



Westport Environmental, Social and Governance Strategy

Actions Report:
August 2023 – January 2024

About this Progress Report

The Westport Environmental, Social and Governance (ESG) Strategy was published in January 2023, to guide our approach to achieving ESG objectives during Stage 3. In the Strategy, Westport committed to biannual reporting on the progress of ESG initiatives to build trust and accountability with stakeholders and the community.

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This is the second Westport ESG Actions Report, capturing our progress from August 2023 to January 2024. To learn more about the Westport ESG Strategy or view the previous ESG Action Report (January to July 2023) visit our [website](#).

About Westport

Westport is the State Government's planning program to develop a future modern container port facility in the Kwinana Outer Harbour, which currently services heavy industry, and transition container trade from Fremantle to Kwinana. The proposed design encompasses marine infrastructure and a freight network, including road, rail, and logistics hubs.

We are currently in Stage 3 of Westport, which covers design, planning, environmental review, and business case, which will be delivered to the State Government for consideration by mid-2024.

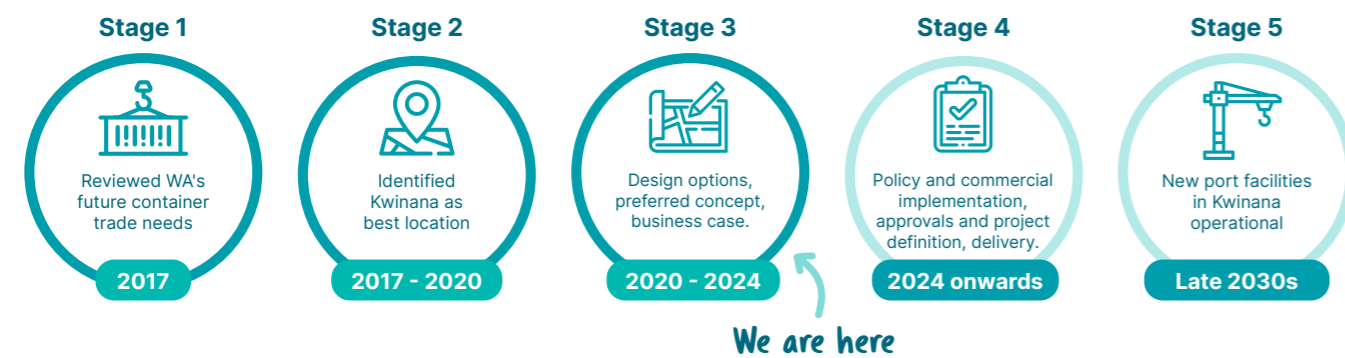


Our ESG approach

We are striving to design a port and supply chain that, once operational, delivers net positive environmental, social, and economic benefits to Western Australian communities, consumers, and businesses. Our vision is to plan, build and operate Australia's most sustainable, and first, regenerative port.

The [Westport ESG Strategy](#) is guiding our approach to achieving Environmental, Social and Governance (ESG) objectives in Stage 3 (2020 – 2024). As part of Stage 3, we're also undertaking additional studies to help develop specific targets for ESG objectives in delivery and transition.

Figure 1: Westport's timeline



In the Strategy, Westport commits to deliver positive long-term benefits for the natural and physical environment, create opportunities for social advancement, and make decisions which benefit Western Australians with strong, transparent governance and reporting.

ESG Pillars

Pillar	Environmental	Social	Governance
Commitments	Deliver positive long-term benefits for the natural and physical environment.	Create opportunities for social advancement.	Make decisions which benefit Western Australians with strong, transparent governance and reporting.
Objectives	<ul style="list-style-type: none"> Protect sensitive natural and physical environments Deliver new science well beyond the needs of our own project to underpin Cockburn Sound's long-term holistic management. Embed <i>Working With Nature</i> into planning to regenerate the natural and physical environment striving for a better environment after construction than before. Design and catalyse a <i>net zero</i> port and local container supply chain by 2050. Advance circular economy outcomes by reducing, reusing, and recovering materials during construction. 	<ul style="list-style-type: none"> Identify opportunities to increase industry capability and the creation of high-quality jobs. Partner with Noongar people to recognise cultural values in design and create opportunities for the Noongar community and businesses. Implement safety in design to ensure both workers and the community surrounding transport links are safe. Engage with stakeholders, industry and the community to inform design, best practice and expectations. 	<ul style="list-style-type: none"> Meet the needs of future generations by ensuring the efficiency, scalability, and resilience of the port and supply chain beyond 2070. Demonstrate transparent and responsible governance. Comply with legislative, regulatory and State Government policy obligations during the planning and delivery of the port and supply chain infrastructure. Ensure sustainability, Noongar opportunities and social values are embedded into all relevant procurement during planning.
Underpinning objectives	<ul style="list-style-type: none"> Embed ESG outcomes into both performance criteria for design of the port, and success criteria for the Westport Office. Report on our ESG performance against nationally and internationally recognised industry standards. Plan for ESG outcomes as part of project development plans and commercial agreements for design, construction and operation. 		



