

Kaimoana for Our Future

Tauranga Moana's kaimoana reserves are being enhanced through a joint project involving Port of Tauranga, local iwi and University of Waikato researchers.

The pipi bed relocation project is funded by Ngā Mātarae Charitable Trust, which was established to balance the impact on the cultural and spiritual values of iwi resulting from the harbour dredging work.

The Trust is comprised of representatives of Tauranga Moana iwi (Ngāti Ranginui, Ngāi Te Rangi and Ngāti Pūkenga), Mauāo Trust, Tauranga Moana Iwi Customary Fisheries Trust and Port of Tauranga. The Trust has contracted Manaaki Te Awanui to deliver the pipi enhancement project.

It involves local primary and secondary school children in relocating at-risk pipi to shellfish beds elsewhere in the harbour, while undertaking biological research, recording oral histories and establishing baseline environmental monitoring.

It's an example of stronger links being forged between the many people and organisations connected to the harbour, as well as the bringing together of traditional and scientific values.

It's also an opportunity to build relationships and safeguard the harbour into the future.

A clean and healthy Tauranga Moana is vital to our business. The concept of kaitiakitanga or guardianship is the foundation of our relationships with our many community partners.



Our Kaupapa

Port of Tauranga has a responsibility as kaitiaki of our harbour and our people.

Our aim is to manage growth in a way that benefits all our stakeholders – including our shareholders, customers, community and staff – both in the short and long term.

Our community support initiatives reflect this goal. With an eye to the future, we invest in community assets, visitor-attracting events and education programmes. We also strive to improve our own performance every single day, and are committed to avoiding harm to our workers and our environment.

Highlights

Total recordable injury frequency rate remained steady at 5.6 per million hours worked

5.6 per
MILLION HOURS

Four major construction and demolition projects completed without a single safety incident and while container terminal operations continued at record volumes

4
MAJOR PROJECTS INCIDENT FREE

Six million m³ dredging project completed on time and under budget, meeting all our environmental, social and cultural obligations

6 million m³
DREDGING COMPLETED

Ten tertiary education scholarships awarded under two programmes

10
SCHOLARSHIPS AWARDED

Funding of wide range of research projects

6
RESEARCH PROJECTS FUNDED

People

Safety

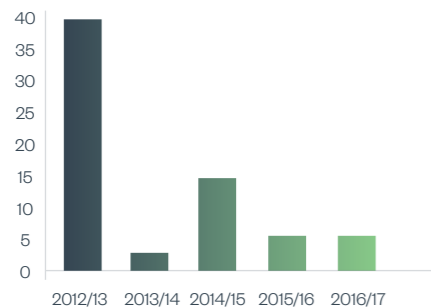
Our Port Users' Health & Safety Forum brings together all the organisations that work on site, reinforcing a mindset of shared risk management for adjacent or integrated port activities.

We had a busy year of capital works and are pleased to report the incident-free construction of the new 22,000 m³ Shed 16, involving 20 different on-site contractors. The decommissioning of Crane 1, the construction of two new cranes and the demolition of Shed 12 were all also incident-free.

In the past two years, our focus has shifted from one-dimensional hazard management to dynamic and proactive critical risk identification, mitigation and monitoring.

Our Total Recordable Injury Frequency Rate (TRIFR) was the same as the previous year at 5.6 per million hours worked. There was one Lost Time Injury and one Medical Treatment Incident.

TRIFR



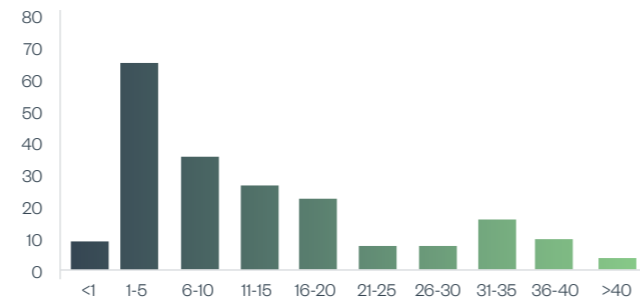
Staff

Port of Tauranga directly employs around 200 people, but ten times that number work on the wharves or at associated businesses.

