

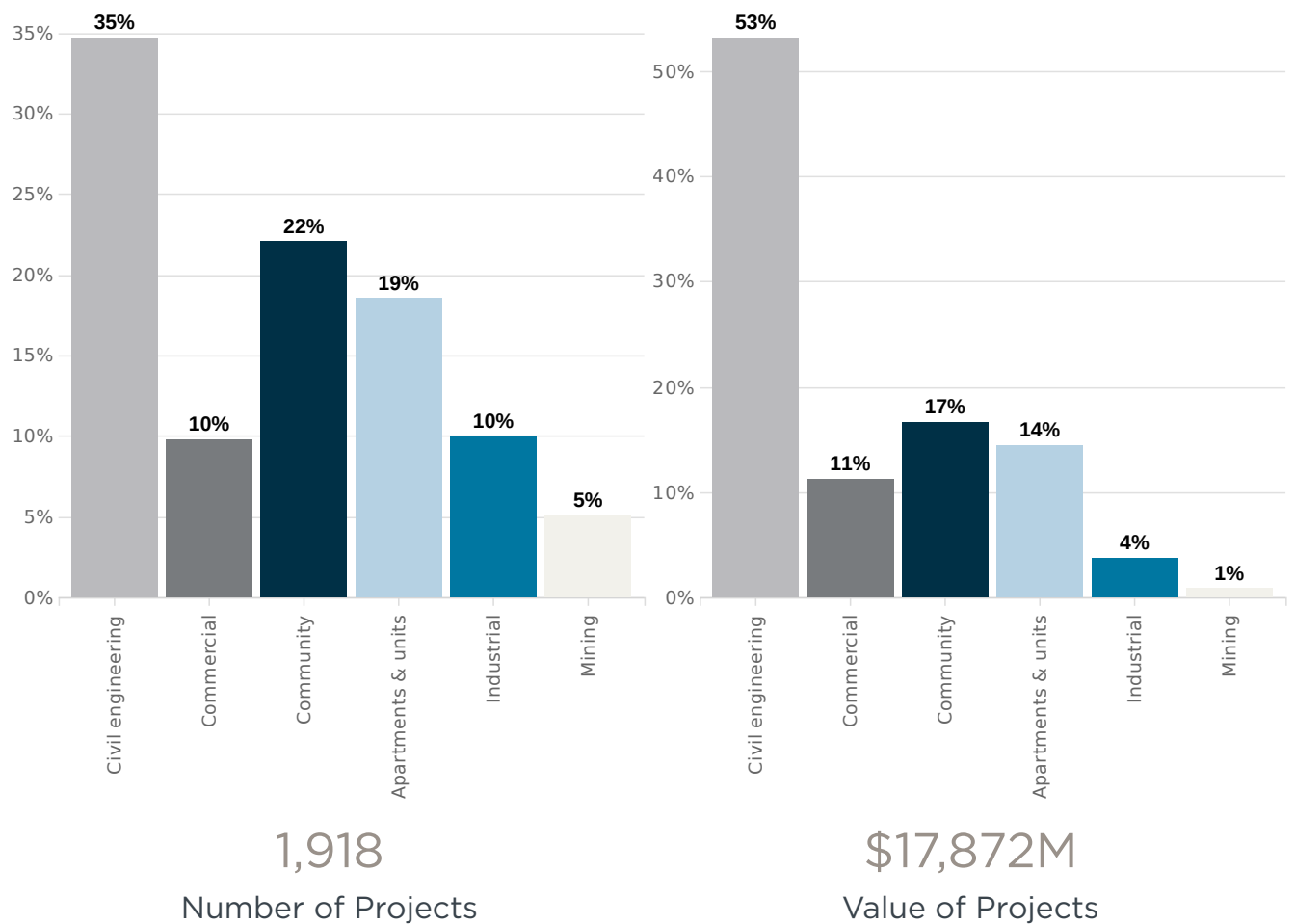
Cordell Construction Monthly

November 2019



Pipeline - Australia

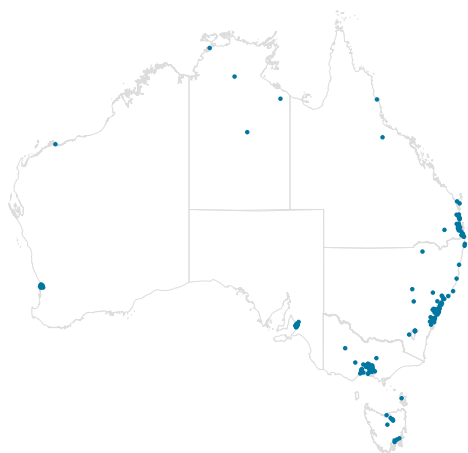
The number of new projects which have been announced but not yet commenced increased by 5 per cent over the month with 1,918 new projects added to the pipeline in October. Civil engineering accounts for 35 per cent of those new projects, followed by community projects (22 per cent). The estimated total value of new projects over the month of October was \$17.9 billion.



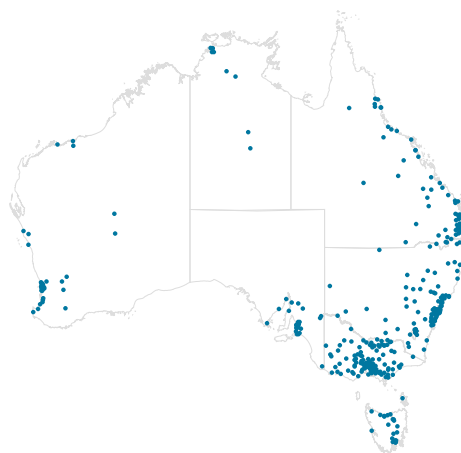
Median Project Value

Civil Engineering	\$500,000
Commercial	\$990,000
Community	\$800,000
Apartments & Units	\$1,500,000
Industrial	\$700,000
Mining	\$1,000,000

