

# Great Southern

## Regional Planning and Infrastructure Framework .....

Part B: Regional Infrastructure Planning

December 2015



Department of  
Planning



Western  
Australian  
Planning  
Commission

**GREAT SOUTHERN**  
Development Commission



# Great Southern

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## Regional Planning and Infrastructure Framework



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The infrastructure projects identified in the Regional Planning and Infrastructure Framework are based on existing unaudited information available from State agencies, utilities and departments. The infrastructure listed is not comprehensive and estimates of infrastructure, timeframes and costs are indicative only. Infrastructure identified is based upon the information available at the time of enquiry, and may be subject to review and change to meet new circumstances. Infrastructure identified in the Regional Planning and Infrastructure Framework should not be taken as a commitment by Government to fund these projects. Unless otherwise indicated, public funding of projects is not confirmed.

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## Appendices - Context and analysis (Separate attachment)

For information purposes only. Available online at [www.planning.wa.gov.au/frameworks](http://www.planning.wa.gov.au/frameworks)

# Great Southern

Regional Planning and Infrastructure Framework







## 1 Infrastructure and planning initiatives

In developing this Framework, the anticipated direction for regional infrastructure has been contemplated. As a result, a range of infrastructure projects have been identified that could achieve the Region's vision. However, there are competing funding needs across the State, and the identification of projects in this Framework should not be taken as a commitment for Government funding. Individual projects will still be subject to normal budgetary and Treasury processes.

Table A: Planning initiatives

Table B: Committed regional infrastructure projects

Table C: Anticipated directions for regional infrastructure



*Courtesy: Stephanie Clegg*

## 2 Implementation of the Framework

The Framework will be used to guide planning decisions by the WAPC and will also guide budgetary decisions of the Department of Treasury. It should be noted that the Framework should not be read as a commitment by Government.

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Regional Planning and Infrastructure Framework





**Table A: Planning initiatives**

\*\* The numbers correspond to the reference numbers in the Regional Initiatives tables (Section 2.3 to Section 2.9).

No**	Initiatives	Details
	<b>Albany Port Authority</b>	
A1	Plan for the expansion of trade through the Port of Albany	Implement the recommendations of the Albany Port Strategic Plan and the Albany Port Land Use Management Plan.
	<b>Department of Agriculture and Food</b>	
A2	Identify High Quality Agricultural Land	Undertake a review of soil, land, rainfall and water resource data to better describe and characterise the region's agricultural land and identify High Quality Agricultural Land for planning purposes.
A3	Opportunities for greenhouse gas abatement by the agricultural sector in the Great Southern	Research opportunities to invest in crops, improve operational procedures and alternate technologies that have greenhouse gas abatement benefits.
	<b>Department of Culture and the Arts / Art Gallery of Western Australia</b>	
A4	A regional art gallery for the Great Southern	Assess the need for a regional art gallery in Albany. If the need is demonstrated, undertake a comparative assessment of alternatives such as construction of a new facility or restoration of the Vancouver Arts Centre site, dedicated building or co-location with related facilities. The assessment to include consideration of capital and operational costs and technical issues (such as climate control).
	<b>Department of Culture and the Arts / WA Museum (Albany)</b>	
A5	Progress implementation of the Kinjarling Trail and Stories Strategic Plan	Seek relevant approvals for, and implement, the 90km Kinjarling Trail and Stories Strategic Plan.
A6	Progress the concept of a multi-purpose community-based space for arts development, tourism and performance	Develop the concept and undertake a feasibility study for a shared multi-purpose space incorporating gallery space, an Indigenous Culture Centre and Keeping Place, practice and public performance spaces, retail and studio and theatre/lecture spaces. Joint project with Department of Aboriginal Affairs, Albany Aboriginal Heritage Reference Group and City of Albany.



