



# CLIMATE ACTION PLAN

2025 – 2030

A close-up photograph of a person's hand resting on a surface of reddish-brown soil. The hand is positioned in the upper right quadrant of the frame. The person is wearing a beaded bracelet with blue and red beads. The soil is textured and shows several sets of footprints, suggesting a path or journey. The lighting is bright, casting a shadow of the hand onto the soil to the right. The overall scene conveys a sense of connection to the land.

# ACKNOWLEDGEMENT OF COUNTRY

Pilbara Ports acknowledges the Traditional Owners of the land and waters in which we operate and pay our respects to Elders past and present.



# MESSAGE FROM THE CEO

I am proud to present Pilbara Ports Climate Action Plan, which guides our commitment to addressing the impacts of climate change and creating a resilient, low-emissions future for our ports and the wider supply chain.

Pilbara Ports plays a small, but pivotal, role in the monumental task of decarbonising one of the world's largest integrated export supply-chains. Whether it is the import of wind turbines and battery-electric mining trucks, supporting green marine fuels, or enabling the export of ammonia, hydrogen, battery metals, and green steel, the Pilbara's ports play an essential role in its decarbonisation journey.

While Pilbara Ports is just one link in a vast global chain, our efforts offer a meaningful opportunity to positively influence global decarbonisation. To develop our action plan, we have spoken with our customers to better understand their decarbonisation objectives and how we can support their transition. We see our role as enabler, facilitator, and cheerleader for bold decarbonisation plans, and we stand shoulder-to-shoulder with our customers to support their low-carbon goals.

Our operations sit at the heart of the Pilbara, a region not only rich in resources, but also deeply connected to its people, environment and future potential.

As custodians of critical marine supply chains and guardians of coastal and marine environments, we recognise our responsibility to act decisively and collaboratively, especially with our First Nation communities, in realising climate goals.

Planet represents one of our four strategic pillars, and our vision for success includes supporting emissions reduction initiatives through our ports and protecting the Pilbara's unique environment and heritage. With climate change already reshaping global trade patterns and infrastructure, it is vital that we ensure we lead with purpose and our operations and partnerships are strong and adaptive. The Climate Action Plan is not just a roadmap – it is a statement of intent. It outlines how we will reduce our environmental impact through innovation and identifies the key focus areas that will help us achieve this.

We are proud to partner with our customers, stakeholders, industry partners, and communities, to build a stronger, more sustainable future, not only for Pilbara Ports but for the Pilbara region, Australia and the rest of the world.

We welcome you on this journey as we take meaningful action on climate change.

Samuel McSkimming  
Chief Executive Officer





## OUR VISION

Our ports connect the possibilities of the Pilbara to the world so our customers and communities thrive.

## OUR VALUES

### SAFETY

We are committed to ensuring everyone goes home safe and healthy everyday.

### TEAMWORK

We value difference and do our best work when we collaborate, challenge, and back each other.

### CARE

We care for and respect our people, communities, and environment.

### EXCELLENCE

We take pride in our work and strive to improve.

### INTEGRITY

We deliver on our commitments and always act honestly and objectively.

Pilbara Ports Climate Action Plan provides a strategic framework for addressing the impacts of climate change by seizing business opportunities, building resilience against climate impacts and reducing greenhouse gas emissions.

This plan outlines key actions to mitigate climate risks, adapt to both physical and transitional climate impacts, and drive innovation for a sustainable future. As a low carbon future becomes central to our future port strategies, this plan aligns with stakeholder expectations while identifying opportunities to strengthen our operations against climate impacts.

### Our approach is focused on three key areas:



#### CLIMATE CHANGE OPPORTUNITY

Identify and align with business opportunities from proactive climate action, such as innovation, partnerships and new markets in the renewable energy and clean fuel sectors.