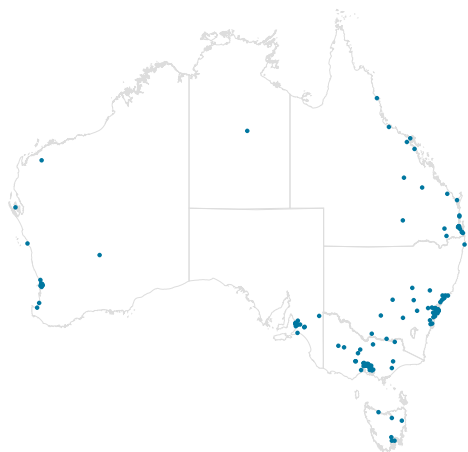
Pipeline - Location



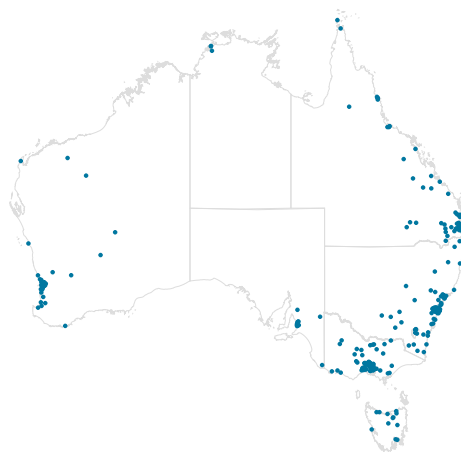
Apartments & Units



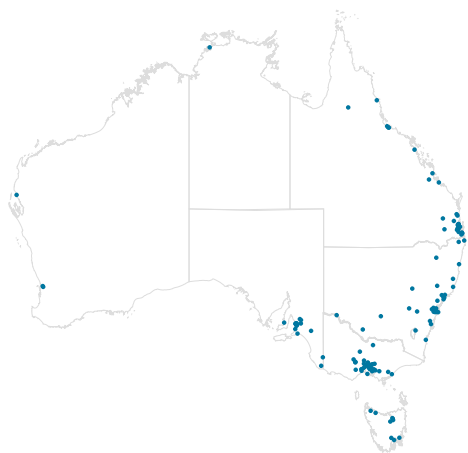
Civil Engineering



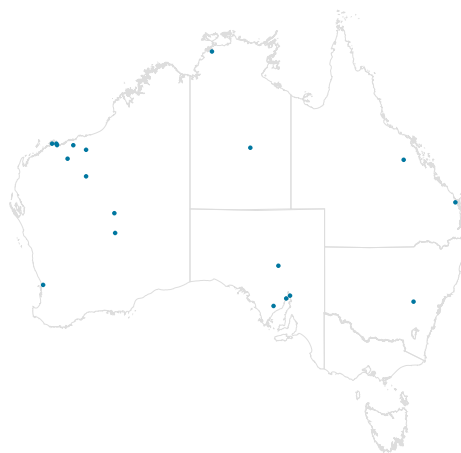
Commercial



Community



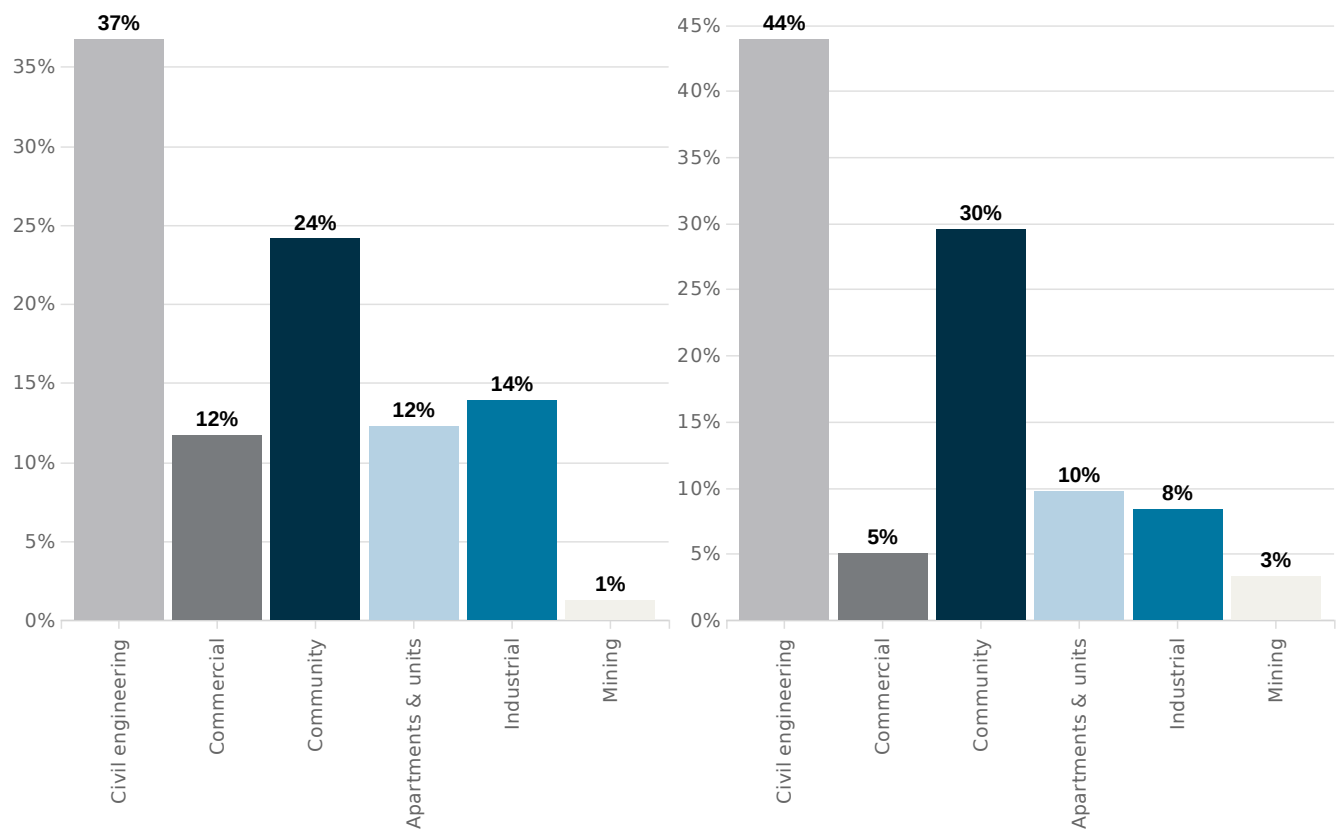
Industrial



Mining

Moving into construction - Australia

There were 873 projects moving into the construction phase over the month of October. The total value of these projects was \$5.9 billion. Civil engineering