (direct only)

Projected Annual Output: Approximately 22.5 million pounds of V2O5 per annum (10,100tpa)

Projected Resource Life: Initial 17 year mine life

Construction Start: 2020

Production Start: 2022

www.australianvanadium.com.au

VANADIUM AND TITANIUM

Neometals (through Australian Titanium Pty Ltd) - Barrambie Vanadium-Titanium-Magnetite Project

Resource: Vanadium and Titanium

Cost: \$629M +12.5% and -10.9% (90% confidence range)

Status: Neometals is updating its 2009 DFS and evaluating a range of processing options for a staged Barrambie development. Phase 1 contemplates extraction of the high vanadium Central Bands and/or the high-titanium Eastern Band, onsite crushing and screening before being processed into concentrates offshore (DSO option). Early revenues from toll concentrate sales to processors in China could provide capital to pursue integrated onsite vanadium concentrate (Phase 2) and chemical production via a standard salt roast leach process (either vanadium pentoxide flake (99% V2O) and / or Ferrovandium (FeV).

Location: Sandstone, 80km NW

Jobs – construction: 100

Jobs – operations: 120

Projected Annual Output: 11,200tpa Vanadium Pentoxide or 7,700tpa FEV80

Projected Resource Life: 12 years +

Construction Start: 2020 (subject to Final Investment Decision)

Production Start: 2022 (subject to Final Investment Decision)

www.neometals.com.au

Technology Metals - Gabanintha

Resource: Vanadium and Titanium

Cost: \$380M

Status: Company has secured funds to advance its Definitive Feasibility Study (DFS), which is due for completion mid-2019. The outcome of the DFS will confirm the optimal processing route, mining, manning levels and construction implementation plan. The study will also provide an updated estimate of capital expenditure required to the develop the project and the timeline for receipt of approvals and commencement of construction.

Location: Meekatharra, 45km S

Jobs – construction: Estimate 400+

Jobs – operations: Estimate 200

Projected Annual Output: 12,000 to 13,000 tonnes per annum of V2O5 (vanadium pentoxide)

Projected Resource Life: 13 years

Construction Start: Mid 2020, subject to environmental approvals and receipt of all necessary permits. To be confirmed in the current definitive feasibility study.

Production Start: Mid-late 2021, subject to estimated construction start. To be confirmed in the current definitive feasibility study.

www.tmtlimited.com.au







Beresford Foreshore Coastal Protection and Enhancement Project

INFRASTRUCTURE

PROJECT STATUS

Planning	The project has progressed significantly from the conceptual stage but it is not yet committed to proceed
Committed	The project is committed to proceed
Construction	The project is under construction
Complete	The project has reached practical completion

COASTAL PROTECTION

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

Cost: \$14.1M

Status: Completed

Location: Geraldton

Details: As a result of erosion along the 2km Beresford Foreshore, a new groyne extension, detached breakwater and three stone revetments were constructed to protect public and private infrastructure along Chapman Road. The groyne extension and detached breakwater enabled the creation of an expanded Midalia Bay beach area. Around half of the project comprised landscaping and amenity works to create a highly desirable and accessible coastal attraction, including lookouts, shade, seating, showers, ablutions, footpaths, water fountains, beach access, BBQs, extensive planting, public art and areas for pop up businesses.

Construction Start: Q1 2017

Construction Complete: Q1 2018

www.cgg.wa.gov.au

COMMUNICATIONS

Shire of Murchison - Murchison fibre spur

Cost: \$4M

Status: Planning

Location: Murchison Settlement

Details: Planned connection of the Murchison Settlement to the dedicated SKA fibre to provide high speed connectivity within the Settlement.

Construction Start: 2020

Construction Complete: 2021

State Government - Regional Telecommunication Project (RTP) Round 4

Cost: Mid West component still unknown (\$25M nationally)

Status: Planning - Applications under competitive assessment

Location: Mid West

Details: New round of funding for regional mobile phone towers. Applications currently being competitively assessed, with Round 4 rollout expected to commence early 2019. Additional information about Round 4 available on Mobile Black Spot Program's FAQs page.

Construction Start: 2019

Construction Complete: 2020

www.minister.communications.gov.au/minister/bridget-mckenzie/news/more-time-apply-round-4-mobile-black-spot-program

State Government - Regional Telecommunication Project (RTP) Rounds 1 & 2

Cost: Approx \$30M Mid West component (with additional State, Commonwealth and private contributions)

Status: Completed

Location: Mid West

Details: 30 new mobile phone towers constructed across Rounds 1 & 2 of the project in the Mid West, 12 of which were completed in 2018.

Construction Start: 2016

Construction Complete: 2018

State Government + Logic IT Solutions. - Digital Farms Program

Cost: \$3M

Status: Construction

Location: Chapman Valley, Northampton, Irwin, Perenjori, Three Springs, Morawa, Coorow, Carnamah

Details: Cross-region, State government subsidy to deliver business-grade Internet services to primary producers in the WA Grainbelt. Services are progressively being rolled out across participating Mid West agricultural areas.

Construction Start: Q3 2018

Construction Complete: Q2 2020

www.agric.wa.gov.au/r4r/digital-farm-grants-program-closed

US Government - Communications US satellite upgrades

Cost: \$6-9M

Status: Funding committed

Location: Geraldton

Details: Electronics building.

Construction Start: Q4 2018

Construction Complete: H1 2020

WA SuperNet consortium (ARC Infrastructure, CBH Group, Central Midlands Innovations, Inc.) - SuperNet

Cost: \$150M

Status: Planning - Seeking feasibility study funding

Location: Regional

Details: Wholesale broadband backhaul network that will provide competitive, affordable digital connectivity to regional retail service providers across the Mid West and Wheatbelt.

Construction Start: Q3 2019

Construction Complete: 2022



ENERGY

AWE / Mitsui and Origin Energy - Waitsia Gas Farm

Cost: Not Stated

Status: Planning - Subject to investment decision by new owner Mitsui corporation (private company)

Location: Dongara

Details: The nationally significant Waitsia Gas Field was discovered in 2014 and remains a key focus for Mitsui following its recent acquisition of AWE. The project expected to provide significant economic benefit to the Midwest region since the field is forecast to produce approximately ten percent of Western Australia's daily domestic gas consumption over ten years. Prior to the acquisition AWE construction was planned to commence in the third quarter of 2018, with first gas sales in 2020. Meanwhile, AWE will continue producing gas from Waitsia Stage 1A and progressing the decommissioning and rehabilitation project.

Construction Start: Subject to Final Investment Decision

Construction Complete: 2020

www.mitsui.com

Bright Energy Investments - Greenough River Solar Farm Stage 2

Cost: \$60M

Status: Construction

Location: Greenough

Details: The existing 10MW facility will see a 30MW expansion to 40MW, to increase the current 23 GWh per annum output by an additional 89.7 GWh pa. The existing project was opened on 10 October 2012. Funding for the expansion project has been sourced entirely from the private sector with investment from European and domestic institutional investment funds into Synergy's Bright Energy investment vehicle.

Construction Start: 2018

Construction Complete: Mid 2019

www.brightenergyinvestments.com.au/Greenough-Solar-Farm



Bright Energy Investments - Warradarge Wind Farm

Cost: \$500M

Status: Vestas appointed as lead contractor

Location: Eneabba, 15km SE (Warradarge)

Details: The 180 Mega Watt, 51 turbine wind farm could produce electricity to power an estimated 135,000 West Australian homes.

