



Government of **Western Australia**
Department of **Treasury**



Infrastructure Projects in Western Australia

September 2023



Bunbury Outer Ring Road | Credit: Main Roads WA

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Overview

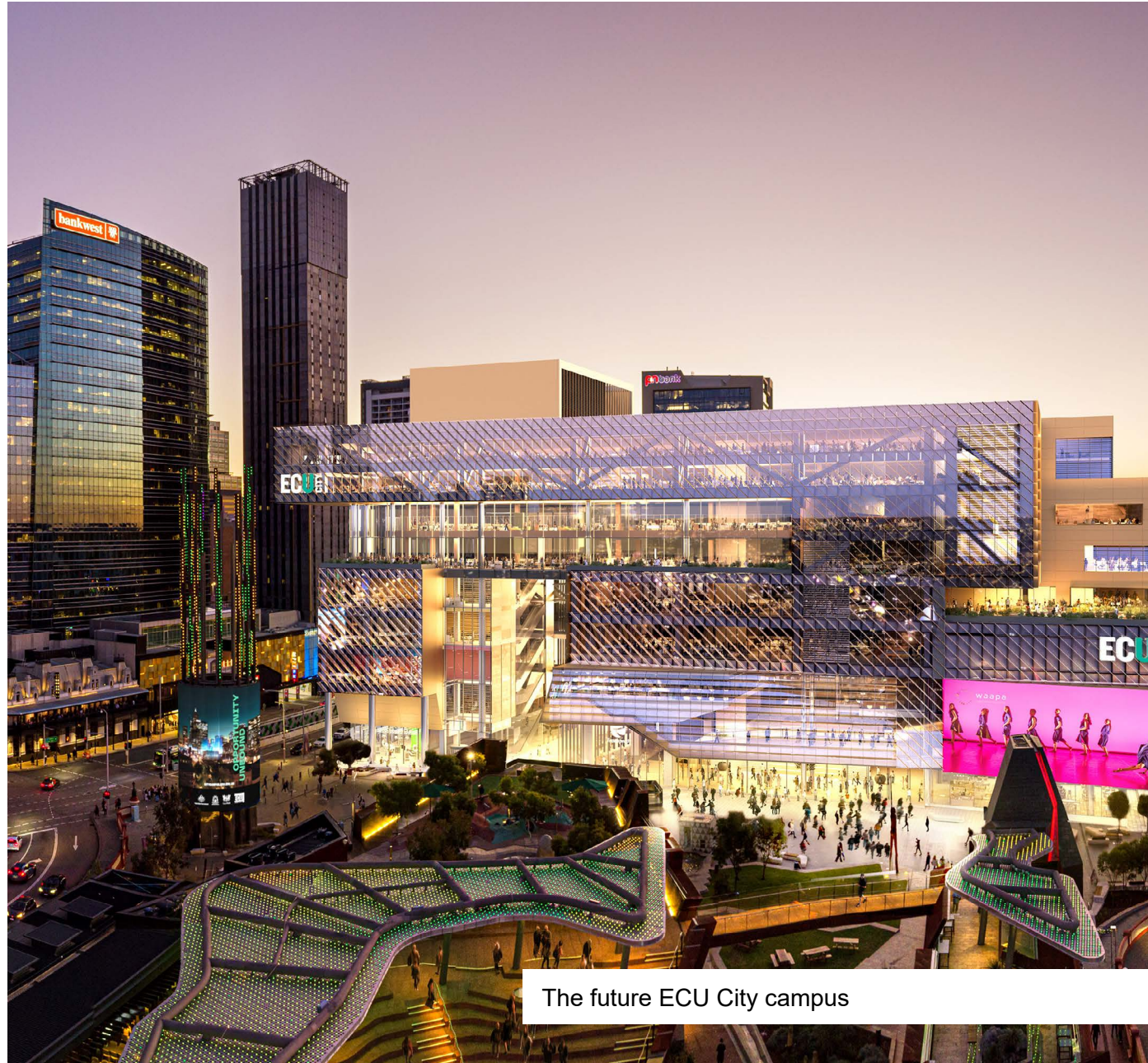
This document is provided as a guide to construction firms that are considering seeking out new markets in the State. It outlines some of the major infrastructure initiatives being planned or undertaken by the Western Australian Government over the medium term.

Covering an area of more than 2.5 million square kilometres – around the size of Western Europe – Western Australia is one of the largest and most diverse resource provinces in the world. Western Australia's economy is export oriented, with around half of Australia's exports of goods originating from the State each year, including minerals, petroleum, agrifood and specialised manufactured goods.

The State has the world's largest reserves of iron ore, substantial deposits of critical minerals required for new technologies and batteries, and extensive and affordable energy sources such as natural gas, solar and wind.

The WA population is forecast to grow from around 2.7 million today to 4.3 million by 2042, an increase of 60%. This will place increased pressure on existing infrastructure and generate demand for better use of existing assets and investment in new infrastructure.

The 2023-24 State Budget includes a record \$39 billion Asset Investment Program over the next four years as the Government continues to invest heavily in infrastructure to create a pipeline of activity for the construction industry, support local jobs and deliver major projects for the future.



The future ECU City campus

The Budget prioritises an unprecedented \$3 billion spend on climate change initiatives, including a new \$2.8 billion investment in decarbonisation of the State's main electricity grid. This includes battery storage capacity at Collie and Kwinana, additional wind generation, and transmission network upgrades.

Road, rail and transport infrastructure totals \$13.6 billion over the next four years, with \$5.9 billion on METRONET projects, \$6.7 billion on metropolitan and regional roads, and \$200 million (and a further \$50 million in 2027-28) to deliver around 130 new electric buses, depot upgrades and charging infrastructure.

A continued focus on health and education infrastructure is reflected in \$544 million over the next four years for the new \$1.8 billion Women and Babies Hospital, \$219 million for Stage 1 of the Graylands Reconfiguration and Forensic Taskforce project, and \$100 million for major upgrades to Rockingham and Safety Bay senior high schools.

Key social and community infrastructure initiatives include \$127.8 million to transform the State Hockey Centre, an additional \$97.9 million towards the Perth Concert Hall redevelopment, and a further \$79.7 million for the WACA ground improvement project and aquatic facility.

This Budget delivers a \$450 million injection to the Social Housing Investment Fund. The Fund is now expected to deliver around 4,000 additional social houses.

Allocations of \$253 million from the Digital Capability Fund will continue to enhance and support critical ICT infrastructure and services, including \$99.4 million to progress the Electronic Medical Records Program across the State's health system.

The Western Australian Government's biggest projects currently in the planning phase include:

- Water Corporation preparing to deliver a new seawater desalination plant at Alkimos that will be able to supply up to 100 billion litres of drinking water per year to help reduce dependence on rainfall and groundwater;
- \$1.8 billion for the construction of a new Women and Babies Hospital. The Fiona Stanley Hospital (FSH) Precinct has been identified as the preferred location for the new hospital, as it is a greenfield site with limited constraints;
- \$350 million to provide additional capacity at Geraldton Port. The investment includes a new berth with associated ship loading and material handling infrastructure, a multi-user storage facility, two truck unloaders, relocation of the tugboat harbour to allow additional tugs to be accommodated, and road works to facilitate the increase in truck movements; and
- a long-term program to investigate, plan and build a future port in Kwinana with integrated road and rail transport networks under the transformational Westport project. Planning is continuing, with \$370.9 million allocated to progress this once-in-a-century project.



Lakelands Station | Credit: METRONET

Funded Asset Investment Program 2023-24 to 2026-27

The table below provides a summary of key public infrastructure investments in Western Australia over the next four years. Further details of projects and contacts are provided within the remainder of this document.

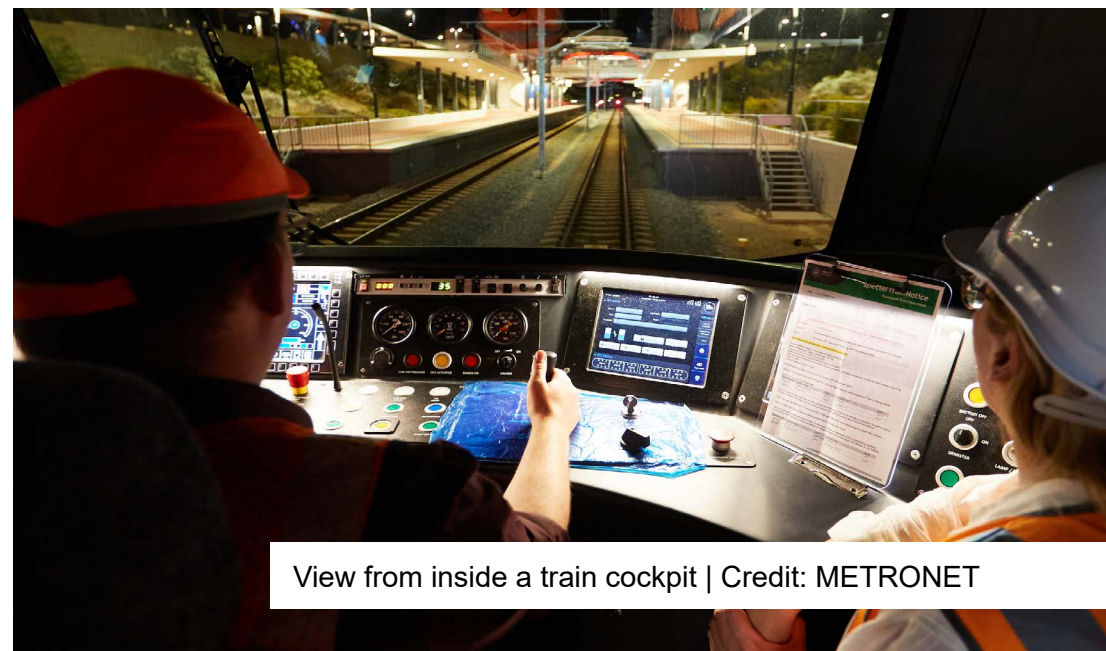
Infrastructure type	2023-24	Estimated from 2023-24 to 2026-27
Road, rail and transport	\$5,751 million	\$13,626 million
Electricity generation, transmission and distribution	\$1,269 million	\$4,879 million
Water, wastewater and drainage (a)	\$1,136 million	\$3,457 million
Education and training (b)	\$736 million	\$1,743 million
Health-related infrastructure	\$801 million	\$2,556 million
Social housing and other residential facilities	\$545 million	\$1,474 million
Port facilities (c)	\$800 million	\$1,873 million
Law and order (d)	\$284 million	\$570 million

(a) 'Water, wastewater and drainage' includes Water Corporation, Bunbury Water Corporation (Aqwest) and Busselton Water

(b) 'Education and training' includes the Departments of Training, Workforce and Development, and Education

(c) 'Port facilities' includes Provision for Westport Land Purchases and a Provision for Pilbara Port Infrastructure

(d) 'Law and order' includes the Western Australia Police Force and the Department of Justice



View from inside a train cockpit | Credit: METRONET

With respect to the medium to longer-term outlook, Infrastructure Western Australia has released Foundations for a Stronger Tomorrow: State Infrastructure Strategy (the Strategy) which details the infrastructure outlook for Western Australia over the next 20 years. The final Strategy was tabled in Parliament in August 2022. In February 2023, the WA Government provided a response to the inaugural Strategy (the Response). The Response details the WA Government's level of support for Infrastructure Western Australia's 93 recommendations and fulfils the requirements of the *Infrastructure Western Australia Act 2019*. The Response supports 98% of the Strategy's recommendations across nine sectors and seven cross-cutting themes. The Government released the first State Infrastructure Programme in August 2023 (to be prepared annually) which provides a ten year outlook of WA's significant infrastructure investment commitments, needs and opportunities.

Further information is available at www.infrastructure.wa.gov.au.

Road, Rail and Transport

An integrated transport system is essential for moving goods to market and people to jobs and services. Western Australia is by far the largest State in the country and is serviced by nearly 19,000 kilometres of roads across the State. The Perth metropolitan rail network consists of over 180 kilometres of track upon which more than 1,000 train services operate daily, while more than 11,200 timetabled bus services operate each weekday.

Investment in road, rail and transport is estimated at \$5.8 billion in 2023-24 and \$13.6 billion over the next four years. METRONET accounts for \$5.9 billion of this four-year investment, delivering on the Government's key commitment that will shape the future development of the Perth metropolitan area.

New investments in this Budget include:

- \$2.2 billion in additional State and Commonwealth funding to meet cost pressures on METRONET and existing road projects;
- \$250 million (\$200 million to 2026-27) for the transition of the Public Transport Authority's bus fleet from reliance on fossil fuels to electric power, including the initial procurement of 18 e-buses and installation of charging infrastructure at Elizabeth Quay Bus Station to operate the city's Central Area Transit services;



Yanchep platform backfill | Credit: METRONET

- an additional \$110 million for construction of the Bellevue Depot to support the METRONET Railcar Acquisition and Replacement project. The depot will support the METRONET Railcar project by providing train maintenance facilities required to support urban and regional passenger rail services; and
- \$50 million in 2022-23 for Main Roads to progress strategic land acquisitions for the Westport precinct and key freight routes identified through the project planning phase.

To address unavoidable cost increases for labour, plant, equipment and materials, the State and Commonwealth governments will spend an additional \$1.2 billion over the period 2022-23 to 2024-25 to complete the following METRONET projects (that are under contract and in construction):

- Morley-Ellenbrook Line (\$528.1 million);
- Yanchep Rail Extension (\$375.3 million);
- Thornlie-Cockburn Link (\$243.8 million); and
- Bayswater Station (\$107.4 million).