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No**	Initiatives	Details
<b>Department of Parks and Wildlife</b>		
A7	Support the implementation of the next phase of the Albany Regional Vegetation Survey	<p>Albany Regional Vegetation Survey Phase 2 – Conservation and Regional Planning:</p> <ul style="list-style-type: none"> <li>• Identify priority areas for conservation including consideration of threatening processes and the maintenance of ecological linkages;</li> <li>• Interpret and utilise vegetation information to inform priority conservation areas for fauna;</li> <li>• Identify critical areas requiring restoration; and</li> <li>• Utilise this information for strategic regional land use planning.</li> </ul> <p>A collaborative initiative with the City of Albany and Department of Planning.</p>
A8	Provide advice on suitable environmental offsets to development	In order to assist the assessment of proposals potentially affecting matters of national environmental significance, provide advice on important habitat areas for conservation and options for the translocation of endangered species.
A9	Facilitate wider access to wetland mapping, classification and evaluation information	Finalise and release existing wetland mapping, classification and evaluation information, particularly to assist the assessment of land use planning and development proposals in key areas in co-operation with the Department of Water.
A10	Undertake a program of wetland mapping, classification and evaluation around key settlement areas	Expand the program of wetland mapping, classification and evaluation undertaken in Albany to other key settlement areas in the region. This should include the definition of wetland buffers in areas under development pressure. A collaborative initiative with the Department of Water.
<b>Department of Aboriginal Affairs</b>		
A11	Maintenance audit of Aboriginal heritage sites	Audit the adequacy of measures to protect and maintain heritage sites and recommend maintenance of new infrastructure where necessary.
<b>Department of Mines and Petroleum</b>		
A12	Identify and protect strategic basic raw materials and mineral resources	Identify existing and potential sites for regionally significant basic raw materials including agricultural limesand and limestone and other strategic mineral resources and make recommendations for their protection in relevant planning instruments.
<b>Department of Planning</b>		
A13	Review of the Lower Great Southern Strategy	Review the Lower Great Southern Strategy to provide updated land–use planning guidance to the City of Albany and Shires of Denmark, Plantagenet and Cranbrook.
A14	Provide a snapshot of land supply in Albany and sub-regional centres	Prepare Regional Hotspot publications for Albany, Mt Barker, Katanning, Denmark and Kojonup and district centres to highlight future residential, commercial and industrial land supply constraints.
A15	Consideration of wind and other renewable energy resources	Identify possible locations that comprise a wind and/or other renewable energy resource where it could be used for an end of grid or stand-alone energy source.

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A16	Provide a framework for more detailed assessment of coastal vulnerability by local governments	In accordance with an accepted methodology, undertake an assessment of geology, geomorphology and vulnerability along the region's coast, focusing on Albany, Denmark and other coastal settlement areas to prepare for possible impacts of sea level rise.
A17	Facilitate the protection and restoration of native vegetation and ecological linkages	Undertake desktop assessment in accordance with an agreed methodology to identify opportunities for the protection and restoration of native vegetation, habitat areas and ecological linkages via land use planning mechanisms, to assist with implementation of local biodiversity strategies/plans, the South Coast Macro Corridor Network and Gondwana Link.
A18	Protect the region's valued natural, rural and urban visual landscape character and the way in which the public access these views	Identify valued natural, rural and urban landscapes and viewing experiences (e.g. scenic travel routes) and develop generic guidance on how to protect these through incorporation of relevant provisions in local planning strategies and schemes.
A19	Reduce the impacts of land uses that are adversely affecting landscape character	Identify the main land uses that are negatively impacting on the region's visual landscapes, such as plantations, clearing of remnant vegetation and expanding urban and rural living development. Promote existing generic guidance in relation to these uses and develop guidance and strategies that are specific to the region.
A20	Increase the degree to which landscape comprises a tourism resource for the region	Identify the tourism values of landscape and the ways in which tourists gain access to valued landscapes. Develop strategies to enhance tourists' appreciation of the region's landscape, for example, through interpretation and better facilities at viewpoints.
A21	Consider heritage and visual landscape in strategic planning	Investigate options for the consideration of heritage and visual landscape through the strategic planning system, e.g. through sub-regional and local planning strategies, in line with guidance provided by the State Heritage Office and <i>Visual Landscape Planning in Western Australia (2007)</i> .
A22	Desktop assessment to support the identification of heritage sites	Inform the identification of heritage and significant sites in the Great Southern through the mapping of listed and other notable heritage sites and determine current associated land use and land tenure.
A23	Domestic water supply for rural residential areas	Develop standard guidance for demonstrating a suitable domestic water supply (including water for fire-fighting) in high, medium and low rainfall areas in the Great Southern. The guidance must be consistent with WAPC's <i>State Planning Policy 2.5 - Land Use Planning in Rural Areas</i> and <i>Development Control Policy 3.4 Subdivision of Rural Land, Australian Drinking Water Guidelines (2011)</i> and relevant bushfire planning policies.
A24	Alternate solutions for demonstrating appropriate access to essential services	Develop standard guidance for demonstrating appropriate access to power, water and wastewater services to new industrial, commercial and residential areas where it is not economically feasible for service providers to offer standard connections. The standard guidance would inform the preparation or amendment of local planning schemes and strategies.