Construction Start: Q1 2019

Construction Complete: Q4 2020

www.brightenergyinvestments.com.au/Warradarge-Wind-Farm

CSIRO - Murchison Radio Astronomy power station Stage 2 renewable expansion

Cost: \$11M

Status: Completed

Location: Murchison Radio-astronomy Observatory (Boolardy Station) - Murchison, 75km NE

Details: Construction of a 1.6 MW solar array and 2.5 MWh lithium-ion storage battery, 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). Combined with Horizon Power's Stage 1 power station, the plant provides a peak load of 1.1 megawatts at high renewable penetration.

Construction Start: 2015

Construction Complete: 2018

www.csiro.au

Tersum Energy and Geraldton Community Energy - Geraldton Community Energy project

Cost: \$50M

Status: Geraldton Community Energy (GCE) is now incorporated and in the customer acquisition phase. GCE has begun the approval process for an electricity retail licence.

Location: Geraldton

Details: After a concerted push by the foundation steering committee, Geraldton Community Energy (GCE) was incorporated in Q4 2018 and continues to work with its generation partner, Tersum Energy, to progress through the start up phase to become a local community energy retailer. As its local customer base expands it will progressively activate local, renewable generation as part of the wider distributed energy resource (DER) revolution. Using a mixture of cleaner technologies, they will provide energy solutions for households and business through a locally incorporated and operated entity aiming to provide competitive, renewable, locally generated power. Targeting 35MW on aggregate across the community.

Construction Start: 2017 (GCE Steering Group formed)

Construction Complete: Not stated

www.tersumenergy.com

Three Springs Solar Pty Ltd - Three Spring Solar

Cost: \$160M

Status: On hold pending access regime reforms

Location: Three Springs, 2km NE

Details: Three Springs Solar is proposing to construct and operate a 100MW solar photovoltaic power station on Lots M761-M764 and Lot 50 Bruce Road, approximately 2km north east of the Three Springs Townsite. The sites are predominately cleared farm land and no vegetation clearing is proposed.

Construction Start: 2020

Construction Complete: 2025

www.epa.wa.gov.au/proposals/three-springs-solar-farm

Tidal Energy Pty Ltd - Kalbarri Concentrated Solar Thermal Project

Cost: Stage 1 - \$30M; Stage 2 - \$30M

Status: Conditional on financing, network access and local development approvals - Pending foundation funding approval from ARENA

Location: Kalbarri

Details: Targetting 1MW (5MW subsequently). Conditional on financing, network access and local development approvals achieved.

Construction Start: Subject to funding

Construction Complete: Subject to funding

Western Power - Geraldton Distribution System Reinforcement Program

Cost: \$22M

Status: Construction

Location: Geraldton

Details: Western Power has commenced the process of upgrading the Rangeway substation and transferring the existing Durlacher substation load. This will result in an increase in available distribution capacity in the central Geraldton area including the CBD and port. This upgrade will increase local network capacity to accommodate load growth (based on current load forecasts) in the CBD and port areas, removing localised capacity constraints at existing substations in the Geraldton network. The new transformer at Rangeway substation is expected to be now energised in early 2019 and the Durlacher substation expected to be decommissioned by late 2019. It should be noted that transmission network constraints exist under certain conditions, which may be resolved by other Western Power transmission projects.

Construction Start: 2017

Construction Complete: 2019

www.westernpower.com.au

Western Power - Kalbarri Microgrid

Cost: \$7M

Status: Construction

Location: Kalbarri

Details: Set to be one of the most advanced micro-grids in Australia, the Kalbarri micro-grid includes a 4.5 megawatt hour battery system, combined with renewable energy from residential rooftop solar, a local wind farm and grid supply. The design allows for future renewable generation sources to be integrated as they become available. At 5MW, it will be one of Australia's largest micro-grids to run in complete renewable mode, which means it can draw energy solely from the connected wind farm and feed-in from residential rooftop solar panels.

Construction Start: Q1 2019

Construction Complete: Q3 2019

www.westernpower.com.au

Western Power - Mid West Energy Project Northern Section

Cost: Not Stated

Status: On hold - No current business case

Location: Three Springs to Geraldton

Details: This significant project would involve replacement of transmission infrastructure north of Three Springs extending the Mid West Energy Project (MWEP) (Stage 1), which delivered upgrades between Neerabup and Three Springs. MWEP Northern Section is proposed to meet long term significant expansion of electricity demands (load) in the Mid West. Sources of growth could be a combination of:

- Underlying natural load growth in the Geraldton region;
- Stepwise expansion of load growth from possible new port construction, industrial estate developments at Oakajee or other significant increases to energy load in the Geraldton area;
- Load growth at Mid West Ports;
- Or other new significant generation seeking connection to the grid; and

Given the significant cost, a detailed feasibility and compelling business case would be necessary to trigger investment.

Construction Start: Not stated

Construction Complete: Not stated

www.westernpower.com.au

Western Power - Mid West Energy Project Stage 2

Cost: Not Stated

Status: Subject to customer connections

Location: Neerabup to Three Springs

Details: Mid West Energy Project (MWEP) Stage 1 was completed in 2015 and is a double-circuit line with one circuit operating at 330kV and the other at 132kV. MWEP Stage 2 involves undertaking works to operate both circuits at 330kV. This may be required to accommodate significant generation and/or block loads seeking connection to the grid.

Construction Start: Not stated

Construction Complete: Not stated

www.westernpower.com.au



Mid West Energy Project (Western Power)

Western Power - Perenjori Battery Energy Storage

Cost: \$4.5M

Status: In execution - Now commissioned

Location: Perenjori

Details: Western Power has installed a 1 MWh battery on the outskirts of Perenjori to mitigate the intermittent outages experienced by the town, due to the long single line connection from Three Springs. The Battery Energy Storage System (BESS) trial is expected to eliminate around 80% of these outages. The battery will cover those on the Perenjori three phase High Voltage feeder line.

Construction Start: 2017

Construction Complete: Q3 2018

www.westernpower.com.au

Western Power - Standalone Power Systems (SPS) Round 1

Cost: \$8.8M

Status: Construction

Location: Mullewa and Pindar subregion

Details: Three contracts totaling \$8.8 million were awarded in February 2019 to design, procure, install and maintain 57 SPS across regional WA. Seven units are to be installed in the Mullewa area. Each unit supplies a single customer. The seven properties are currently serviced by 36km of overhead line which would ideally be removed after required changes to regulations. These SPS are expected to be installed and commissioned during the second half of 2019.

Construction Start: 2019

Construction Complete: 2019

www.westernpower.com.au



OAKAJEE

Department of Jobs, Tourism, Science and Innovation - Oakajee Development Project

Cost: To be confirmed - dependent on proponent needs

Status: Planning

Location: Oakajee, 23km north of Geraldton

Details: The Oakajee Development reflects the WA Government's commitment to using the Oakajee port site for a future port and industrial estate to support the continued development of the Mid West. The State Government owns over 6,000 hectares of land at the proposed Oakajee site, which includes a 1,000 hectare port site, 1,300 hectare industrial estate and a 4,000 hectare industrial estate buffer.

The Oakajee Development also includes the planned Oakajee Narngulu Infrastructure Corridor (ONIC) that will connect the Oakajee site with the Narngulu Industrial Estate, 12 kilometres south-east of Geraldton. The multi-purpose, multi-use infrastructure corridor contains sections dedicated for rail, road and utilities.