The Budget includes an additional investment of \$246 million over 2023-24 and 2024-25 – jointly funded by the Commonwealth and State governments – for scope enhancements and cost increases across a number of regional road projects that are in delivery. This comprises:

- \$100 million to facilitate delivery of the Bunbury Outer Ring Road works;
- \$40 million for the Albany Ring Road, and a further \$37 million for a new grade separation of Menang Drive and Chester Pass Road;

- \$30 million for Bussell Highway Duplication (stages 1 and 2);
- \$15 million for the Great Northern Highway (Ord River North) project;
- \$10 million for the Newman to Katherine Corridor;
- \$7 million for Thomas Road upgrades, including the Thomas Road and Nicholson Road intersection; and
- \$6 million for Albany Highway (Kelmscott to Williams).

A further \$179.4 million over 2023-24 and 2024-25 has been jointly funded by the State and Commonwealth governments for metropolitan road projects that are experiencing cost pressures as a result of market conditions, including:

- \$161.4 million for Tonkin Gap works;
- \$10 million for the duplication of Wanneroo Road; and
- \$8 million for Mitchell Freeway upgrades between Hodges Drive and Hepburn Avenue.

An additional \$5 million will also be spent by the State to complete Kwinana Freeway upgrades between Mount Henry Bridge and Cranford Avenue.

By treating roads with shoulder sealing and/or audible edge lines, the Regional Road Safety Program aims to significantly reduce the number of 'runoff road' crashes. The Budget includes an additional \$175 million – jointly funded by the Commonwealth and State governments – to

continue these low-cost and highly effective safety treatments on regional roads in 2024-25.

The Rail Infrastructure Program supports the upgrade and maintenance of the existing rail network, including signalling, pedestrian gates, level crossings and rail bridge works. An additional investment of \$43 million has been allocated over 2022-23 to 2024-25 to undertake further works in the metropolitan area.

An additional \$22.3 million has been allocated to projects within the METRONET High Capacity Signalling (HCS) program of works over 2022-23 to 2024-25. HCS will increase the capacity and safety of the rail network.

A total of \$3.6 million has been allocated in 2023-24 to assist with mid-tier transport planning.

Further information on road, rail and transport

Main Roads Western Australia
138 138
www.mainroads.wa.gov.au

METRONET/Public Transport Authority
+618 9326 2000
www.pta.wa.gov.au

Table 2: Road, rail and transport projects over \$20 million

Commissioner of Main Roads

Project description	Region	Estimated total cost (\$ million)
Tonkin Highway Corridor Upgrades – Tonkin Highway Gap; Grade Separations at Hale, Welshpool and Kelvin Roads; and Stage 3 Extension	State-wide	1,882
Bunbury Outer Ring Road – Election Commitments	South West	1,352
Reseal Program – Capitalisation of Reseal Program	State-wide	928
Regional Road Safety Program – Road Safety Program	Regional WA	883
Safer Roads and Bridges Program – Safer Roads and Bridges Program	State-wide	555
Karratha to Tom Price – Manuwarra Red Dog Highway – Election Commitments	Pilbara	380
Thomas Road – Southwestern Highway to Tonkin Highway Dual Carriageway	Peel	290
Queen Victoria Street – Swan River Crossings (Fremantle Road and Rail Bridge) – Construct New Bridge	Perth Metropolitan	280
Great Northern Highway – Bindoon Bypass – Construct New Alignment	Wheatbelt	275
Armadale Road – Armadale Road and North Lake Road Flyover Bridge – Election Commitments	Perth Metropolitan	259
Great Eastern Highway – Coates Gully, Walgoolan to Southern Cross and Ghooli to Benari	Wheatbelt	250
Pinjarra Heavy Haulage Deviation – Pinjarra Heavy Haulage Deviation – Stage 1 and Stage 2	Peel	250
Road Safety Commission – Regional Road Safety Improvements	Regional WA	229
Reid Highway – Altone Road and Daviot Road/Drumpellier Drive Grade Separations	Perth Metropolitan	225

Project description	Region	Estimated total cost (\$ million)
Albany Highway – Albany Ring Road – Election Commitments	Great Southern	215
Roe Highway – Great Eastern Highway Bypass Including Abernethy Road	Perth Metropolitan	206
Reid Highway – West Swan and Reid Highway Interchange	Perth Metropolitan	175
Department of Transport – Principal Shared Path Program	Perth Metropolitan	162
Mitchell Freeway – Stephenson Avenue	Perth Metropolitan	155
Leach Highway – Leach Highway and Welshpool Road Grade Separated Interchange	Perth Metropolitan	152
Gibb River Road – Improve Formation and Gravel	Kimberley	142
Smart Freeways – Hodges Drive to Hepburn Avenue Widening Southbound	Perth Metropolitan	141
Smart Freeways – Transforming Freeways – Mitchell Freeway Corridor	Perth Metropolitan	140
Regional Road Safety Program – Regional State Road Safety Improvement Program	Regional WA	122
Great Northern Highway – Marble Bar Road Upgrade	Pilbara	120
Bussell Highway – Bussell Highway Duplication Stage 1 and Stage 2	South West	115
Northern Australia Roads and Beef Roads Programs – Great Northern Highway – Ord River	Kimberley	113
Road Safety Commission – Metropolitan Intersections Crash Program	Perth Metropolitan	111
Old Coast Road – Mandurah Estuary Bridge Duplication – Election Commitments	Peel	110
Thomas and Anketell Roads Freight Upgrade – Stages 1 and 2 Planning	Peel	105
Department of Transport – Principal Shared Path Causeway Cyclist and Pedestrian Bridge – COVID-19 Response	Perth Metropolitan	100

Project description	Region	Estimated total cost (\$ million)
Tonkin Highway Corridor Upgrades – North Ellenbrook Interchange	Perth Metropolitan	100
Capitalised Operational Costs – 2024-25 Program	State-wide	90
Capitalised Operational Costs – 2025-26 Program	State-wide	90
Capitalised Operational Costs – 2026-27 Program	State-wide	90
Capitalised Operational Costs – 2023-24 Program	State-wide	89
Capitalised Operational Costs – 2022-23 Program	State-wide	88
Roe Highway – Roe Highway and Kalamunda Road – Grade Separated Interchange – Election Commitments	Perth Metropolitan	86
Nicholson Road and Garden Street Grade Separation Planning and Construction	Perth Metropolitan	80
Toodyay Road – Dryandra to Toodyay	Wheatbelt	80
Great Northern Highway – Port Hedland Airport Deviation	Pilbara	76
Leach Highway – Carrington Street to Stirling Highway – Election Commitments	Perth Metropolitan	76
Road Safety Commission – LED School Zone Lights	Perth Metropolitan	74
Wanneroo Road – Wanneroo Road and Ocean Reef Road Grade Separation – Election Commitments	Perth Metropolitan	73
Reid Highway – Altone Road to West Swan Road – Construction of Dual Carriageway – Election Commitments	Perth Metropolitan	70
Thomas Road – METRONET – Byford Rail Extension – Thomas Road Bridge	Peel	69
Minor Works (includes Black Spot and Urgent Minor Works) – 2022-23 Program	State-wide	62
Great Northern Highway – Nellie Springs to Sally Downs Well and Arthur Creek	Kimberley	60

Project description	Region	Estimated total cost (\$ million)
Indian Ocean Drive – Indian Ocean Drive – Jurien Bay to Brand Highway	Mid West	55
Coolgardie-Esperance Highway – Coolgardie-Esperance Highway Widening, Overlay and Reconstruction (Emu Rocks) – Election Commitments	Goldfields-Esperance	52
Buildings and Equipment – 2022-23 Program	State-wide	51
Freight Vehicle Productivity Improvements Program	State-wide	50
Great Northern Highway – Newman to Port Hedland Overtaking Lanes	Pilbara	50
Thomas Road – Kwinana Freeway to Nicholson Road Upgrade	Peel	43
Great Eastern Highway – Coates Gully Bridges Walgoolan to Southern Cross	Wheatbelt	41
East Perth Power Station Footbridge	Perth Metropolitan	39
Menang Drive and Chester Pass Road – Grade Separation	Great Southern	37
Great Northern Highway – Newman to Katherine Corridor – Broome to Kununurra Upgrade Stage 1	Kimberley	36
Wanneroo Road – Wanneroo Road Duplication – Dunstan Road to Romeo Road	Perth Metropolitan	35
Rail Crossing Program – Rail Crossing Program	State-wide	35
Albany Highway – Kelmscott to Williams Pavement Rehabilitation and Hotham River Bridge Replacement	Wheatbelt	31
Thomas Road – Nicholson Road Oakford – Intersection Upgrade	Peel	31
Buildings and Equipment – 2026-27 Program	State-wide	31
Buildings and Equipment – 2024-25 Program	State-wide	30

Project description	Region	Estimated total cost (\$ million)
Perth Airport Precinct – Northern Access	Perth Metropolitan	28
Buildings and Equipment – 2023-24 Program	State-wide	28
Minor Works (includes Black Spot and Urgent Minor Works) – 2025-26 Program	State-wide	27
Minor Works (includes Black Spot and Urgent Minor Works) – 2026-27 Program	State-wide	27
Broome-Cape Leveque and Community Access Roads Upgrades	Kimberley	26
Brand Highway – Muchea to Gingin Pavement Rehabilitation and Widening	Wheatbelt	25
Burru Road – Perdaman Project	Pilbara	25
Minor Works (includes Black Spot and Urgent Minor Works) – 2023-24 Program	State-wide	25
Regional Road Safety Program – Regional Black Spot Program – Election Commitments	Regional WA	23
Buildings and Equipment – 2025-26 Program	State-wide	22
Heavy Vehicle Safety and Productivity Program – Commonwealth	State-wide	21
Forrest Highway – Forrest Highway – Vittoria Road – New Intersection and Road Connection	South West	20
Goldfields Highway – Wiluna to Meekatharra Construct and Seal Priority Sections	Mid West	20
Graham Farmer Freeway – Orrong Road Expressway – Graham Farmer Freeway to Leach Highway Planning	Perth Metropolitan	20
Great Eastern Highway – Great Eastern Highway – Eastlink – Planning – COVID-19 Response	Wheatbelt	20

Public Transport Authority

Project description	Region	Estimated total cost
METRONET – Forrestfield-Airport Link	Perth Metropolitan	1,841
METRONET – Morley-Ellenbrook Line	Perth Metropolitan	1,651
METRONET – Thornlie-Cockburn Link	Perth Metropolitan	1,124
METRONET – Level Crossing Removal – Victoria Park-Canning (Inner Armadale)	Perth Metropolitan	1,047
METRONET – Yanchep Rail Extension	Perth Metropolitan	982
METRONET – Railcar Replacement	State-wide	872
METRONET – Byford Rail Extension	Peel	797
Bus Replacement Program – New Bus Replacement Program in Progress	State-wide	614
METRONET – High Capacity Signalling Program of Works	State-wide	577
Rail Infrastructure Program – Rail Infrastructure in Progress	State-wide	573
METRONET – Railcar Acquisition	State-wide	461
Rail Infrastructure Program – Rail Infrastructure	State-wide	459
METRONET – Bayswater Station (Forrestfield-Airport Link Services and Morley-Ellenbrook Line Forward Works)	Perth Metropolitan	335
Major Projects – Future Urban Railcar Procurement	State-wide	254
Bus Infrastructure Program – Electric Buses and Depot Modifications	Perth Metropolitan	250
METRONET – New Midland Station	Perth Metropolitan	239

Project description	Region	Estimated total cost
METRONET – Canning Bridge Bus Interchange	Perth Metropolitan	202
Freight Program – Western Australian Agricultural Supply Chain Improvements	Wheatbelt	177
METRONET – Level Crossing Removal Program	Perth Metropolitan	134
METRONET – Rail Line Planning	Peel	117
Major Projects – Stirling Bus Interchange	Perth Metropolitan	90
METRONET – New Stations and Existing Stations Upgrades	Perth Metropolitan	82
METRONET – Lakelands Station	Peel	72
Operational Business Support Systems Program – Business Support Upgrades in Progress	State-wide	65
Rail Infrastructure Program – Resilience Package	State-wide	60
Bus Infrastructure Program – Smartrider System Asset Replacement and Technology Update	State-wide	58
Rail Infrastructure Program – Kwinana and Mitchell Freeway Barrier Upgrades	Perth Metropolitan	57
Railcar Program – Rail Futures Fund (Australind Railcar Replacement)	State-wide	55
METRONET – Greenwood Station Multi-storey Car Park	Perth Metropolitan	38
METRONET – New Midland Station Multi-storey Car Park	Perth Metropolitan	36
METRONET – Mandurah Station Multi-storey Car Park	Peel	32
Freight Program – Grain Freight Upgrades	Regional WA	22

Department of Transport

Project description	Region	Estimated total cost
Maritime – Transforming Bunbury's Waterfront Stage 3	South West	78
Maritime – Broome Boating Facility – Election Commitments	Kimberley	36

Electricity Generation, Transmission and Distribution

The State's electricity sector is experiencing a major transformation with the rapid uptake of rooftop solar panels, battery storage systems, and increasing levels of largescale renewable generators such as wind and solar farms.

Over the last few years, the increase in renewable power on the South West Interconnected System (SWIS) has been dramatic. We are now sourcing more than 30% of our power from renewables – a very different picture from 2020, when we had just started to see renewables come online as an energy resource. Of the 30% renewable energy used in our system over a year, wind contributes 52%. Solar is the second largest contributor with rooftop solar making up 41.4% and large solar farms adding an extra 4.9%. The remaining share of renewable energy used across the year is sourced from landfill gas.

The State Government has committed to achieving net zero emissions for Western Australia by 2050, and is seeking to reduce its own emissions by 80% below 2020 levels by 2030. One of the most direct ways for the Government to reduce its emissions is through the electricity sector, particularly in the South West.



Kalumburu Solar Farm | Credit: Horizon Power



Wind turbines in Albany

To help achieve its decarbonisation objectives, the Government announced in June 2022 a plan to invest in renewable wind generation and storage projects to ensure the continued security and reliability of the SWIS as rooftop solar expands and the State's coal-fired power stations are gradually retired by 2030.

