



PORTS OF
AUCKLAND
TĀMAKI HERENGA WAKA



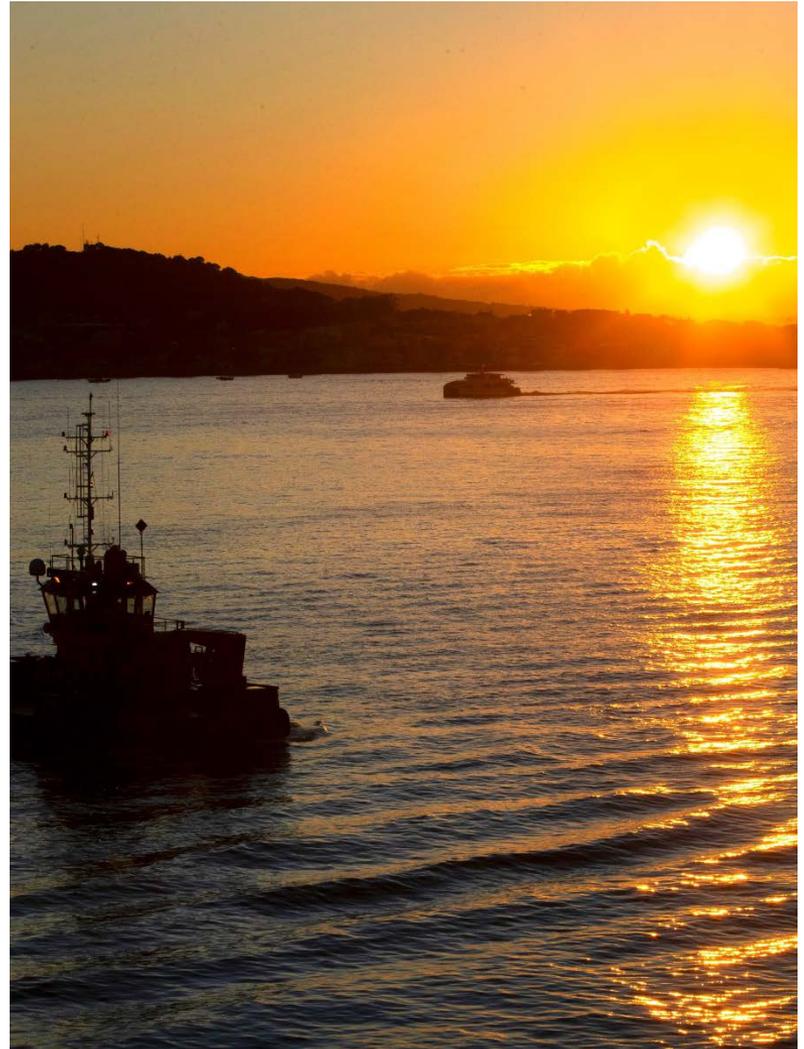
Community Reference Group

2 December 2020

Welcome

Agenda

- 5.30pm Welcome
- 5.35pm – General business update – Tony Gibson
- 5.50pm – Annual report – Matt Ball
- 5.55pm Environmental update: Channel deepening & disposal of dredged material; Noise; Air quality – Nigel Ironside
- 6.15pm – Hydrogen refuelling
- 6.20pm – KiwiRail third main trunk line
- 6.30pm – AOB
- 6:45pm – Farewell and head to festive drinks and nibbles at The Paddington



General Business Update

Business update

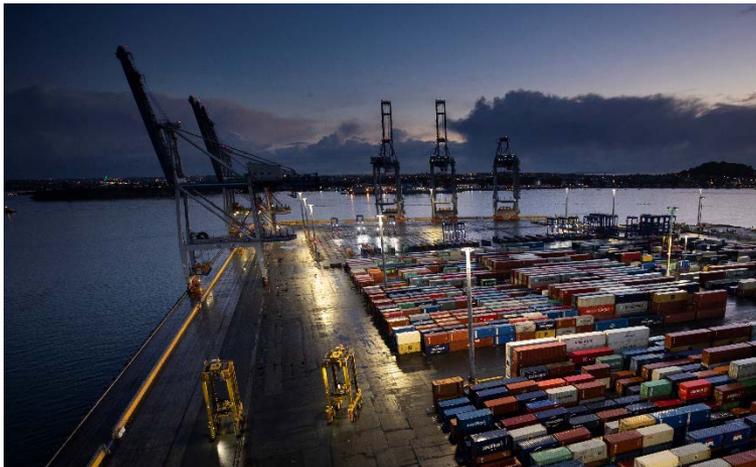
Coming to the end of 2020



General Business Update

Operational update

- Multi Cargo
 - Car handling building and vehicle trade
 - Container terminal vessels being serviced
- Container Terminal
 - Congestion
 - Delays
 - Labour shortage
- Recruitment



 **Ports of Auckland**
Published by Zakk d'Larté · 25 November at 16:42 · 🌐

We're hiring! Stevedores are at the core of our container handling operations and we are looking for Lashers to join our port whānau.