To provide improved planning certainty for a future port and industrial development at Oakajee, the Department of Jobs, Tourism, Science and Innovation (JTSI) is progressing long term and integrated planning agreements over the Oakajee Development areas.

As the Minister for State Development is the proponent for the Oakajee Development Project, JTSI is seeking an extension to the current port environmental approval for a further five years. This is currently being assessed by the Environmental Protection Authority.

The State Government remains committed to the development of the Oakajee port and industrial estate when there is sufficient demand and commercial interest.

Construction Start: Not stated

Construction Complete: Not stated

www.jtsi.wa.gov.au

LandCorp - Oakajee Strategic Industrial Estate

Cost: To be confirmed – dependent on proponent needs

Status: Project ready for future proponents

Location: Oakajee, 23km north of Geraldton

Details: The Oakajee Strategic Industrial Area is designed to accommodate downstream processing and heavy industrial uses, with access planned for future rail, port and other infrastructure if required. The site comprises a Strategic Industry Area (for heavy industrial uses) – 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 to a deep water port. The Buffer is a suitable area for large scale renewable energy production. A Structure Plan for the estate was endorsed by the Western Australian Planning Commission in April 2012.

Construction Start: Proponents will undertake own construction

Construction Complete: Proponents will undertake own construction

www.landcorp.com.au/project/oakajeeindustrialestate



TRANSPORT

CBH Group - Mid West Regional Port Zone infrastructure upgrades

Cost: \$21M

Status: Completed

Location: Geraldton, Perenjori, Carnamah

Details: Re-build of two existing storage facilities at Geraldton's West End. Addition of 64,000t open bulkhead storage and upgrades to grain in-loading equipment at Perenjori. Upgrades to in-loading equipment at Carnamah.

Construction Start: Q2 2018

Construction Complete: Q4 2018

www.cbh.wa.gov.au

City of Greater Geraldton - Geraldton Airport Upgrade

Cost: \$24M

Status: Construction

Location: Geraldton

Details: Planning and detailed design completed for the construction of a 2,700 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 Regular Public Transport (RPT) and charter airlines. Staged development is envisaged across 2-3 years.

Construction Start: Q4 2018

Construction Complete: Not Stated

www.cgg.wa.gov.au

Main Roads WA - Geraldton Bypass - Dongara to Northampton Corridor

Cost: \$500M - \$700M

Status: Planning

Location: Dongara to Northampton

Details: Determine an alignment that provides for the long term requirements for freight to improve the safety and efficiency.

Construction Start: Not stated

Construction Complete: Not Stated

www.mainroads.wa.gov.au



Main Roads WA - Goldfields Highway - Meekatharra to Wiluna

Cost: \$90M

Status: Planning

Location: Meekatharra-Wiluna

Details: Reconstruct gravel pavement and seal 8m wide along the remaining unsealed 124km. Long term goal is to achieve continuous two lane seal width between Meekatharra and Wiluna (180km), with an approach of staged construction of priority sections depending on level of funding. 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: Not stated

Construction Complete: Not Stated

www.mainroads.wa.gov.au

Main Roads WA - Hosken Street intersection

Cost: \$4.4M

Status: Completed

Location: Geraldton (Bluff Point)

Details: A roundabout was selected as the most appropriate treatment for the busy junction of North West Coastal Highway and Hosken Street, near Bluff Point. This roundabout will be built with four legs to include a new connection into Spalding, linking up with Horan Street. This additional connection will help facilitate an urban renewal program in Spalding, planned by the Department of Communities.

Construction Start: Q2 2018

Construction Complete: Q4 2018

www.mainroads.wa.gov.au

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

Cost: \$54M

Status: Planning

Location: Green Head to 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.

Construction Start: Q4 2012

Construction Complete: Undefined - project only partly funded

www.mainroads.wa.gov.au

Main Roads WA - Main Roads WA office redevelopment

Cost: \$12.1M

Status: Funding committed

Location: Geraldton

Details: New office facilities for Main Roads Mid West Region staff.

Construction Start: Q2 2019

Construction Complete: Q4 2019

www.mainroads.wa.gov.au

Main Roads WA - Midlands Road (Gunyidi to Irwin)

Cost: \$118M

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

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

Main Roads WA - Wubin Mullewa Road upgrade (Morawa-Mullewa)

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 - planning phase

Construction Complete: Undefined - planning phase

www.mainroads.wa.gov.au

Main Roads WA & Department of Jobs, Tourism, Science and Innovation - Square Kilometre Array Access Roads

Cost: \$35M

Status: Funding committed

Location: Mullewa-Boolardy (SKA site)

Details: Provide an efficient route for Square Kilometre Array (SKA) construction traffic and maintain safety for public road users. This includes upgrades to key structures (culverts, grids, intersection sealing) and maintaining the route during the construction period (including grading and targeted resheeting of gravel roads).

Construction Start: Q1 2019

Construction Complete: Duration of SKA construction period (estimated 4-5 years)

www.mainroads.wa.gov.au

Shire of Murchison - Ballinyoo Bridge

Cost: \$3.5M

Status: Construction

Location: Murchison Settlement

Details: Ballinyoo Bridge was built in the 1930s; the second concrete bridge constructed in WA. A new bridge was built to replace the original bridge (completed 2016), with additional works undertaken to seal the bridge approaches (near completion). 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: Q1 2019

www.murchison.wa.gov.au

Shire of Murchison - Murchison Settlement roads enhancements

Cost: \$25M

Status: Funding committed

Location: Murchison Settlement - south

Details: Sealing of the remainder of the Mullewa to Carnarvon Road between Mullewa and the Murchison Settlement; namely the 100km (approx) section between Ballinyoo Bridge and the Murchison Settlement.

Construction Start: 2019

Construction Complete: 2020

www.murchison.wa.gov.au

Shire of Northampton - Binnu West and Cliffs Roads upgrades

Cost: \$3.45M

Status: Construction

Location: Northampton, 20km W (Horrocks Beach)

Details: Widen and seal 9km of Binnu West Road and 13km of White Cliffs Road for community connectivity, tourists and to service the heavy haulage traffic on route to the grains receival facility in Binnu.

Construction Start: Q3 2015

Construction Complete: Q1 2019

www.northampton.wa.gov.au



WASTE

City of Greater Geraldton - Meru Waste Disposal Resource Recovery Facility

Cost: \$4.9M

Status: Committed (project mobilisation)

Location: Geraldton (Meru)

Details: Meru Waste Disposal Resource Recovery Facility

Construction Start: Q1 2019

Construction Complete: Q1 2019

www.cgg.wa.gov.au



WATER

Water Corporation - Allanooka Clearwater Tank with Aeration

Cost: \$13M

Status: Planning

Location: Allanooka

Details: Construct a new 15ML tank at Allanooka to ensure future reliability Geraldton and Dongara water supply.

Construction Start: Q4 2019

Construction Complete: Q3 2021

www.watercorporation.com.au

Water Corporation - Allanooka Fluoride Dosing Plant

Cost: \$3M

Status: Planning

Location: Allanooka

Details: Renew existing Fluoride dosing system to address reliability and compliance issues.

Construction Start: Q4 2019

Construction Complete: Q2 2021

www.watercorporation.com.au

Water Corporation - Geraldton Edward Road to Nanson Road Main

Cost: \$11M

Status: Construction

Location: Geraldton

Details: Construct 11km steel main from Edward Road pump station to Nanson Road tank to improve reliability of Geraldton water supply.