ESG Action Plan

In consultation with experts and thought leaders in sustainability, Westport has developed an [ESG Action Plan](#) to help us achieve our ESG objectives across planning, delivery, transition, and operational stages.



Biannual reporting

We have adjusted our biannual reporting style to align with the Westport ESG Action Plan and our commitment to the [United Nations Sustainable Development Goals](#) (UN SDGs). This report provides an update on our performance towards achieving our objectives, as well as the potential positive and negative impacts of the project on sustainability outcomes and UN SDGs.

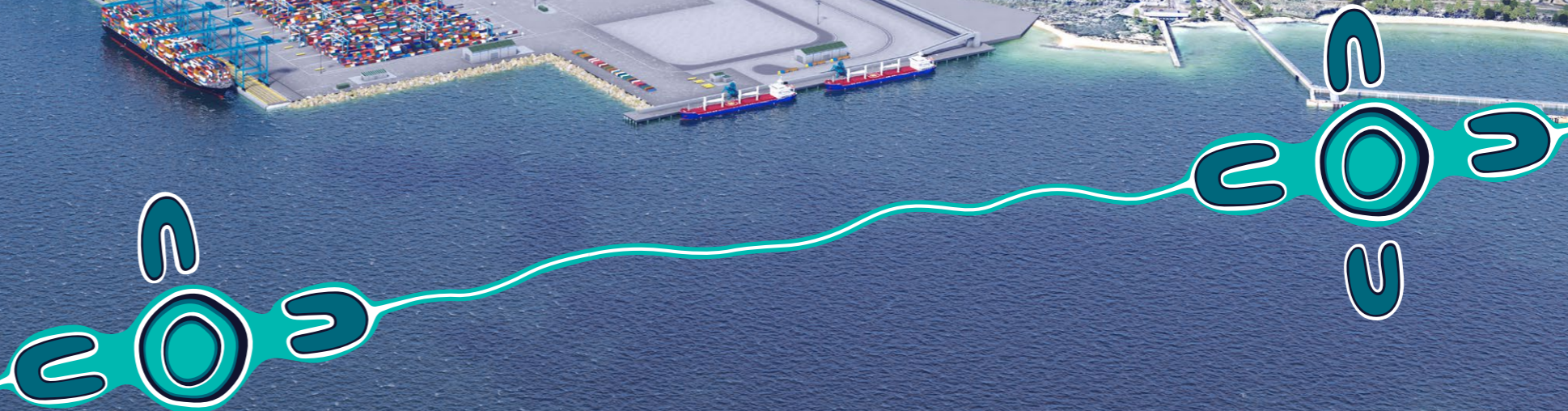
Infrastructure Sustainability Council (ISC)

As a member of the Infrastructure Sustainability Council (ISC), Westport will seek ISC to evaluate and add value to our approach to planning and ESG.



















The IS Rating Scheme (IS) is an Australian system for evaluating economic, social and environmental performance of infrastructure from the planning stage through to operations.












By committing to this nationally recognised, best-practice assessment process for sustainable infrastructure, Westport is ensuring that sustainability is embedded in our planning and design processes.