To help deliver this generational change, the Government has committed \$2.8 billion as part of the 2023-24 Budget towards renewable energy projects and network upgrades that will reduce emissions from the SWIS. This comprises a \$2.7 billion provision for Synergy to undertake battery storage projects and to develop additional wind generation capacity, and \$126 million for investments on Western Power's transmission network.

The funding will allow Synergy to progress up to 210 megawatts of new wind assets (including the King Rocks Wind Farm and a proposed expansion of Bright Energy Investments' existing Warradarge Wind Farm, estimated to cost \$368 million), and 700 megawatts of battery storage assets (the Collie Battery Energy Storage System and Kwinana Battery Energy Storage System 2, estimated to cost \$2.3 billion).

The King Rocks Wind Farm will consist of up to 30 wind turbines and will be located 35 kilometres north-east of Hyden in the Shire of Kondinin. The proposed Warradarge Wind Farm expansion will build upon the existing 180 megawatt facility near Eneabba (which is co-owned by Synergy through the Bright Energy Investments joint venture).

It is expected that the second large-scale battery to be built in Kwinana will provide four hours of storage and have a capacity of 200 megawatts. The new battery will be built adjacent to the Kwinana Big Battery (Kwinana Battery Energy Storage System 1), which will support system security from 2023-24. The large-scale grid-connected battery to be developed in Collie will also provide four hours of storage and a massive 500 megawatts of capacity.

The Government is aiming to have the King Rocks Wind Farm connected to the South West Interconnected System by 2024-25, with the second Kwinana and Collie batteries to both be connected by 2025-26. These projects will help replace the electricity generation that will be lost from the upcoming retirement of Synergy's Muja C Unit 6 coal-fired power station by October 2024 and the Collie Power Station in late 2027.

Of the \$2.8 billion to be invested over the forward estimates, \$500 million will be funded from a topup to the Climate Action Fund in 2023-24. The Climate Action Fund will provide funding support of \$369.1 million to Synergy in 2022-23 for downpayments for batteries, inverters and wind turbines that will secure Synergy's place in the highly competitive global production cycles.

In addition to the renewable investments to be progressed by Synergy, Western Power will invest \$126 million over 2022-23 to 2023-24 on its transmission network, including planning works and procurement of long-lead-time equipment, to support the electricity network's transition away from coal-fired power generation and meet the Government's emissions reduction commitments.

Investment by the State’s electricity utilities totals \$4.9 billion over the four years to 2026-27, with \$1.3 billion to be spent in 2023-24. Across the three State owned-electricity corporations:

- Western Power, which operates the transmission and distribution network in the SWIS, is forecast to invest \$4.4 billion;
- Synergy, which generates and sells electricity in the SWIS, is forecast to invest \$193 million; and
- Horizon Power, Australia’s only vertically integrated utility, will invest \$313 million in generation, transmission, distribution and retail services in regional Western Australia.

Projects aimed at ensuring the safety and security of electricity supply, whilst enabling the integration of new technology and supporting the energy transition include:

- every five years, under Western Power’s Access Arrangements, the Economic Regulation Authority (ERA) assesses Western Power’s Asset Investment Program to determine what is needed to maintain the safety and reliability of the network at an efficient cost. Under the ERA’s Draft Decision on Western Power’s AA5 (published in September 2022), Western Power’s capital expenditure has increased by \$542.4 million over 2022-23 to 2026-27. The impacts of the ERA’s Final Decision on the AA5 (published 31 March 2023) will be reflected in the 2023-24 Mid-year Review;
- Western Power will spend an additional \$54.7 million over 2022-23 to 2026-27 to

replace its heavy vehicle fleet under its five-year replacement program as the current fleet is reaching end of life;

- Western Power will invest an additional \$42.7 million in 2023-24 on the relocation and upgrade of network assets across the metropolitan area;
- Synergy will invest an additional \$40.8 million over 2022-23 to 2026-27 on its existing generation assets to ensure their ongoing safety and reliability, and to complete key projects such as rehabilitation of the decommissioned Kwinana power station site. Infrastructure and system upgrades will also be completed to ensure readiness for the Wholesale Electricity Market reforms (which are due to commence in October 2023);
- Horizon Power will spend \$10 million over 2023-24 and 2024-25 in network resilience and planning for an 80% renewable energy design for a Power Purchase Agreement with an independent power producer to ensure continuity of electricity supply in Exmouth;
- Horizon Power will invest \$8.8 million over 2023-24 and 2024-25 to upgrade its Outage and Life Support Management System, to ensure better safety management for life support customers;
- Horizon Power will invest \$3.8 million in 2023-24 to construct six residential houses in regional locations to help address its staff accommodation needs;
- \$3.8 million will be spent over 2023-24 and 2024-25 by Horizon Power to upgrade its

transmission assets in Dampier and thereby maintain the reliability of electricity supply to its customers;

- Horizon Power will invest \$2.2 million in 2023-24 to deliver an Electric Vehicle (EV) Smart Charger and Vehicle-to-Grid trial. This will generate evidence on the operational impacts of using EVs to power homes and will test the controllability of smart chargers in its regional microgrids, which are more susceptible to fluctuations in energy demand; and
- Horizon Power will invest \$2 million in 2023-24 to roll out its Distributed Energy Resources Management System across its regional microgrids, in line with the Government’s August 2022 announcement. This software platform manages and controls all renewable assets connected to the network to ensure network stability for all customers.

Further information on electricity generation, transmission and distribution

Horizon Power
www.horizonpower.com.au

Western Power
 13 10 87
www.westernpower.com.au

Synergy
 13 13 54
www.synergy.net.au

Table 3: Significant electricity generation, transmission and distribution initiatives
Horizon Power

Project description	Region	Estimated total cost (\$ million)
Asset Management Plan – Safety	Regional WA	213
Customer Funded Works – Other Customer Driven Works	Regional WA	168
Asset Management Plan – Asset Replacement	Regional WA	152
Asset Management Plan – Reliability	Regional WA	114
Major Projects – Onslow Distributed Energy Resource Project	Pilbara	105
Asset Management Plan – Regulatory Compliance	Regional WA	61
Asset Management Plan – Knowledge and Technology Investment	Regional WA	59
Asset Management Plan – Property Management	Regional WA	58
Major Projects – Remote Communities – Transfer of Essential Services	Regional WA	54
Asset Management Plan – Mobile Plant and Operational Fleet	Regional WA	35
Asset Management Plan – Capacity	Regional WA	24

Synergy

Project description	Region	Estimated total cost (\$ million)
Generation – Muja Power Station	South West	180
Generation – Big Battery	Perth Metropolitan	174
Generation – Cockburn Gas Turbine	Perth Metropolitan	95
Generation – Collie Power Station	South West	92
Generation – Pinjar Gas Turbine	Perth Metropolitan	87
Corporate – Business Systems Replacement	Perth Metropolitan	85
Generation – Other Generation Infrastructure Projects	State-wide	75
Decarbonisation – Wind Generation	Wheatbelt	67
Generation – Kwinana Power Station	Perth Metropolitan	65
Decarbonisation – Battery Storage	Perth Metropolitan	46

Western Power

Project description	Region	Estimated total cost (\$ million)
Safety – Pole Management	State-wide	2,521
Growth - Distribution - Customer Access	State-wide	1,895

Project description	Region	Estimated total cost (\$ million)
Service – Business Support and ICT	State-wide	1,433
Service – Reliability Driven Asset Replacement	State-wide	1,261
Safety – Conductor Management	State-wide	916
Safety – Grid Transformation	State-wide	676
Service – Metering	State-wide	614
Growth – Transmission – Customer Driven	State-wide	559
Service – Regulatory Compliance	State-wide	428
Growth – Distribution – Capacity Expansion	State-wide	405
Service – Corporate Real Estate	State-wide	388
Safety – Standalone Power System	State-wide	283
Growth – Transmission – Capacity Expansion	State-wide	282
Government Initiatives – State Underground Power Program	Perth Metropolitan	230
Safety – Connection Management	State-wide	201
Other Asset Investment – Motor Vehicle Fleet and Mobile Plant	State-wide	169
Government Initiatives – Decarbonisation	Regional WA	126
Government Initiatives – Relocation and Augmentation of Network Assets	Perth Metropolitan	120
Safety – Bushfire Mitigation	State-wide	93
Security – Voltage and Fault Level Management	State-wide	44

Water, Wastewater and Drainage

Western Australia's public water and wastewater asset base includes approximately 52,000 kilometres of pipes and 1,600 pump stations to provide services to over two million connections across the State. Water is abstracted and treated in multiple facilities across the system to deliver safe drinking water quality to customers. There are over 100 wastewater treatment facilities to treat wastewater before returning it to the environment or recycling it for a range of uses. Stormwater drainage assets are comprised of bridges, basins, open channels, levees and piped systems that interact with local government networks and customer connections.

Since the 1970s, the southwestern part of Western Australia has experienced a 20% decline in average rainfall, reducing inflows to Perth's dams by 80%. The reduced surface water inflow to dams caused by a drying climate is resulting in the need for traditional water sources to be augmented with rainfall-independent sources.

Western Australia currently has two seawater desalination plants. Over the past five years on average, these provided around half the drinking water to homes and businesses across Perth.



Wellington Dam featuring mural | Credit: Roxanne Taylor



Groundwater replenishment

The State Government is forecast to spend around \$3.5 million over the four years to 2026-27 on water, wastewater and drainage services.

Water Corporation water infrastructure projects include:

- the Water Corporation will invest an additional \$84.8 million in 2023-24 on the relocation and upgrade of network assets across the metropolitan area;
- to enable the Alkimos Seawater Desalination Plant to meet the forecast commencement of operations in 2028, \$65.3 million will be spent on enabling works over 2022-23 and 2023-24;
- due to cost escalation in previously approved capital projects that form part of the regularisation of water and wastewater service provision in seven remote Aboriginal communities and 16 town-based communities, an additional \$42.6 million will be spent over the four years to 2026-27; and
- an infill sewerage program will be delivered at the METRONET Bennett Springs, Yanchep, Malaga, Meltham, Redcliffe, Kelmscott and Morley station precinct sites, and at selected sites in Kenwick and Maddington, at a cost of \$35.7 million across the forward estimates period (with a further \$19.7 million beyond this period). This investment will unlock strategic housing opportunities.
- Busselton Water Corporation projects include:
 - an investment of \$2.8 million over 2024-25 to 2026-27 to continue preliminary work on the Inland Borefield Transition (Plant 8) project. A

further \$28.4 million will be spent to complete the project beyond the forward estimates period. Plant 8 will replace the existing coastal bores threatened by seawater intrusion with a new inland borefield and treatment plant and assist in meeting increasing peak water demand from 2029-30;

- to assist with forecast peak water demand before Plant 8 is delivered, \$3.5 million will be spent over 2023-24 and 2024-25 on a new water storage tank at Water Treatment Plant 4. The tank will continue being used after Plant 8 is completed, assisting with water deficits on the network and maintenance or failures at treatment plants; and
- a total of \$1.6 million in 2023-24 will be spent to upgrade the main water supply pipeline along Caves Road, with the cost to be reimbursed by the Water Corporation.

Further information on water, wastewater and drainage

Water Corporation
13 13 85
www.watercorporation.com.au

Aqwest
+618 9780 9500
www.aqwest.com.au

Busselton Water
+618 9781 0500
www.busseltonwater.wa.gov.au

Table 4: Significant water, wastewater and drainage initiatives

Bunbury Water Corporation

Project description	Region	Estimated total cost (\$ million)
Water Resource Recovery Scheme – COVID-19 Response	South West	30

Water Corporation

Project description	Region	Estimated total cost (\$ million)
Metropolitan – Wastewater – Treatment Capacity	State-wide	658
Regional – Water – Supply Capacity	State-wide	542
Metropolitan – Water – Supply Capacity	State-wide	520
Metropolitan – Wastewater – Network Capacity	State-wide	506
Regional – Water – Network Renewals	State-wide	500
Service – Business Support Costs	State-wide	426
Metropolitan – Water – Network Capacity	State-wide	364
Metropolitan – Water – Network Renewals	State-wide	323
Service – Energy Infrastructure	State-wide	322
Service – Capital Support Costs	State-wide	256

Project description	Region	Estimated total cost (\$ million)
Regional – Water – Network Capacity	State-wide	243
Service – Operational Information and Control	State-wide	236
Metropolitan – Water – Supply Renewals	State-wide	217
Regional – Wastewater – Treatment Capacity	State-wide	209
Metropolitan – Wastewater – Network Renewals	State-wide	184
Service – Corporate Real Estate	State-wide	180
Regional – Irrigation	State-wide	167
Metropolitan – Wastewater – Treatment Renewals	State-wide	146
Relocation and Augmentation of Network Assets	Perth Metropolitan	132
Regional – Wastewater – Network Renewals	State-wide	100
Regional – Wastewater – Network Capacity	State-wide	92
Metropolitan – Drainage – Capacity	State-wide	69
COVID-19 Response – Remote Aboriginal Communities Accelerated Works	Kimberley	63
Regional – Wastewater – Treatment Renewals	State-wide	61
Election Commitment – Essential and Municipal Services Upgrade Program	Kimberley	61
Regional – Water – Supply Renewals	State-wide	59
Regional – Drainage – Renewals	State-wide	39

Project description	Region	Estimated total cost (\$ million)
Regional – Drainage – Capacity	State-wide	37
Metropolitan – Drainage – Renewals	State-wide	30