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No**	Initiatives	Details
Department of State Development		
A25	Planning for the Bunbury to Albany gas pipeline	Undertake a route alignment study for the proposed pipeline (corridor selected), secure the land corridor and commence approvals and land assembly.
Department of Regional Development		
A26	Prepare a growth plan for Katanning	Through the SuperTowns initiative, prepare a growth plan that considers the capacity and services of the town to accommodate employment and population growth (completed).
Department of Sport and Recreation		
A27	Sport and Recreation Needs Assessment	Undertake a needs assessment for regional sport and recreation to identify and analyse what new facilities are needed and options for responding to that need. Consider the scope, scale, location and timing for any identified new facilities.
Department of Training and Workforce Development		
A28	Strategic Infrastructure Plan for the Great Southern Institute of Technology	Assess the training delivery demand for the Great Southern and associated infrastructure requirements to support the delivery for a 10 year period
A29	Great Southern Workforce Development Plan (completed)	Identify current and future workforce development and skills needs. Develop strategies to address these needs.
Department of Transport		
A30	Improving the freight task	Implement the recommendations of the WA Regional Freight Transport Network Plan relevant to the Great Southern.
A31	Prepare a regional passenger transport plan for the Great Southern	Review existing passenger transport links and modes, and determine their adequacy based on the settlement hierarchy established through the framework, population growth and demographic forecasts.

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Department of Water		
A32	Prepare a water supply strategy for the Great Southern (completed)	A water supply strategy has been prepared to identify a range of water supply options to support regional growth and groundwater investigations are being undertaken in the Albany area.
A33	Groundwater assessment for the South Coast – Albany and hinterland (underway)	Undertake groundwater investigations and allocation planning assessments to develop robust allocation limits to improve water management and confirm future secure supplies. Develop groundwater resource mapping in order to direct future development and secure groundwater resources.
A34	Undertake a program of floodplain mapping in priority areas	Map floodplains to guide development in flood risk areas in urban and peri-urban areas.
A35	Improve rural towns' fit-for-purpose water supplies	Assist rural towns in the development of fit-for-purpose water supplies for use as emergency livestock water supplies during dry seasons and townsite open space reticulation and options for stormwater harvesting.
A36	Improve on-farm water supplies in the non-reticulated areas of the Great Southern	Implement the Rural Water Planning programs (Farm Water Supply Planning Scheme, Farm Water Rebate Scheme and Community Water Supply Program) to assist with the development of on-farm and off farm fit-for-purpose water supplies.
A37	Drinking Water Source Protection Planning	Prepare or review Drinking Water Source Protection Plans for existing and future sources including Angrove Creek, Denmark River and Bremer Bay groundwater area (ongoing).
A38	Water efficiency policies and plans for the Great Southern	In conjunction with Water Corporation, Department of Planning and local governments, develop specific water efficiency policies for the Great Southern to drive greater water efficiencies with local government, industry and residential water users.
Forests Products Commission		
A39	Identify opportunities for renewable energy biomass power generation and the production of biofuels	Provide woody biomass resource information to potential energy power suppliers and fuel users.
Great Southern Development Commission		
A40	Undertake a mining accommodation study for the region	Determine the capacity of Albany and the sub-regional centres of Denmark, Katanning and Mt Barker to accommodate construction and permanent workforces for proposed new mining operations and recommend a preferred approach.
Heritage Council		
A41	Review urban planning for heritage places (underway)	Review protection provided to places of local and State significance through local planning schemes and relevant provisions in the Model Scheme Text in collaboration with the Department of Planning and other stakeholders (underway).