Update on Stage 3 Environment Actions







Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
1 Implement an Infrastructure Australia compliant multi-criteria analysis (MCA) framework that considers environment, social and economic impacts, and opportunities.	Westport used an MCA process, with substantial weightings on environmental and social outcomes, to identify a <u>preferred design</u> for the new port and supply chain. Based on <u>Westport's goals</u> and sub-goals, the assessment criteria considered environmental impacts, long-term sustainability, supply chain efficiency, and financial value.	Complete	    
2 Develop a net zero transition plan to design, catalyse and certify a net zero port and local container supply chain by 2050.	<p>The potential greenhouse gas emissions associated with the delivery and operation of a port and supply chain are significant.</p> <p>To avoid, reduce and offset emissions, Westport is developing a Net Zero Transition Plan that reflects global, Federal and State policies and best practices.</p> <p>Westport modelled the full carbon emissions associated with building and operating the full container supply chain for various supply chain design options.</p> <p>Emissions and cost of abatement were included in the MCA process and economic analysis.</p> <p>Westport is progressing a net zero plan to outline the actions to reduce carbon in construction and operation of the new port and landside infrastructure.</p>	Underway	   
3 Investigate opportunities to import and trial zero emission vehicle (ZEV) container trucks and trains in Perth metropolitan area through partnerships that can create demonstrations.	<p>Westport has built in the expectation of all port and IMT handling equipment being ZEV as a baseline.</p> <p>ZEV road and rail transport are also included in Westport's Innovation Strategy.</p> <p>If Government proceeds post business case Westport will trial these in partnership with industry.</p>	Underway	   
4 Commission a study into international best practice recycled materials in road and rail construction.	As part of our research and innovation strategy, we are investigating global best-practices for incorporating recycled materials in road and rail construction. Going forward, we will commission a study that will consider the use of aggregates and asphalt will be considered as part into international best practice recycled materials in future infrastructure construction.	Underway	    

Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
5 Implement actions for reuse and recovery of waste products for construction materials through a resource efficiency strategy.	<p>Infrastructure of this scale requires large volumes of materials that can generate large volumes of waste. Recognising this, Westport included in its design the calculation of the top materials used on the construction of the full supply chain (including road and rail infrastructure). This information is being used in a resource efficiency strategy which is under development. This strategy will inform the opportunities for replacing some of these materials with recycled products in consideration of local and national projects.</p> <p>Westport's innovation strategy (under development) is also identifying trials to be conducted where recycled materials may be useful, but standards do not allow their use at this time.</p> <p>The supply chain design considered the latest advice on the growth patterns in Perth provided by the Department of Planning, Lands and Heritage, and the effect of trends on origins and destinations.</p>	Underway	    
6 Deliver a Westport Environmental and Social Mitigation and Resilience Building Strategy which identifies opportunities for rehabilitation, replanting, acquisition, and species protection – marine and terrestrial.	<p>We recognise that it is not possible to deliver large-scale infrastructure such as Westport without having an impact on the environment and causing disruption to the surrounding community.</p> <p>In consultation with government, environmental and community groups, and subject matter experts, Westport is developing an Environment and Social Resilience Building Strategy (formally called the Environmental and Social Mitigation and Resilience Building Strategy). This will outline proposed initiatives to build long-term resilience for environmental and social values through the construction and ongoing operation of the port and Anketell Road upgrade projects.</p> <p>These initiatives aim to go beyond environmental approval requirements and include rehabilitation, replanting, acquisition and species protection activities.</p>	Underway	    


Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
7 Invest \$13.5 million into contemporary marine science for Cockburn Sound to fill gaps in science, ensure a highly robust Environment Impact Assessment (EIA), mitigation activities, and support future Government decision-making towards more holistic management of the Sound.	<p>We acknowledge building a new port and related infrastructure will have environmental impacts. Our commitment is to support and improve the long-term health of Cockburn Sound.</p> <p>More than \$13.5 million has been invested in marine research through the WA Marine Science Institution (WAMSI) Westport Marine Science Program. This investment will:</p> <p>Inform decisions around the planning and design of the port, to avoid and minimise environmental impacts to the greatest extent possible, and support Westport's vision to build the most sustainable port in Australia.</p> <ul style="list-style-type: none"> Key studies into hydrodynamics, wave modelling and high-resolution benthic habitat mapping (including seagrass and habitat supporting key species' feeding and reproduction) were inputs to the MCA process. This science informed a key decision to shift the port footprint to a location that entirely avoids all existing seagrass meadows in Cockburn Sound. WAMSI has commenced publishing reports in line with the commitment for transparency. All other projects are on track to deliver findings to inform Environmental Impact Assessment (EIA) and finalised for publication shortly thereafter. 	Underway	 

Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
8 Apply 'Working with Nature' principles to embed environmental and social outcomes into infrastructure design and procurement of planning and design services.	<p>Westport has embedded PIANC's Working with Nature approach into our design process to support port design decision-making that can deliver positive environmental and social outcomes.</p> <p>In Stage 3 of Westport, Working with Nature principles were embedded by understanding the hydrodynamics and coastal processes of Cockburn Sound, locating the new port facilities and navigation channel to support these processes, and investigating opportunities to restore and create habitat within new infrastructure.</p> <p>Going forward, Westport will progress opportunities for mitigation, restoration, and resilience building activities.</p>	Underway	 
9 Fund the development of a cumulative impact prediction tool for Cockburn Sound.	<p>As part our WAMSI partnership, researchers are developing a cumulative impact model to help predict how various industry and government activities will impact Cockburn Sound. The Cockburn Sound Integrated Ecosystem Model (CSIEM) is in the final stages of development. Testing and fine-tuning of operational processes (for example access types, security, reporting, and governance) is underway.</p>	Underway	 
10 Co-fund and build a curated database for all environmental data and concluded studies - to be made available upon completion of the project.	<p>As part of our partnership with WAMSI to deliver the WAMSI Westport Marine Science Program, researchers are developing a platform to store environmental data. This platform is currently being populated with preliminary data.</p>	Underway	   



Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
11 Undertake comprehensive site surveys to document and map existing terrestrial flora and fauna potentially impacted in the Anketell Road corridor and “last mile”.	Site surveys of the Anketell Road corridor commenced in 2021 and will continue to 2025. Ecological surveys began in the Kwinana Industrial Area in spring 2023 with findings expected in April 2024. These site surveys will help us better understand potential impacts upon existing vegetation.	Underway	   
12 Improve understanding of dredging impacts in advance (pre-approval stage) through marine site investigations.	<p>Benthic (seabed) habitat mapping, geophysical investigations and sediment surveys are underway to help inform Westport’s dredge management approach. This will also be supported by the various other science projects delivered through the WAMSI Westport Marine Science Program, such as seagrass and fish species impact threshold studies.</p> <p>Westport will use this science to plan for a dredging program that minimises adverse environmental impacts to the greatest extent possible.</p>	Underway	 

Update on Stage 3 Social Actions

Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
13 Develop a plan for social values management.	<p>Working with local governments and using a gap analysis process we identified areas of social value within Westport’s footprint for consideration in future planning. This work has also been complemented by the WAMSI Westport Marine Science Program Theme 6 Social Values studies.</p> <p>The findings from the gap analysis and Theme 6 (Social Values) projects were inputs to the Westport Environment and Social Resilience Building Strategy, which proposes a suite of measures to address social values potentially impacted by Westport.</p>	Complete	    
14 Pursue all targets set out in the Noongar Opportunities Stage 3 Action Plan.	Collaboration is ongoing with Westport’s Noongar Advisory Group to deliver initiatives identified in the Strategy and Action Plan. As of January, we had completed 16 out of 28 actions. 5 actions are on track, 5 will be transferred to Stage 4 and 2 were not completed.	Underway	   
15 Quantify the job creation potential and job profiles required for the successful delivery and operations of the Westport Program.	<p>High level estimates of construction jobs were completed as part of the design project.</p> <p>A workforce strategy is under development to help facilitate potential employment opportunities and benefits from Westport.</p> <p>This strategy will articulate the potential jobs as part of the definition, delivery and operation of Westport.</p>	Underway	       





























Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
16 Collaborate across Government to develop strategies, training programs, and pathways to supply and retain the skilled workforce required in delivery and operations.	<p>The delivery and operational phases of the new port offers significant opportunities for the creation of high-quality, new and sustainable jobs.</p> <p>Working across Government departments and industry, Westport are developing a workforce strategy to prepare the workforce for construction, transition and operations.</p>	Underway	
17 Undertake academic research with industry and training operators to develop suitable educational pathway programs that lead to employment.	Westport is engaging with stakeholders including academic researchers, industry, training operators, unions and others to develop pathway programs and a workforce strategy.	Underway	
18 Undertake industry engagement across the full supply chain (all infrastructure components) to inform design and modelling, enabling iterative improvements to the design and sensitivity testing to encourage a commercially viable supply chain.	<p>Industry groups and associations (including freight and logistics, energy, commerce and industry, shipping and ports sectors), government agencies, local governments, and environmental groups were engaged to inform Westport's preferred design for the new port facilities and supply chain design.</p> <p>Westport met with our Supply Chain Industry Reference group 8 times between February 2022 and December 2023.</p> <p>Westport spent more than 600 hours engaging with stakeholders to reach a preferred design.</p>	Complete	