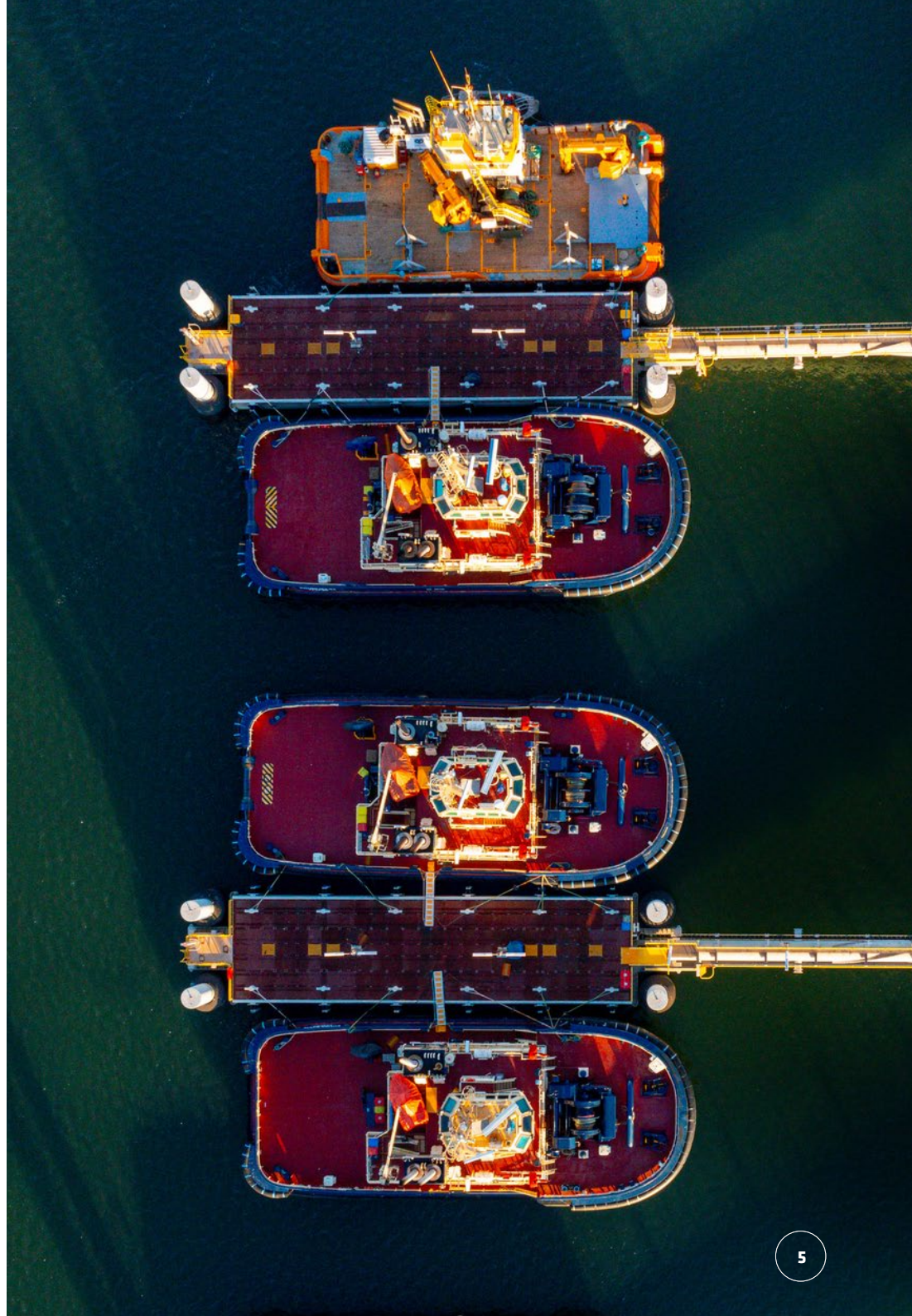
#### CLIMATE CHANGE RESILIENCE

Strengthen the ability of our port operations to withstand and adapt to climate-related risks, including extreme weather events and supply chain disruptions.