Reckon you've got what it takes? You'll need:

- To have health and safety as a priority
- The ability to work flexible hours, including weekends and nights...

[See more](#)



20,432
People reached

4,418
Engagements

[Boost post](#)

    211

34 comments 20 shares

General Business Update

COVID-19

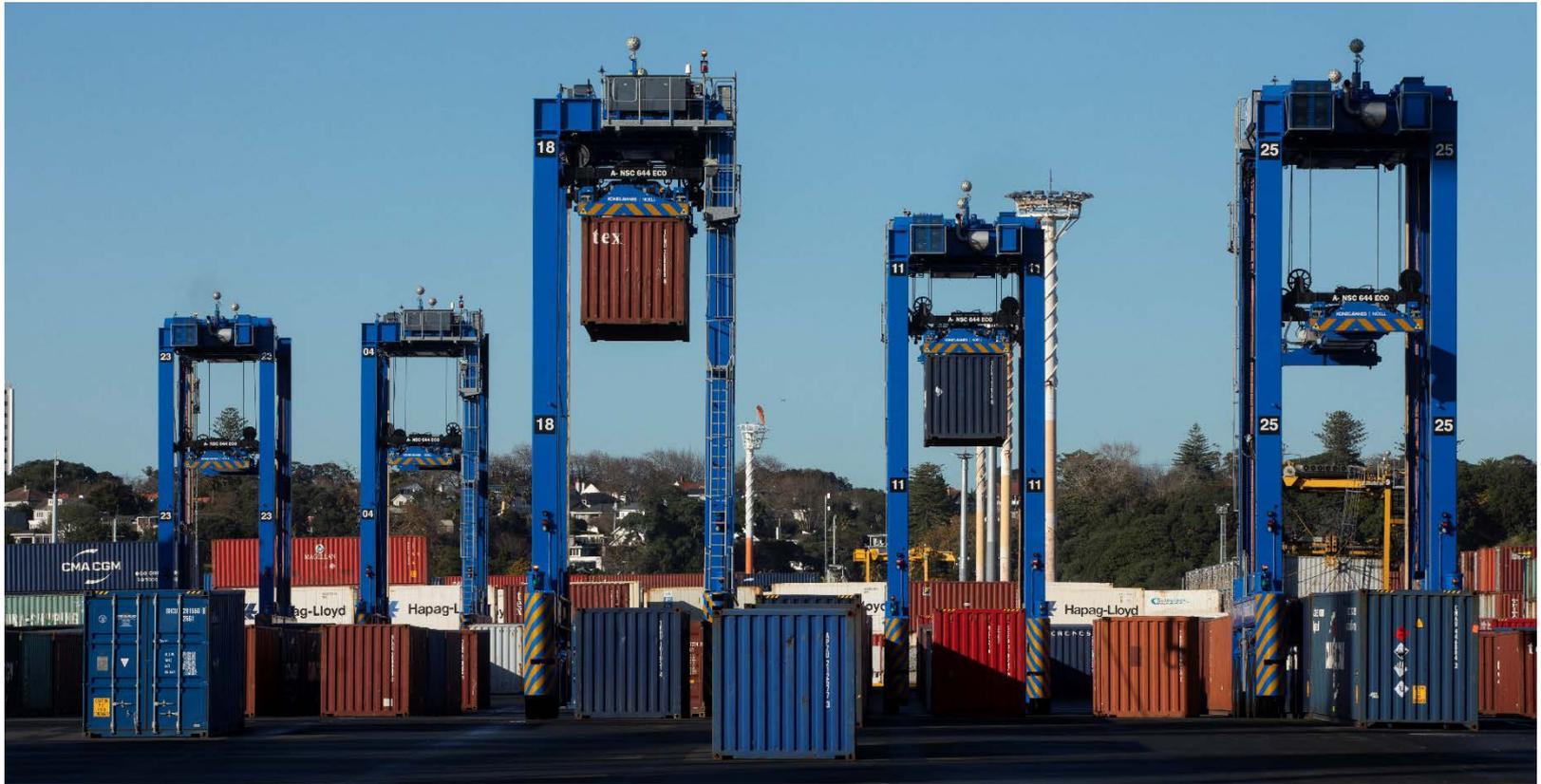
- Updated Ministry of Health order requiring Pilots to receive COVID-19 tests weekly.
- Stevedores remain fortnightly.
- Existing controls remain in place



General Business Update

Automation

Progress to date



General Business Update

Safety

Strong Foundations, Safe People

- Auckland Council's review by CHASNZ
- WorkSafe nationwide port review
- Maritime NZ investigation



