



PORTS OF
AUCKLAND
TĀMAKI HERENGA WAKA

Community Reference Group

POAL | 26 June 2019



Introduction

- **30 Year Master Plan Update**

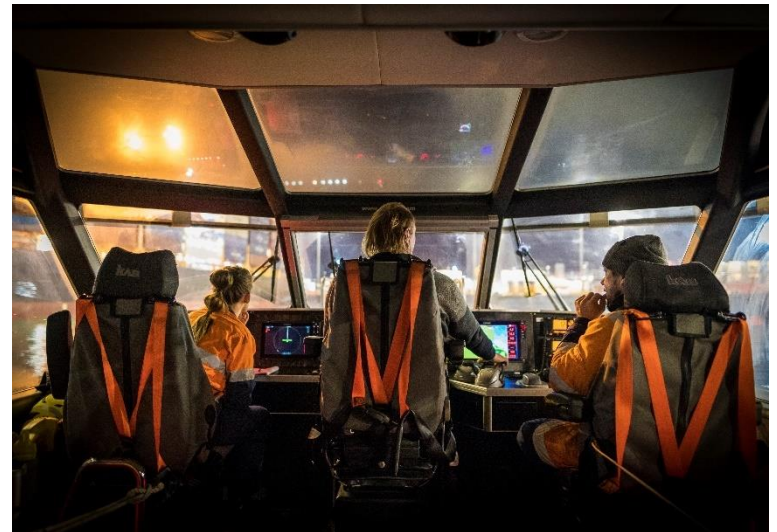
- > Car Handling Building
- > Channel Deepening
- > Hydrogen

- **Port Updates**

- > Air Quality Monitoring
- > Noise Management
- > Planting

- **Port Tour**

- > Crane and Straddle Simulator
- > Port Past and Future Containers



30 Year Master Plan Update



Car Handling Building Update

Current Status – as at 26/06/2019



Car Handling Building Update

LED Panel Prototype





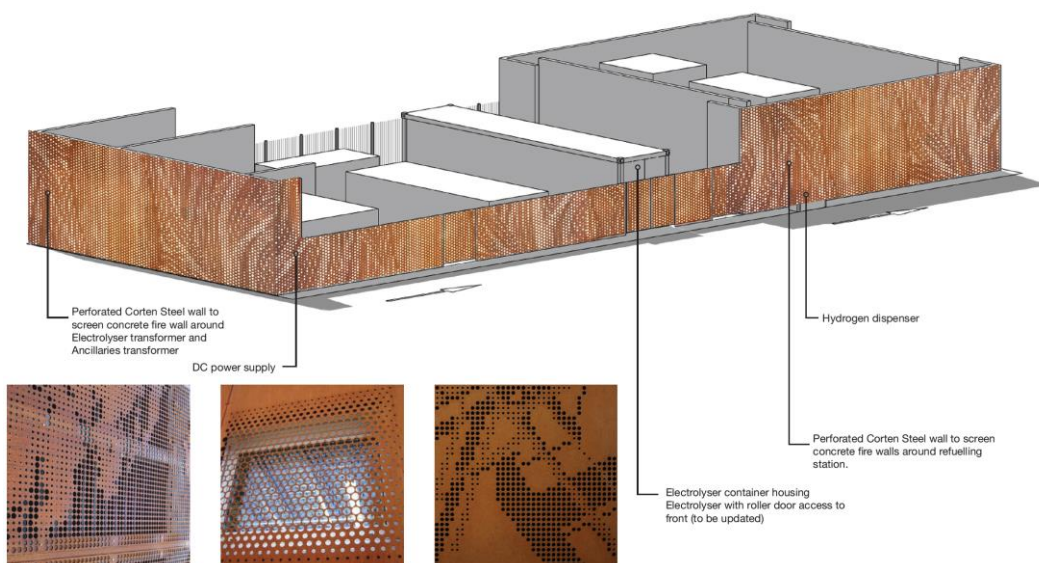
Hydrogen Update

Processing plant RFP has been issued to 4 pre-qualified shortlisted vendors – decision to be made in September 2019

Resource consent application to be lodged at the end of July 2019

Cars available from January 2020 and AT buses to be delivered in May 2020

Stakeholder engagement on-going



Port Updates



Air Quality Monitoring

Wind Direction Conclusion –

Winds at the site were dominated by southwesterlies and, to a lesser extent, northeasterlies. Winds from the direction of the Port towards the monitor (northwesterlies to northerlies) occurred for around 24% of the time during the monitoring period.