Education and Training Related Infrastructure

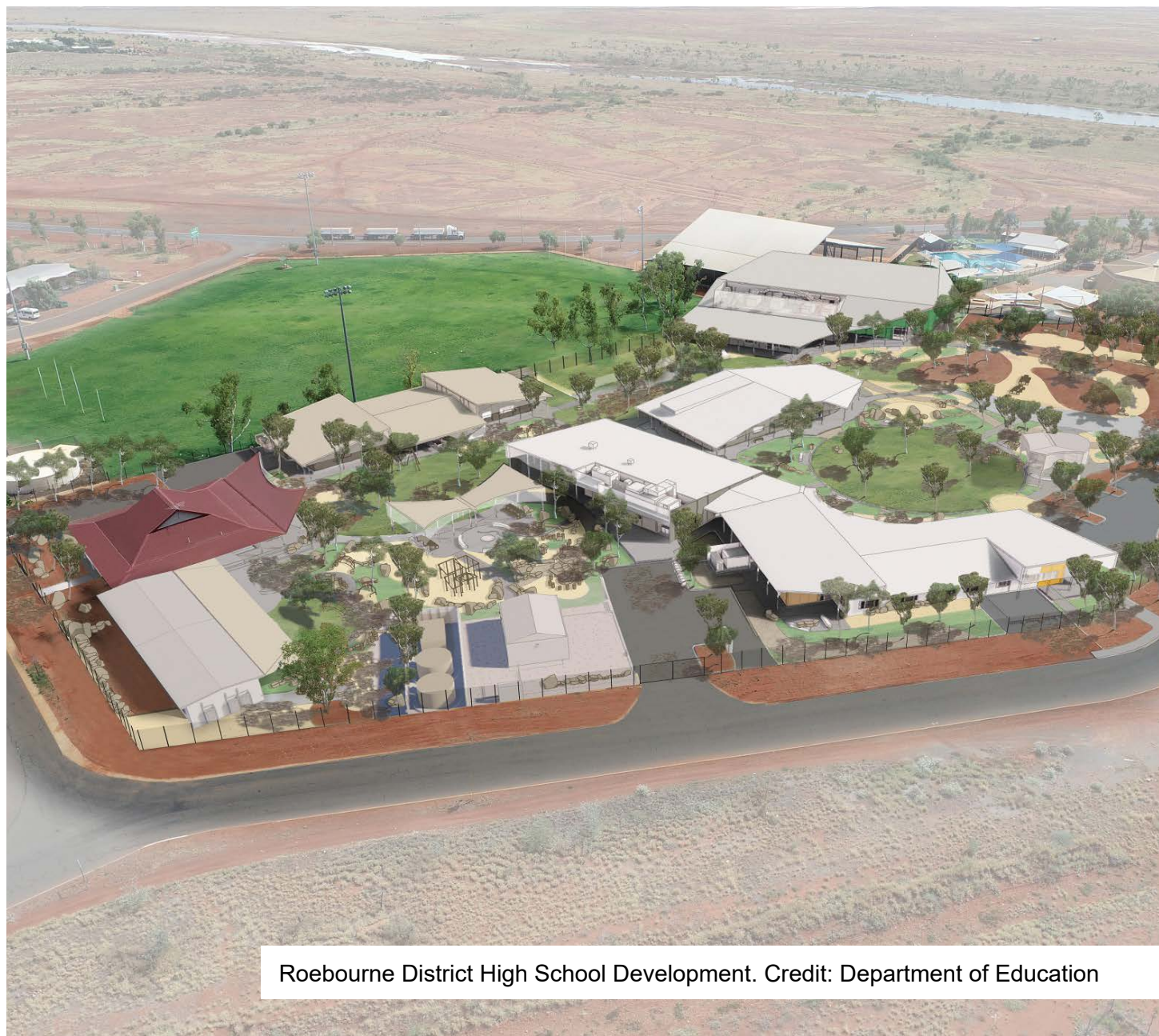
The Western Australian Government is committed to ensuring that all students across Western Australia have access to a quality education for a bright future, developing a skilled workforce that meets the State's economic and community needs.

More than 476,150 students were enrolled in 1,138 schools (kindergartens, primary schools, high schools and colleges across Western Australia) in 2022. Of these, 313 were non-government schools.

The State Government training system operates two metropolitan and three regional technical and further education (TAFE) services and delivers vocational education courses in over 50 locations across WA.

There are five universities in Western Australia.

The Budget also includes \$1.5 billion for the construction, refurbishment and expansion of public schools across the State, including \$100 million for major upgrades to Rockingham Senior High School and Education Support Centre and Safety Bay Senior High School.



Roebourne District High School Development. Credit: Department of Education

Additional funding has also been provided for high priority maintenance programs, including roof replacements, plaster glass and ceiling remediation (\$27.2 million), new education support facilities for low to moderate needs students at Wanneroo Secondary College and Waggrakine Primary School in Geraldton (\$21.4 million), and for progressing the Roebourne District High School re-development project (\$20.4 million).

The Western Australian Government is investing \$1.5 billion for the construction, refurbishment and expansion of public schools across Western Australia, including \$627 million in 2023-24. This includes:

- the Government has provisioned \$58 million over the forward estimates (with a further \$2 million outside the forward estimates), to be released upon approval of a business case, to deliver contemporary fit-for-purpose facilities at Rockingham Senior High School (which opened in 1971) and an education support centre;
- to undertake a major rebuild of Safety Bay Senior High School (which opened in 1978), including providing up-to-date facilities for students and staff, the Government has provisioned \$40 million from 2023-24 to 2026-27, to be released upon approval of a business case;

- to manage localised student enrolment pressures, a further \$41 million will be invested over 2023-24 and 2024-25 to facilitate the acquisition and delivery of additional transportable classrooms for the 2024 school year;
- the Government will invest an additional \$27.2 million over 2023-24 and 2024-25 on high priority maintenance programs, including roof replacements, plaster glass and ceiling remediation, as well as upgrades to school alarm systems and fire services. This includes recurrent expenditure of \$1.7 million in 2023-24;
- in response to growing demand, the Government will deliver new education support facilities for low to moderate needs students at Wanneroo Secondary College and Waggrakine Primary School in Geraldton, at a total cost of \$21.4 million over 2023-24 to 2026-27;
- to progress the Roebourne District High School redevelopment project, a further \$20.4 million will be invested over the forward estimates (including \$10.2 million in reprioritised investment across the Department's Asset Investment Program);
- to relieve accommodation pressure at Brabham Primary School, the Government will invest an additional \$11.6 million over 2022-23 to 2024-25 in an offsite early learning education facility for kindergarten and pre-primary students; and

- the Government will invest \$6.8 million over 2023-24 to 2026-27 to improve and restore aged assets at regional agricultural colleges and farm schools.

Other projects include the Building and Construction Industry Training Board will invest \$700,000 in 2023-24 to refresh exhibits and improve mobility access at the Construction Futures Centre in Belmont, and deliver ICT enhancements to improve cyber security and the client user web portal.

Further information on education and training related infrastructure

Department of Education
+618 9264 4111
www.education.wa.edu.au

Department of Training and Workforce Development
+ 618 6551 5000
www.dtwd.wa.gov.au

Table 5: Significant education and training related infrastructure initiatives**Department of Education**

Project description	Region	Estimated total cost (\$ million)
Miscellaneous – Small Asset Capital Purchases	State-wide	576
New Primary Schools (2025-2029) Locations to be Determined	State-wide	251
Transportable Classrooms	State-wide	124
Additions and Improvements to Secondary Schools – Science, Technology, Engineering and Mathematics – Election Commitments	State-wide	87
Miscellaneous – Land Acquisition – Land for Primary Schools	State-wide	77
Additions and Improvements to District High Schools – Roebourne District High School – COVID-19 Response	Pilbara	72
Additions and Improvements to Secondary Schools – Rockingham Senior High School and Education Support Centre	Perth Metropolitan	60
New Secondary Schools – Piara Waters Senior High School – COVID-19 Response	Perth Metropolitan	59
Additional Stages at Secondary Schools – Bob Hawke College Stage 2 – COVID-19 Response	Perth Metropolitan	53
Additional Stages at Secondary Schools – Alkimos College Stage 2 – Election Commitments	Perth Metropolitan	51
Miscellaneous – Universal Access Program	State-wide	51
Additions and Improvements to Secondary Schools - Election Commitment – John Forrest Secondary College – Redevelopment	Perth Metropolitan	50
Additions and Improvements to Secondary Schools - Election Commitment – Balcatta Senior High School – Redevelopment	Perth Metropolitan	49

Project description	Region	Estimated total cost (\$ million)
Miscellaneous – Compliance Programs – Plaster Glass Ceiling Replacement and Remediation	State-wide	46
Miscellaneous – High Priority Maintenance and Minor Works Program Capital Component	State-wide	43
New Secondary Schools – Alkimos College	Perth Metropolitan	43
Additions and Improvements to Primary Schools – Brabham Primary School – Additional Accommodation including Education Support Centre	Perth Metropolitan	42
Additions and Improvements to Secondary Schools – Safety Bay Senior High School	Perth Metropolitan	40
Additions and Improvements to Secondary Schools – Rossmoyne Senior High School – Election Commitments	Perth Metropolitan	39
Additions and Improvements to Secondary Schools – Duncraig Senior High School – Election Commitments	Perth Metropolitan	38
Miscellaneous – Land Acquisition – Land Acquisition – General	State-wide	37
Miscellaneous – Schools Clean Energy Program – Election Commitments	State-wide	35
Miscellaneous – Infrastructure Power Upgrades	State-wide	33
Additions and Improvements to Secondary Schools – Carine Senior High School – COVID-19 Response	Perth Metropolitan	32
Miscellaneous – Air Conditioning Replacement Program	State-wide	32
Additions and Improvements to Secondary Schools – Karratha Senior High School – COVID-19 Response	Pilbara	32
Secondary Schools – Public Private Partnership Retained Costs	State-wide	31
Additions and Improvements to Secondary Schools – Ashdale Secondary College	Perth Metropolitan	29
Additions and Improvements to Secondary Schools – Ridge View Secondary College Stage 2 – COVID-19 Response	Perth Metropolitan	28

Project description	Region	Estimated total cost (\$ million)
Additions and Improvements to Secondary Schools – John Curtin College of the Arts – Election Commitments	Perth Metropolitan	27
New Primary Schools – Wattleup (East) Primary School	Perth Metropolitan	27
New Primary Schools – Henley Brook Primary School	Perth Metropolitan	27
New Primary Schools – Wellard Village Primary School	Perth Metropolitan	26
Additions and Improvements to Secondary Schools – Kalamunda Senior High School – COVID-19 Response	Perth Metropolitan	26
Miscellaneous – Roof Replacement	State-wide	26
New Primary Schools – Madora Bay Primary School	Peel	26
Additions and Improvements to Secondary Schools – Derby District High School	Kimberley	26
Additions and Improvements to Secondary Schools – Lynwood Senior High School – COVID-19 Response	Perth Metropolitan	25
Additions and Improvements to Primary Schools – Harrisdale Primary School – Additional Accommodation	Perth Metropolitan	25
New Primary Schools – Dayton Primary School	Perth Metropolitan	24
New Primary Schools – Landsdale Gardens Primary School	Perth Metropolitan	24
New Primary Schools – Shorehaven Primary School	Perth Metropolitan	23
Additional Stages at Secondary Schools - Byford Secondary College Stage 4 – Election Commitments	Peel	22
New Primary Schools – Riva Primary School	Perth Metropolitan	21
Additions and Improvements to Secondary Schools – Joseph Banks Secondary College – COVID-19 Response	Perth Metropolitan	21
New Primary Schools – Hillarys Primary School (Rebuild)	Perth Metropolitan	20

Department of Training and Workforce Development

Project description	Region	Estimated total cost (\$ million)
Remedial Works Program – Remedial Works Program	State-wide	142
New Buildings and Additions at TAFE Colleges – North Metropolitan TAFE – Balga Campus – Specialist Teaching Block – COVID-19 Response	Perth Metropolitan	48
New Buildings and Additions at TAFE Colleges – North Regional TAFE – Pundulmurra Trade Expansion (South Hedland) – COVID-19 Response	Pilbara	43
New Buildings and Additions at TAFE Colleges – South Metropolitan TAFE – Armadale Training Campus – COVID-19 Response	Perth Metropolitan	39
New Buildings and Additions at TAFE Colleges – South Regional TAFE – Albany Trade Workshop – COVID-19 Response	Great Southern	22
New Buildings and Additions at TAFE Colleges – North Metropolitan TAFE – Joondalup Light Auto Workshop – COVID-19 Response	Perth Metropolitan	20

TAFE Colleges

Project description	Region	Estimated total cost (\$ million)
South Metropolitan TAFE – Asset Replacement Program	Perth Metropolitan	28

Health Related Infrastructure

The State Government has recently undertaken a comprehensive review (the 2019 Sustainable Health Review) to prioritise the delivery of patient-centred, high quality and financially sustainable healthcare across the State.

The Department of Health, supported by the Health Service Providers, is responsible for the provision of health services in the State, including through 85 hospital sites across Western Australia.

The Budget invests \$2.6 billion on health and mental health infrastructure over the next four years (including \$801 million in 2023-24). In addition to the allocation of \$544 million of spending on the new Women and Babies Hospital, the Government has approved the following key initiatives to address growing demand for health and mental health services:

- Stage 1 of the Graylands Reconfiguration and Forensic Taskforce project (including the construction of at least 53 new forensic mental health beds), at a cost of \$219 million;
- a total of \$150 million (jointly funded with the Commonwealth Government) for the Bentley Health Service Surgicentre, to expand hospital capacity and help address the waitlist for elective surgeries;
- a further investment of \$99.4 million to complete Stage 1 of the Electronic Medical Records Program, including completion of the roll-out of Digital Medical Records and Single Sign-on functionality at all public hospitals; and



Mother and child in a maternity ward

- an additional \$81.1 million to expand the delivery of public services at St John of God Midland Public Hospital.