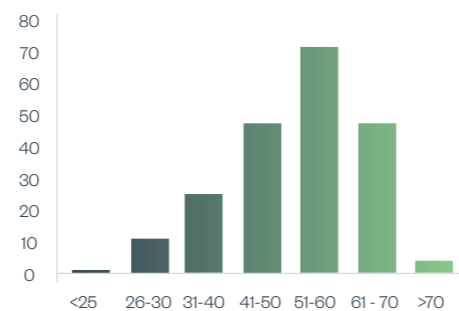
We aim to make Port of Tauranga a great place to work. Our remuneration, work hours flexibility, learning and development opportunities, location and business success ensure we are a sought-after employer, and we strive to preserve this reputation.

Staff turnover is consistently low and is normally less than 5% however this year, in line with our age and retention profile, we had a turnover of slightly more than 6%. Of those who left, more than 60% retired, with an average length of service of 30 years. Nearly half of our people have been with us more than 10 years, and more than 20% have been employed for 20 years or more.

Length of Service (Years)

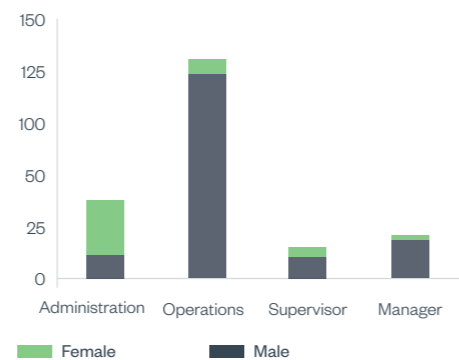


Age Profile (Permanent and Permanent Part Time)



This depth of experience is balanced with the fresh approach and new ideas of a younger cohort of employees. More than 35% of all staff joined in the last five years, bringing with them a greater diversity of gender and age.

Diversity



Overall, 18% of the workforce is female. Close to a third are in key operations, supervisory or management roles.

Port of Tauranga staff volunteer testing new life jackets



Health and safety representatives from across the business get involved in user testing to select the best new equipment.

The Port's focus on further improving worker participation has resulted in a positive change in workplace culture.

In another example, operations teams were involved in the concept and design stage of the new mooring winch assembly for Berth 11. Their input ensured operational effectiveness and change acceptance to increase overall safety.

Partnerships

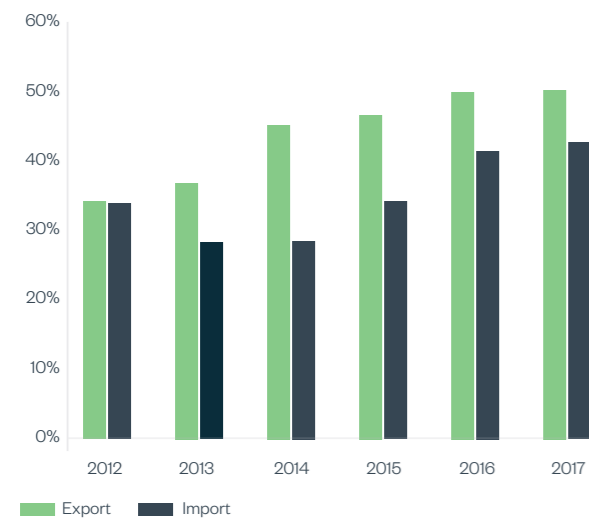
Port of Tauranga's partnership with KiwiRail removed the equivalent of 463,930 truck movements from the road over the year, saving at least 21.3 million litres of diesel and 57,994 tonnes of carbon emissions.

This relationship with rail is typical of the Port's desire to find long-term solutions to environmental challenges, working with our partners to minimise our impact on our surroundings.

Port of Tauranga has taken an industry leadership role in the introduction of national qualifications. The Port's representative on the Port Industry Association is involved in the development and launch of the new National Certificate in Port Operations.

Membership of organisations such as the association, Port CEOs' Forum, and Business Leaders' Health and Safety Forum helps Port of Tauranga share best practice, learn from others and consolidate incident data and industry wide trends.