made up 44 per cent of the total value of construction projects last month (\$2.6 billion), followed by community projects which made up 30 per cent of the overall value of projects in October (\$1.7 billion).



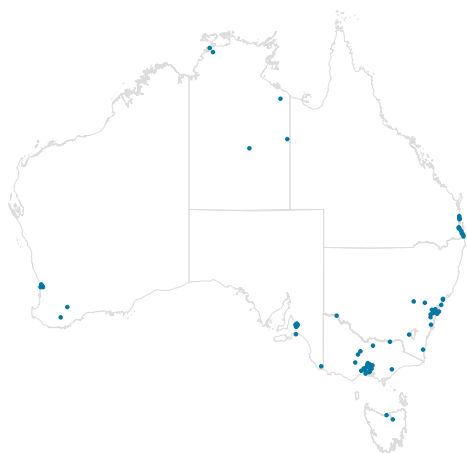
873
Number of Projects

\$5,891M
Value of Projects

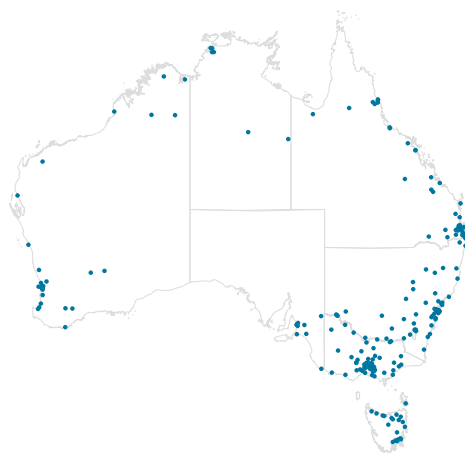
Median Project Value

Civil Engineering	\$500,000
Commercial	\$1,000,000
Community	\$800,000
Apartments & Units	\$1,800,000
Industrial	\$900,000
Mining	\$1,000,000