Construction Start: Commenced

Construction Complete: Q3 2018

www.watercorporation.com.au

Water Corporation - Geraldton South Glendinning Road Pump Station and Pressure Main

Cost: \$5M

Status: Planning

Location: Geraldton

Details: Pump station and pressure main upgrades to improve network capacity and address odour issues.

Construction Start: Q4 2018

Construction Complete: Q2 2020

www.watercorporation.com.au

Water Corporation - Geraldton South Willcock Pump Station Mechanical and Electrical and Pressure Main

Cost: \$4M

Status: Planning

Location: Geraldton

Details: Pump station and pressure main upgrades to improve network capacity and address odour issues

Construction Start: 2022

Construction Complete: 2023

www.watercorporation.com.au

Water Corporation - Murchison Towns Nitrate and Aesthetics

Cost: \$17M

Status: Construction

Location: Cue, Meekatharra, Mount Magnet and Sandstone

Details: Install Electro-Dialysis Reversal water treatment plants in each town to address nitrate removal and improve aesthetic water quality.

Construction Start: Commenced

Construction Complete: Q4 2020

www.watercorporation.com.au



Long table lunch - opening of new Ballinyoo Bridge (2016)



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 WA. The Commission is responsible to the Honorable Alannah MacTiernan MLA, Minister for Regional Development and Lands.

The Commission's vision is to:

- Deliver jobs and growth by providing coordinated State Government services for regional development utilising a client focused and collaborative approach in the traded economy and;
- To be recognised as a preferred region in which to live, work, study and invest.

The Commission has managed or supported a number of important economic and community based projects, which have produced key regional development outcomes for the Mid West. Some of those key projects and successes include the following.

- Through the Mid West Investment Plan, more than \$150 million has been allocated by MWDC to 38 key Mid West infrastructure projects across the region. A small selection of these includes:
 - Murchison Radio-astronomy Observatory power station (Murchison): \$10 million;
 - Batavia Coast Marina Stage 2 (Geraldton): \$3.86 million;
 - Geraldton Universities Centre Stage 2 buildings: \$3 million;
 - Wubin-Mullewa Road upgrade: \$10.8 million;
 - Goldfields Highway (Wiluna - Meekatharra) upgrade: \$10 million;
 - Building Better Regional Cities - Urban Expansion Project (Geraldton): \$13.97 million;
 - Ballinyoo Bridge replacement (Murchison): \$3.5 million;
 - Landor Road upgrade: \$3.0 million;
 - Kalbarri Skywalk and National Park infrastructure Northampton): \$20.033 million;
 - Beresford Foreshore Coastal Protection and Enhancement (Geraldton): \$12.757million; and
- The region's SMART Mid West policy and long term support for the Murchison Radio-astronomy Observatory and Australian Square Kilometre Array Pathfinder project (ASKAP), which underpinned Australia's successful bid to co-host the international SKA with Southern Africa.
- The Mid West Regional Blueprint, which helped set the development direction for the region and strengthen the link between planning and future investment.

- Through the State Government's Digital Farms initiative, innovative wireless enterprise grade Internet connectivity is being rolled out to numerous broadacre farms across the North Midlands, Chapman Valley and Northampton.
- The Mid West Indigenous Arts Industry Strategy, which initiated the establishment of the Wirnda Barna Art Centre in Mount Magnet and has supported the development of several others across the region.
- The Murchison Executive Group, which has strengthened relationships between Murchison local governments and supported Chief Executive Officers (CEOs) with resource sharing and other common operational matters.
- Recognition of the Shire of Morawa as one of WA's nine regional SuperTowns, which resulted in investment in key priorities to grow the economy and liveability in the town.
- The Geraldton foreshore redevelopment and Central Business District (CBD) revitalisation, which have transformed the regional centre's 'heart' and stimulated a range of significant new land developments and economic opportunities.
- Redevelopment of the Batavia Coast Marina (stages 1 and 2), which facilitated the development of the new WA Museum Geraldton, hotels, restaurants and diverse commercial and residential buildings. Stage 2 is ongoing with further expansions proposed.
- Establishment and growth of the Geraldton Universities Centre (GUC), which has become a recognised model for regional education across Australia. GUC offers 12 university courses in partnership with three Australian regional university partners, with 300 students currently studying and around 350 graduates since 2005.
- Two Yellow Tail Kingfish (YTK) trials at Champion Bay, which proved the commercial viability of the YTK production in Geraldton waters. This led to Indian Ocean Fresh Australia (IOFA) commercialising operations and Huon Aquaculture being announced as a new entrant at the Abrolhos Aquaculture Development Zone (ADZ). The ADZ was also an outcome of the successful YTK trials.
- Establishment of the Separation Point Marine Precinct, which includes the Batavia Coast Maritime Institute (BCMI) for aquaculture training and development. BCMI will soon be redeveloped to include a YTK nursery and an Australian Centre for Applied Aquaculture Research (ACAAR) presence.
- Establishment of a heavy boat lifting facility at the Geraldton fishing boat harbour, which supports numerous large commercial vessels in WA's northern waters that otherwise had to travel to Perth. The lifter also supports the operations of various marine support businesses in the region.
- Development of the Gascoyne Murchison Outback Pathways (GMOP), which has supported the growth of tourism in the subregion and is a precursor to other subregional tourism initiatives including an aspiring Geo Region to support geotourism and astro tourism.
- Planning for Oakajee deepwater port, industrial estate and Murchison rail, which has laid the foundation for the future development of key strategic infrastructure as required by new heavy industries.

These projects and others have enabled the Commission to deliver on its vision to have 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

Committed

Funding for the project has been committed

Construction

The project is under construction

Complete

The project has reached practical completion

AGED CARE

Shire of Irwin - Dongara Age Appropriate Accommodation Facility

Cost: \$4.8M

Status: Construction

Location: Port Denison

Details: The Dongara ageing in place accommodation facility will provide a minimum of 10 two-bedroom Independent Living Units (ILUs) at 2 Henry Road, Port Denison. The units will be designed for people with disabilities and dementia and will be targeted to non-Indigenous persons aged over the age of 65 and Indigenous persons aged over 55. Funding has come from the State Government's Southern Inland Health Initiative and Aged Care Regional Accommodation Funding.

Construction Start: Q4 2018

Construction Completion: Q4 2019

www.irwin.wa.gov.au

COMMUNITY

WA Museum Geraldton - Museum redevelopment

Cost: \$20M

Status: Planning

Location: Geraldton

Details: Proposed extension and redevelopment of the Museum of Geraldton to create a world class visitor attraction in the Batavia Coast Marina, featuring the extraordinary stories of WA's Mid West region.

Construction Start: Not stated

Construction Completion: Not stated

www.museum.wa.gov.au/museums/museum-of-geraldton

EDUCATION AND TRAINING

Department of Education - Champion Bay Senior High School

Cost: \$20.6M

Status: Construction

Location: Geraldton

Details: Conversion from a Junior High School to a Senior High School (years 7-12) in 2019, with a change in name from John Willcock College. Upgrades include a new Student Services, Performing Arts and Music Facility, Materials Technology Facilities, Cafeteria and Staff Common room and alterations and refurbishment to the existing buildings.