#### EMISSIONS REDUCTION

Implement strategies to lower our emissions through energy efficiency, renewable energy adoption, and work with our customers to reduce their emissions. This addresses both our own scope 1 and 2 emissions, and our scope 3 customer emissions within our port boundaries.





## CLIMATE CHANGE OPPORTUNITY

These initiatives support global decarbonisation goals and future proof our operations by ensuring we remain a preferred trade gateway for future markets. By embracing these opportunities, Pilbara Ports is driving future economic growth while reinforcing its commitment to sustainability. This aligns with our strategic pillars of Partnerships and Planet by working closely with our stakeholders to support their decarbonisation targets.

INITIATIVE	ACTION	TIMEFRAME	RESPONSIBILITY
<b>Develop the Pilbara Clean Fuel Bunkering Hub</b>	<ul style="list-style-type: none"><li>Deep engagement with our customers to establish a world class clean fuel bunkering hub to support the transition to low emissions shipping and help our customers decarbonise their operations. <a href="#">Refer to the case study on p.9</a></li></ul>	Ongoing	Principal Sustainability Advisor
<b>Conduct ammonia bunkering trials</b>	<ul style="list-style-type: none"><li>Continue to trial ammonia as a marine fuel within our ports to explore its viability in reducing carbon emissions, thus positioning Pilbara Ports at the forefront of sustainable maritime innovation.</li></ul>	Ongoing	Harbour Master East/Harbour Master West
<b>Develop green corridors between international ports</b>	<ul style="list-style-type: none"><li>Continue collaboration with industry and government to create low emission shipping routes, ensuring the Pilbara remains a key player in global decarbonisation efforts.</li></ul>	Ongoing	Principal Sustainability Advisor
<b>Sign memorandums of understanding with international ports</b>	<ul style="list-style-type: none"><li>Continue to partner with major international ports to drive emission reduction opportunities, enhancing Pilbara Ports global connectivity and reputation as a leader in emissions reduction initiatives.</li></ul>	Ongoing	Principal Sustainability Advisor