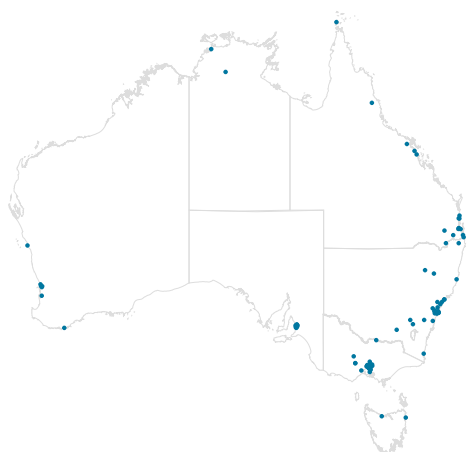
Moving into construction - Location



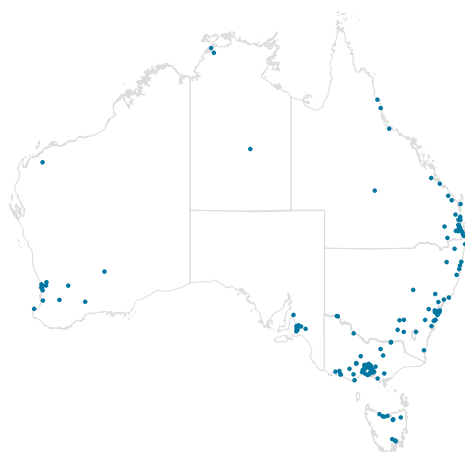
Apartments & Units



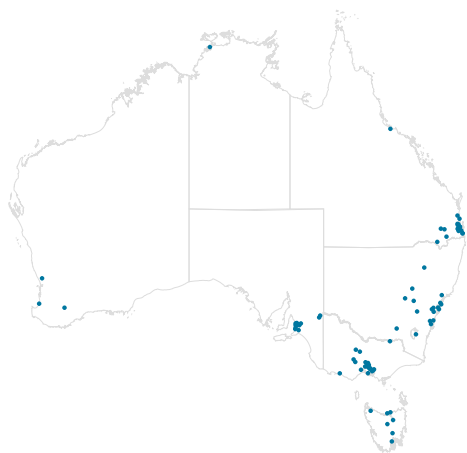
Civil Engineering



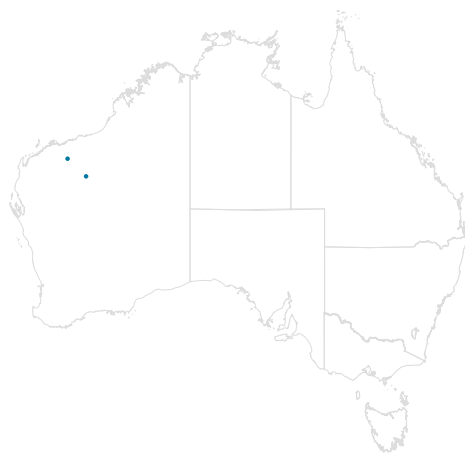
Commercial



Community



Industrial



Mining

NSW

Plans have been released by Transport for New South Wales for a \$100 million new southern concourse for Redfern Station, which will connect Little Eveleigh and Marian Streets to the above ground platforms. The six metre wide concourse designed by DesignInc will include new stair and lift access to Platforms 1-10 and new entrances to the station at Little Eveleigh and Marian Streets.

British Zaha Hadid Architects and Australia's Cox Architecture have been selected as the architects for the new Western Sydney (Nancy-Bird Walton) Airport terminal. Construction is due to commence in 2022. The design aims to replicate the experience of standing under eucalyptus trees, with vertical hanging gardens and timber ceilings. The late founder of the British architect, Zaha Hadid, was the first woman to win the Pritzker Architecture Prize.

The NSW Independent Planning Commission has refused the development application for Union Fenosa's \$120 million Crookwell 3 Wind Farm. The project was referred to the Commission following the recommended refusal by the Department of Planning, Industry and Environment. The project was considered not to be in the public interest due to unacceptable visual impacts and proximity to residences and protection of aesthetic values.

ADCO has been awarded the design and construct contract for the new \$145 million Qantas Flight Training Centre at Mascot. The project will include a training hall, space to house full motion flight simulators, an emergency procedures hall, teaching rooms, office space and a multilevel car park.

ACT

The Australian National University School of Art and Design will undergo an \$80 million upgrade. The existing heritage-listed building will be refurbished and a new two storey building will be constructed. The new facility will feature large multi-purpose spaces for artists. Planning will begin next year with construction to commence in 2023 to

be completed by 2025.

Expressions of interest have been advertised for the design and construct of the \$100 million first stage of the Barton Highway duplication upgrade between the ACT border and Murrumbateman.

VIC

Mars Wrigley Australia has announced a partnership with Toll Group and Charter Hall to build a new \$70 million, 44,000sq m warehouse in Truganina, with enough capacity to hold up to 49,000 pallets or 733,824,000 Mars Bars. This will be the first warehouse committed in Charter Hall's new Midwest Logistics Hub estate.

A new \$46 million sound stage is planned for Docklands Studios. At 3,700sq m, it will be one of the largest in the southern hemisphere, enabling the studios to attract large scale blockbuster productions. International production company Dick Cook Studios intends to establish its AsiaPacific base at Docklands Studios Melbourne.

John Holland has been appointed as managing contractor for the Chisholm Road Prison project, a new maximum security facility for 1,248 inmates to be built in the vicinity of the existing prison precinct which includes Barwon Prison and Marngoneet Correctional Centre. Construction is due to commence this year and the facility is due to open in 2022.

A town planning application has been submitted by FRV Services Australia for a 63 MW solar farm near Ravenswood South, 14kms north of Castlemaine. The proposed solar farm will consist of 185,000 solar panels across the 306 hectare site.