Construction Start: 2017 Q3

Construction Completion: 2018 Q4

www.education.wa.edu.au

Department of Education - Geraldton Senior High School

Cost: \$5M

Status: Construction

Location: Geraldton

Details: Conversion from a Senior College to a Senior High School (years 7-12) beginning in 2019. Upgrades include alterations and refurbishment to the existing Administration Block, English Block, Home Economics Block, Design and Technology Building, Oval Ablutions Block, Demolition of the John Fewer Residential College and new transportable buildings on the school grounds for the Clontarf Football Academy.

Construction Start: Q1 2017

Construction Completion: Q4 2018

www.education.wa.edu.au



HEALTH

Department of Health / WA Country Health Services - Dongara Health Centre Redevelopment

Cost: \$7.56M

Status: Committed

Location: Dongara

Details: Refurbishment includes a contemporary Emergency Department, Ambulance bay, Emergency Telehealth Service videoconferencing facilities, multi-purpose Ambulatory Care consult rooms enabled with Telehealth, Palliative Care room and a group therapy room. It also includes an additional six Residential Aged Care beds, ensuites and support and communal areas.

Construction Start: Not Stated

Construction Completion: Not Stated

www.wacountry.health.wa.gov.au

Department of Health / WA Country Health Services - Geraldton Health Campus Redevelopment (Stage 1)

Cost: \$73.4M

Status: Funding committed

Location: Geraldton

Details: Funding announced in the 2018-19 State Budget for stage 1 of the redevelopment of Geraldton Health Campus will enable:

- An expanded emergency department and critical care unit;
- A 12 bed mental health acute psychiatric patient unit;
- A four bed short stay mental health unit; and
- Essential engineering service upgrades to the existing infrastructure.

Construction Start: H2 2019

Construction Completion: 2023

www.wacountry.health.wa.gov.au

Department of Health / WA Country Health Services - Mental Health Step Up / Step Down Facility

Cost: \$10.2M

Status: Funding committed

Location: Geraldton

Details: A purpose built 10 bed mental health facility and service - located off campus (Geraldton Health Campus).

Construction Start: H2 2019

Construction Completion: 2020

www.wacountry.health.wa.gov.au

Department of Health / WA Country Health Services - Mullewa Health Centre Redevelopment

Cost: \$6.056M

Status: Committed

Location: Mullewa

Details: The Mullewa Health Centre redevelopment includes a newly built custom designed building incorporating contemporary Emergency Department, Ambulance bay, Emergency Telehealth Service videoconferencing facilities, multi-purpose Ambulatory Care consult rooms enabled with telehealth and a group therapy room.

Construction Start: Not Stated

Construction Completion: Not Stated

www.wacountry.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

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; Central West TAFE, 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: Not stated

Construction Completion: Not stated

www.mwdc.wa.gov.au



LAND DEVELOPMENT

City of Greater Geraldton - Rocks Urban Laneway & CBD East End Revitalisation Project

Cost: \$6.7M

Status: Committed

Location: Geraldton

Details: The Rocks Laneway project creates a new major pedestrian connection from the city centre to the Foreshore. Whilst not being a competitor to existing retailers, the project will create a sequence of activated and managed spaces that will bring locals and visitors to the City Centre and encourage longer visitation both day and night. Development tenders have closed and this element will be proceeding with a forecast completion in late September. The remaining "East End Development" is subject to funding

Construction Start: Q1 2019

Construction Completion: Q4 2019

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 proposed 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



Land Corp - Batavia Coast Marina - Stage 2

Cost: \$3.86M

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 environmental investigations and remediation works. Development of the land will be subject to other public and private sector funding.

Construction Start: 2013

Construction Completion: 2019

www.landcorp.com.au

LandCorp - Lot 601

Cost: Not stated

Status: Planning and approvals

Location: Geraldton

Details: LandCorp, MWDC and the City of Greater Geraldton is seeking, via a Request for Proposal (RFP), an appropriately qualified and experienced developer to acquire Lot 601 to develop a world class mixed use development.

Construction Start: Dependent upon RFP process

Construction Completion: Not stated

www.landcorp.com.au

LandCorp & PRM - Bluff Point Project

Cost: Not Stated

Status: On hold

Location: Geraldton

Details: Subdivision of 8.4ha site spanning Bluff Point to Beresford to deliver approximately 86 single lots and two grouped housing sites for a total of approximately 100 new homes. Surrounded by heritage listed public open space that retains and preserves the historically significant 'Rail Cutting' as the sites former use accommodated both the Geraldton to Northampton and the Geraldton to Walkaway railway lines as well as the workers cottages.

Construction Start: 2023

Construction Completion: Not Stated

www.landcorp.com.au



PRIMARY INDUSTRIES

Department of Primary Industries and Regional Development - Geraldton Aquaculture Nursery

Cost: \$6M

Status: Planning

Location: Geraldton

Details: Establishment of an aquaculture nursery to service the growing finfish industry in the Mid West. Proposed to be co-located with the Batavia Coast Maritime Institute. The nursery will consist of modular tanks where juveniles will be grown in seawater circulating through its pipes, pumps, aeration and filtration systems in an under-cover building. The nursery's initial stage of development will likely comprise a single production module that is capable of producing approximately 80,000 50g juveniles of yellowtail kingfish (*Seriola lalandi*) per month. Over time, the nursery's operation will expand in tandem with demand for its marine finfish juveniles. Current stage – feasibility study and business case submitted for Cabinet consideration.

Construction Start: Q4 2019

Construction Completion: H2 2020

www.dpird.wa.gov.au

Department of Primary Industries and Regional Development - State Barrier Fence (Mid West component) and Murchison Hub Cell Fence

Cost: \$2.7M

Status: Construction

Location: Mount Magnet and Yalgoo

Details: 51km of State Barrier Fence northwest of Yalgoo was replaced by Aboriginal contractors in 2018. A further 100km is planned for replacement south of Yalgoo between 2019-2020, funded through the Wild Dog Action Plan.

The Murchison Hub cell sits within the larger Murchison Region Vermin Exclusion cell fence. It comprises 180km of wild dog fence, enclosing 227,101ha and encompassing all or part of Boogardie, Edah, Murrum and Munbinia stations. Pastoralists have already built 80km exclusion fence in addition to this construction. Project is part funded through the Wild Dog Action Plan (\$450,000), the remaining funds are made up by participating pastoralists.

Construction Start: 2018

Construction Completion: 2020

www.dpird.wa.gov.au

RADIO ASTRONOMY - RESEARCH

Department of Industry, Innovation and Science - Square Kilometre Array (SKA) Radio Telescope

Cost: €1.1Billion globally – with around \$300M to be spent on the Australian component.