Significant investments include:

- following an initial investment of \$5.9 million in the 2022-23 Budget, an additional \$36.3 million has been committed over 2023-24 to 2026-27 to construct an integrated, multidisciplinary health facility hub in Byford. The facility will improve access to health, social and wellbeing services in the Shire of Serpentine Jarrahdale;
- the Government will spend \$2.1 million over 2023-24 to 2025-26 to fund an additional 100 car parking bays at the Albany Health Campus to address the current shortage of parking spaces;
- in the 2022-23 Budget, \$10.2 million was allocated out of the new Women and Babies Hospital Special Purpose Account (SPA) to progress planning for the new Women and Babies Hospital. Following this work, the Fiona Stanley Hospital Precinct has been identified as the preferred location for the new hospital. The hospital will provide expanded services for women and babies, to be built without disruption to patients and staff, and provide improved parking and transport connectivity. A further \$544 million has been allocated over 2023-24 to 2026-27 from the SPA to commence works on the FSH site;
- the Government will boost the Medical Equipment and Imaging Replacement Program by investing an additional \$45.2 million over 2023-24 and 2024-25 to replace high priority medical and imaging equipment that is at the end of its useful life;

- to continue implementation of the Critical Health ICT Infrastructure Program and Cyber Security Programs, an additional \$39.2 million will be spent over 2023-24 to 2025-26 (including \$15.8 million of recurrent expenditure). These critical ICT programs will improve cyber security functionality available through the recent upgrade of Microsoft Enterprise Agreement licences, address critical cyber security risks, reduce network breaches, and improve compliance with the State Cyber Security Policy;
- to provide additional medical imaging services, the Government will spend \$12.9 million over 2023-24 to 2025-26 to install a third CT scanner at Sir Charles Gairdner Hospital. The new CT scanner will address capacity issues and mitigate the impact of any maintenance downtime with the existing CT scanners;
- WA Health will proceed to tender to undertake full remediation works associated with aluminium composite panels at Fiona Stanley Hospital through a \$12.7 million allocation over 2022-23 to 2024-25 out of the State-wide provision for cladding remediation;
- a further \$10 million will be spent in 2023-24 to undertake minor building works across the health system, bringing this program to a total of \$20.6 million in 2023-24;
- the Government has allocated a further \$8.2 million over 2023-24 and 2024-25 to address critical regional staff accommodation priorities aimed at supporting the attraction and retention of the health workforce needed to deliver essential health care services across regional and remote Western Australia;

- \$7.7 million will be spent over 2022-23 to 2024-25 to reconfigure Ward 5A at the Perth Children's Hospital to create more therapeutic and activity space to improve patient care;
- \$5.4 million will be reprioritised within South Metropolitan Health Service's current approved budget settings in 2022-23 for the construction of a patient transfer bridge between Fiona Stanley Hospital and the new Murdoch Medihotel;
- a new Smart Referrals Outpatient System will be implemented at an estimated cost of \$8.2 million over 2023-24 to 2026-27 (including \$3.9 million of recurrent expenditure). This system will improve management of, and access to, specialist outpatient services and elective surgery; and
- to address cost escalation associated with challenging construction market conditions, \$2 million has been approved in 2023-24 to ensure the delivery of the Broome Step Up/ Step Down facility.

Further information on health related infrastructure

Department of Health
+618 9222 4222
www.health.wa.gov.au

Table 6: Significant health related infrastructure initiatives²
WA Health

Project description	Region	Estimated total cost (\$ million)
Hospitals, Health Centres and Community Facilities – New Women and Babies Hospital Project	Perth Metropolitan	1,787
Equipment – Medical Equipment and Imaging Replacement Program	State-wide	634
Hospitals, Health Centres and Community Facilities – Bunbury Hospital Redevelopment – Election Commitments	South West	278
Hospitals, Health Centres and Community Facilities – Joondalup Health Campus Development Stage 2 – Election Commitments	Perth Metropolitan	267
Information and Communication Equipment and Infrastructure – Human Resource Management Information System	State-wide	225
Hospitals, Health Centres and Community Facilities – Graylands Reconfiguration and Forensics Project	Perth Metropolitan	219
Hospitals, Health Centres and Community Facilities – Minor Buildings Works Program	State-wide	178
Hospitals, Health Centres and Community Facilities – District Hospital Investment Program	Regional WA	158
Hospitals, Health Centres and Community Facilities – Karratha Health Campus Development	Pilbara	158
Hospitals, Health Centres and Community Facilities – Bentley Health Service – Surgicentre	Perth Metropolitan	150
Hospitals, Health Centres and Community Facilities – Peel Health Campus – Redevelopment	Peel	150
Hospitals, Health Centres and Community Facilities – Modulars – 4 x 30-Bed Ward Units – COVID-19 Response	State-wide	146
Hospitals, Health Centres and Community Facilities – Hedland Regional Resource Centre Stage 2	Pilbara	136
Information and Communication Equipment and Infrastructure – Electronic Medical Record Program	State-wide	136

² This table shows capital expenditure only. There may be additional recurrent expenditure not included in the table.

Project description	Region	Estimated total cost (\$ million)
Hospitals, Health Centres and Community Facilities – Geraldton Health Campus Redevelopment – Election Commitments	Mid West	123
Hospitals, Health Centres and Community Facilities – Busselton Health Campus	South West	115
Hospitals, Health Centres and Community Facilities – St John of God Midland – Public Hospital Expansion	Perth Metropolitan	81
Hospitals, Health Centres and Community Facilities – Newman Health Service Redevelopment Project	Pilbara	62
Hospitals, Health Centres and Community Facilities – Kalgoorlie Regional Resource Centre Redevelopment Stage 1	Goldfields-Esperance	57
Hospitals, Health Centres and Community Facilities – Meekatharra Hospital – Election Commitments	Mid West	49
Equipment – COVID-19 Medical Equipment – COVID-19 Response	State-wide	48
Hospitals, Health Centres and Community Facilities – Fremantle Mental Health Beds – Election Commitments	Perth Metropolitan	47
Hospitals, Health Centres and Community Facilities – Renal Dialysis and Support Services	Regional WA	44
Hospitals, Health Centres and Community Facilities – Byford Health Hub – Election Commitments	Peel	41
Information and Communication Equipment and Infrastructure – Replacement of Medical Imaging System Picture Archiving and Communication System – Radiology Information System	State-wide	39
Information and Communication Equipment and Infrastructure - Fiona Stanley Hospital – ICT Capital Replacement	Perth Metropolitan	37
Hospitals, Health Centres and Community Facilities – Sarich Neuroscience Research Institute Centre	Perth Metropolitan	35
Hospitals, Health Centres and Community Facilities – King Edward Memorial Hospital Critical Infrastructure	Perth Metropolitan	34
Hospitals, Health Centres and Community Facilities – Sir Charles Gairdner Hospital – GMP Laboratories and Cyclotron	Perth Metropolitan	34
Hospitals, Health Centres and Community Facilities – Tom Price Hospital Redevelopment	Pilbara	33

Project description	Region	Estimated total cost (\$ million)
Hospitals, Health Centres and Community Facilities – Primary Health Centres Demonstration Program	Regional WA	32
Hospitals, Health Centres and Community Facilities – Esperance Health Campus Redevelopment	Goldfields-Esperance	31
Hospitals, Health Centres and Community Facilities – Sir Charles Gairdner Hospital – Emergency Department Upgrade and Behavioural Assessment Urgent Care Centre – COVID-19 Response	Perth Metropolitan	30
Information and Communication Equipment and Infrastructure – Fiona Stanley Hospital – ICT Commissioning	Perth Metropolitan	29
Hospitals, Health Centres and Community Facilities – Country Staff Accommodation Stage 3	Regional WA	27
Hospitals, Health Centres and Community Facilities – Laverton Hospital	Goldfields-Esperance	27
Hospitals, Health Centres and Community Facilities – Royal Perth Hospital - Intensive Care Unit (ICU) – Election Commitments	Perth Metropolitan	26
Hospitals, Health Centres and Community Facilities – Bentley Health Service – Secure Extended Care Unit	Perth Metropolitan	24
Hospitals, Health Centres and Community Facilities – Carnarvon Hospital Redevelopment	Gascoyne	24
Hospitals, Health Centres and Community Facilities – Remote Indigenous Health	Regional WA	24
Information and Communication Equipment and Infrastructure – Critical Health ICT Infrastructure Program	State-wide	24
Hospitals, Health Centres and Community Facilities – Sir Charles Gairdner Hospital – ICU	Perth Metropolitan	23
Equipment – COVID-19 Vaccination System and Equipment – COVID-19 Response	State-wide	23
Hospitals, Health Centres and Community Facilities – Sir Charles Gairdner Hospital – 24 Hospital Beds	Perth Metropolitan	22
Hospitals, Health Centres and Community Facilities – Osborne Park Hospital – Election Commitments	Perth Metropolitan	22

Social Housing and Other Residential Facilities

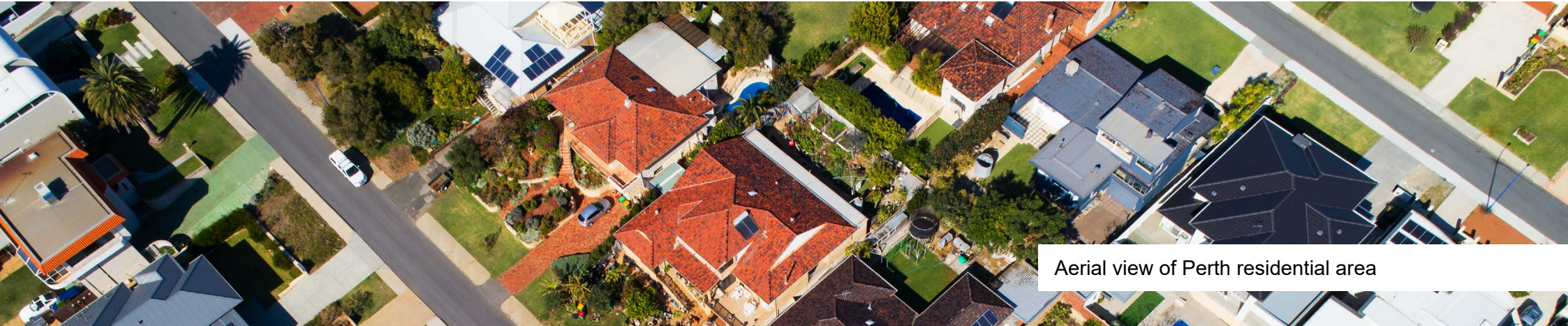
The State Government partners with industry, developers, landowners, community housing organisations, not-for-profit organisations and local government to provide quality affordable and social housing.

This Budget includes a further \$450 million investment in social housing and homelessness. This is expected to deliver around 700 additional social housing dwellings and fund the purchase of around 100 houses in regional locations to provide accommodation for rough sleepers, bringing the Government's total commitment to deliver 4,000 additional dwellings.

To support the delivery of essential services in regional Western Australia, a further \$61.6 million will be invested over the forward estimates period for new houses and refurbishment of existing houses for the Government Regional Officer Housing program.



Houses being built



Aerial view of Perth residential area

These investments include:

- an additional \$444.1 million between 2023-24 and 2026-27 to boost housing stock in the State's social housing program, comprising:
 - \$208.7 million for construction of new social housing dwellings;
 - \$200.2 million for the acquisition of additional social housing dwellings through spot purchasing; and
 - \$35.2 million to deliver dwellings through industry partnership projects.
- \$77.5 million (funded from the remainder of the original \$750 million allocation to the SHIF) will be spent over 2023-24 to 2026-27 on the refurbishment of approximately 553 social housing dwellings. Refurbishments provide a value for money solution to maintaining existing social housing stock levels, particularly in the context of current market conditions which have driven up the cost of new builds;
- to address demand for Government Regional Officer Housing (GROH), the Government will spend an additional \$61.6 million over the forward estimates period, including \$40.9 million to acquire new dwellings and purchase land for future construction and \$19.7 million to refurbish 133 existing GROH properties. The Department will spend \$1.1 million to undertake a comprehensive review and reform of the GROH program; and
- \$13.5 million will be spent over 2022-23 and 2023-24 to purchase 19 new dwellings to support progress towards implementing out-of-home care sector service reforms.

Further information on social housing and other residential facilities

Department of Communities
1800 176 888
www.wa.gov.au/organisation/departments-of-communities

Table 7: Significant housing and other residential initiatives

Department of Communities

Project description	Region	Estimated total cost (\$ million)
Investment into New Social Housing	State-wide	959
Land – Acquisition Program	State-wide	357
Government Regional Officer Housing Program	Regional WA	216
Metronet – METRONET Social and Affordable Housing and Jobs Package	Perth Metropolitan	117
Housing and Homelessness Investment Package – New Social Housing Builds	State-wide	99
Social Housing Economic Recovery Package – Refurbishments	State-wide	96
Crisis Accommodation Program	State-wide	76
Housing and Homelessness Investment Package – Common Ground – Perth	Perth Metropolitan	71
Social Housing Economic Recovery Package – New Builds	State-wide	50
Goodstart Shared Equity Program	State-wide	47
Housing and Homelessness Investment Package – Land Acquisition	State-wide	36
Aboriginal Short Stay Accommodation – Perth	Perth Metropolitan	31
Housing and Homelessness Investment Package – Common Ground – Mandurah	Peel	28
Aboriginal Short Stay Accommodation – Geraldton	Mid West	28
Social Housing Economic Recovery Package – Land Acquisition	State-wide	24

Project description	Region	Estimated total cost (\$ million)
Aboriginal Short Stay Accommodation – East Kimberley	Kimberley	21
Housing and Homelessness Investment Package – Shared Equity	State-wide	21
Social Housing – Supportive Landlord Model	State-wide	20

Port Facilities

Western Australia's ports play a major role in powering the Australian economy.

The Western Australian Government is proceeding with its transformational Westport program – one of Australia's most complex and exciting infrastructure projects that will support the State's economic growth for the next century.

Westport represents a rare opportunity to plan for a contemporary fit-for-purpose and sustainable port in Kwinana's Outer Harbour, optimising cutting-edge technology and environmental outcomes. This new port will be fully integrated into a newly built trade network – comprising dedicated road and rail freight corridors, and state-of-the-art logistical support infrastructure.