No**	Initiatives	Details
	<b>Local Government</b>	
A42	Identify and protect priority agricultural land	In accordance with a consistent approach developed by the Department of Agriculture and Food, identify priority agricultural land around Albany and sub-regional centres that has consistent rainfall or has access to water suitable for food production. Protect this land from competing uses through local planning strategies and schemes.
A43	Plan for population growth in Albany and the sub-regional centres	Local planning strategies and schemes for Albany, Katanning, Mt Barker, Denmark and Kojonup to provide sufficient zoned land to accommodate a range of services such as retail, administrative, general health and specialist health, education, recreation, community and entertainment services in areas that are accessible.
A44	Identify vacant and under-utilised land within Albany and sub-regional centres	When preparing and amending local planning strategies and schemes, identify land for development or redevelopment where a greater diversity of lot sizes and dwelling types can be offered and where a compact form of development can limit car dependency, encourage physical activity and increase opportunities for social interaction without detriment to neighbourhood character and the natural environment.
A45	Develop approaches to managing rural living development to achieve environmental benefits	Identify where density change could be accommodated in rural living zones without adversely impacting on landscape and environmental values or fire safety, and make provision in local planning strategies and schemes for the creation of conservation lots or other forms of lot that provide a mechanism for revegetation of previously cleared land.
A46	Fragmentation of rural land	In accordance with SPP 2.5 and DC 3.4, review local planning strategies and schemes to determine where fragmentation is occurring or may occur on rural land and adopt an appropriate planning response.
A47	Analyse projected demographic shifts and associated housing demand and determine a planning response	On the basis of projections in Western Australia Tomorrow (2012) provide a range of lot sizes and dwelling types (size, type, affordability, location) that will be required in Albany, Denmark, Mt Barker, Katanning and Kojonup in the next 20 years. Include targets for the provision of housing types (affordable, 1 or 2 bedrooms etc) to reflect the anticipated demographic shift.
A48	Planning for aged care accommodation	Assess the need for and preferred location of aged care accommodation in inland district centres and rural villages.
A49	Update heritage inventories	Local governments to prepare/update heritage inventories in accordance with statutory requirements with a focus on regionally important heritage and incorporate recommended actions into local planning strategies.
A50	Prepare and implement water management strategies and plans for key settlement areas	Prepare district urban water management strategies for regional and sub-regional centres, in accordance with Better Urban Water Management (WAPC 2008).
A51	Undertake coastal hazard risk management and adaptation planning in key coastal settlement areas	Prepare coastal hazard risk management and adaptation plans for key coastal settlement areas, consistent with the State Coastal Planning Policy (WAPC 2013).
A52	Planning for the impact of population change in inland rural villages	Identify rural villages where population is forecast to stagnate. Develop economic strategies to bolster population and economic activity in these towns.
A53	Prepare waste management strategies	Seek funding to develop regional/sub-regional waste management strategies in accordance with WA Waste Authority requirements.



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	<b>City of Albany</b>	
A54	Undertake planning for the expansion of Albany airport	The City of Albany Local Planning Strategy and Scheme to incorporate land for the expansion of the airport and a co-located business park for aviation services. Issues related to fire response to be considered.
A55	Planning for the Esplanade site	Seek opportunities to consider land use options and resolve the future of the Esplanade site.
	<b>Shire of Cranbrook</b>	
A56	Cranbrook Intermodal facility – feasibility study (Shire of Cranbrook)	Assess the feasibility of establishing an intermodal transport hub in Cranbrook (100km north of Albany) to accommodate overflow from Albany Port. Consider the benefits and costs relative to the proposal to establish a similar facility on the CSBP site in Albany.
	<b>Shire of Denmark</b>	
A57	Alternate bridge crossing on Denmark River	Investigate options and feasibility for provision of an alternate bridge crossing in or near the Denmark townsite to cater for predicted growth and provide a secondary emergency egress for the town.
A58	Boat launch and retrieval facilities at Ocean Beach and Peaceful Bay	Investigate options and feasibility for boat launching and retrieval facilities and protected berthing at Ocean Beach and Peaceful Bay, to address existing congestion and safety issues.
	<b>Shire of Kojonup</b>	
A59	Heavy haulage bypass route around Kojonup	In consultation with Main Roads WA, investigate options and feasibility for a heavy haulage bypass road around Kojonup to alleviate existing traffic conflicts.
	<b>Main Roads WA</b>	
A60	Realignment of South Coast Highway	Prepare a concept design for the realignment of the South Coast Highway to Hanrahan Road including roundabout design.
A61	Upgrades to South Coast Highway	Undertake a gap analysis on the South Coast Highway to identify where there are deficiencies relative to current standards and specify required upgrades.
	<b>Tourism WA</b>	
A62	Product differentiation and marketing of the Great Southern	Work with tourism industry stakeholders to deliver a marketing product for the Great Southern that is differentiated from the South West/Margaret River and aligned with Tourism Australia's Great South West Edge branding.
A63	Support the development and marketing of the Great South West Edge National Landscape	Build on Tourism Australia's identification of the Great Southern as an area that offers world-class natural and cultural experiences that appeal to visitors who want to learn about and connect with local culture and heritage.



