**OUR VISION:** To be the **global leader** in port planning, operations and marine services

**COMMUNITY AND STAKEHOLDERS**

- **Community Consultation Committees**
  - 8 meetings each year across our 3 port locations
  - Dampier, Port Hedland and Ashburton

- **Community Support Initiative**
  - >$293,000 in 2017/18 in financial and in-kind support across the Pilbara

- **Mangrove Rehabilitation Program**
  - 6,500 MANGROVE SEEDLINGS
  - Mangrove Mates School Program Reached 1,172 students @ 9 schools across the Pilbara

**RISK AND GOVERNANCE**

- **IMS CERTIFICATIONS:**
  - ISO 27001:2013 Information Security
  - AS/NZS 4801:2001 Occupational Health and Safety
  - ISO 9001:2015 Quality Management

- **BIOSECURITY SYSTEMS** to protect our marine environment
  - Early Warning System
  - Vessel Risk Assessment

- **LOCAL TRADITIONAL HERITAGE**
  - Cultural Heritage Management Plan
  - Heritage Action Plan

In 2017/18, PPA reported a Lost Time Injury Frequency Rate of 1.42 against a target of 1.7

**PLANNING AND DEVELOPMENT**

- **16% modelled shipping capacity** in the Port Hedland channel
  - from 495 mtpa to 577 mtpa

- **3 GREENFIELD PORTS** in development – Balla Balla, Cape Preston East and Anketell – to support long term growth

- **Trade diversification strategies** exploring new opportunities
  - Livestock, Lithium, Cruise shipping

**OPERATIONS**

- **Record annual throughput**: 699.3 million tonnes 2017/18

- **2 of the world’s largest bulk export ports**

- **>15,500 safe vessel movements** in 2017/18

- **7.5% of global LNG exports**

- **50% of global seaborne iron ore exports**

- **2017/18**

- **Record annual LNG throughput**: 24.3 million tonnes

- **Record annual iron ore throughput**: 654.6 million tonnes

- **>15,500 safe vessel movements** in 2017/18

- **>7,000** vessel movements

- **>1,200** ship to ship transfers

**INNOVATION**

- **World-first Dynamic Port Capacity Model**
- **State-of-the-art full-bridge Maritime Simulator**
- **Most advanced Dynamic Under Keel Clearance system**
- **Ground-breaking Tidal Model Study**
- **Portable Pilot Units** improve safety
- **PortMap** innovative mapping application

- Industry leading practices enable customers to safely export **MORE product, MORE efficiently**

- **Declared depth availability increased by 71 cm at Port of Port Hedland**

- Each 10 cm equates to 1,200 tonnes of extra cargo per vessel

**OUR TEAM**

- **Local and experienced professionals**
- **Advanced equipment**
- **State-of-the-art infrastructure**

**OUR MISSION**

- To be the global leader in port planning, operations and marine services

**OUR VALUES**

- Safety
- Reliability
- Service
- Innovation
- Excellence

**PILBARA PORTS AUTHORITY**

AUGUST 2018
OPERATIONS
Facilitating trade for the benefit of customers and community

OUR NUMBERS

Pilbara ports provide gateways to Asia-Pacific region:
- Port of Port Hedland
- Port of Dampier
- Port of Ashburton

- PPA costs per tonne down 3.2% each year on average over the past 6 years
- Pricing relief for junior miners since 1 July 2015
- $330 million 5-year capital and Port Improvement Rate works program

8.3% average annual growth over the past 6 YEARS
>15,500 safe vessel movements in 2017/18

Record annual throughput = 699.3 million tonnes
2017/18 ↑5% from the previous year

Record tonnage on a single tide = 1.6 million tonnes 27 Dec 2017
Record single shipment = 270,006 tonnes 1 March 2017
Record sailing draft = 19.95m 1 March 2017

PORT OF PORT HEDLAND

OUR OPERATIONS

Internationally certified Vessel Traffic Services – ports of Port Hedland, Dampier and Ashburton

Safely managing the growth of larger vessels in the Port of Port Hedland (42% of vessels now greater than 200,000 dead weight tonnage)

Vessel Movement Protocols optimise port efficiency for the benefit of all users

Experienced Harbour Masters, marine pilots and licenced towage providers

Best practice operational management procedures support shipping continuity and minimise disruption

Consistent security regime across all ports

VALUE FOR OUR CUSTOMERS

- Best practice operations deliver efficiency around overall throughput
- Strong focus on maximising shipping continuity
- Investment in equipment and training provides safer and more efficient shipping
- Experienced management team that understands the industry
- Lean operating model supports safe operations at lower cost
- Facilitation of larger volumes provides customers with competitive advantage
- Closeness to major world markets allows customers to reduce tonnage per mile travelled
- Best-practice incident and emergency management plans in place
RISK AND GOVERNANCE

Global standards reduce risk and support confidence

OUR NUMBERS

The safety of every employee, port user, service provider or visitor to any of PPA’s sites remains our highest priority.

In 2017/18, PPA reported a Lost Time Injury Frequency Rate of 1.42 against a target of 1.7.

2 marine bio-security initiatives: • Early Warning System • Vessel Risk Assessment now deployed State-wide by WA Department of Fisheries.