Action	Update	Status	Related UN Sustainable Development Goal(s) (SDG)
19 Include safety in design elements associated with the terminal, road, and rail within the Concept Design to protect terminal operators, community, and other road users.	<p>Design features, such as the removal of existing level crossings along the freight network, will help mitigate risks and improve road and rail safety.</p> <p>Safety was also a component of the MCA process and will continue to be a priority in the definition, delivery an operational stages.</p>	Complete	
20 Identify opportunities for a net improvement in road safety for all major roads identified within the Westport supply chain road network.	<p>Main Roads have identified a number of opportunities to improve road safety that will be pursued in the definition phase, these include:</p> <ul style="list-style-type: none"> • Grade separation of intersections • Provision of appropriate shoulders • Separation of vulnerable road users through shared path provision • Lighting • Verge and median road safety barriers • Intelligent Transport Systems 	Complete	
21 Identify opportunities for inclusion of automated transport within the Westport supply chain road network.	As part of a research and innovation strategy, Westport is consulting with industry and Government to help assess potential automation technologies and innovations.	Underway	
22 Deliver a research and innovation plan that prioritises innovation opportunities and funding for Stage 3.	Currently under development, Westport's research and innovation strategy will identify innovative new technologies, materials, products and processes in design, construction and operations.	Underway	





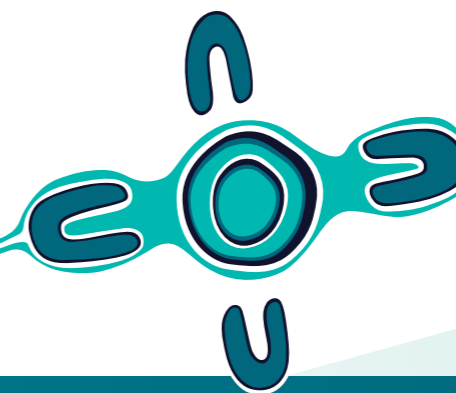
Update on Stage 3 Governance Actions

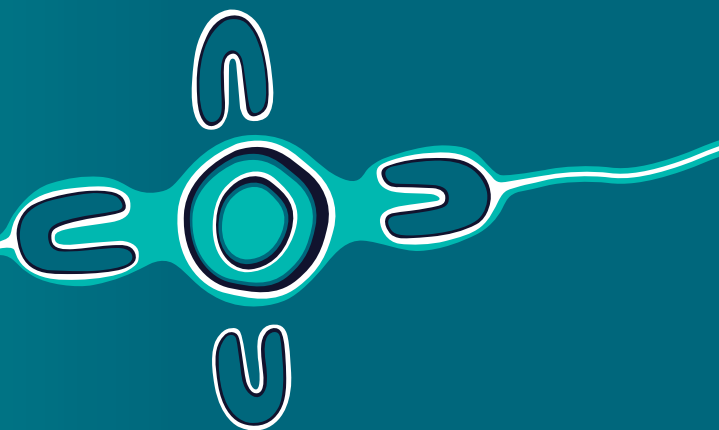
Action	Update	Status	Related UN Sustainable Development Goal(s)
23 Undertake holistic planning and design task across full supply chain (multi-criteria Analysis, MCA).	An MCA process identified the preferred design for the port and supply chain. To reach a preferred design, Westport engaged extensively with stakeholders from across the supply chain, including importers/exporters, marine service providers, quarantine services, rail operators, road transport operators, shipping lines, stevedores and port operators.	Complete	   
24 Achieve an Infrastructure Sustainability (IS) Planning Rating.	Working with the Infrastructure Sustainability Council (ISC), Westport aiming for an IS Planning Rating for the Port Planning and Anketell West projects.	Underway	     
25 Develop a resilience strategy and climate and natural hazard plan (including adaptation options or treatment plans for design).	Westport has delivered a Climate Adaptation Strategy and a Resilience Strategy. The Westport Climate Adaptation Strategy will guide Westport to withstand and recover from disruptions associated with climate change and natural hazards, and ensure the efficiency, scalability and resilience of the terminal and supply chain beyond 2070. To reach a preferred design, Westport considered climate change and sea level rise and responded to this through design of the quay elevation. The Westport Resilience Strategy Contemplates relevant shocks, stresses, interdependencies, vulnerable communities to identify and plan for treatment options that will promote resilient infrastructure and broader community resilience (over Westport's full design life).	Complete	   