General Business Update

Culture

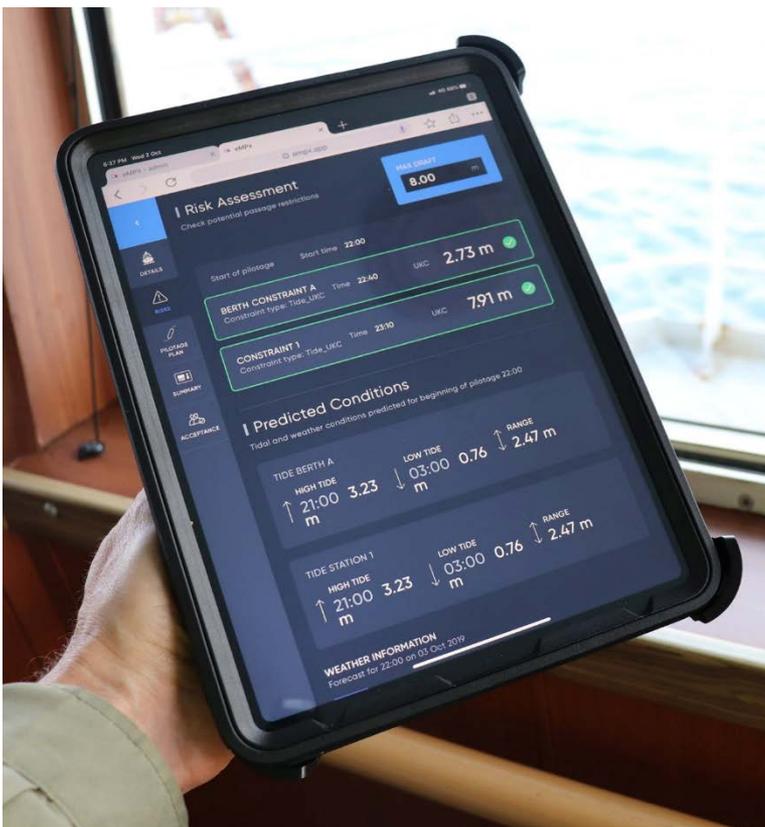
Strategy refresh



General Business Update

eMPX (Master Pilot Exchange application)

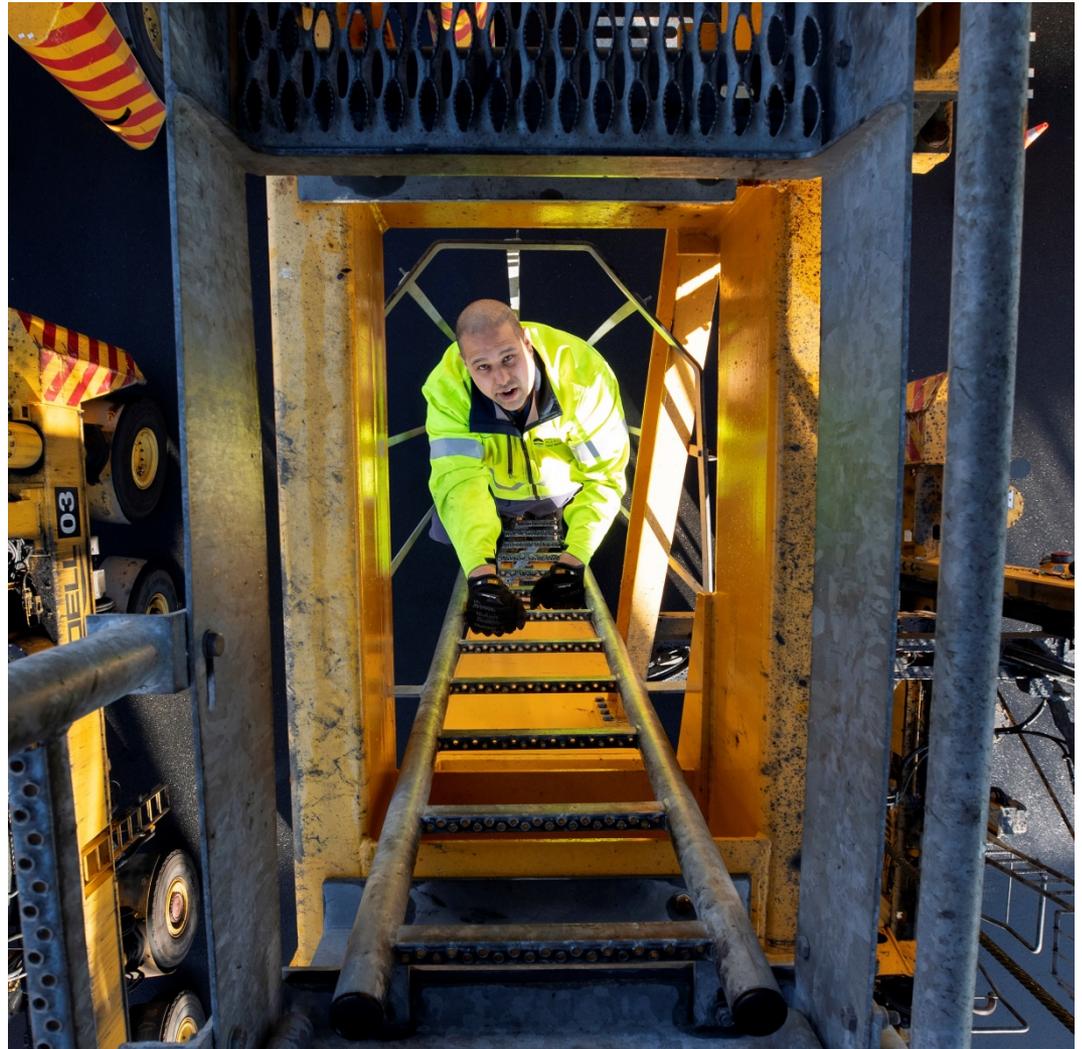
Won bronze in User Experience at Best Design Awards