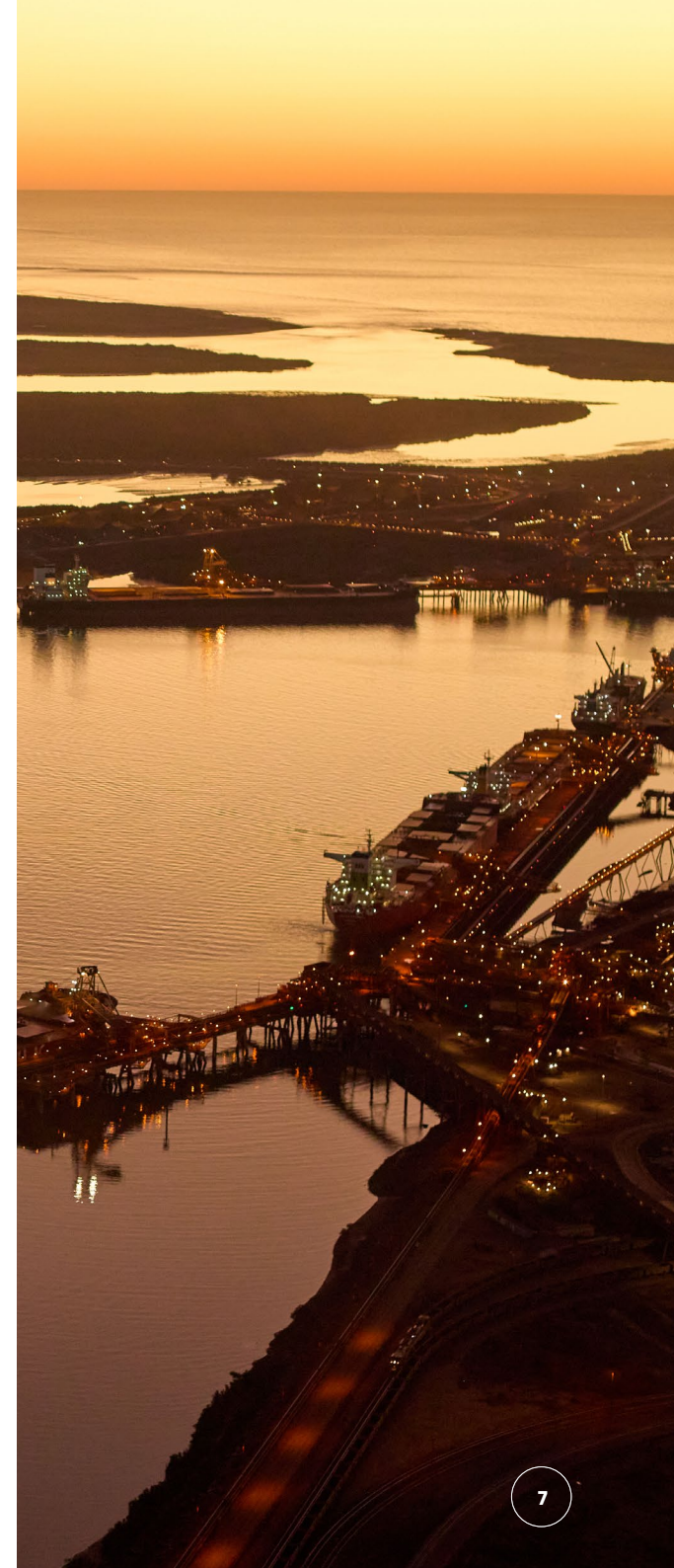




## CLIMATE CHANGE RESILIENCE

Strengthening climate resilience within Pilbara Ports protects our port operations against both the physical and transitional impacts of climate change, including protecting infrastructure and future economic activity. By proactively managing climate risks, Pilbara Ports safeguards its role as a critical trade port while meeting regulatory requirements and reinforcing confidence among stakeholders.

INITIATIVE	ACTION	TIMEFRAME	RESPONSIBILITY
<b>Climate risk scenario analysis</b>	<ul style="list-style-type: none"><li>Assess potential climate impacts on port operations to proactively manage risks and ensure long-term resilience. This analysis assessed climate change impacts from both a physical and transitional perspective using low, medium and high emissions scenarios.</li></ul>	Complete	Principal Sustainability Advisor and Senior Risk and Audit Advisor
<b>Coastal Hazard Risk Management Adaptation Plans for Port Hedland and Dampier</b>	<ul style="list-style-type: none"><li>Identify key risks for each port and develop strategies to mitigate coastal hazards, protecting critical infrastructure and maintaining operational continuity.</li></ul>	Complete	Principal Sustainability Advisor and Senior Risk and Audit Advisor
<b>Integrate climate risk into Internal Risk Framework</b>	<ul style="list-style-type: none"><li>Embed climate risks into the broader risk management processes to enhance decision making and resilience planning.</li></ul>	Complete	Principal Sustainability Advisor and Senior Risk and Audit Advisor
<b>Climate risk reporting to Department of Treasury</b>	<ul style="list-style-type: none"><li>Align with government expectations by transparently reporting climate risks and adaptation measures, demonstrating our commitment to managing climate risk within our ports.</li></ul>	Ongoing	Principal Sustainability Advisor and Senior Risk and Audit Advisor





## EMISSIONS REDUCTION

Through working closely with our customers to reduce their emissions, as well as reducing our own emissions, we reinforce our strategic pillars of Partnerships and Planet, and drive industry wide decarbonisation in the Pilbara. By meeting government emissions targets and working closely with our customers and stakeholders, we ensure Pilbara Ports remains compliant and well positioned to support the transition to a low carbon economy.