Action	Update	Status	Related UN Sustainable Development Goal(s)
26 Produce a design considerate of growth in demand, Perth and sustainability requirements that ensures trade benefits to society are sustained to 2074.	The supply chain design considered the latest advice on the growth patterns in Perth provided by the Department of Planning, Lands and Heritage, and the effect of trends on origins and destinations. Westport's design will accommodate anticipated container trade volumes through to 2074. This is at current technology with innovation expected to enhance capacity. Westport is planning for a P50 trade forecast, but able to scale to accommodate a P90 forecast. We are considering how to make sure the design is scalable and can accommodate additional volumes beyond what is currently anticipated. The design is adaptable, with the flexibility to adopt to new technologies, innovations and trends in ship sizes.	Complete	     
27 Establish an ESG Reference Group, Marine Mitigation Working Group and Terrestrial Mitigation Working Group to provide key advice and input into development of ESG actions.	Westport's ESG Reference Group, Marine Mitigation Working Group and Terrestrial Mitigation Working Group were established in early 2023. The Westport ESG Reference Group continues to meet regularly with the Marine and Terrestrial Mitigation Working Group's transitioning to meeting on an as needed basis in the second half of 2023. Marine and Terrestrial Mitigation Working Groups have now concluded.	Complete	  
28 Engage with industry (including supply chain operators) to understand their long term ESG aspirations and long term ESG outcomes.	We asked industry about their ESG aspirations and considered their feedback in the development of Westport's preferred design. Westport's design consultants conducted more than 120 face to face meetings, site tours and working groups between 2022 and April 2024. Stakeholder engagement reports and interactions have been recorded by Westport.	Complete	  

Action	Update	Status	Related UN Sustainable Development Goal(s)
29 Actively monitor relevant Commonwealth and State Government frameworks to ensure alignment and interface management.	<p>The Westport Stage 3 Goals for system design were determined in early 2023 with reference to existing State and Commonwealth policy.</p> <p>We have included updated policy where developing strategies for implementation in Stage 4 (for example the net zero strategy includes evolving State Government policy with reference to the 2023 Commonwealth Infrastructure Policy Statement).</p> <p>A review of the goals and outcomes for Westport will be undertaken before the beginning of the next stage which will include an update for new or changed policy, subject to the Government's approval of Westport's Business Case.</p>	Underway	
30 Appoint an independent peer review group of national and global specialists to review the Westport Business Case prior to independent verification.	Westport has established a Specialist Advisory Group comprised of national and international, and independent specialists to review work undertaken by Westport, including the Business Case.	Underway	
31 Submit the Business Case for independent assessment to Infrastructure Australia.	Following Westport's Business Case submission to the WA Government in mid-2024, Westport will submit our business case to Infrastructure Australia for independent assessment.	Underway	
32 Report ESG performance publicly on a biannual basis.	The first Westport ESG Strategy Action Report was released in September 2023. This is Westport's second biannual ESG Report.	Underway	

Action	Update	Status	Related UN Sustainable Development Goal(s)
33 Report on Noongar Opportunities publicly on biannual basis.	Drafting of our second biannual report on Westport Noongar Opportunities Strategy Action Report is underway. The first biannual report is available on Westport's website.	Underway	
34 Finalise the Stage 3 Benefits Management Plan and publish lessons learned.	Westport is collaborating with other Government agencies to realise the benefits identified in Westport's Stage 3 Benefits Management Plan.	Underway	





Further Information

To find out more about the Westport Program and our ESG Strategy, visit www.westport.wa.gov.au