Annual report

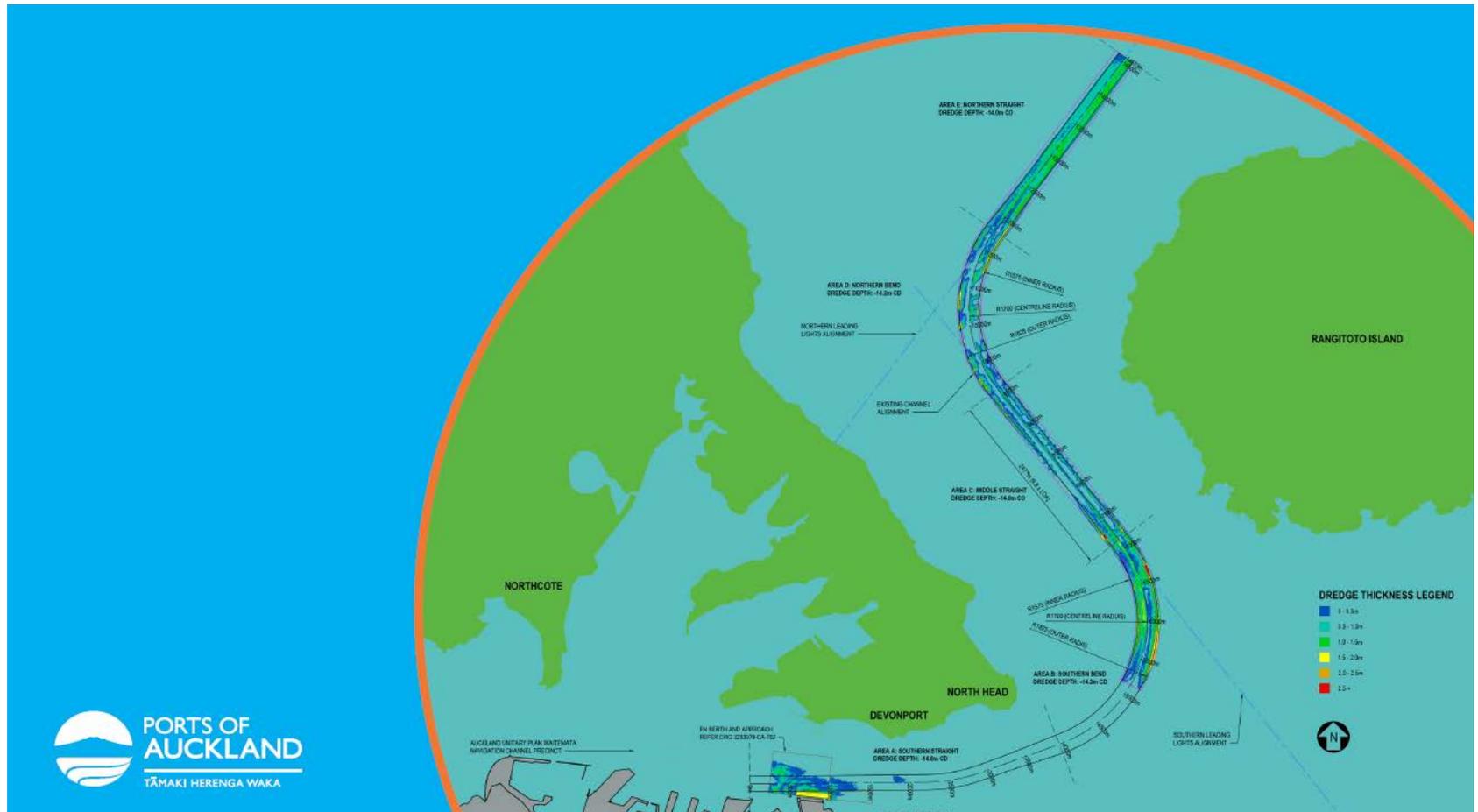
Annual report

Released 28 September



Environmental Update

Channel deepening and disposal of dredged material





MARSHALL DAY
Acoustics

Ports of Auckland Noise

Community Presentation (2 Dec 11 June 2020)