INITIATIVE	ACTION	TIMEFRAME	RESPONSIBILITY
<b>Net Zero Transition Plan</b>	<ul style="list-style-type: none"><li>Implement a clear roadmap to reduce our scope 1 and 2 emissions by 80 per cent by 2030 through renewable energy integration and operational efficiencies. <a href="#">Refer to the case study on p.11</a></li></ul>	Ongoing	Principal Sustainability Advisor
<b>Scope 3 emissions analysis, forecasting and collaboration</b>	<ul style="list-style-type: none"><li>Assess our supply chain to understand where our material emission sources are situated and identify opportunities for collaboration with customers on decarbonisation initiatives.</li></ul>	Ongoing	Principal Sustainability Advisor
<b>Port Hedland renewables feasibility study</b>	<ul style="list-style-type: none"><li>Undertake a detailed feasibility study in partnership with Horizon Power for solar and battery renewable energy solutions to reduce emissions at both East Side and Utah Point.</li></ul>	June 2025	Principal Sustainability Advisor



# PILBARA CLEAN FUEL BUNKERING HUB

The Pilbara Clean Fuel Bunkering Hub is a key initiative within Pilbara Ports Climate Action Plan, supporting the decarbonisation of the shipping, maritime and resource industry.

As the global maritime sector accelerates its investment in alternative fuels, the Pilbara is expected to be one of the first locations worldwide to achieve large-scale deployment of vessels powered by clean fuels.

As the world's largest bulk export port authority, Pilbara Ports is at the forefront of developing a clean fuels bunkering industry that will drive the global transition to low emissions shipping.

**Our goal is for 100 per cent of bulk export vessels departing the Pilbara to be powered by clean fuels, supporting both our customers and communities in building a sustainable future.**

This initiative focuses on providing locally produced clean fuels for use as a marine fuel, enabling our customers to reduce emissions and align with 2050 decarbonisation targets. Leveraging the Pilbara's proximity to ammonia production facilities and shorter transit distances will result in lower well-to-wake carbon intensity and a high quality, commercially viable fuel supply.



## What is our purpose?

- Facilitate the establishment of a Pilbara Clean Fuel Bunkering Hub.
- Facilitate locally produced clean fuels that help our customers reduce their emissions.

## How will we achieve our purpose?

- Aggregate customer demand and supply capacity to promote clean fuel bunkering.
- Connect local producers with local consumers via our clean fuels bunkering hub working group.
- Allow for scaled delivery solutions.
- Commence bunkering in the Pilbara.

## Key focus areas:



### Infrastructure planning

Identifying and developing the necessary port infrastructure.



### Ammonia bunkering licensing

Establishing a regulatory framework for safe and compliant ammonia bunkering.



### Demand aggregation

Researching and forecasting ammonia demand to develop economies of scale.



### Economic analysis

Identifying cost drivers and opportunities for reduction.



### Government partnerships

Partnering with the State and Federal Government to achieve net zero by 2050.



### Stakeholder engagement

Collaborating with industry, shipping companies, and international ports.



### Supply option assessment

Understanding supply options, including transport, storage and various bunkering options.



### Incentive structures

Exploring mechanisms and financial incentives to encourage industry adoption.



### Marine operations

Conducting operational studies and trials to assess safety, efficiency, zoning and feasibility.

# NET ZERO TRANSITION PLAN

**Pilbara Ports is committed to supporting the Western Australian Government's emissions reduction target of an 80 per cent reduction in greenhouse gas emissions by 2030 (based on a 2020 baseline).**

In line with this objective, we are advancing a range of initiatives to decarbonise our operations and lay the foundation for a long-term transition to net zero by 2050.

A key focus of our current efforts is a detailed feasibility study, in collaboration with Horizon Power, to assess the deployment of on-site solar power generation and battery energy storage systems at our Port Hedland operations. If progressed, this initiative has the potential to reduce more than 1,000 tonnes of carbon dioxide emissions (CO<sub>2</sub>e) annually as well as reducing peak loads from our operations.