Status: Planning

Location: Murchison Radio-astronomy Observatory (Boolardy Station) – Shire of Murchison

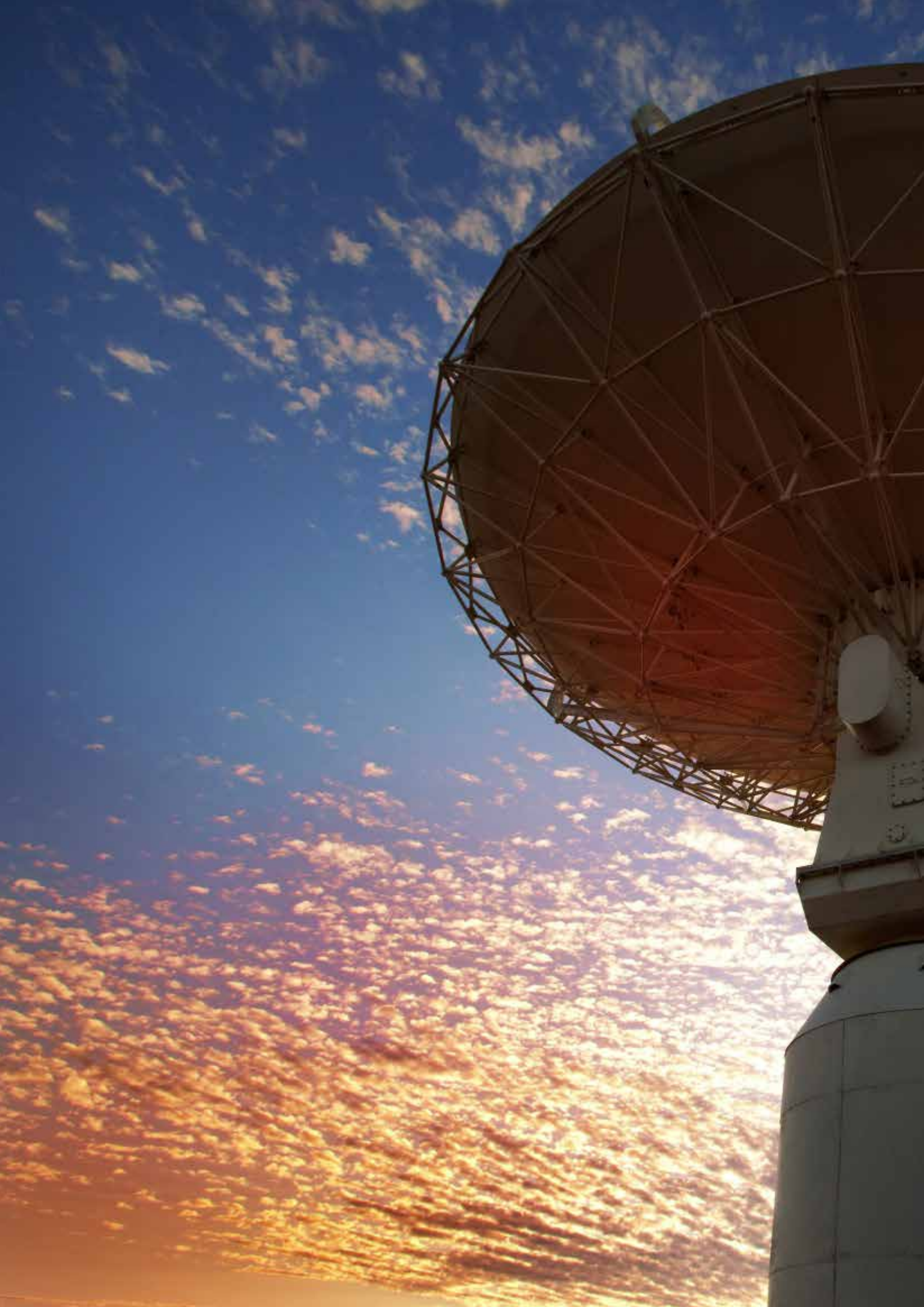
Details: The SKA is a mega-science project to develop the world's largest and most advanced radio telescope, with many times the resolution, sensitivity and survey speed of today's best instruments. In May 2012, the international funding partners recommended that infrastructure be shared between Australia and Southern Africa. The Mid West region will host a low frequency array comprising up to 130,000 antennas, while South Africa will host a 200 dish mid frequency array. The project is currently in its pre-construction design phase with construction expected to begin in late 2020. Industry is encouraged to join the Australasian SKA Industry Cluster (ASKAIC) to receive updates on procurement opportunities.

Construction Start: 2020

Construction Completion: 2025

www.ska.gov.au/ASKAIC









West Australian Octopus seafood processing facility

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

COMMUNITY

Geraldton Amateur Basketball Association - Eighth Street Basketball Stadium multi-use extension

Cost: \$3.5M

Status: Planning and approvals

Location: Geraldton

Details: Construction of four new indoor multi-use courts at the rear of the existing Eighth Street basketball stadium. The courts will be multi-user and permanently marked for basketball and netball, with extra court length and width to accommodate netball run off requirements.

Construction Start: Not stated

Construction Completion: Not stated

www.geraldtonbasketballassociation.com.au



PRIMARY INDUSTRIES

West Australian Octopus - Seafood processing facility

Cost: \$15.5M (to date)

Status: Construction

Location: Geraldton

Details: Directors fully funded the purchase of all octopus leases in Zone 1 (Shark Bay to Leeman), as well as the purchase and upgrade to the former James Bowes factory. This is now the largest dedicated processing facility of its kind in Australia. The company intends to catch and process octopus and other wild catch species for processing at the Geraldton factory, generating an estimated 30-40 new jobs. This includes high capacity live holding tanks, large scale cooking operations and high capacity freezing and storage facilities. There are also plans to relocate South African interests (Falcon Seafoods) to Geraldton.

Construction Start: Q1 2018

Construction Completion: Ongoing

www.westaustrianoctopus.com



RADIO ASTRONOMY - RESEARCH

Capricorn Space - Australian Ground Network – West (AGN-W)

Cost: \$4M

Status: Construction

Location: Mingenew, 20km W

Details: Capricorn Space is developing infrastructure at its AGN-W site in Western Australia to allow it to offer Ground Segment services to a burgeoning small satellite industry. Under the Initial Operational Capability, the system will incorporate six high-bandwidth antennas enabling satellite operators to transfer data off their satellites when passing overhead. The AGN-W offers the benefits of a prime southern hemisphere based location and an improved time-to-market.

Construction Start: Q4 2018

Construction Completion: Q2 2019

www.capricornspace.com.au

RESIDENTIAL LAND DEVELOPMENT

Humfrey Land Developments - Leeman Resort

Cost: \$35M

Status: Planning and approvals

Location: Leeman

Details: The existing Leeman Caravan Park will be demolished to accommodate a new caravan park and resort. An extra 1.7 ha of land has been purchased and plans are almost complete.

Construction Start: Q3 2019

Construction Completion: H1 2020

www.hld.com.au

Humfrey Land Developments - Seafields Estate

Cost: \$11M

Status: Construction

Location: Geraldton

Details: Seafields Estate land release 2A in Geraldton's northern suburbs, with freehold lots in various sizes including multiple dwellings.

Construction Start: 20014

Construction Completion: 2024

www.hld.com.au

Humfrey Land Developments - Wavecrest Estate Moresby Heights

Cost: \$232M

Status: Planning

Location: Geraldton

Details: A new town centre, school, resort, caravan park, freehold lots and recreation area will be developed in Geraldton's northern suburbs. Structure, environmental, traffic and bushfire management plans are all complete and approved.