No**	Initiative	Details
<b>Water Corporation</b>		
A64	Water Forever – Plan to deliver sustainable, climate resilient water services	Plan for the provision of future sources for Walpole, Denmark, Albany and Mt Barker through increased water recycling, water efficiency measures and identification of new source options through a sustainability assessment.
<b>Western Australian Local Government Association</b>		
A65	Support local governments with the preparation and implementation of local biodiversity strategies and plans	Provide technical and financial support to local governments to assist the preparation and implementation of local biodiversity strategies and plans, consistent with the methodology established by the Perth and South West Biodiversity Projects.
<b>Western Power</b>		
A66	Planning for the reinforcement of transmission network between Muja and Albany (underway)	Feasibility study for the reinforcement of the transmission line to Albany.
<b>Unallocated</b>		
A67	Develop a youth retention strategy for the region	Identify and/or coordinate opportunities to provide specific infrastructure, services and activities that would attract and retain youth in Albany, subregional centres and local centres. Focus on education, training and up-skilling, the provision of health and wellbeing services, recreation and youth development programs and opportunities for participation in decision making. Evaluate the effectiveness of current policies and plans (such as Young People and Arts Action Plan) and projects (such as Southern Edge Arts).



**Table B: committed great southern infrastructure projects**

Note: Committed projects are projects that are already fully funded or are currently underway.

No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
Road transport							
B1	Black Spot and safety improvement projects	Ongoing assessment and delivery of safety related capital improvements for the State road network	Maximise safety and efficiency of road network		\$2m/ annum		MRWA
Water							
B2	Refurbishment and extension of South Coast Borefields	Bore refurbishment of South Coast Borefields and extension of Werrilup Borefield to provide security of supply.	Secure sustainable water supplies for Lower Great Southern Water Supply (Albany, Mt Barker, Kendenup).		\$24m	Environmental impacts and land use conflicts	WC
B3	Desalination Plant at Cape Riche	Reverse osmosis (RO) desalination facility, pump station, supply, intake and discharge pipelines	Water supply for Southdown Mine	Southdown Magnetite Mine	Y	Mine proposal does not proceed. & environmental impacts	Grange Resources
B4	Plantagenet Water Supply Main upgrade	Cater for increased water requirements at Mt Barker, including Yerriminup Industrial Estate, and Kendenup	Support development of key industrial precincts and settlements in the Great Southern		Y		WC
B5	Albany borefield monitoring network	Upgrade existing monitoring network	Ensure sustainable use and contemporary understanding of Albany's fresh groundwater resource		Y		WC
B6	On- and off-farm water supplies	Increase capacity for rural areas to improve water management during dry seasons particularly for livestock	Secure emergency non-potable water supplies for dry seasons		Y		DoW
B7	Bremer Bay Water Efficiency Project (completed 2013)	Residential and non-residential retrofits and community based social marketing	Improve water efficiency and limit growth in water demand		\$0.12m		WC

