

Ports of Auckland's Carbon Calculator

Quick start guide

Ports of Auckland's Carbon Calculator estimates the emissions, time and distance of freight import/export options within the North Island.

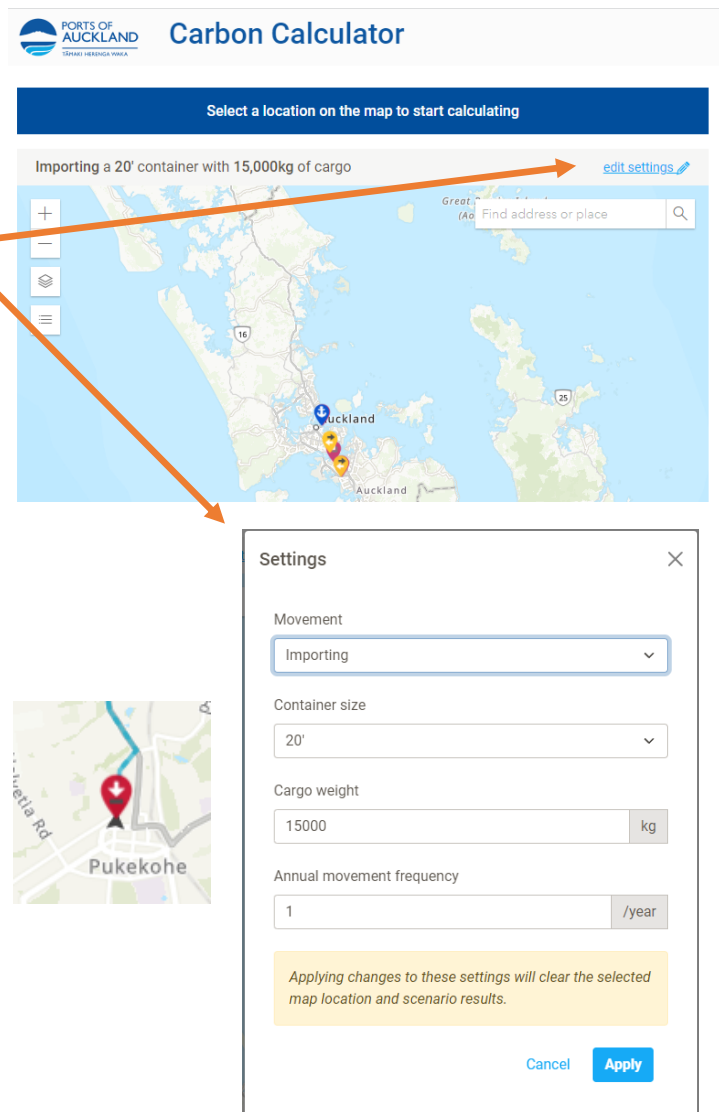
To use the Carbon Calculator:

1. Click 'edit settings' to define your scenario. After making changes, click 'Apply' to save your settings. The settings impact the emissions estimates due to the:
 - a) type of movement (importing or exporting) and associated empty container relocation
 - b) size of the container (and therefore weight of the container)
 - c) weight of the cargo
 - d) frequency of shipment (times per year)

2. Click on the map to select a location where cargo will be imported to, or exported from. This will show up as a red marker.

3. The Carbon Calculator will calculate and display multiple freight route scenarios for import/export to your selected location.

These are listed in the table beside the map, sorted from lowest to highest CO₂. By selecting a record in the table you can view the route on the map and inspect each stage of the route in the supply chain diagram below.



For more information please contact: sustainability@poal.co.nz

Port	Mode	CO ₂ (kg)	Distance (km)	Time (hr)	Actions
Auckland	Rail + Road	98	85	1.4	
Auckland	Road	113	80	1.2	
Northland	Rail + Road	194	276	7.7	
Tauranga	Rail + Road	218	397	7.9	
Tauranga	Road	337	206	2.8	

	Ports of Auckland	Full movement	SAFH (Rail)	Full movement	Cargo owner	Empty movement	SAFH Depot
CO ₂ (kg)	7.3	12.5	5.4	58.9	0.0	8.1	5.4
Dist. (km)		23		32		31	
Time (hr)		0.5		0.4		0.4	