The Western Australian Government has committed almost \$500 million to Westport, with the next two years focusing on Stage 3 business case development and progressing enabling works (including land acquisition to secure the port and trade network footprint and deconstrain future construction). The business case will allow Government to decide when to initiate the following procurement, detailed design and construction.

The 2023-24 Budget invests a total of \$1.9 billion in port infrastructure (and associated land acquisition) over the next four years, which is crucial to support and facilitate the expansion of existing and new industries.



Aerial view of Kwinana Bulk Jetty



Hedland port | Credit: Pilbara Ports Authority

This includes the following new initiatives:

- to facilitate the efficient export of mineral sands products, the Government will invest \$15 million in 2023-24 on upgrades at the Port of Broome. Planned works include the installation of a new concrete deck and piles, extension of an existing concrete deck and demolition of an existing cargo shed situated on the wharf;
- the Fremantle Port Authority is replacing the existing import system for cement clinker at the Kwinana Bulk Terminal. It will spend an additional \$6.8 million in 2023-24 to meet cost escalation and to install a dual walkway (for safety reasons). The project has a revised total cost of \$61.8 million and is estimated to be completed by mid-2024;
- the Kimberley Ports Authority will spend \$1.8 million in 2023-24 to undertake electrical upgrades on ageing assets at the ports of Wyndham (\$1.3 million) and Derby (\$500,000);
- the Mid West Ports Authority (MWPA) will spend \$10 million over 2023-24 and 2024-25 for early stage works on a boat building precinct at the Geraldton Fishing Boat Harbour. This will support local industry and enable the acquisition of land for the Port Maximisation Project, which will facilitate a range of new resource projects in the Mid West region;
- to provide safer working conditions for staff and enhance reliability of operations across the port, MWPA will replace 10 ring main units (electrical switchgear) at a cost of \$5.4 million over 2023-24 and 2024-25;
- to ensure compliance with environmental guidelines, MWPA will spend \$1.8 million in 2023-24 to construct a wastewater treatment plant. The plant will assist in protecting the marine environment from wastewater discharge at the Port of Geraldton caused by infrastructure washdown activities;
- the Port Hedland Voluntary Buy-Back Scheme allows residents within Port Hedland's West End area (close to port operations) the opportunity to voluntarily sell their property for a commercially attractive, Government-guaranteed market price. Pilbara Ports Authority will spend an additional \$29.9 million over 2022-23 and 2023-24 under this scheme, reflecting an increase in the average price for the purchase of eligible properties;



Fremantle port

- an additional \$21.3 million will be invested in 2023-24 to complete the Tug Haven Revetment Wall Upgrade Project to a design that can accommodate larger tugs and increased wind and wave actions during cyclonic conditions;
- Southern Ports Authority (SPA) will spend \$17.4 million over 2023-24 and 2024-25 to renew operational technology across the Ports of Albany, Bunbury and Esperance. This will improve the reliability of service delivery, reduce maintenance and engineering times, and mitigate risks of hardware failures and cyber security attacks;
- to improve safety and provide roads which are fit for purpose for heavy vehicle access, the Government will invest \$7.4 million in 2023-24 to upgrade roads at the Port of Esperance;
- to upgrade electrical infrastructure at the Ports of Albany and Bunbury, SPA will spend \$6.8 million over 2023-24 to 2025-26. The upgrades will mitigate safety, fire and reliability risks of ageing infrastructure and reduce the costs of maintenance and testing;
- an investment of \$6.5 million in 2023-24 will facilitate repairs to the Berth 2 crane at the Port of Esperance. The repairs will support the dry bulk cargo trade (such as grains and nickel) through the Port of Esperance, which is dependent on the crane for unloading; and
- SPA will spend \$5.7 million over 2023-24 and 2024-25 to replace a multiuser Berth 8 conveyor at the Port of Bunbury with a wider conveyor system. This will meet growing demand by increasing throughput capacity and port efficiency, and also reduce maintenance costs.

Further information on port facilities

Fremantle Port Authority
+618 9430 3555
www.fremantleports.com.au

Kimberley Ports Authority
+618 9194 3100
www.kimberleyports.wa.gov.au

Mid West Ports Authority
+618 9964 0520
www.midwestports.com.au

Pilbara Ports Authority
+618 6217 7112
www.pilbaraports.com.au

Southern Ports Authority
+618 9235 8000
www.southernports.com.au

Westport
+618 6551 6525
www.westport.wa.gov.au

Table 8: Significant port infrastructure initiatives

Fremantle Port Authority

Project description	Region	Estimated total cost (\$ million)
Outer Harbour – Kwinana Bulk Terminal – Material Handling Infrastructure Renewal of Import System – COVID-19 Response	Perth Metropolitan	56
Inner Harbour Infrastructure Refurbishment Program	Perth Metropolitan	36
Outer Harbour – Kwinana Bulk Terminal – Infrastructure, Equipment Replacement and Upgrade	Perth Metropolitan	35
North Quay – Land Acquisitions	Perth Metropolitan	22

Kimberley Ports Authority

Project description	Region	Estimated total cost (\$ million)
Major Port Infrastructure – Supply Base	Kimberley	45

Mid West Ports Authority

Project description	Region	Estimated total cost (\$ million)
Port Maximisation Project	Mid West	350

Pilbara Ports Authority

Project description	Region	Estimated total cost (\$ million)
Dampier Cargo Wharf Extension	Pilbara	195
Port of Port Hedland – Hedland Maritime Initiative	Pilbara	175
Port of Port Hedland – Election Commitment – Spoilbank Marina	Pilbara	160
Port of Port Hedland – Lumsden Point General Cargo Facility and Logistics Hub	Pilbara	129
Port of Port Hedland – Tug Haven Revetment Wall Upgrades – COVID-19 Response	Pilbara	73
Minor Works – 2022-23 Program	Pilbara	49
Port of Ashburton – Port Infrastructure Construction Project	Pilbara	32
Minor Works – 2024-25 Program	Pilbara	20
Minor Works – 2025-26 Program	Pilbara	20
Minor Works – 2026-27 Program	Pilbara	20
Port of Port Hedland – Inner Harbour Revetment Upgrades – COVID-19 Response	Pilbara	20

Southern Ports Authority

Project description	Region	Estimated total cost (\$ million)
Port of Bunbury – Inner Harbour Access Bridge – COVID-19 Response	South West	20

Law and Order Related Infrastructure

The Western Australia Police Force (WA Police Force) is tasked with policing the world's largest police jurisdiction, from an infrastructure base of over 200 police facilities.

The Department of Justice (Justice) is primarily responsible for providing policy and administration to the judiciary, State Government and community. Justice and corrective services are delivered from a wide infrastructure base of courthouses, prisons, adult community correction centres, work camps, youth detention centres, youth justice centres and other administrative centres.

Investment in facilities to support community safety totals \$570 million over the period 2023-24 to 2026-27. New investments include:

- to upgrade and maintain the State's emergency radio network and equipment utilised by frontline public safety agencies, the Government will invest a total of \$81.7 million, comprising:
 - \$43.6 million for the Western Australia Police Force over 2022-23 to 2024-25 to deliver the capital upgrades, and a further \$8.2 million of recurrent expenditure for project and technical resources;



Kalgoorlie Police Station

- \$19.3 million for the Department of Justice over 2022-23 to 2024-25; and
- \$10.3 million for the Department of Fire and Emergency Services over 2022-23 to 2024-25, and a further \$272,000 for associated recurrent costs over this period;
- the Government will invest an additional \$12.5 million in 2023-24 to continue modernisation of ICT systems including mitigating cyber security risks and improving the Western Australia Police Force's digital capability. A further \$12.5 million will be spent on program resources in 2023-24;
- to ensure the health and safety of staff and prisoners, the Department will invest \$2.4 million over 2022-23 and 2023-24 on critical maintenance and remediation work at Broome Regional Prison; and
- an additional \$26.4 million will support the delivery of Fremantle Police Complex, Baldivis Police Station and Forrestfield Police Station for a greater presence in these localities, thereby enhancing community safety.

Further information on law and order related infrastructure

Department of Justice
13 67 57
www.wa.gov.au/organisation/departments-of-justice

Western Australia Police
131 444
www.police.wa.gov.au

Table 9: Significant law and order related infrastructure initiatives

Department of Justice

Project description	Region	Estimated total cost (\$ million)
Custodial – Casuarina Prison Expansion – Stage 2	Perth Metropolitan	204
Custodial – Building Upgrades and Replacement	State-wide	98
Custodial – Adult Facilities	State-wide	59
Custodial – Banksia Hill Detention Centre Upgrades and Urgent Works	Perth Metropolitan	48
Administrative – Information Projects – ICT Infrastructure Upgrade	Perth Metropolitan	34
Courts – Court Audiovisual Maintenance and Enhancements	State-wide	30

Western Australia Police Force

Project description	Region	Estimated total cost (\$ million)
Land and Buildings Infrastructure – Fremantle Police Complex – COVID-19 Response	Perth Metropolitan	100
Land and Buildings Infrastructure – Armadale Courthouse and Police Complex	Perth Metropolitan	77
ICT and Radio Infrastructure – Emergency Services Radio Network	State-wide	47
Fleet and Equipment – Helicopter Replacement	Perth Metropolitan	47

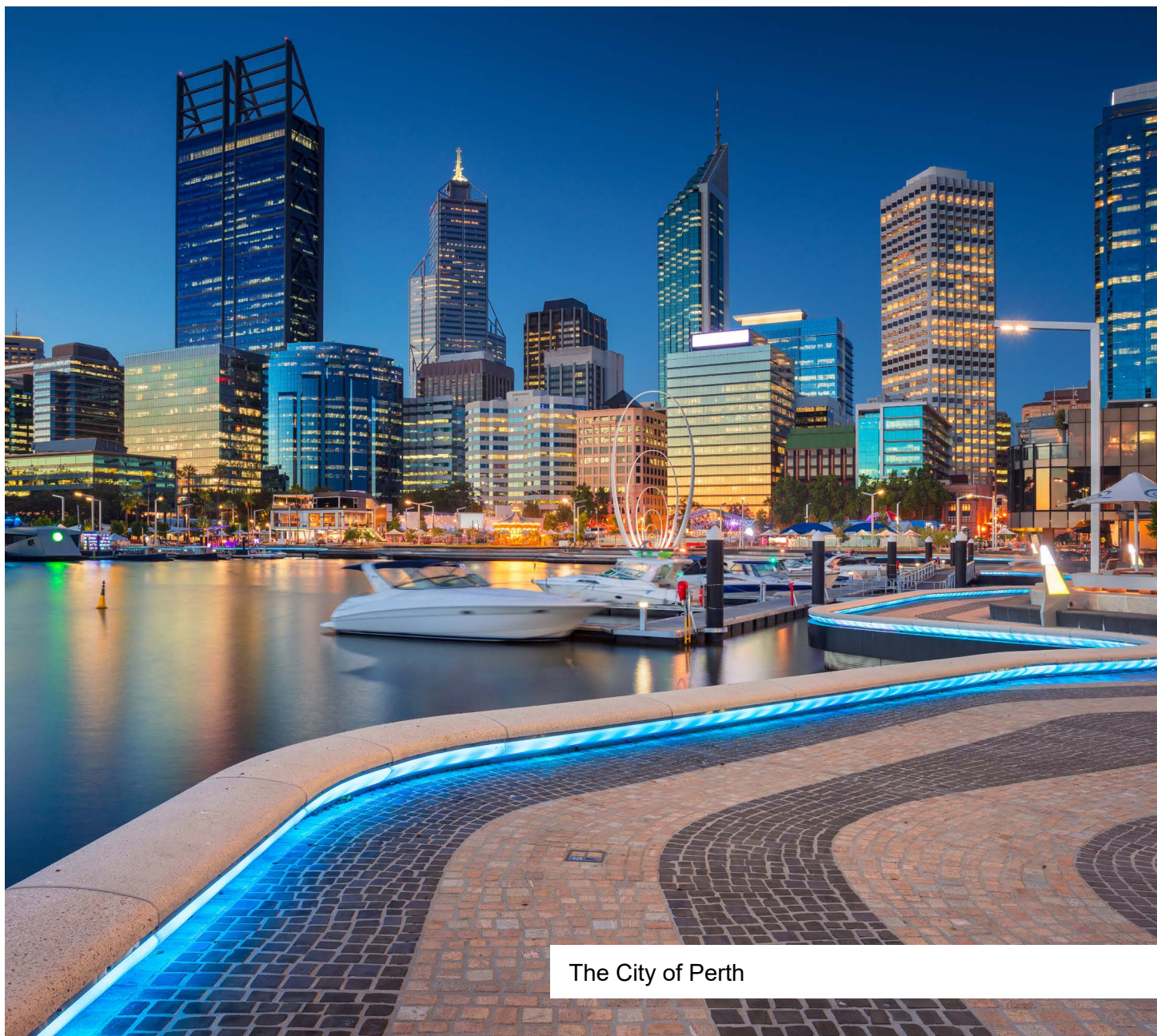
Project description	Region	Estimated total cost (\$ million)
Land and Buildings Infrastructure – 950 Police Officer Infrastructure Program – West Kimberley District Support Facility	Kimberley	30
Land and Buildings Infrastructure – Refurbishment of Police Stations – COVID-19 Response	State-wide	30
Fleet and Equipment – Asset Equipment Management Program 2022-2024	State-wide	26
Land and Buildings Infrastructure – Forrestfield Police Station – Election Commitments	Perth Metropolitan	26
Land and Buildings Infrastructure – Baldivis Police Station – Election Commitments	Perth Metropolitan	25
ICT and Radio Infrastructure - Digital Capability Fund – ICT Transformation Program	State-wide	24
Fleet and Equipment – Asset Equipment Management Program 2024-2028	State-wide	22

Other Significant Investment and Economic Diversification Initiatives

The Government is committed to growing and diversifying the Western Australian economy to drive new sources of innovation and growth, improve resilience of the economy to resources demand, and ensure shared prosperity for all Western Australians.