Port Noise

The Auckland Unitary Plan provides guidelines to ensure that residential communities can co-exist with ports and their associated activities. This is achieved in two parts:

- **Noise Rules**

 - Noise contours and land use controls associated with ‘hum’ of port operations

- **Port Noise Management Plan**

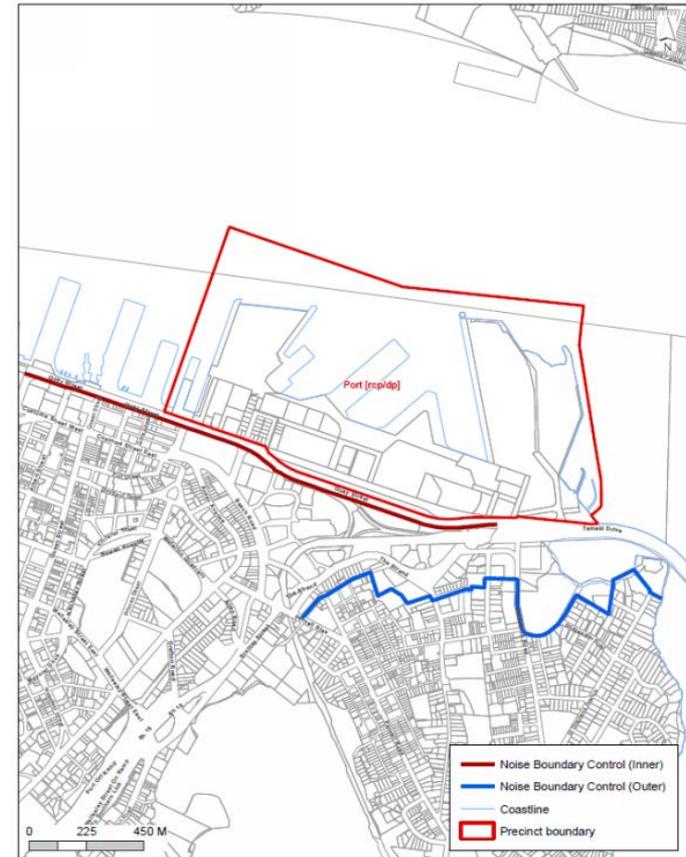
 - Minimise noise effects, such as ‘bangs’ from container handling



Auckland Unitary Plan

Noise Controls	Period	Inner control boundary (Quay St)	Outer control boundary (Parnell)
Noise level	7am – 11pm (day)	-	55 dB L_{Aeq}
	11pm – 7am (night)	60 dB L_{Aeq} 85 dB L_{AFmax}	50 dB L_{Aeq} 75 dB L_{AFmax}
Long term average	'Peak week'	+3 decibels	+3 decibels
Short term average	'Peak night' (attended monitoring)	+5 decibels	+5 decibels

I208.10.3 Port: Precinct plan 3 - Noise boundaries

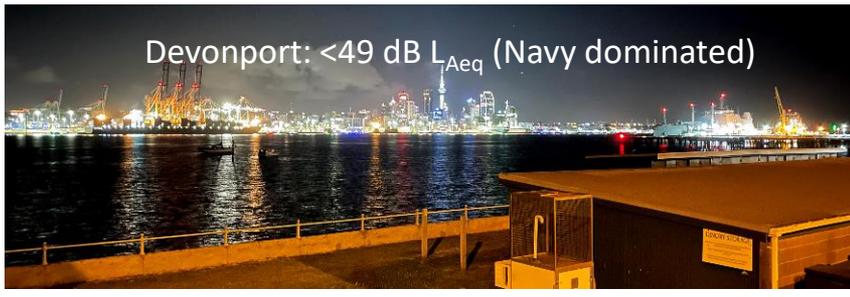


Modelling the 'Hum'

- Major update of port noise model
- Model verification currently being undertaken using noise monitoring
- Noise levels from New Zealand ports have generally remained stable over the last decade (increased trade volume has been offset by quieter equipment and improved noise management practices)



Attended Noise Monitoring (20 Nov 2020, 3am - 5am)



Gladstone carpark: 49 dB L_{Aeq}

Augustus Terrace: 47 dB L_{Aeq}

Long term Noise Monitoring

Three noise monitors; Port Light Tower, Parnell (Gladstone Rd) and Devonport (residential interface).

Period spanned Dec 2019 to June 2020, including the Covid lockdown. Monitoring focused on 3am – 5am period to minimise other noise (e.g. road traffic)



Hum (ambient level):

- Devonport: median period ~ 44 dB L_{Aeq} . Low signal to noise, mix of coastal noise (wind/waves), port, Navy and city/traffic.
- Gladstone: median period ~ 55 dB L_{Aeq} . Good signal to noise, mix of port and truck movements on Tamaki Dr and the Strand.