Construction Start: Q1 2019

Construction Completion: 2031

www.hld.com.au



RETAIL

Aldi - Aldi Geraldton

Cost: \$5.2M

Status: Complete

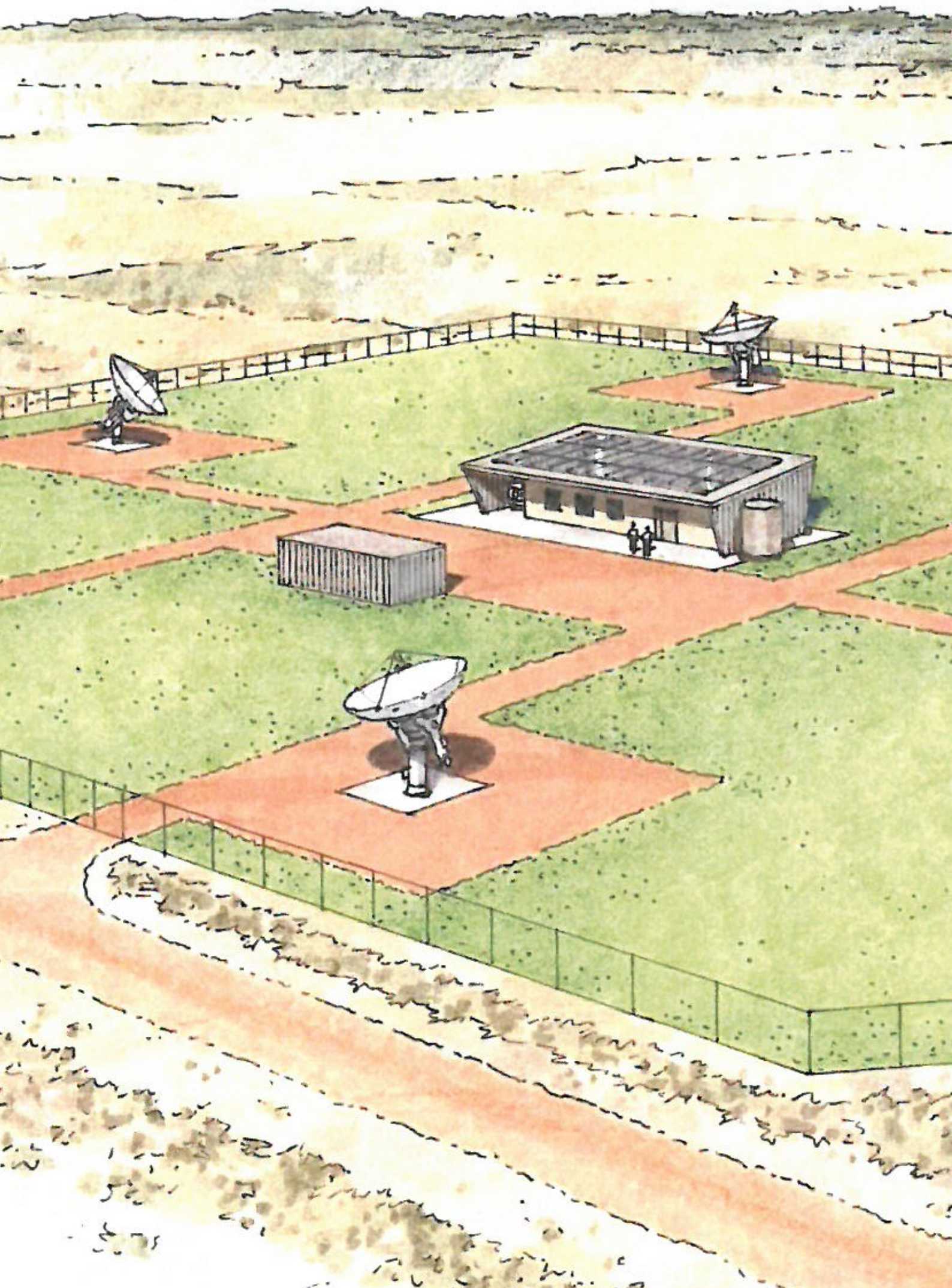
Location: Geraldton

Details: New Aldi Supermarket on the North West Coastal Highway.

Construction Start: Q1 2018

Construction Completion: Q4 2018

www.aldi.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

Department of Biodiversity, Conservation and Attraction (Parks and Wildlife) - Abrolhos Islands Tourism Development

Cost: \$10M

Status: Funding committed

Location: Abrolhos Islands

Description: The Department was allocated \$10 million by the State Government, which will enable a public jetty, shade shelters, toilets, boardwalks and interpretation at East Wallabi Island, a small finger jetty for tender berthing at Beacon Island and an operational base.

Construction Start: Q3 2019

Construction Finish: Q2 2021

www.dbca.wa.gov.au

Department of Biodiversity, Conservation and Attraction (Parks and Wildlife) - Kalbarri National Park camping initiative

Cost: \$10M

Status: Planning

Location: Kalbarri National Park

Description: There is a high demand for camping throughout the Mid west region and a strong desire from the community for vehicle based camping in the Kalbarri National Park. The Department seeks to investigate the feasibility of providing infrastructure to support this type of activity, which may result in a naturebank site for commercial opportunity or a camping with custodians opportunity. Funding is to be sought for the feasibility, consultation and concept design phase.

Construction Start: 2023

Construction Finish: 2025

www.dbca.wa.gov.au



Kalbarri Skywalks and National Park Infrastructure Project - Skywalk A (concept plan)

Department of Biodiversity, Conservation and Attraction (Parks and Wildlife) - Kalbarri Skywalks and National Park Infrastructure project

Cost: \$20M

Status: Construction

Location: Kalbarri National Park

Description: The Project comprises three main components;

1. 22km road sealing and carparks at the three park sites;
2. site developments at Z-Bend and Meanarra Hill; and
3. site development at the West Loop site, including construction of two cantilevered Skywalks that protrude 25m and 17m respectively beyond the cliff-face around 100m above the Murchison River.

Construction Start: Q4 2012

Construction Finish: Q3 2019

www.dbca.wa.gov.au

Department of Biodiversity, Conservation and Attraction (Parks and Wildlife) - Moresby Range Conservation Park recreation development

Cost: \$10M

Status: Planning

Location: Geraldton, 5km N - Moresby Range Conservation Park

Description: The conservation park has significant potential to provide for day use and camping. Key stakeholders support the park's development as a resource for the local community and a significant tourism attraction that can generate economic growth. Recreation opportunities include lookouts, trails, nature appreciation, wildflower viewing and cultural experiences. Funding is to be sought for the feasibility, consultation and concept design phase.

Construction Start: 2022

Construction Finish: 2024

www.dbca.wa.gov.au

Shire of Murchison - Murchison Interpretive Centre

Cost: \$3M (stage 1)