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No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
B8	Upgrades to treatment options at Denmark Water Treatment Plant.	Construction, additional pipe works and other fittings to improve supply options for use of existing Denmark River Weir as a contingency water source.	Secure additional contingency water supply options for Denmark for the next 10 years		Y	Denmark River water quality	WC
Wastewater							
B9	Denmark WWTP upgrade (completed)	Construction of an oxidation ditch, new inlet works, a reactor ditch with mechanical aerators and oxygen monitoring.	Improve treated wastewater quality and accommodating growth in Denmark		\$8m		WC
Science and communications							
B10	National Broadband Network - Expansion of NBN with Katanning as the initial point of interconnect for service providers	Upgrading the national telecommunications infrastructure using a combination of Fibre-To-The-Premises, Fixed Wireless and next generation satellite technology	Increase accessibility, improve communications standards, encourage new applications and services(e-health, e-commerce, e-culture and arts) and introduce uniform national pricing.	Regional Mobile Communications Project (RMCP) and Community Safety Network.	Y	Some areas require radio-/satellite connection	DoC
Social infrastructure							
B11	Katanning Health Campus - Redevelopment	Redevelopment to commence in 2014. New integrated health centre, refurbishment of emergency department and other upgrades	Enhance level of service available in the region	SuperTowns	Y		DoH
B12	Centennial Park Redevelopment Project	Sport and recreation precinct to undergo major staged redevelopment	Facility to accommodate regional sporting and cultural events		Y		DSR
Training and workforce development							
B13	Mount Barker Training Campus	Replacement of existing campus	Expand training courses and improve participation		\$4.4m		DTWD



**Table C: Anticipated directions for regional infrastructure**

Note: Great Southern infrastructure projects reflected in this table are not funded or are only part funded. Funding for individual projects will be determined through Government's usual budgetary processes.

No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
Road transport							
C1	Albany Ring Road (Stages 2 and 3)	Road efficiencies for grain and timber transport to port	Reduce road use conflict in Albany	Forestry and agricultural exports	N (\$300,000 allocated for planning)		MRWA
C2	Dual Carriageway– Albany Highway between Federal Street and Anson Road	Construction of a dual carriageway on Albany Highway to separate heavy vehicles and light vehicles	Maximise safety and efficiency of road network		N		MRWA
C3	Improvements to Albany Highway Gordon River South	Widen and/or reconstruct and construct passing lanes	Reduce road use conflict		N		MRWA
C4	Passing lanes on Albany Highway, Mount Barker south to Kojonup north	Construction of passing lanes at Kojonup north, Tunney, Mount Barker north and Mount Barker south	Reduce traffic delay		Part (\$2.5m)		MRWA
C5	Upgrade of Albany Highway through Kojonup town centre (Kojonup Main Street)	Detailed design and reconstruction of Kojonup main street to accommodate movement of heavy haulage freight vehicles through the town centre and reduce conflict between light and heavy vehicles	Maximise safety and efficiency of road network		N		MRWA





No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
	Road transport						
C6	Upgrade of South Coast Highway	Staged improvements to widen or reconstruct various sections of South Coast Highway between Pfeiffer Road and Cheynes Beach Road; Cheynes Beach Road to Kojaneerup West Road; and Kojaneerup West Road to Jerramungup	Reduction in conflict between heavy and local traffic		N		MRWA
C7	Ongoing upgrades for Chester Pass Road	Upgrade Chester Pass road through reconstruction, road widening and addition of overtaking lanes	Improve safety and efficiency for local, tourist and freight vehicles		N		MRWA
C8	Seal Salt Lake Road	Seal the road from Cranbrook to the Stirling Ranges	Facilitate tourist and regional traffic		N	Feasibility not established	
C9	Upgrade Albany Roundabout	Major upgrade required to increase capacity if alternate route is not established	Maximise efficiency and safety of road network		N		MRWA
C10	South Coast Highway intersection with Albany Highway	Proximity to roundabout requires realignment or intersection redesign	Maximise efficiency and safety of road network		N		MRWA
C11	South Coast Highway duplication	Duplicate urban section within City of Albany (Ring Road to Albany Highway)	Maximise efficiency and safety of road network		N		MRWA
C12	South Coast Highway upgrade	Widen and/or reconstruct surface, and construct passing lanes, on various sections	Facilitate tourist and regional traffic		Part (\$2m)		MRWA
C13	Upgrade South Coast Highway Denmark to Walpole	Upgrade of the Highway including the Kenton section	Facilitate tourist and regional traffic		N		MRWA
C14	Development of Nornalup-Tindale Road	Major reconstruction, widening and surfacing of this important regional road between Denmark, Peaceful Bay and Nornalup through to Muir Highway	Facilitate tourist and regional traffic		N		SoD