At our new Lumsden Point operations, we are taking proactive steps to reduce diesel dependency through the purchase of two hybrid electric cranes. These cranes represent a meaningful step towards reducing emissions from port equipment and supporting cleaner, more efficient operations.

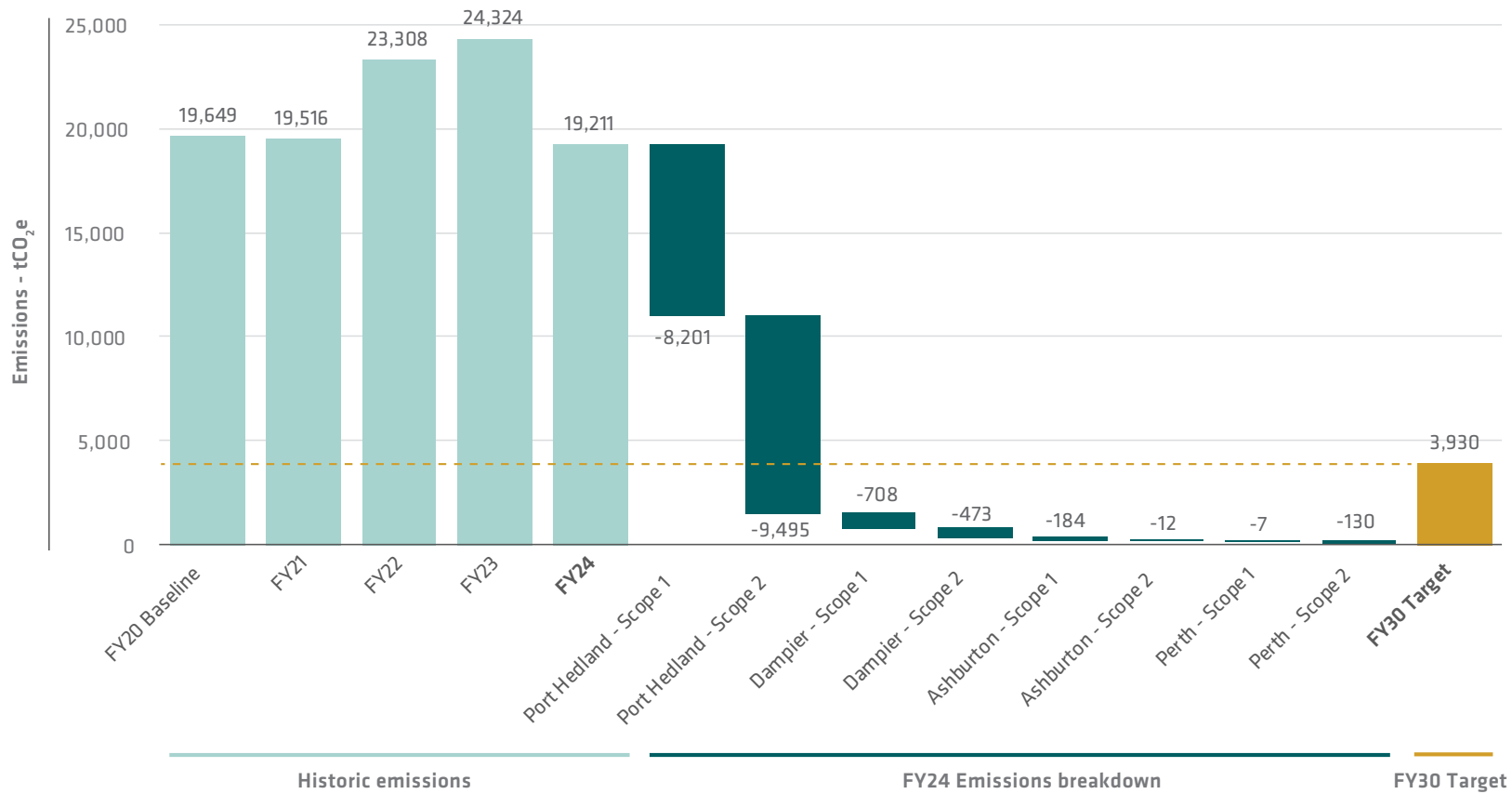
In our Perth office, we have agreed to the procurement of green power, reinforcing our commitment to reducing our emissions across all locations.