Bangs (events):

- Local road traffic movements at both locations regularly above 75 dB L_{AFmax}
- Devonport: Port ~ 60 to 65 dB L_{AFmax}
- Gladstone: Port ~ 65 to 70 dB L_{AFmax}
- Steel loading at Gladstone during the daytime only $\sim 75 - 80$ dB L_{AFmax}

Noise Management Plan

Good-neighbour code of practice to minimise or manage the effects of port noise:

- Performance Standards
- Staff training
- Equipment selection
- Safety alarms
- Night activities
- Tenants and contractors
- Noise monitoring
- Community engagement



NZ Ship Noise Register

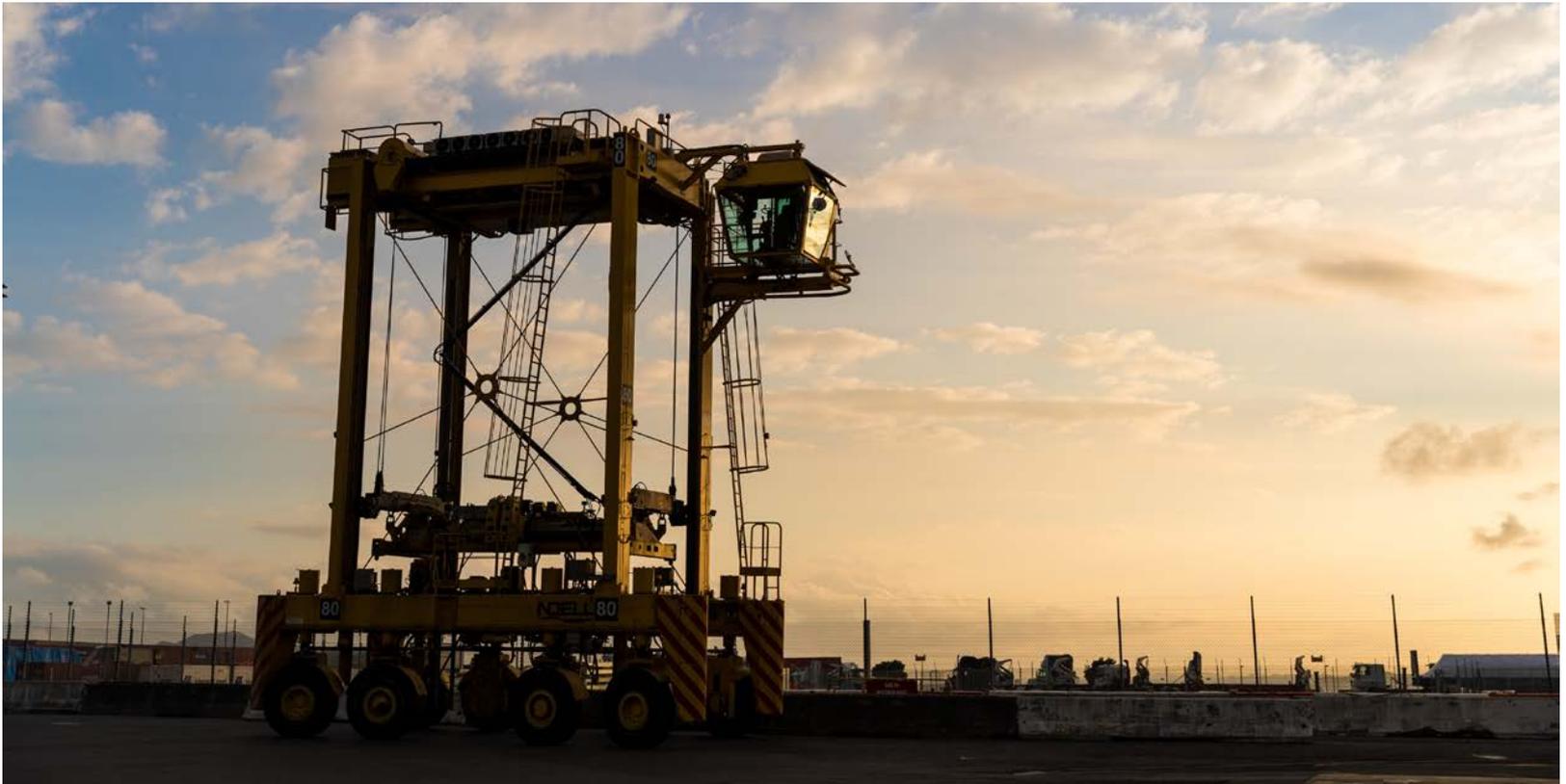
Ports of Auckland is listed as one of the wider 'Resonance Group' members of NEPTUNES, which stands for "Noise Exploration Program To Understand Noise Emitted by Seagoing ships".

Ports of Auckland are the sponsor of the NZ Ship Noise Register, a centralised noise source database for vessels operating at New Zealand ports. Its purpose is to identify noisy ships for mitigation.