C15	Muir Highway reconstruction	Reconstruct from Denmark-Mount Barker Road to Rocky Gully	Maximise safety and efficiency of road network		N		MRWA
Rail transport							
C16	Rail loop at Albany Port	Construct a continuation of the existing woodchip rail siding to form a loop which will re-join the existing railway line	Increase capacity and maintain high level of receipt by rail		N (R4R - \$2.5m)		APA
C17	Rail upgrades Miramabeena Strategic Industrial Area (MSIA) and Timber Processing Precinct (TPP)	Loop from MSIA to Albany Port, new load-out facility at TPP	Direct access to Port from Timber Processing Precinct and Miramabeena		N	Insufficient demand to justify project. Rail infrastructure limits industrial land availability	PTA
Port transport							
C18	Dredging of Albany Port	Allow for Cape size vessels with 18m draft, providing shipping and operational efficiencies	Facilitate greater trade of iron ore.	outhdown Magnetite Mine. Construction of No. 7 Berth, land reclamation and associated infrastructure	N	Mine proposal does not proceed	APA
C19	Construction of No.7 Berth and associated infrastructure	Reclaim 9ha of land on Princess Royal Harbour adjacent to new berth for storage sheds and other port infrastructure.	Facilitate export of iron ore.	Dredging of Albany Port Southdown Magnetite Mine	N	Mine proposal does not proceed	APA
C20	Bridge over Princess Royal Drive	Construct a bridge over the railway line which leads to Albany Port.	Increase capacity to load woodchip without blocking Princess Royal Drive.	Plantation forestry	N (R4R - \$10m)	Decline in woodchip exports	APA



No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
C21	Restoration of Berths 1 and 2	Restoration of the two oldest berths in the port to their original design capacity to extend their lifespan to 2035.	Expansion of port capacity at port.		N	Project does not go ahead	APA
C22	Secure strategic freehold land within and near the port	Allow port expansion within the port and an 'inland port' facility in the locality.	Provide infrastructure to facilitate new trade in the region.	Mining, grain and new trade	N	Current business case precludes government funding	APA
<b>Air transport</b>							
C23	Katanning Airfield	Upgrade of existing airfield facilities	Improve regional medical and fire-fighting response.		N		SoK
<b>Water</b>							
C24	Water Supply upgrade at Albany Port Loading facility	Upgrade water supply to 50L per second	Support the export of magnetite	Southdown Magnetite Mine	N	Mine proposal does not proceed	APA
C25	Extension of Integrated Water Supply Scheme to Denmark and Cranbrook	Connection of Cranbrook to the LGSTWS scheme (from Kendenup)	Improve water supply security and flexibility for Cranbrook		N	Relies on a new water source in Albany	WC
C26	Katanning SuperTown Proposal – Upgrades to Narrogin to Katanning pipeline and associated works	Major upgrade to Narrogin-Katanning extension and main line back to Harris Dam	Increase secure, safe drinking water for Katanning and surrounding towns	SuperTown initiative	N	Subject to SuperTown requirements	WC
C27	Water supply upgrades for independent rural towns	Resealing catchments, dam covers and scheme upgrades for Borden, Frankland, Rocky Gully, Wellstead and Jerramungup	Improve water supply security		N	Subject to feasibility	WC



Energy							
C28	Bunbury to Albany Gas Pipeline	Construction of a gas pipeline from Bunbury to Albany	Energy for economic development	DRD allocated \$20m over three years to secure the land corridor, approvals and land assembly	N	Funding options being developed for consideration by Government	DSD
C29	Muja to Wellstead 330 kV Transmission Line	Power provision to the proposed Southdown magnetite mine	Contribute to feasibility of proposed mining operation	Southdown Magnetite Mine. Influences decision on transmission line reinforcement between Muja and Kojonup	N	Grange Resources project currently on hold	WP, ERA
C30	Kojonup to Albany 132 KV Line reinforcement	To cater for predicted future electricity demand in Albany and other settlements in the Great Southern.	Overcome power capacity constraints	Network Control Services may defer the need for the transmission line	N	Insufficient demand to warrant investment. Approvals for line corridor	WP
C31	Cater for predicted electricity demand in the Denmark area	Installation of statcoms on the Denmark 22kV network and/or additional 22kV feeder sections from Albany to Denmark.	Overcome power capacity constraints		N	Insufficient demand to warrant investment	WP
C32	Biomass power generation and biofuel production	Potential power and biofuel provision for industry in the region.	Utilise woody biomass and agricultural fibre from the region	Southdown Magnetite Mine – potential energy user.	N		FPC