Key initiatives include:

- Perth City Deal – a \$1.7 billion deal to reenergise Perth, bringing government and private investment into the Central Business District, creating almost 10,000 jobs while encouraging more people back into the city, creating flow-on economic benefits for small businesses. Under the deal, key initiatives include:
 - Edith Cowan University's new city campus will offer a world-class creative industries, business and technology university campus in Perth's CBD, adjacent to Yagan Square and will attract students and staff to live, study and work in the CBD. The total project value is \$853 million with a contribution of \$199 million from the State Government which includes land valued at \$50 million;



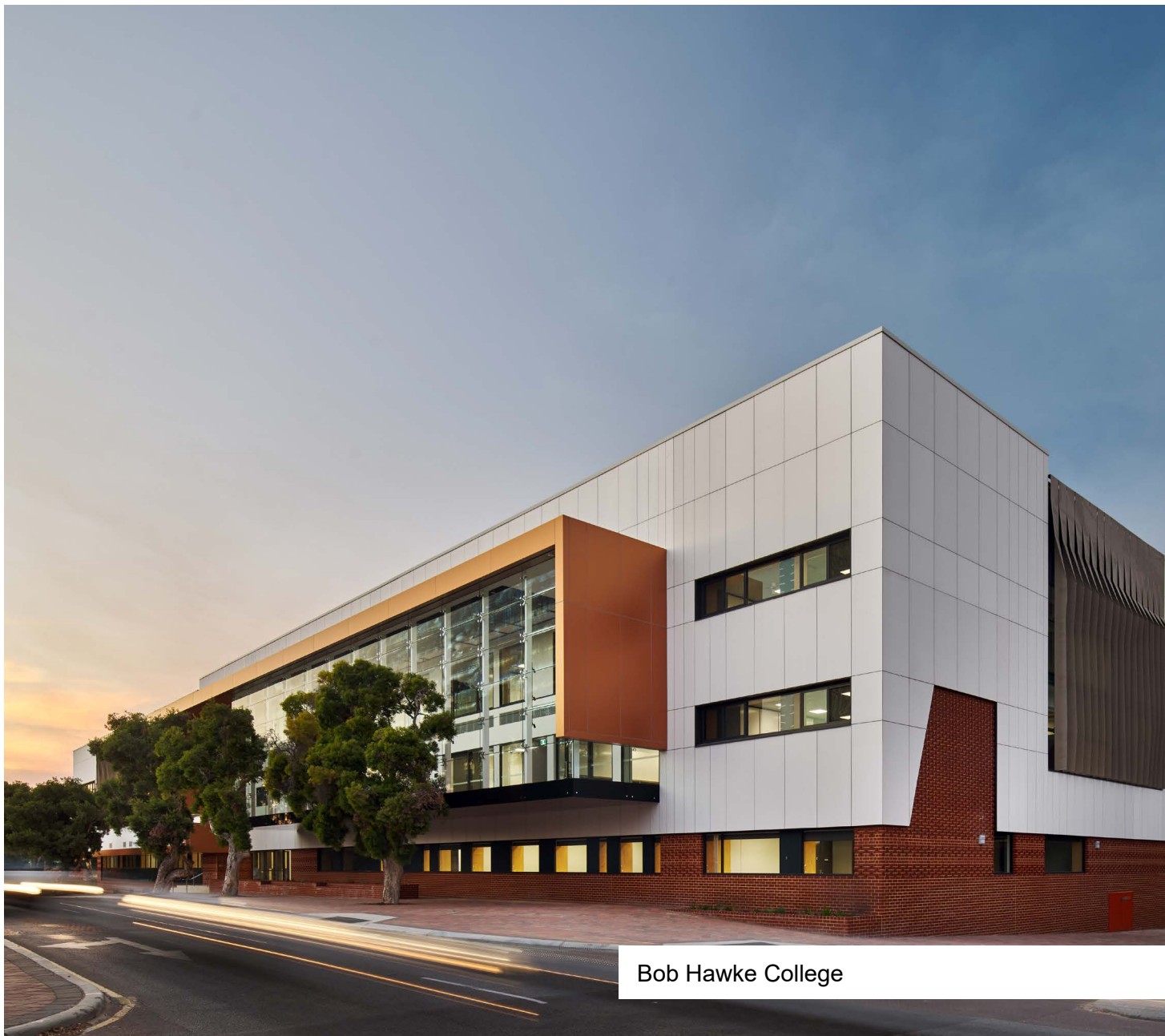
The City of Perth

- Curtin University will include the expansion of the Graduate School of Business and Law School, the creation of a healthcare and clinical training facility and the expansion of the university's capacity to deliver short courses and post graduate programs in core sought-after areas in business, technology, analytics and STEM programs;
- the Causeway Pedestrian and Cyclist Bridges (\$100 million) will be built and manufactured locally in Western Australia by Western Australian workers and will become an iconic part of the Perth skyline across the river, providing better transport connections to and from the CBD for cyclists and pedestrians;
- plans for the Western Australian Cricket Association ground improvement project include a high-performance cricket centre, public aquatic, health and fitness facilities, an all-abilities playground and contemporary event and function spaces;
- \$54 million for consultation, planning and design works for an Aboriginal Cultural Centre located near the Derbarl Yerrigan (Swan River);
- a total investment of \$150 million in the Perth Concert Hall Redevelopment will see the venue deliver an even better experience for patrons and performers. It will also provide a permanent home to the WA Symphony Orchestra – our State's largest employer of performing artists;
- an investment of \$70.9 million at East Perth Common Ground to provide housing and support services to vulnerable people in need who are experiencing homelessness and rough sleeping in Perth. This investment will support the delivery of emergency and long-term housing services, including wraparound services, to assist people to permanently exit homelessness;
- \$39.5 million to develop transport infrastructure that will unlock the redevelopment of the East Perth Power Station. It includes a pedestrian bridge from the East Perth train station across East Parade, upgrades to Summers Street, and a future ferry jetty; and
- \$35 million to rejuvenate Perth's Cultural Centre precinct to create vibrant, safe and attractive areas to connect Perth's cultural institutions and the surrounds, delivering improved liveability, cultural and tourism outcomes for the city.
- the Government will invest \$126.3 million over the forward estimates, and \$135 million in total, to redevelop the State Hockey Centre following Western Australia's successful bid to host the Hockey Australia High Performance Program and Centre of Excellence (HACE). A further \$1.5 million over the forward estimates has been approved for the payment of annual grants to Hockey Australia and Hockey WA, to support delivery of the HACE;
- the Government will spend an additional \$97.9 million over 2022-23 to 2026-27 on the Perth Concert Hall redevelopment to secure the future of the venue and to provide the West Australian Symphony Orchestra with a permanent home. The total approved budget for the redevelopment is now \$150.3 million;
- capital expenditure of \$48 million over 2023-24 to 2026-27 has been allocated to facilitate the medium to high density urban infill development project in Bentley. As a boost to social and affordable housing, the project will deliver more than 900 residential dwellings, including approximately 130 social houses. A further \$11.3 million has also been approved for remediation works over 2023-24 and 2024-25 to deliver this project;
- to complete Stage 2B of the Transforming Bunbury's Waterfront project, the Government has approved additional investment totalling \$5 million over 2022-23 and 2023-24;
- the Government has allocated \$27.5 million over 2023-24 to 2026-27 to undertake Stage 2 of the Wadjemup Burial Ground and Quod Project on Rottnest Island. This includes \$18.5 million of capital expenditure to complete the Burial Ground redevelopment component of the project and to undertake high priority maintenance works on the Quod Building on the island. A further \$9 million will meet operational costs associated with the works and allow State-wide consultation to develop the Truth-Telling and Ceremony components of the project;
- an additional \$1.7 million will be invested in 2023-24 to develop an online central registration system for dogs and cats to support the Government's Stop Puppy Farming commitment. A further \$765,000 of recurrent spending has been approved to support the new system;

- the Government spent an additional \$3.8 million in 2022-23 to meet cost pressures and upgrade secondary change rooms, facilitating completion of works at HBF Park for the 2023 Women's World Cup; and
- the Government has approved an additional \$1.5 million in 2022-23 towards the replacement of the main scoreboard (screen) at RAC Arena, which is nearing the end of its useful life.

Further information

Find a WA Government agency
www.wa.gov.au/agency



Bob Hawke College

Table 10: Other significant investment and economic diversification initiatives

Department of Biodiversity, Conservation and Attractions

Project description	Region	Estimated total cost (\$ million)
Rottnest Island Authority – Electrical Infrastructure Upgrade	Perth Metropolitan	55
Election Commitments – Perth Zoo Master Plan 2040	Perth Metropolitan	30
Election Commitments – Tourism Package – Peri-Urban Parks	Perth Metropolitan	29
Infrastructure Stimulus Package – Perth Zoo Café/Function Centre – COVID-19 Response	Perth Metropolitan	22

DevelopmentWA

Project description	Region	Estimated total cost (\$ million)
Development of Land – Industrial Lands Authority Program – Industry and Infrastructure Acquisition and Development	State-wide	1,759
Development of Land – Regional Program – Regional Land Acquisition and Development	Regional WA	1,725
Metropolitan Land Acquisition and Development	Perth Metropolitan	1,668
Residential Projects and Land Development for Social and Affordable Housing	State-wide	768
Development of Land – Metropolitan Program – Ocean Reef Marina	Perth Metropolitan	283
Development of Land – Metropolitan Program – Subi East Precinct	Perth Metropolitan	143

Project description	Region	Estimated total cost (\$ million)
Development of Land – Metropolitan Program – East Perth Power Station	Perth Metropolitan	88
Development of Land – Metropolitan Program – Alkimos Central	Perth Metropolitan	79
Development of Land – Residential Program – Bentley Residential Redevelopment	Perth Metropolitan	48
Australian Marine Complex Superyacht Fabrication Facility and Infrastructure – COVID-19 Response	Perth Metropolitan	39
Development of Land – Industrial Lands Authority Program – Election Commitment – Peel Business Park, Nambeelup	Peel	37
Development of Land – Industrial Lands Authority Program – Forrestdale Business Park	Perth Metropolitan	32
Neerabup Australian Automation and Robotics Park – COVID-19 Response	Perth Metropolitan	21

Department of Finance

Project description	Region	Estimated total cost (\$ million)
Accommodation Fitout Projects - Lease Incentive Funded Office Fit-outs	State-wide	171
Vehicle Acquisitions – 2023-24 Program	State-wide	127
Vehicle Acquisitions – 2026-27 Program	State-wide	87
Vehicle Acquisitions – 2022-23 Program	State-wide	86
Vehicle Acquisitions – 2025-26 Program	State-wide	85
Vehicle Acquisitions – 2024-25 Program	State-wide	83
Accommodation Fitout Projects – Parliamentary Precinct Office Accommodation – COVID-19 Response	Perth Metropolitan	27
Software Development – Digital Transformation Program	Perth Metropolitan	21

Department of Fire and Emergency Services

Project description	Region	Estimated total cost (\$ million)
Vehicle Programs – Primary Fire and Emergency Fleet	State-wide	141
Land and Building Works – Facility Modifications	State-wide	66
Plant and Equipment Works – Equipment Replacement Program	State-wide	29
Intangible Asset Development	Perth Metropolitan	28
Land and Building Works – VFRS/VFES Upgrade and Replacement Program	State-wide	24

Forest Products Commission

Project description	Region	Estimated total cost (\$ million)
Softwood Plantation Expansion Program	South West	146

Gold Corporation

Project description	Region	Estimated total cost (\$ million)
Plant and Equipment Replacement Program	Perth Metropolitan	131

Local Government, Sport and Cultural Industries

Project description	Region	Estimated total cost (\$ million)
Perth Concert Hall Redevelopment – COVID-19 Response	Perth Metropolitan	150
Local Government, Sport and Cultural Industries – State Hockey Centre – Design and Construction	Perth Metropolitan	135
Screen Production Facility	Perth Metropolitan	107
Local Government, Sport and Cultural Industries – State Football (Soccer) Centre	Perth Metropolitan	46
Aboriginal Cultural Centre	Perth Metropolitan	45
Local Government, Sport and Cultural Industries – Perth Cultural Centre	Perth Metropolitan	35

Department of Primary Industries and Regional Development

Project description	Region	Estimated total cost (\$ million)
New Metropolitan Facility	Perth Metropolitan	320
Pilbara Hydrogen Hub (Administered)	Pilbara	64
Equipment Replacement Program	Perth Metropolitan	59
Provision for Future Royalties for Regions Projects (Administered)	Pilbara	50
North West Aboriginal Housing Initiative	Regional WA	27
Small Boats and Trailers Rolling Program	State-wide	22

Racing and Wagering Australia

Project description	Region	Estimated total cost (\$ million)
Wagering Systems and Products	Perth Metropolitan	70
Other Works	Perth Metropolitan	26
Business Systems and Products	Perth Metropolitan	25

Department of Water and Environmental Regulation

Project description	Region	Estimated total cost (\$ million)
State Groundwater Investigation Program	State-wide	31
Replace and Maintain Monitoring Bores	State-wide	29
COVID-19 Response – Environment Online	State-wide	27

WA Sports Centre Trust

Project description	Region	Estimated total cost (\$ million)
Optus Stadium Capital Works	Perth Metropolitan	40
HBF Park – Stadium Modifications to Host 2023 FIFA Women’s World Cup	Perth Metropolitan	36
Optus Stadium Building Cost Finalisation	Perth Metropolitan	24

Appendix 1 - Significant Private Sector and Non-Government Engineering and Non-Residential Capital Projects^(a)