Environmental Update

Air Quality



Requested agenda items

Hydrogen refuelling

Sustainability update



Emission Reductions Pathways

- Our targets are being verified under the SBTi (Science Based Targets initiative)
- We have created a pathway that balances action with costs.
- Action aligned with SBTi is a ‘well-below 2degrees” target.
- Our pathway uses a mix of fuel types including renewable Diesel, Hydrogen Fuel Cell Electric and Battery Electric vehicles.

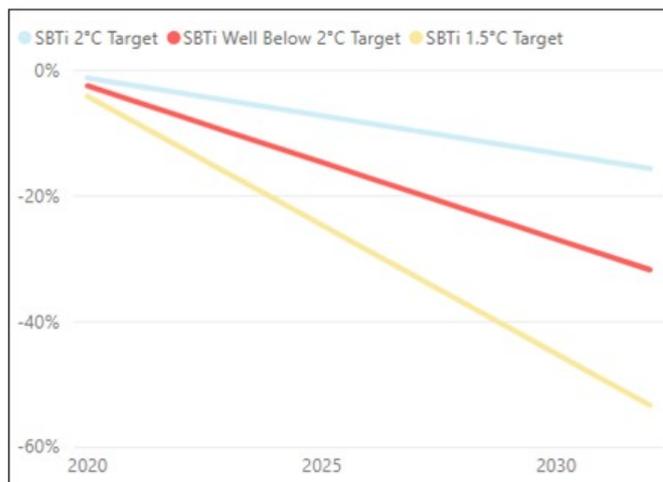


Requested agenda items

Emissions Reductions Roadmap



**Ports of Auckland
Science Based Target
(SBTi) submission –
well below 2 degrees**



**Well below
2 degrees**

Hydrogen

Renewable diesel

Solar Energy

Electric Tug

Gateway Project

- Ports of Auckland has set ambitious targets for decarbonising our operations. We are excited about the role hydrogen will play in our future.
- As a result of the delays to the main project , this is an interim solution to enable refuelling to commence while the larger scale project is built.
- The Gateway Project is a small scale hydrogen refuelling system to enable hydrogen fuel cell vehicles to refuel at POAL and operate in the Auckland Region.