Rail share of land movements in and out of the container terminal

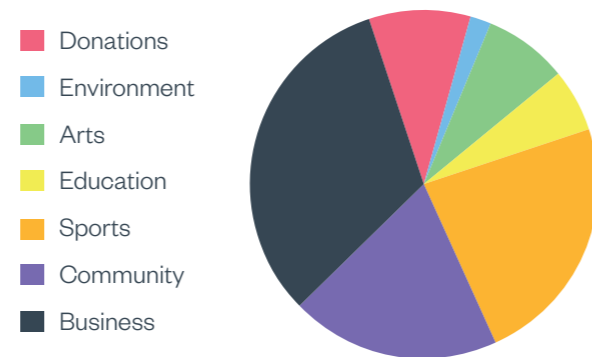


Port of Tauranga's pursuit of operational biosecurity excellence was recognised in the inaugural New Zealand Biosecurity Awards announced in August 2017. The Port partnered with Kiwifruit Vine Health, the Ministry for Primary Industries and other agencies on the initiative, which included an awareness programme for all Port staff.



Awards Judge Dr. John Hellstrom, MPI Director-General Martyn Dunne, Port of Tauranga Chief Executive Mark Cairns and Minister for Primary Industries Nathan Guy.

Community Investment:



Our community sponsorship portfolio reflects our wish to be a good neighbour and play an active role in building strong and vibrant local, regional and national communities. We favour long-term partnerships, such as our multi-year sponsorship of the Port of Tauranga Rescue Winch on the Trustpower TECT Rescue Helicopter. The winch was used 19 times in rescues during the financial year, and another 50 times in training sessions.



Port of Tauranga rescue winch on the Trustpower TECT Rescue Helicopter.

We took on the naming rights for the Port of Tauranga Half Ironman in 1991 and also sponsor the Tauranga Arts Festival. Both events bring visitors to the region and add to the richness of life in the Bay of Plenty.



Braden Currie crosses the finish line in a time of 03:45:38.

During the year, Port of Tauranga donated to Tauranga Foodbank, Red Cross' Kaikoura Earthquake Appeal, The Waipuna Hospice and Cure Kids, as well as to a number of local schools, sports groups and individual athletes.



Alex Hart, 2016 national champion windsurfer from Mount Maunganui, who was supported by Port of Tauranga in his bid for international titles.

Port of Tauranga and Bay Oval Trust are delighted to announce a five-year partnership



Artists' impression of Bay Oval, Blake Park.

Bay Oval Trust operates the international sportsground at Blake Park, adjacent to the Port at Mount Maunganui. The Port's sponsorship will help fund new floodlighting and other amenities, elevating the stadium to one of the country's best international cricket facilities and enabling the hosting of more prestigious matches.

Tauranga will be one of four host cities for the U19 Cricket World Cup in 2018, involving teams from 16 countries. Seven games will be held at the Bay Oval in January 2018.

The new partnership is another example of Port of Tauranga's direct and indirect investment in community infrastructure and assets, ensuring the Bay of Plenty shares the benefits of our success.

Partnerships (Continued)

Education has long been a priority sector for Port of Tauranga. In addition to our partnership with University of Waikato's coastal research unit, we support individual tertiary students to reach their educational goals.



Otumoetai College students on a recent visit.

For the past 27 years, we have awarded tertiary study scholarships from the Turirangi Te Kani Memorial Scholarship established in honour of one of Tauranga's leading community figures.

Students interested in an area of expertise that could benefit the future wellbeing of the harbour are also eligible for Port-sponsored scholarships from the Ngā Mātarae Charitable Trust.

Tertiary students interested in a career in the industry can work for the Port through one of our cadetship, internship or apprenticeship programmes, many of which are delivered in partnership with our regional tertiary provider, Toi Ohomai Institute of Technology.



Kids' start of the Mount Joggers & Walkers Half Marathon.

Secondary school students have the opportunity to glimpse behind the port gates through Instep, a programme run by the Bay of Plenty's economic development agency, Priority One. This year, 60 Year 11 economics students toured the Port's facilities.

Cruise ship passengers contributed an estimated \$40 million of GDP to the Bay of Plenty economy over the 2016/2017 season.