QLD

A \$481 million design and construct contract for the Bruce Highway-Cairns Southern Access Corridor Stage 3: Edmonton to Gordonvale has been awarded to HSA Group,



comprising John Holland, Seymour Whyte and AECOM Group. Work is set to commence in 2020 with completion expected in 2023, weather permitting.

The Queensland Government will start public consultation this month on its plans for stage one of the Coomera Connector, also known as the 'second M1'. The 45 kilometre Coomera Connector corridor runs between Loganholme and Nerang. The business case should also commence in the coming months.

The site selection process is now underway for the new Bundaberg Hospital. The state government has committed \$6.7 million in funding for a detailed business case. More than 20 submissions have been received for private landholdings and these sites will now be considered along with the available state-owned land. Criteria for determining the potential site suitability include being located within a radius of about 17 kms from the Bundaberg city centre; the available land size being about 15-20 hectares in size; good accessibility; and the site being at or above Q500 flood level. The selected site will be announced in 2020.

Broad Construction has been appointed as the successful builder for stage 1 of the new Inner-City South State Secondary College in Dutton Park. The school will be the first new high school to be built in Brisbane's inner south in 60 years. The school will feature a creative hub and administration hub, two learning hubs, a health and wellbeing hub, and multipurpose hall. The outdoor design will see the creation of a central learning oasis, the same size as Anzac Park, and an active park.

The Queensland Government has allocated \$40 million from the Racing Infrastructure Fund to establish a new greyhound racing complex at Yamanto near Ipswich. In a world-first, the facility will include three tracks: a one-turn and two-turn track as well as a straight track.

NT

Argos Development Group has submitted a development application for two nine storey buildings in Nightcliff comprising 80 apartments, an educational establishment, restaurant, shop and office, designed by Savvas Architects. There is a concurrent application to rezone the site from Commercial to Specific Use SD49. The Darwin Mid Suburbs Area Plan identifies the site as potential area for change to high density residential.

Sitzler has been appointed as managing contractor for the \$514 million USFPI Northern Territory Training Areas and Ranges Project. Existing facilities will be upgraded and expanded at Robertson Barracks Close Training Area, Mount Bunday Training Area and Bradshaw Field Training Area to support the United States Force Posture Initiative. Delivery works are scheduled to commence in late 2021 and be completed in 2025.

Darwin Clean Fuels has partnered with McDermott to develop, construct and operate a 1.2 billion clean fuels condensate processing plant at Middle Arm in Darwin. The refinery would produce up to 100,000 barrels of green transport fuels daily and would be the first in Australia to use entirely condensate as its feedstock. A feasibility study will commence immediately with construction forecasted for 2021.

SA

Tenders have been advertised for a panel of fencing contractors to be established for the reconstruction of 1600km of the Dog Fence. \$20 million in funding was granted by the South Australian and Commonwealth Governments earlier this year, together with \$5 million from the livestock industry. The current fence is 100 years old and is the longest continuous fence in the world. The repair will require up to 71,000 timber posts, 127,500 steel droppers and over 7,000km of wire. It is expected to take up to five years to complete the project.

Pacific Hydro has resolved not to proceed with its 42 turbine Keyneton Wind Farm at the Mount Lofty Ranges, due to a decision by the Minister for Planning not to grant an extension of time to complete the project.

Res Australia has been granted approval by the state government for its Twin Creek Wind Farm near the Barossa Valley. The 183 MW wind farm and 215 MW battery energy storage facility will be one of the largest in Australia.

Built Environs has started construction on the 128 room Adelaide Oval Hotel which is due to open next September before the T20 World Cup. The five storey hotel will be built on two elevated pods integrated with the eastern grandstand and east gate entry facing the Adelaide Parklands.

TAS

Terroir has been appointed to design the new Burnie Cultural Precinct. The project will bring together the Burnie Regional Museum and the Burnie Regional Art Gallery into a single facility in the Civic Plaza. The Coalition Government announced \$5 million funding towards the project earlier this year.