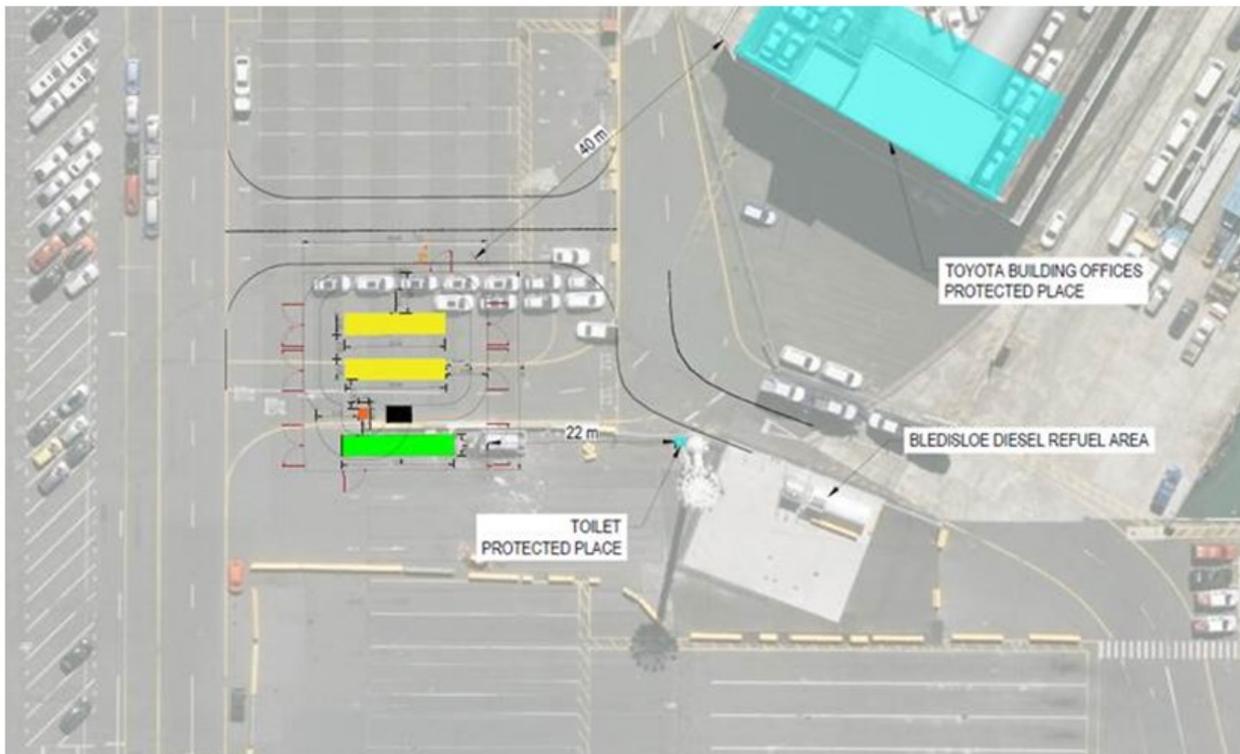


Gateway Project

- Fenced site near our Bledisloe refuelling facility
- Site Certification for Hazardous Substances is required and underway
- Initially small manpacks of 8kg on site for refuelling cars
- Tube trailers with approx. 80kg hydrogen when bus is commissioned
- The site will be managed by POAL and there will be dedicated operator for the refuelling process. The operator will remain onsite during the refuelling process.

Requested agenda items

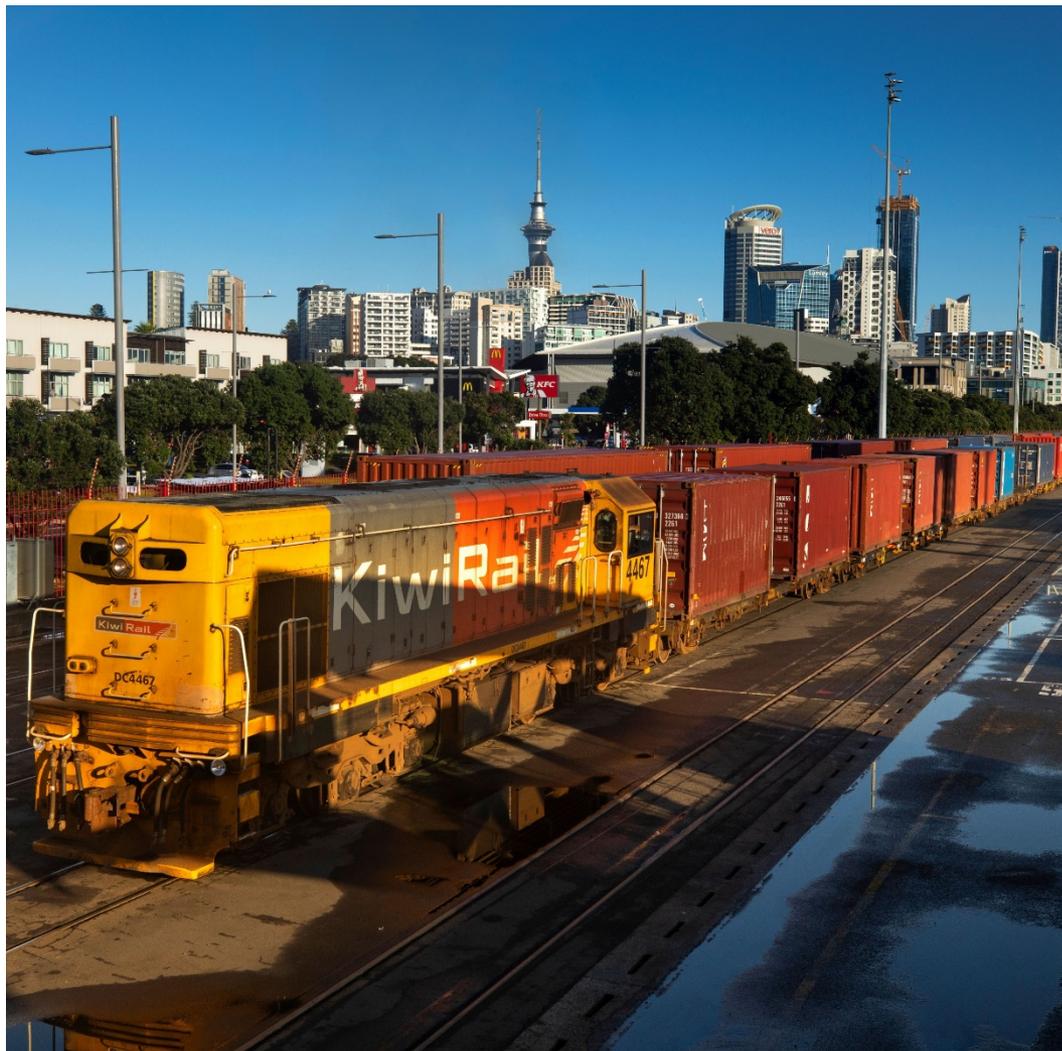
Gateway Project Location



Requested agenda items

KiwiRail trunk line

Update



Any other business?



2021 CRG meeting dates

- Wednesday 3 March 2021
- Wednesday 2 June 2021
- Wednesday 25 August 2021
- Wednesday 1 December



Haere rā

Community Reference Group | 2 December 2020





PORTS OF
AUCKLAND
TĀMAKI HERENGA WAKA



Community Reference Group

Wednesday 2 December 2020

Contact:

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