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Woodside and BHP – Scarborough and Pluto Train 2 LNG	Oil and gas extraction	Pilbara	16,500	Under construction
Perdaman – Burrup Urea	Chemicals	Pilbara	6,400	Under construction
Covalent Lithium JV (Sociedad Quimica y Minera de Chile and Wesfarmers) – Mt Holland	Lithium	South Eastern	2,600	Under construction
Fortescue Metals Group Ltd – Eliwana	Iron ore	Pilbara	1,800	Under construction
Rio Tinto – Robe Valley B, C and H	Iron ore	Pilbara	1,339	Under construction
Perth Airport Pty Ltd – Phase 1 and 2 upgrades	Air and space	Perth	1,000	Under construction
Rio Tinto – deposits C and D, West Angelas	Iron ore	Pilbara	802	Under construction
Mitsui and Beach Energy – Waitsia Onshore	Oil and gas extraction	Central	768	Under construction
Dutch Infrastructure Fund, Macquarie Capital and Phoenix Energy – Avertas Energy Kwinana waste-to-energy plant	Electricity supply	Perth	696	Under construction
New Energy – East Rockingham waste-to-energy plant	Electricity supply	Perth	511	Under construction
Brookfield Property Partners and Cbus property group – Esplanade Plaza	Offices	Perth	500	Under construction
Sheffield Resources and YGH Australia Investment (Yansteel) – Thunderbird	Mineral sands	Kimberley	484	Under construction

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
APA Group – Northern Goldfields Interconnect gas pipeline	Pipeline and other transport	Unallocated	460	Under construction
Strandline Resources – Coburn	Mineral sands	Central	338	Under construction
Curtin University – Exchange mixed-use development	Educational	Perth	300	Under construction
IGO Ltd – Odysseus mine at Cosmos	Nickel	South West	200	Under construction
Cockburn Cement – Milling plant consolidation	Non-metal products	Perth	199	Under construction
Newcrest and Greatland Gold – Havieron	Gold	Pilbara	146	Under construction
Mineral Resources – Parker Range	Iron ore	Midlands	130	Under construction
Calidus Resources – Warrawoona	Gold	Pilbara	120	Under construction
Blackham Resources – Wiluna/Matilda	Gold	Central	114	Under construction
St Barbara Ltd – Gwalia	Gold	Midlands	80	Under construction
Rio Tinto – Dampier port upgrades	Iron ore	Pilbara	70	Under construction
Funday Investments Pty Ltd – Outback Splash water park	Culture and recreation	Perth	70	Under construction
Ramsay Health Care – Emergency department at Hollywood Hospital	Health and community	Perth	67	Under construction
Harvest Road – Koojan Downs	Agriculture	Midlands	50	Under construction
Scentre Group – Westfield Whitford City redevelopment	Retail	Perth	N/A	Under construction
SKS Group – mixed-use development, Fremantle	Accommodation	Perth	N/A	Under construction
LandCorp and Shoreline – Cockburn urban redevelopment	Other non-residential	Perth	N/A	Under construction

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Finbar Group – Civic Heart mixed-use development, South Perth	Other commercial	Perth	N/A	Under construction
Far East Consortium – Perth Hub mixed use development	Accommodation	Perth	N/A	Under construction
CA and Associates – EQ West mixed-use development, Elizabeth Quay	Accommodation	Perth	N/A	Under construction
Devwest – Richardson Centre mixed-use development, South Perth	Offices	Perth	N/A	Under construction
Golden Group – Belmont Park development	Offices	Perth	N/A	Under construction
Carmel Group and Aegis Aged Care Group – mixed-use development, Joondalup	Aged care	Perth	N/A	Under construction
LandCorp, Fini Group, Iris Residential and Primewest – Montario Quarter mixed-use development, Shenton Park	Accommodation	Perth	N/A	Under construction
Development WA – Alkimos Central	Retail and wholesale trade	Perth	N/A	Under construction
Hesperia – Murdoch Health and Knowledge Precinct	Health (non-aged care)	Perth	N/A	Under construction
Zenith Energy – Hybrid solar-diesel power station at IGO's Nova mine	Electricity supply	South Eastern	N/A	Under construction
Australasian Resources Ltd –Balmoral South	Iron ore	Pilbara	2,000	Under consideration
GME Resources – NiWest	Nickel	South Eastern	966	Under consideration
BCI Minerals Limited – Buckland	Iron ore	Pilbara	744	Under consideration
Edith Cowan University – Relocation of Mount Lawley Campus to Perth	Education	Perth	695	Under consideration
Perth Airport Pty Ltd – New Runway Project	Air and space	Perth	520	Under consideration

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Buru Energy and Mitsubishi Development Pty Ltd – Great Northern Pipeline	Gas supply	Kimberley	500	Under consideration
Neometals – Barrambie	Vanadium/titanium	Central	484	Under consideration
Fortescue Metals Group Ltd – Queens Valley	Iron ore	Pilbara	414	Under consideration
Apex Clean Energy – Flat Rock Wind Farm	Electricity supply	South West	400	Under consideration
Energy and Minerals Australia and Vimy Resources – Mulga Rock	Uranium	South Eastern	393	Under consideration
Perth Airport Pty Ltd – car parks at Perth Airport Terminal 1	Road	Perth	370	Under consideration
Brockman Resources Ltd and Mineral Resources – Marillana	Iron ore	Pilbara	300	Under consideration
Venturex Resources – Pilbara Copper-Zinc Project	Copper/zinc	Pilbara	279	Under consideration
Toro Energy Ltd – Wiluna Uranium Project	Uranium	Central	269	Under consideration
Macarthur Minerals – Ularring	Iron ore	South West	263	Under consideration
Pilbara Minerals Ltd – Pilgangoora	Lithium	Pilbara	231	Under consideration
Red 5 – King of the Hills	Gold	South Eastern	226	Under consideration
Atlantic Vanadium Pty Ltd – Windimurra	Vanadium	Midlands	213	Under consideration
Strike Energy – West Erregulla	Oil and gas extraction	Midlands	200	Under consideration
St John of God Health Care – St John of God Subiaco Hospital Redevelopment	Health and community	Perth	200	Under consideration

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Dexus Property Group – Carillon City shopping centre	Retail and wholesale trade	Perth	200	Under consideration
Perron Group – Cockburn community hub	Retail and wholesale trade	Perth	200	Under consideration
Investa Commerical Property Fund and Eureka Funds Management – QV1 skyscraper upgrade, with possible QV2 and QV3 skyscrapers	Offices	Perth	150	Under consideration
Amalgamated Australia Investment Group – Capital Square mixed-use development	Offices	Perth	140	Under consideration
Rio Tinto – Winu	Metal ores	Pilbara	122	Under consideration
The Kimberley Marine Support Base – floating jetty	Water	Kimberley	110	Under consideration
Northern Star – Bronzewing	Gold	South East	100	Under consideration
GDI Property Group – office building, Perth	Offices	Perth	100	Under consideration
Cbus and Far East Consortium – King's Campus office building, Perth	Offices	Perth	100	Under consideration
Primewest – office building, Joondalup	Offices	Perth	80	Under consideration
BHP– Automation of shiploaders, Port Hedland	Water	Pilbara	50	Under consideration
Woodside – Burrup Hub	Oil and gas extraction	Pilbara	N/A	Under consideration
Atlas Iron – McPhee Creek	Iron ore	Pilbara	N/A	Under consideration
Poseidon Nickel – Golden Swan	Nickel	South Eastern	N/A	Under consideration
St John of God Health Care – Mandurah hospital	Health and community	Perth	N/A	Under consideration

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Australian Development Capital – Leadlight Hotel, Northbridge	Hotels	Perth	N/A	Under consideration
EG Funds and ICD Property – development at former Megamart site, Northbridge	Other non-residential	Perth	N/A	Under consideration
Australian Development Capital – mixed-use development at Perth Girls' School site, East Perth	Accommodation	Perth	N/A	Under consideration
SKS Group – mixed-use development, Cockburn	Accommodation	Perth	N/A	Under consideration
Woodside, BP, PetroChina, Shell and Japan Australia LNG – Browse	Oil and gas extraction	Kimberley	30,000	Possible
Gorgon joint venture – Gorgon LNG project	Oil and gas extraction	Pilbara	10,000	Possible
Hydrogen Renewables Australia and Siemens Australia Pacific – Murchison Renewable Hydrogen project	Chemicals	Central	10,000	Possible
Aurizon, Baowu, AMCI and Posco – West Pilbara iron ore project	Iron ore	Pilbara	7,400	Possible
Crosslands Resources – Jack Hills	Iron ore	Pilbara	3,700	Possible
Alcoa – Wagerup refinery (Stage 3B)	Alumina	South West	1,700	Possible
Oz Minerals – West Musgrave	Copper/nickel	South Eastern	1,100	Possible
FIJV Pty Lid – Yogi	Iron ore	Central	1,060	Possible
Northern Star Resources – Fimiston Mill	Gold	South Eastern	1,000	Possible
Woodside Petroleum – H2Perth	Chemicals	Perth	1,000	Possible
Western Australia Offshore Windfarm – Binningup	Electricity supply	South West	1,000	Possible

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Rio Tinto – solar farms and battery storage	Electricity supply	Pilbara	897	Possible
Liontown Resources – Kathleen Valley	Lithium	South Eastern	895	Possible
Griffin Coal – Bunbury Port Inner Harbour coal storage and loading	Water	South West	800	Possible
Rio Tinto – Dampier seawater desalination plant	Water supply and drainage	Pilbara	600	Possible
Ardea Resources Ltd – Goongarrie	Nickel/cobalt	South Eastern	472	Possible
Newmont Mining – Boddington	Gold	South West	400	Possible
Tidal Energy Australia – Derby Tidalpower	Electricity supply	Pilbara	400	Possible
Caruso Group – reverse osmosis plant at Wellington Dam	Water supply and drainage	South West	300	Possible
Zijin Mining – Binduli Heap Leaching Project	Gold	South Eastern	276	Possible
Evolution Mining – Mungari Mill	Gold	South Eastern	250	Possible
Tronox Limited – Dongara and Cooljarloo West	Mineral sands	Midlands	220	Possible
Duxton Hotel Perth – hotel redevelopment	Hotels	Perth	100	Possible
Perth Racing – Belmont Racecourse redevelopment	Recreation	Perth	80	Possible
Sandfire Resources – Thanduna-Green Dragon project	Copper	Central	70	Possible

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Alcoa – Wagerup refinery (Stage 4)	Alumina	South West	60	Possible
Sabre Resources – Sherlock Bay	Nickel	Pilbara	N/A	Possible
Golden West Resources Ltd – Wiluna West	Iron ore	Central	N/A	Possible
Cameco – Yeelirrie	Uranium	Central	N/A	Possible
Flinders Mines and Todd Corporation – Flinders and Balla Balla	Iron ore	Pilbara	N/A	Possible
Caravel Minerals – Caravel	Copper	Midlands	N/A	Possible
Cameco and Mitsubishi – Kintyre	Uranium	Pilbara	N/A	Possible
North West Infrastructure – South West Creek	Water	Pilbara	N/A	Possible
Fortescue Metals Group and Sinosteel – Oakajee rail and port development	Water	Central	N/A	Possible
Hesperia – Gloucester Park redevelopment	Culture and recreation	Perth	N/A	Possible
Scentre Group and AMP Capital – Westfield Booragoon Garden City shopping centre redevelopment	Retail	Perth	N/A	Possible
Perth Airport Pty Ltd – Perth Airport hotel	Hotels	Perth	N/A	Possible
Marriott and Saracen Properties – Westin resort and residential village, Margaret River	Resorts	South West	N/A	Possible
Finbar Group – mixed-use project at former Port Hedland hospital site	Other non-residential	Pilbara	N/A	Possible
Brookfield Property Partners – mixed-use development	Offices	Perth	N/A	Possible
3 Oceans Property – Iconic Scarborough mixed-use development	Accommodation	Perth	N/A	Possible

Company/project	Product	Location ^(b)	Total cost (\$ million)	Status
Kuraland – mixed-use tower, Claremont	Retail and wholesale trade	Perth	N/A	Possible
Adrian Fini – Smiths Beach resort	Accommodation	South West	N/A	Possible
Gurner Group, Costa Property Group and Grange Development Consulting – mixed-use development, Nedlands	Retail and wholesale trade	Perth	N/A	Possible
Grange Development – Project C6 mixed-use development	Entertainment and recreation	Perth	N/A	Possible
Asian Renewable Energy Hub	Electricity supply	Pilbara	N/A	Possible
Fortescue Future Industries – renewable energy hub	Electricity supply	Pilbara	N/A	Possible
Iluka Resources – Rare earths refinery	Rare earth elements	Central	1,200	Committed
Talison Lithium – Greenbushes	Lithium	South West	516	Committed
Lynas Corporation – Mt Weld	Rare earth elements	South Eastern	500	Committed
BHP – dust emission suppression, Port Hedland	Iron ore	Pilbara	300	Committed
Mitsui – Yuri green hydrogen project	Chemicals	Pilbara	87	Committed
Brookfield Property Partners – mixed-use towers, Elizabeth Quay	Offices	Perth	N/A	Committed

(a) Source: Deloitte Access Economics Investment Monitor Database.

(b) Regional boundaries in Appendix 1 are as defined by the Deloitte Access Investment Monitor. These may differ from Western Australian Government regional boundaries.

Appendix 2 - Tendering Information

There are many State Government agencies that offer potential contracts to industry. Explore the links below to find supply opportunities that may be available to your business.

Tenders WA

[Tenders WA](#) is the central source of information on Western Australian public sector requests for tender and awarded contracts. Western Australian government departments and agencies use this website to advertise their public requests and early tender advice, as well as publish awarded contracts.

Industry link – Upcoming Opportunities to Contract to WA Government

The Western Australian Government purchases a huge variety of goods, services, works and community services from thousands of businesses each year. [Industry Link](#) is a highlevel summary of anticipated upcoming procurements to assist industry to identify opportunities to contract with the Western Australian Government. The listed contracting opportunities are provided as a guide only and are subject to change.