4 CERTIFIED STANDARDS:

✓ ISO 27001:2013 Information Security
✓ AS/NZS 4801:2001 Occupational Health and Safety
✓ ISO 9001:2015 Quality Management
✓ ISO 14001:2015 Environmental Management

Complies with ISO 31000:2009 Risk Management Principles and Guidelines

Cultural Heritage Management Plan and Heritage Action Plan outlines measures used to protect and manage cultural heritage sites.

OUR MANAGEMENT OF RISK

1 Safety-first approach delivers the best safety outcomes for employees and contractors.

Integrated Management System provides service quality and consistency.

Certification ensures an integrated, consistent approach to safety and environmental management at all ports.

Risk management is embedded consistently across all operations.

Business Continuity Framework enables rapid recovery from disruptive events.

Heritage Action Plan for management of heritage within PPA land and waters.

VALUE FOR OUR CUSTOMERS

- Risk management approach mitigates potential impacts to operations.
- Confidence in legal and regulatory compliance verified by independently assessed management systems.
- Environmental management assists in the early identification and management of risks and issues for the benefit of all port users.
- Procedures for swift recovery from incidents, ensures minimal disruption.
- Security of stored information.
- Overall reduced risk for port users.
COMMUNITY AND STAKEHOLDERS
Committed to building sustainable communities

OUR NUMBERS

Community Support Initiative
>$293,000 in 2017/18 in financial and in-kind support across the Pilbara

Community Consultation Committees
8 meetings each year across our 3 port locations

Mangrove Rehabilitation Program
6,500 MANGROVE SEEDLINGS planted since 2010

Mangrove Mates School Program Reached
1,172 students @ 9 schools across the Pilbara

7 clean-up programs during 2017/18 across PPA sites including leading ICARE (Industrial Communities Against Rubbishing our Environment) program at the Port of Dampier.

HELPING TO BUILD SUSTAINABLE COMMUNITIES

Our local-first policy gives preference to Pilbara businesses and means more than 150 employees are based in the region

Marine Cadetship program launched for Pilbara school leavers

Community Consultation Committees for ports of Dampier, Port Hedland and Ashburton facilitate information sharing and consultation

Community and stakeholder feedback welcomed through annual stakeholder survey and regular meetings

Environmental programs create positive partnerships between ports, the local community and industry

87 regionally based AMSA-trained oil pollution responders and 63 AIIMS-trained incident staff that ensures response capability

VALUE FOR OUR STAKEHOLDERS

Vibrant, sustainable communities assist to attract and retain skilled employees for Pilbara-based operations

New plans and projects more readily accepted by local residents and business owners

Confidence in ability to facilitate open and transparent discussions with key community and business stakeholders

Ongoing Recreational Vessel Safety advertising and education campaign helps keep the community safe and the ports operating safely

Annual Stakeholder Satisfaction Survey provides genuine feedback opportunity and allows for the identification of improvement opportunities

PILBARA PORTS AUTHORITY

AUGUST 2018
INNOVATION
Investing in innovation to maximise port efficiency and safety

OUR NUMBERS

- Ground-breaking Tidal Model Study + world-first Dynamic Port Capacity Model = increased declared depth availability by 71cm at Port of Port Hedland
- Dynamic Under Keel Clearance system and Portable Pilots Units have allowed for a minimum 90cm clearance for vessels
- Increase in the number of restricted capsize vessels capable of sailing on a single tide in the Port of Port Hedland

- Winner 2017 SSSI Hydrography Commission’s Hydrographic Excellence Award
- Winner 2018 IPAA Achievement Awards - Finance Practitioner of the Year
- Winner 2018 IHMA Safe, Efficient and Secure Port Award

OUR INNOVATIONS

- World-first Dynamic Port Capacity Model
- Ground-breaking Tidal Model Study
- Most advanced Dynamic Under Keel Clearance system
- Portable Pilot Units improve safety
- Whole of port scenario-based training at the state-of-the-art Maritime Simulator
- PortMap innovative mapping application

VALUE FOR OUR CUSTOMERS

- Increased safety
- Increased capacity and throughput
- Sailing draft maximised allowing customers to export more product, more efficiently
- Whole of port scenario-based training results in best trained marine professionals in Australia
- Realistic training model and maritime simulator provides vital skills for port users in emergency response
- Streamlined and efficient ICT systems ensures stability in operations
PLANNING AND DEVELOPMENT

Future focus creates opportunities for customer growth

OUR NUMBERS
16% increase in modelled capacity at Port Hedland
Inner harbour forecast capacity to rise from 495mtpa to 577mtpa
First shipment of LNG from the Port of Ashburton > October 2017
Utah Facility built to facilitate global trade for junior miners

OUR APPROACH
Port Development Strategy for all ports across the Pilbara to 2030
Individual port master and land use plans
Longer-term plans in place for greenfield sites
Developing greenfield sites supports industry growth and benefits the economy
Replacement or refurbishment of infrastructure to ensure safety and efficiency
Trade diversification strategies exploring new opportunities and markets

VALUE FOR OUR CUSTOMERS
→ Opportunity to grow and expand regional operations and industry
+ Benefits for all users in a multi-user environment
↗ Increased confidence for future planning
 Tradable options from leveraging infrastructure
Consistent development practices
Integration of port land with the State’s strategic industrial areas

DEVELOPMENT SITES:
Balla Balla: multi-user 50mtpa+ iron ore and bulk minerals
Cape Preston East: multi-user 20mtpa+ bulk minerals
Anketell: multi-user 350mtpa+ iron ore

OUR APPROACH

OUR NUMBERS

VALUE FOR OUR CUSTOMERS