A former 19th century gasworks in Launceston will be transformed into an art gallery named DADA. Designed by Richard Hall Architect, the project will maintain most of the existing building cylinder, with a gallery, cafe and makers' workshop on the first four levels, art storage above and a restaurant seating between 120 and 150 patrons on the top level.

WA

Finbar has acquired 240 Adelaide Terrace in Perth with joint venture partner Ventrade. Design has commenced for a 29 storey mixed use development with approximately 115 apartments and ground floor office space. Depending on approval, construction is expected to commence in the second half of 2020.

Kardinya Park Shopping Centre will undergo its first major works in 27 years. Now fully-owned by Con Berbatis after the split with partner George Artemis in 2018, the centre is set to undergo a full redevelopment with preliminary designs prepared by Hames Sharley for a doubling of the existing retail space to over 26,000sq m, residential and recreational facilities such as swimming pool and cinema and a comprehensive food and beverage precinct.

Tenders have been advertised for design and construct of a new \$32 million multi-storey car park at Mandurah Station which is expected to provide around 1320 extra parking bays.

The Mid-West Wheatbelt Development Assessment panel has recommended approval for South Energy's \$250 million, 183.77 megawatt Waroona Solar Farm. The farm would include up to 488,800 solar panels of 410 watts attached to a single axis tracking system, enough to power 67,000 households.

A \$4.5 million contract to undertake pre-construction works for a second carriageway on the Bussell Highway has been awarded to Fulton Hogan. South-West based BCP Kaartdijin JV, an Aboriginal joint venture, will undertake the project on behalf of Fulton Hogan, engaging local Aboriginal people during works.

Expressions of interest have been advertised for design and construction of the \$215 million Mitchell Freeway Extension from Hester Avenue to Romeo Road. The 5.6 kilometre extension will include a new freeway interchange, a rail tunnel or bridge for existing rail line at Butler Station, duplication of Wanneroo Road for 1.8 kilometres and new shared path for cyclists and pedestrians.

Mining

Work is underway on the Stawell Underground Physics Laboratory in western Victoria, located 1,025 metres deep below the surface within the operating Stawell Gold Mine. The laboratory will house an ultra-sensitive instrument known as SABRE to conduct research into dark matter and is the first of its kind in the southern hemisphere and the second in the world. The laboratory will be 10 metres wide, 10 metres high and 30 metres long and is situated deep underground to shield the instruments from radioactive cosmic rays from space.

In Western Australia, Woodside has appointed Australian Gas Infrastructure Group to design, construct and operate a new 3.3km long, buried steel natural gas pipeline connecting the Pluto Interconnector Compressor Station and the Karratha Gas Plant. Construction is expected to begin in 2020, subject to environmental and regulatory approvals.

Coziron Resources will commence a drilling program at the Top Camp Joint Venture Gold Project in Port Hedland in Western Australia's Pilbara region, following a gold nugget find.



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Aggregate value estimates and median project values are based on raw data from the Cordell Connect database. Data from Cordell Connect includes project values as advised by the project managers, or are estimates provided by Cordell researchers.

Note: The back series has been updated to reflect additional data.



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Big Data is fundamentally changing the way builders, developers and professionals involved in commercial real estate go about their jobs. Detailed real time data collection is providing the industry with more accurate and efficient tools to understand the best performing potential markets, analyse the best types of products to build with, identify leads and new sales opportunities and to quickly estimate and quote.

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Collectively, our data covers more than 4 billion decision points across residential, commercial, building and construction costing, collected from more than 660 sources. This includes the real estate industry, all levels of government, data partners, media and our own team of researchers creating analytics and insights that fuel decisions from first home buyers right through to federal government.

Big Data that does not tell a story or provide you with actionable insights is just a pile of numbers. At CoreLogic, we pride ourselves on our tools and analytics that help our clients understand their markets, improve their workflows, save time, make money and make better decisions. We'd love to work with you, too.

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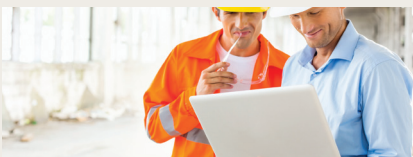
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