




Westport: planning for Perth's future freight

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What is Westport?

- Two-year planning project to formulate a strategy to meet freight transport, trade and logistics' needs for Perth and the South West for the next 50-100 years.
- Look to optimise existing land and infrastructure while identifying future requirements.
- Environment and sustainability are priorities.
- Aim to maximise economic growth for the State.
- Collaborate with stakeholders and undertake extensive community consultation.



The time is right... to plan



- Perth's population is predicted to double around mid-century; current infrastructure will not meet long-term demand for freight.
- Plan properly now, build when required.
- Attract investment with a robust proposal that provides certainty for investors – as well as industry, government and local residents.
- Required land can be reserved.
- Flexibility to accommodate emerging or yet-to-be-created industries.

Westport: What we have found so far

Stage 1 progress report | Released in December 2018

Contents:

- Background and project progress
- Westport's **eight strategic options**
- What problems are we trying to solve and what opportunities are we trying to capture?
- Stakeholder consultation and engagement

Stage 1 work stream findings:

- Trade task
- Port capability
- Land use and utilities infrastructure
- Preliminary environmental and social assessment
- Supply chain

Main findings from Stage 1

Fremantle Port:

- Could handle up to 2.1 million TEU of containers (770,000 TEU currently);
- Capacity is limited by land (hemmed in by residential) and transport constraints (one main road in, freight rail constrained by a single-line bridge).

Kwinana Port:

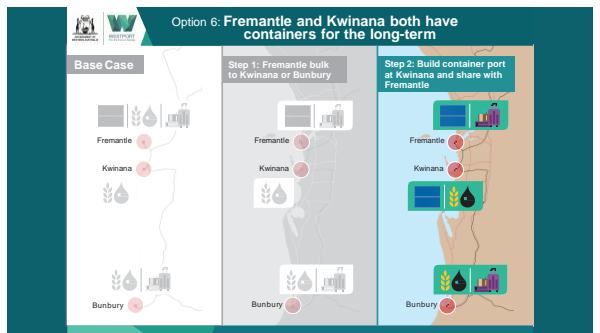
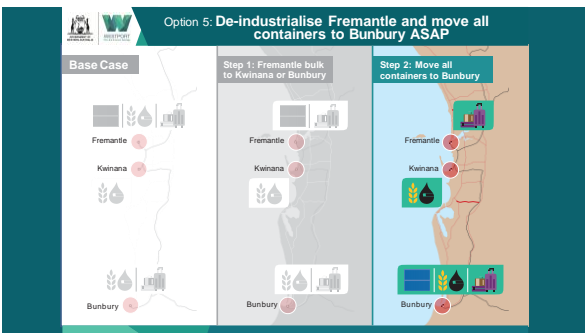
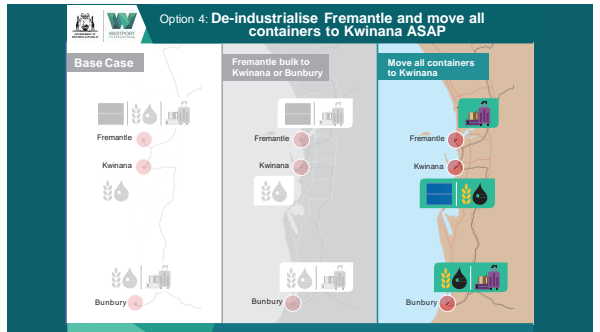
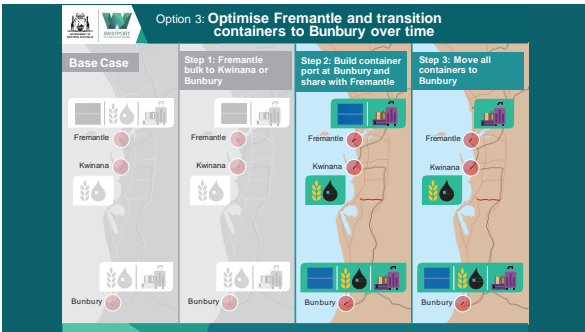
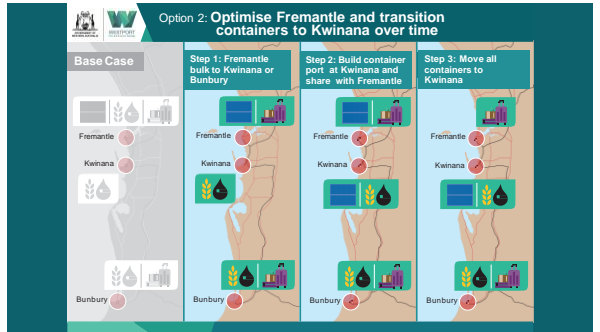
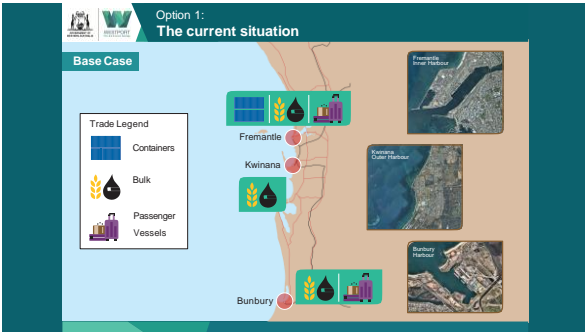
- Five bulk jetties currently but no containers. Two public jetties nearing capacity – infrastructure upgrades are needed;
- A greenfields container port development could possibly handle up to 6 million TEU;
- Freight rail is close to capacity; modifications are required. Additional road freight route required;
- Vacant land nearby suitable for an intermodal terminal;
- Major marine and terrestrial environmental and social considerations.

