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# INDUSTRIAL

Jacquie Svenson      Newcastle Climate Change Response

Rick Walters                      Climate Action Newcastle

Richard Jansen      Climate Action Newcastle

# Industry Emissions in LGA (T CO<sub>2</sub>-e/yr)

Source	Sector	Emissions (t CO <sub>2</sub> e)
● Electricity	● Residential	286 000
	● Commercial	470 000
	● Industrial	604 000
● Gas	● Residential	40 000
	● Commercial	30 000
	● Industrial	138 000
● Transport	● On road	333 000
	● Rail	7 000
● Waste		106 000
● IPPU	<b>86% is Industrial →</b>	<b>627 000</b>

**LGA emissions- all sectors:  
2,802,000 T**

**LGA Industry emissions:  
1 281 000 T (= 46%)**

**.... It's BIG**

## Industry Emission .... let's *try to be a little bit more specific.*

- Scope 1, 2, 3 kT CO<sub>2</sub>-e emission industrial companies in Newcastle LGA?
- Existing emission reduction targets?
- Sustainability reports?

## Our questions

- Get a feel for numbers: who are the “big industry” in our LGA?
- Existing emission reduction targets & plans?
- Current progress? Is Industry making an effort?

# Industry in our LGA

Port Waratah Coal Services



Orica



MolyCop



Koppers



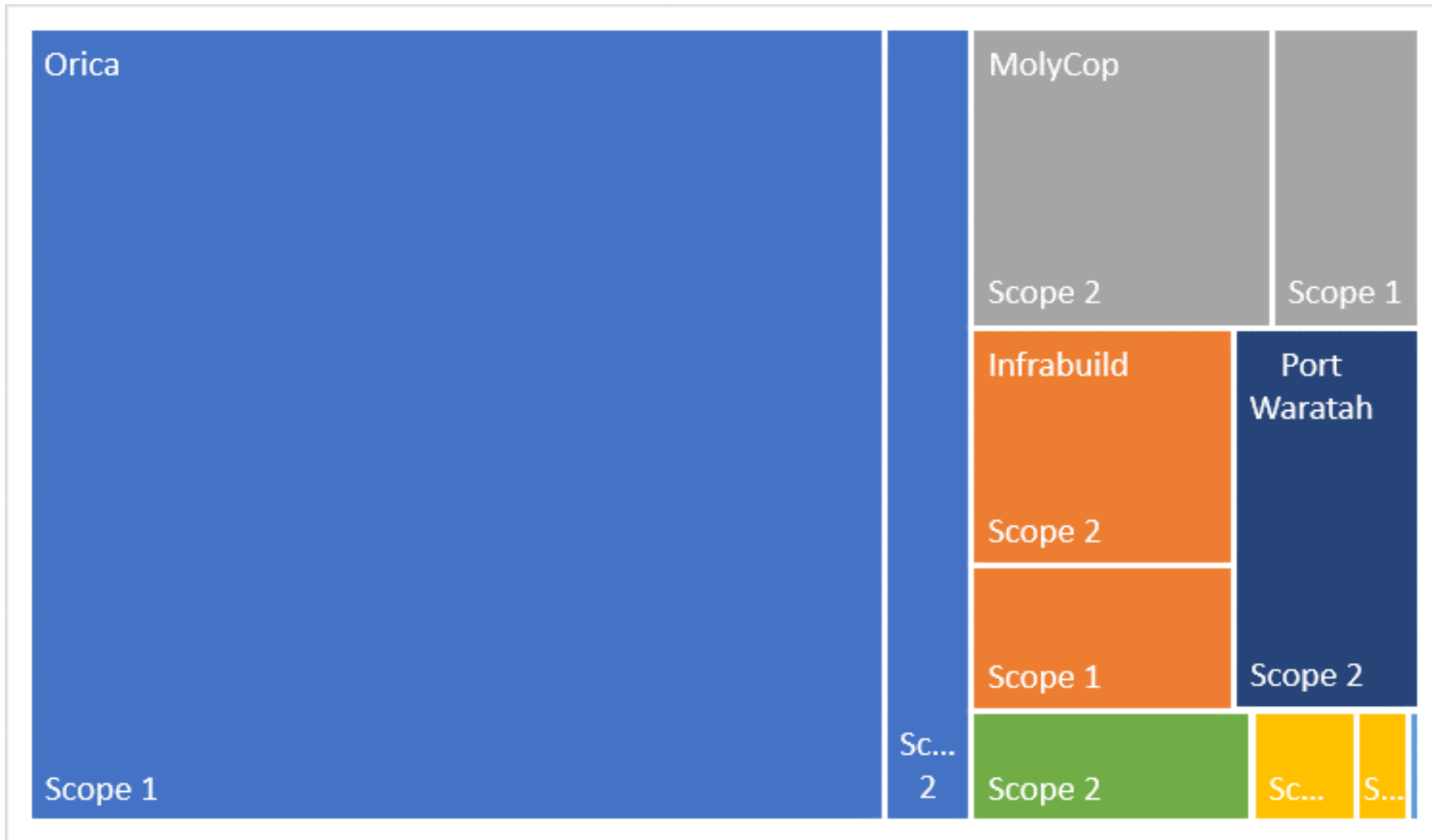
InfraBuild



## Emission data - 2022 (in kT CO<sub>2</sub>-e / yr)

<b>Company</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Business characteristics</b>
Orica	1,181	120	Ammonia, AmmoniumNitrate
Infrabuild	66	108	Steel long products, Metal recycling
MolyCop	78	157	Steel grinding balls, Railway wheels
Koppers	10 (2019)	20 (2019)	Coal tar pitch alum. smelting, Carbon black
Port of Newcastle	2.3	0	Landlord port
NCIG	0.4	54	Coal port terminal
Port Waratah	0.4	124	Coal port terminal

# Scope 1&2 Emission data - 2022 (in t CO<sub>2</sub>-e / yr)



## Emission reduction planning

Company	2030	2050	Achievements & Project plans
Orica	45%	100%	NitrousOxide 98% red. (= -567 kT CO2) 5.5 kT green hydrogen being constructed
Infrabuild	100%		Multiple measures implemented
MolyCop	<i>plan in developm</i>	100%	Renewable electricity PPA since 2019 <i>EAF will stop 2023 → carbon leakage (?)</i>
Koppers	35%	100%	23% since 2006. Multiple measures implemented.
Port of Newcastle	50%	100%	Multiple measures implemented
NCIG	100%		LED lighting, 10% cert. green electricity
Port Waratah	50%	100%	Purchased cert. green electricity

## What can be improved?

- **Mandatory public reporting scope 1, 2, 3 emissions**
- **Mandatory public reporting emission reduction targets**
- **2030 target: 50% reduction - - from 2018/2020 baseline**
- **2040 target: 100% (?) reduction**
- **Avoid carbon leakage ..... Carbon Border Adjustment?**