No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
Social infrastructure							
C33	Albany Health Campus – Cancer Clinic	Upgrade to include cancer centre (on-site) and patient accommodation (off-site).	Enhance level of services available in region.	Albany Health Campus (upgrade; in progress)	N	Funding subject to negotiation with Australian Government	DoH
C34	Katanning Regional Entertainment Centre	Refurbishment of Town Hall to be utilised as a Regional Entertainment Centre.	Facility to accommodate regional sporting and cultural events	SuperTowns State Registered Place	N	Feasibility study may demonstrate that a purpose built facility is preferable	GSDC
C35	Modernise District and Secondary High Schools	Refurbish and upgrade facilities to meet current standards for curriculum delivery.	Improved educational opportunities		N		DoE
C36	Co-locate child and parent centres	Establish child and parent centres in school sites in low socio-economic communities.	Education, health and child and family support and services	Joint initiative with DoH, DCS	N		DoE
C37	E-Learning initiative	ICT broadband and on-line software improvements.	Improved educational opportunities		N		DoE
C38	Primary schools	Build new primary schools in response to demographic growth and changes.	Access to public education		N		DoE
C39	Bremer Bay Medical facility	New medical facility including a nursing post, emergency facilities and visiting professionals.	Health services for additional population	Grange Resources	N	Funding cannot be secured	
Tourism							
C40	Extension of the Munda Biddi Trail	Extension of Munda Biddi off-road bicycle trail from Nannup to Albany.	Promote eco-tourism and enhance small business opportunities		3m R4R (Total cost \$6.2m)		DPaW
C41	Torndirrup National Park Improvement Project	Upgrade of facilities at The Gap and Natural Bridge in Torndirrup National Park	Enhance tourist facilities		\$1.8m R4R (total cost \$7.5m)	Additional funding cannot be secured	DPaW





C42	William Bay National Park upgrade project	Improve vehicle and pedestrian access within the park.	Enhance tourist facilities		N	Funding not secured from DPaW Capital Works budget	DPaW
C43	Skywalk lookouts at Porongurup National Park	Stage 2 – improvements to the trail to lookouts, interpretation, ablutions, day use facilities.	Enhance tourist facilities		N		DPaW
C44	Albany Waterfront Hotel development	New 4/5 star hotel and short-stay apartments.	Revitalise the foreshore as a tourist destination		N	Outcome of 'Request for Proposal'	Landcorp
C45	Former Denmark Hospital site	Redevelop the former Denmark Hospital site as a community facility.	Enhanced shared meeting spaces for government, community, education and the arts				SoD
Land supply							
C46	Power and water provision to Mirambeena Strategic Industrial Area	Establish project-ready land for industrial use.	Encourage location of industry near Albany		N	No anchor tenant to attract funding	Landcorp
C47	Power and water provision to Yerriminup Strategic Industrial Area	Establish project-ready land for industrial use.	Encourage location of industry near Mt Barker		N	No anchor tenant to attract funding	Landcorp
C48	Albany Gas Works Site Remediation	Remediation of former Albany Gas Works site.	Productive utilisation of underused land		N	Feasibility not established	LandCorp
C49	Katanning SuperTown land packaging	Development ready residential and commercial land.		Katanning gold mine	N	Mine feasibility not established	Landcorp
C50	Spencer Park redevelopment, Albany	Develop a higher residential density and mixed use precinct.	Increase dwelling units and housing choice		N	Outcome of precinct planning process	DoH
C51	Denmark Industrial Area	Establish project ready land for industrial use	Satisfy existing demand for industrial land		N		
C52	Mt Barker Light Industrial Area	Establish project ready land for light industrial use close to Mt Barker.	Satisfy existing demand for light industrial land close to town		N		Landcorp



No**	Project	Description/ objective	Benefits to the region	Relationship to other projects	Funded	Risks/ threats	Lead agency
Training and workforce development							
C53	Albany Health and Community Services Training Facility	New facility to be constructed on the campus of the Great Southern Institute of Technology (Albany).	Training in regional skills shortage areas of health and community services	Royalties for Regions Skills Training Initiative	N	Funding not secured	DTWD
C54	Albany Adaptable Industrial Skills Workshop	Workshop to support development of industrial skills.	Meeting the demand for industry training in trade skills shortage areas		N	Assessment of application unsuccessful	DTWD