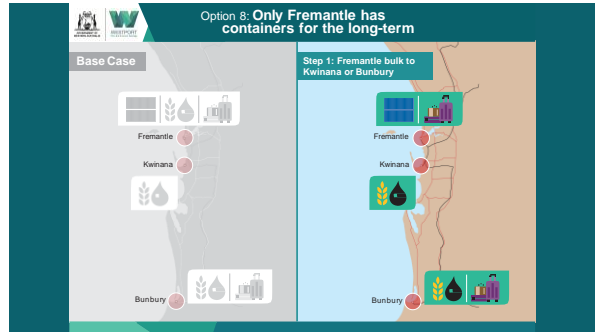
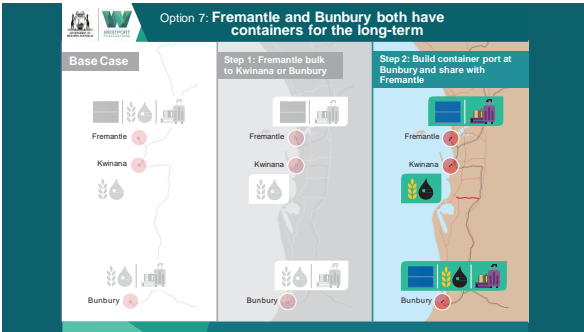
Bunbury Port:

- Has the potential to handle containers (if demand warrants), bulk, breakbulk, general cargo and passengers;
- Abundance of vacant port-owned and industrial land nearby;
- Constrained by distance from Perth, road and rail links.

Westport's eight strategic options

- Base Case**
Current situation
- Optimise Fremantle Port** and transition containers to **Kwinana Port** over time (staged approach)
- Optimise Fremantle Port** and transition containers to **Bunbury Port** over time (staged approach); no containers in Kwinana
- De-industrialise Fremantle Port** and move all containers to **Kwinana Port** ASAP
- De-industrialise Fremantle Port** and move all containers to **Bunbury Port** ASAP
- Fremantle and Kwinana Ports** both have containers for the long-term
- Fremantle and Bunbury Ports** both have containers for the long-term
- Only Fremantle Port** has containers for the long-term





Whichever option we choose, there are issues – we know we won't please everyone

Potential red flag	OPTION 1: Base Case	OPTION 2: Transition to Kwinana over time	OPTION 3: Transition to Bunbury over time	OPTION 4: Move all to Kwinana ASAP	OPTION 5: Move all to Bunbury ASAP	OPT 6: Freeo & Kwinana both have containers	OPT 7: Freeo & Bunbury both have containers	OPTION 8: Only Freeo has containers
Supply Chain	Leach Hwy capacity Rail capacity	Leach Hwy capacity Rowley/Anketell Rd upgrades	Leach Hwy capacity South West main rail-line	Leach Hwy capacity Rowley/Anketell Rd upgrades	South West main rail-line Containers in Bunbury not viable	Leach Hwy capacity Rowley/Anketell Rd upgrades	Leach Hwy capacity South West main rail-line	Leach Hwy capacity Rail capacity
Environmental		Marine ecosystem impacts Terrestrial impacts	Dredging requires blasting Truncation of Preston River	Marine ecosystem impacts Terrestrial impacts	Dredging requires blasting Truncation of Preston River	Marine ecosystem impacts Terrestrial impacts	Dredging requires blasting Truncation of Preston River	
Social	Amenity impacts on Freeo residents	Impacts to fishing, horse beach, shacks	Amenity impacts on Bunbury residents	Impacts to fishing, horse beach, shacks	Amenity impacts on Bunbury residents	Impacts to fishing, horse beach, shacks	Amenity impacts on Bunbury residents	Amenity impacts on Freeo residents
Land use	Limited land at Freeo Land better for tourism?							Limited land at Freeo Land better for tourism?
Commercial	Freeo Port capacity	Two container ports unviable	Bunbury financially unviable		Bunbury financially unviable	Two container ports unviable	Bunbury financially unviable	Freeo Port capacity
Defence		Incompatible with defence		Incompatible with defence		Incompatible with defence		