Following the dredging, we were able to host the mega cruise ship *Ovation of the Seas*. It made three visits over the season, bringing around 4,900 passengers and 1,500 crew members to Tauranga each visit and providing a spectacle for local residents.

A total of 86 cruise ships visited between October 2016 and May 2017.



Ovation of the Seas leaving Tauranga Harbour. (Photo courtesy of Bryan Clinch)

Three iwi have mana whenua status in the Bay of Plenty region – Ngāti Ranginui, Ngāi Te Rangī and Ngāti Pūkenga. Port of Tauranga works with iwi and other Maori organisations in a number of formal and informal forums, including the Ngā Mātarae Charitable Trust.

The Trust was established by the Port and iwi to balance the impact on the cultural and spiritual values of local Maori from the recently-completed harbour dredging work.

It has a scholarship programme, funds a pipi relocation programme within the harbour involving local schoolchildren, and is seeking to sponsor other initiatives to improve the wellbeing of Te Awanui Tauranga Harbour.

Places

Tauranga Moana is at the heart of our business and its health is foremost in our approach to our operations.

Port of Tauranga's long-standing relationship with the University of Waikato contributes to the harbour's reputation as one of the most-researched and well-understood in Australasia.

Over several decades, the Port has sponsored research and in return received in-depth, robust scientific data and analysis.

Current supported projects include monitoring any impacts of the dredging programme, simulating the effects of future development proposals, kaimoana monitoring and surf profile analysis.

Professor Chris Battershill, Coastal Chair and Director of the University of Waikato's Field Station at Sulphur Point, says the Port's research support has ensured any impacts are closely monitored.

Port of Tauranga was a founding supporter of the INTERCOAST programme, a collaboration between Waikato University and Germany's Bremen University launched eight years ago, involving more than 50 PhD students and Post-Doctorate Fellows since.

"INTERCOAST involves research into coastal marine ecology, economics, physics, law and culture. Examining the interaction among these elements is novel and we have an ideal opportunity here every day, to study a vibrant port in a large urbanised estuarine setting," says Professor Battershill.

The university has monitored the maintenance dredging of the harbour as well as the significant capital dredging programme completed in September 2016.

The programme, a six million cubic metres underwater earthmoving project, was completed on time, under budget and met all of the Port's environmental, cultural and social obligations.

Stormwater management is a current priority for improvement.

In the past year, infrastructure has been upgraded, sweeping of the log yards has been increased and sealing has been extended at the Tauranga Container Terminal. All these works help ensure dust and debris is prevented from entering the harbour.



The Balder R, Gungner R, Brage R, Skinfaxe R, Rind R and Bjarke R dredging the entrance channel.

Measuring Our Progress

	2017	2016	2015
Electricity Use			
Total electricity used by port operations (kWh)	27,780,702	27,134,489	26,592,230
Electricity used by terminal operations (kWh/TEU)	25.58	28.44	31.24
Electricity used by terminal reefer operations (kWh/TEU)	228.59	244.58	280.47
Electricity used by bulk operations (kWh/Tonne)	1.25	1.35	1.32

Diesel Use			
Total diesel use by port operations (Litres)	3,944,777	3,494,666	3,178,645
Diesel used by terminal operations (Litres/TEU)	2.91	2.96	2.81
Diesel used by port operations per straddle (Litres/Hour)	18.67	19.48	18.74
Diesel used by marine operations (Litres/Vessel)	530.89	529.18	570.62

Transport			
Total truck movements onto port	605,595	559,602	580,455
Containers moved by rail - Imports (% TEUs)	42.8%	41.6%	34.3%
Containers moved by rail - Exports (% TEUs)	50.4%	50.1%	46.8%
Rail (NTKs Billion)	1.600	1.500	
Savings - reduced heavy vehicle impact (# Trucks)	463,930	458,388	
Savings - fuel (Million Litres)	21.30	21.30	
Savings - CO ₂ emission (Tonnes)	57,994	57,923	

TEU = TWENTY-FOOT EQUIVALENT UNIT
 NTK = NET TONNE KILOMETRES

Port of Tauranga Steel Wheels

KiwiRail: Your partner in sustainable freight