Status: Planning

Location: Murchison Settlement

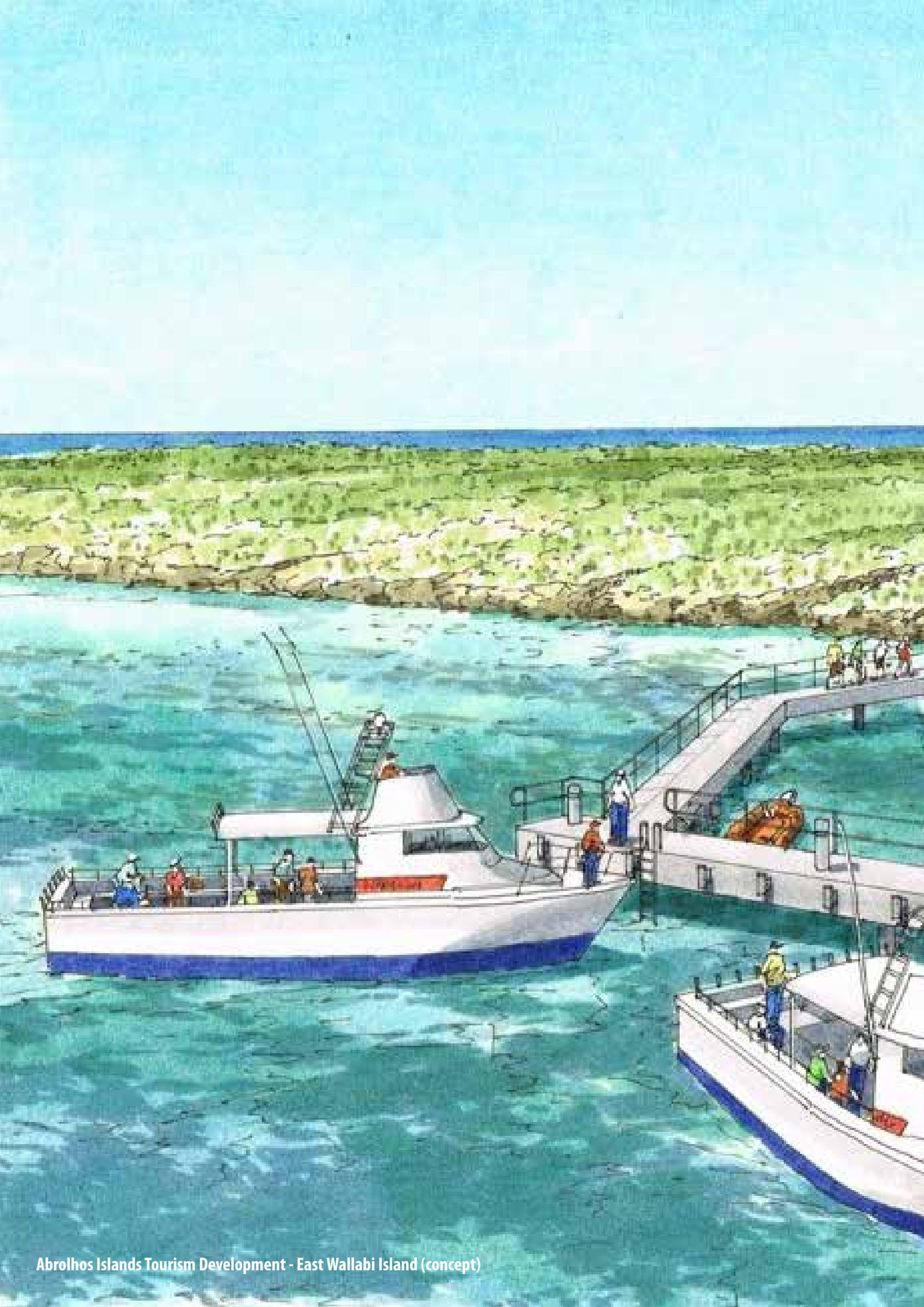
Description: Planned (staged) development of a multi faceted tourist centre that includes interpretation of Wajarri culture, the Square Kilometre Array, geotourism and other local experiences.

Construction Start: 2019

Construction Finish: 2020

www.murchison.wa.gov.au





Abrolhos Islands Tourism Development - East Wallabi Island (concept)





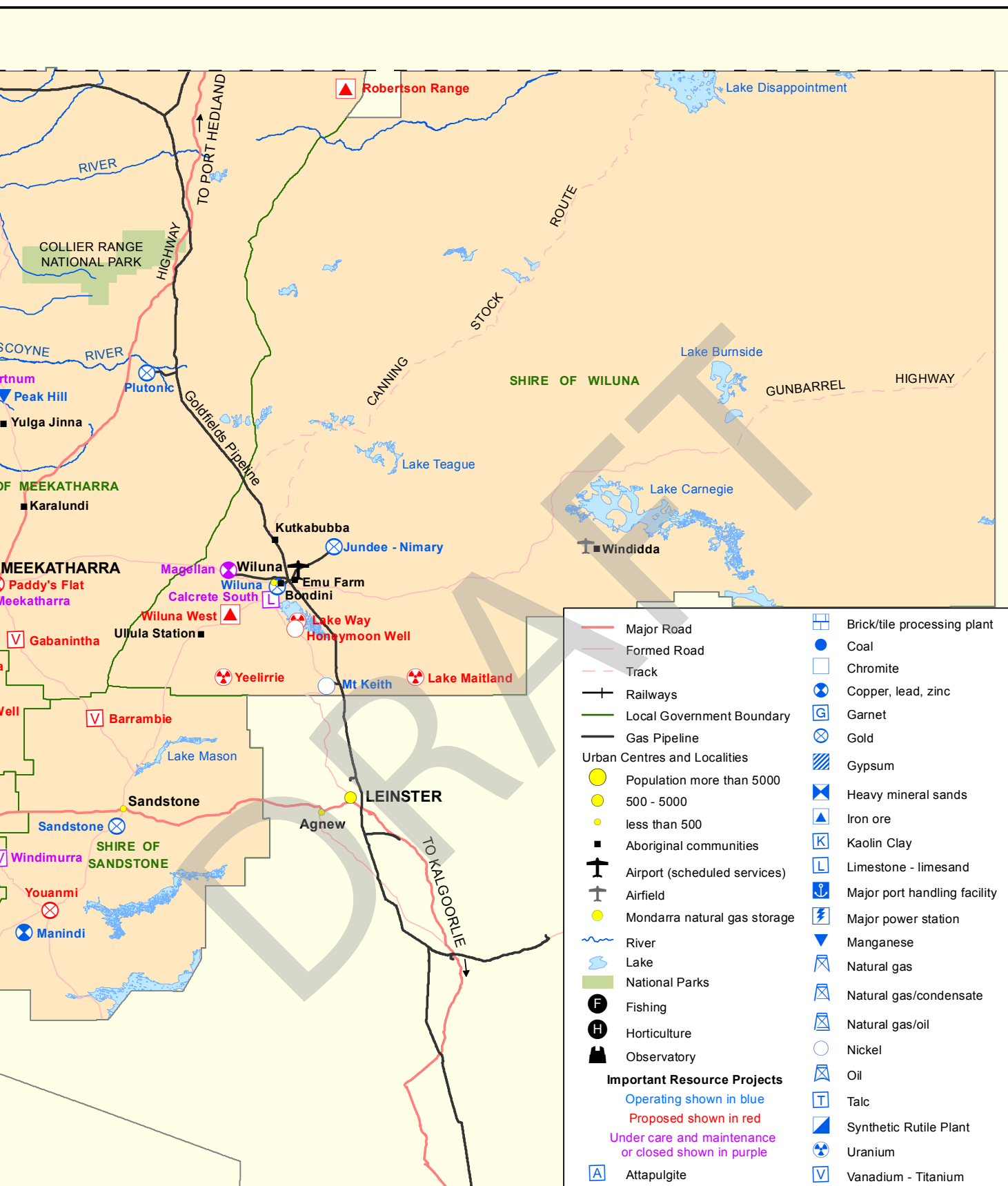
MID WEST REGION


KEY FEATURES



Government of **Western Australia**
Department of **Regional Development and Lands**





 Government of Western Australia
Department of Water

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Datum and Projection Information

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Australian Height Datum (AHD)

Horizontal Datum:
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Projection:
Geodetic

Spheroid: Australian National Spheroid

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Client: Regional Development and Lands


Map Author: Caroline Kiely

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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

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



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