Stage 2 work streams

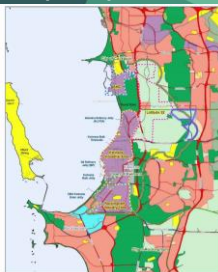
1. Multi-criteria assessment (MCA) methodology
2. Environmental
3. Port operations and supply chain
4. Economic development and land activities
5. Commercial
6. Defence
7. Social licence
8. GIS



- Cross-agency work stream teams
- Robust risk management
- Independent peer review of all work

1. Multi-criteria assessment (MCA)

- Objective decision-making tool based on data.
- Evaluation criteria ranks options from best to least preferred.
- Data inputs come from Westport's research, past analysis and other agencies.
- Westport will undertake several MCAs throughout the year to determine our best option/s.



2. Environmental



- Impact on marine environment
- Impact on terrestrial environment
- Impact on recreational activities
- Cumulative impact in Cockburn Sound
- Risk assessment
- Impact mitigation and offsets
- Win-win outcomes
- Heritage



3. Port operations and supply chain

- Road modelling into Fremantle Port
- Rail modelling into Fremantle Port
- Road modelling to the Outer Harbour
- Possible Kwinana port locations and designs
- Bunbury-to-Perth container movement feasibility
- Supply chain operations and corridors
- Costs per container movement for each option
- Locations of certain trades (i.e. cars, livestock)
- Innovation and technology (i.e. green ports)
- Global competitiveness
- Sustainability and resilience



4. Economic development & land activities

- Existing and future land use activities (i.e. industry, residential, buffer zones)
- Future land reservations required
- Planning – tenure, planning schemes, zoning
- Utility infrastructure required vs capacity
- North Fremantle, Victoria Quay, Rous Head development opportunities
- Intermodal terminal strategy
- How to utilise Latitude 32
- Change management and transitions



5. Commercial



- Capital costs of each option
- Operating and transition costs
- Relative cost of financing
- Commerciality of options
- Governance operating model
- Cost/benefit analysis
- Governance and financing options and risks

6. Defence

- Australia Marine Complex commercial, logistics and land use planning
- Optimise innovation, expansion, global competitiveness
- Existing and future enabling service infrastructure
- Defence and port compatibility

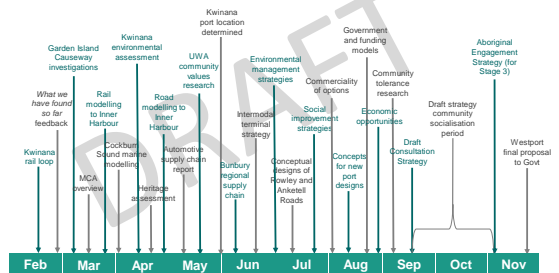


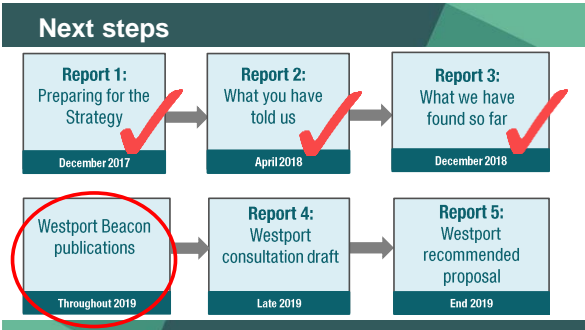
7. Social licence

- Understand community concerns, interests through engagement and consultation
- Provide ample opportunities for feedback
- Research community values and tolerances
- Open and transparent communications (Westport Beacon)
- Aboriginal Engagement Strategy



Westport Beacon rough timeline





Have your say, stay up-to-date

- Subscribe to our mailing list to receive the Westport Beacons and project updates
- MySayTransport consultation hub
 - mysaytransport.wa.gov.au/Westport
- Westport website
 - Transport.wa.gov.au/Westport

The image shows two screenshots of web pages. The top one is the MySayTransport consultation hub, featuring a header with 'Help shape the freight and logistics future of Perth and the South West' and a call to action to 'Help us shape the future of Westport'. The bottom one is the Westport website, showing a large image of a port facility with a ship and the text 'Westport is the gateway to the South West'.