In addition, Pilbara Ports is undertaking energy efficiency and emission reduction trials across our housing portfolio in Port Hedland. These trials are testing a range of technologies including:

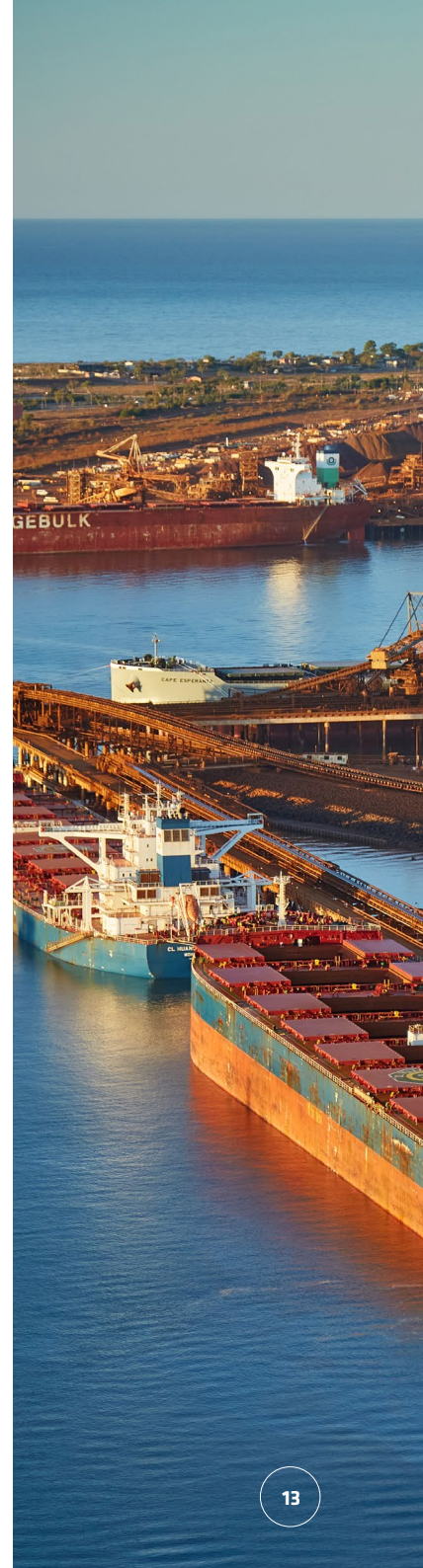
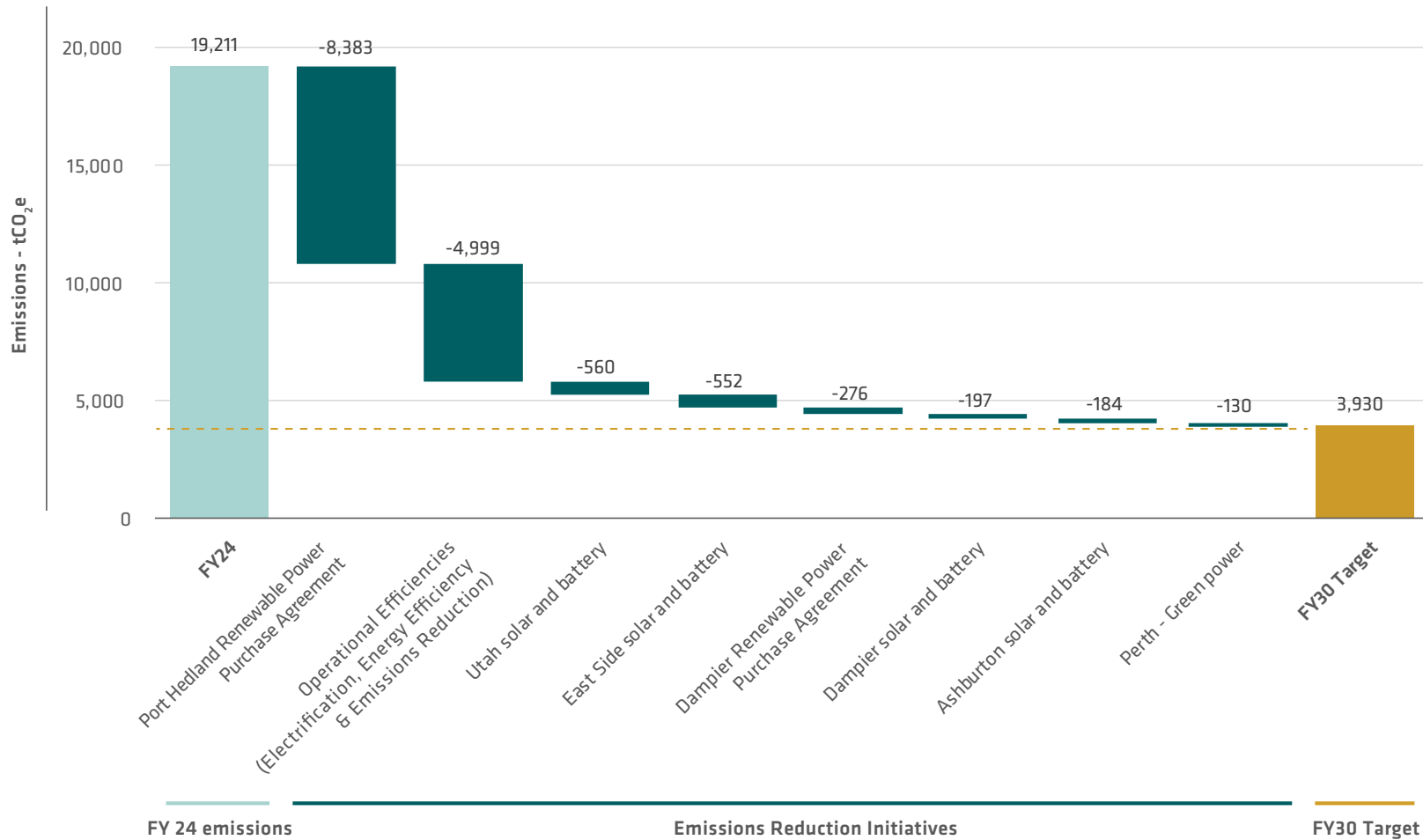
- Solar roof ventilation systems;
- Thermal insulation roof coatings;
- Rooftop solar panel installations; and
- The replacement of hydrofluorocarbon (HFC) refrigerants with naturally occurring hydrocarbon (HC) refrigerants.

Looking ahead, access to renewable power purchase agreements will be critical to achieving our emissions reduction goals. As these become available in the Pilbara region, they will play a central role in decarbonising our electricity consumption and meeting our 2030 target. Pilbara Ports is committed to exploring the most cost-effective pathways to decarbonisation, ensuring that our transition to lower emissions is both financially sustainable and operationally efficient. This includes evaluating the viability of power purchase agreements, on-site renewables, operational efficiencies and emerging technologies as part of a balanced and responsible net zero transition plan.

## Emissions baseline and breakdown



## Net zero transition plan - Pathway



**Corporate office**

Level 5, 999 Hay Street  
Perth WA 6000

**Dampier office**

Mof Road  
Murujuga (formerly the Burrup Peninsula)  
Dampier WA 6713

**Port Hedland office**

The Esplanade  
Port Hedland WA 6721

**1300 100 772**

[www.pilbaraports.com.au](http://www.pilbaraports.com.au)

[port.development@pilbaraports.com.au](mailto:port.development@pilbaraports.com.au)