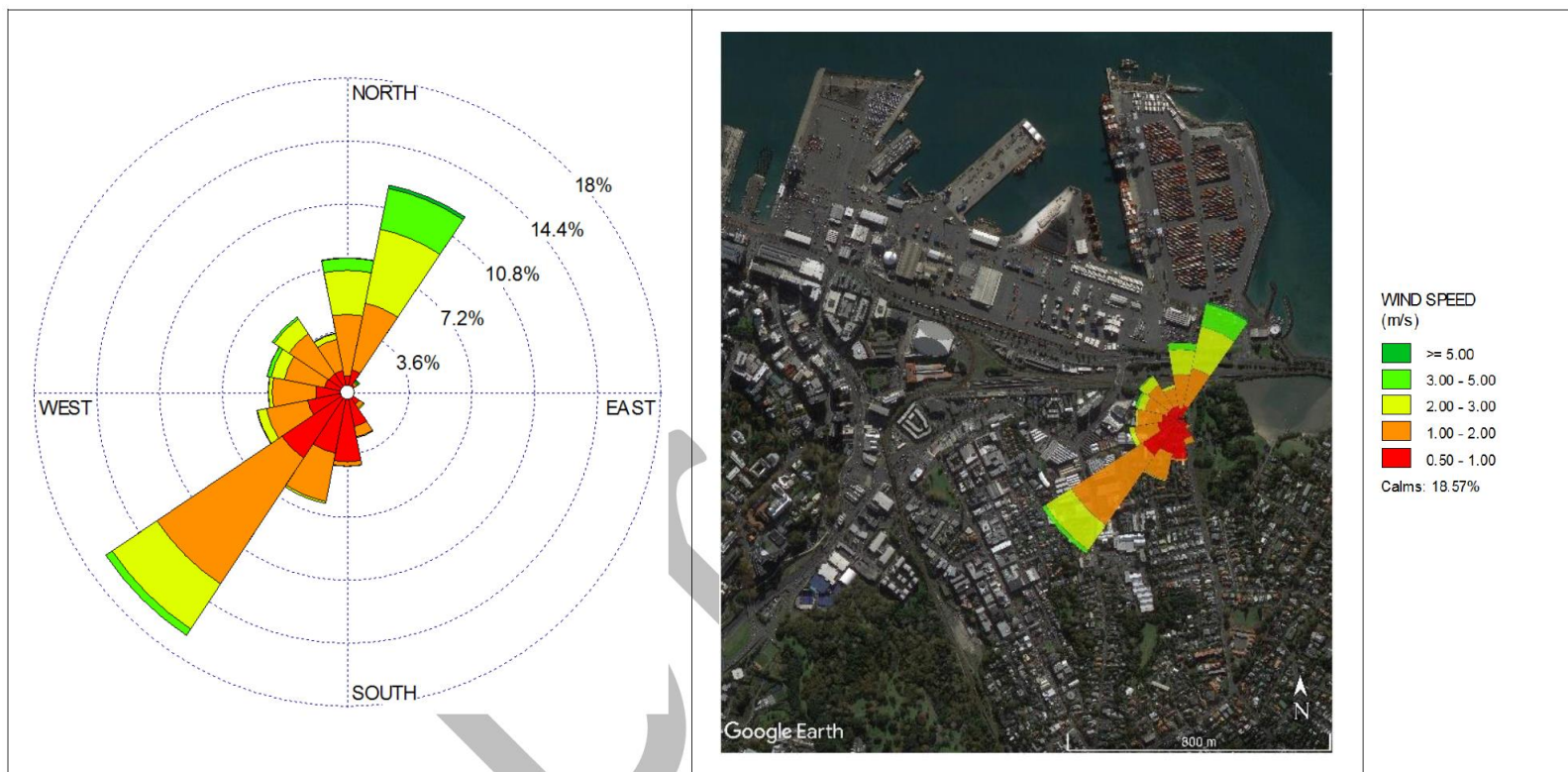


Figure 4.1: Wind rose of 1-hour averaged wind speed and directions (blowing from) measured at Gladstone Park over the monitoring period.

Air Quality Monitoring

Pollutant	Averaging period	Air quality standard/ guideline ($\mu\text{g}/\text{m}^3$)	Highest measured concentration ($\mu\text{g}/\text{m}^3$)	Highest percentage of guideline/ standard
Sulphur dioxide	1-hour	350	136.3	39%
	24-hour	120	33.7	28%
Nitrogen dioxide	1-hour	200	71.5	36%
	24-hour	100	43.2	43%
	Annual	40	14.7	37%
PM ₁₀	24-hour	50	29.4	59%
	Annual	20	13.4	67%
PM _{2.5}	24-hour	25	12.0	48%
	Annual	10	5.2	52%

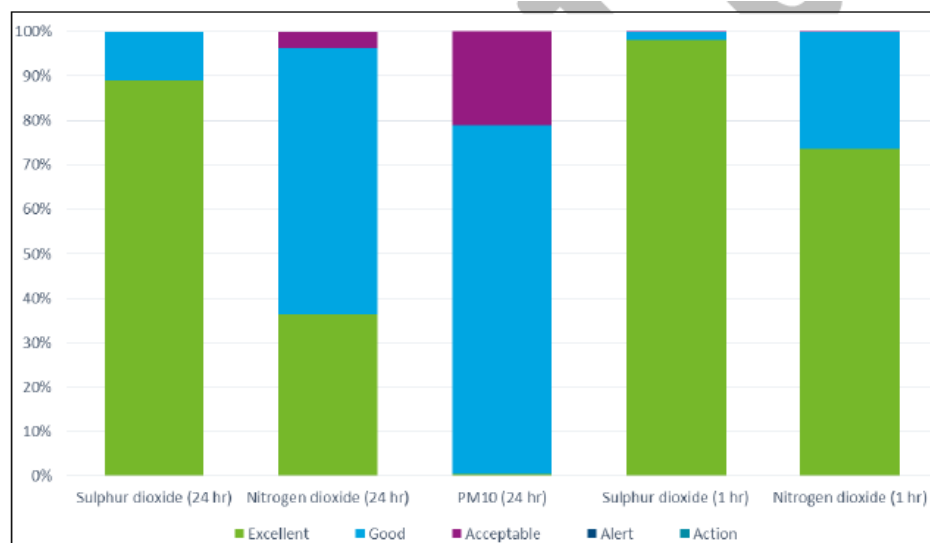


Figure 5.1: Air quality presented in EPI categories.

Air Quality Monitoring



Air Quality – Ship Emissions



Noise Management



Awhitu Peninsula Planting



