



Reducing Greenhouse Gas Emissions in Port Phillip: Council Opportunities

25 August 2024

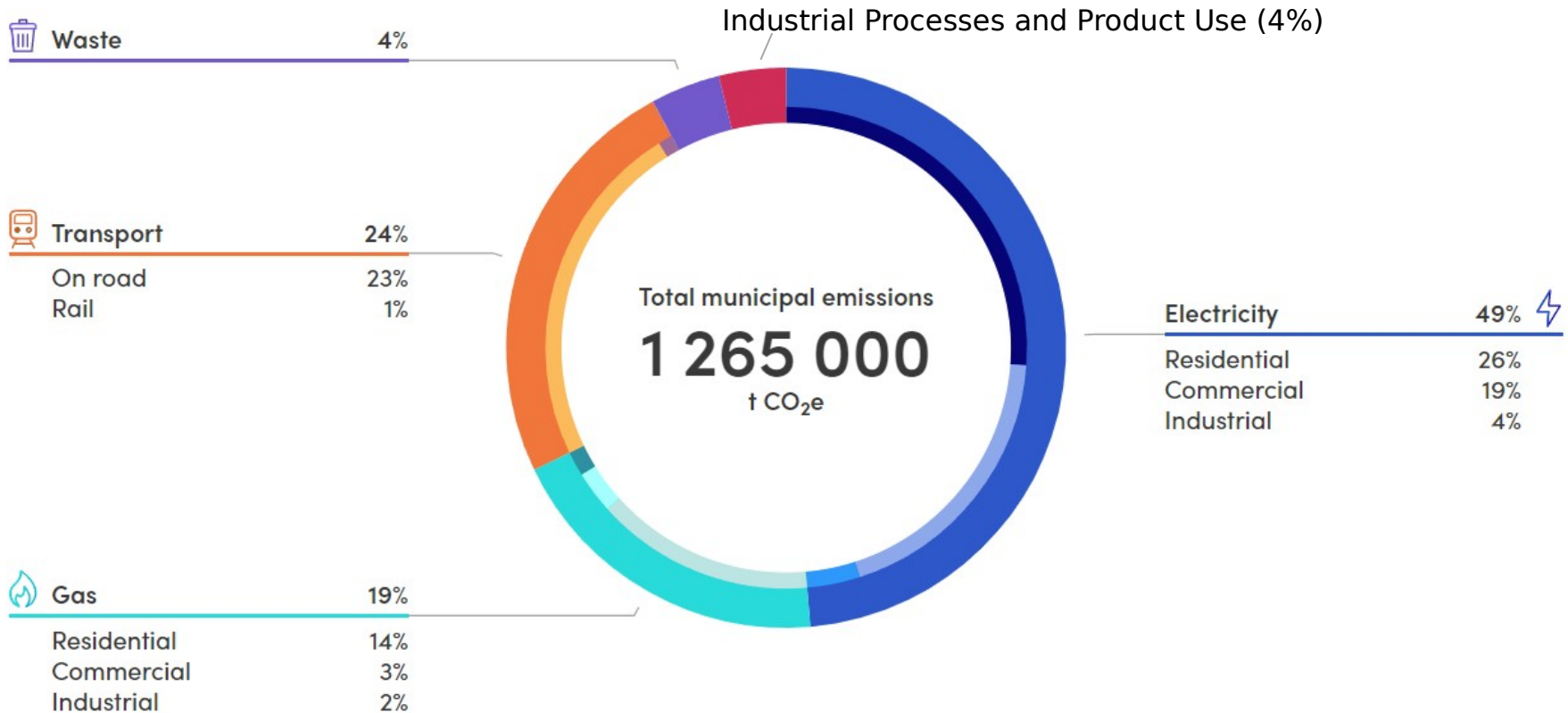
About Ironbark



Why local government?



Port Phillip Community Emissions 21/22



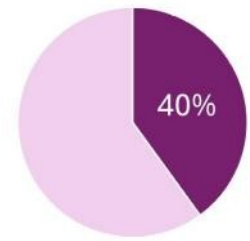
Source: www.snapshotclimate.com.au

Emissions Trends *(Without Action)*

Electricity emissions decreasing as grid becomes green
Proportion gas (now: 19%) and transport (now: 24%) ↑



Residential Energy Actions



- Low interest loans
- Subsidies (low-income households)
- Solar/ESD upgrades (social/affordable housing)



- Virtual Power Plants
- Microgrids

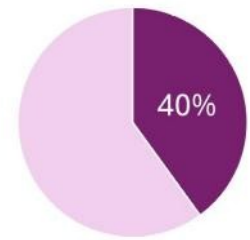


- Education/Engagement
- (Electrification; Local build

Advocacy



Residential Energy Actions*

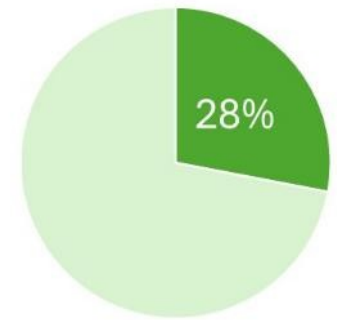


Action Description	Impact	Cost
Low interest loans (paid back through rates)	High	\$
Subsidies for low-income households	High	\$\$
Advocate to State/Fed Govts: <ul style="list-style-type: none"> Better ESD standards Enabling agreements between landlords/tenants for solar on rentals Solar/ESD upgrades on social and affordable housing 	Medium	\$
Education campaigns on eliminating gas	Medium	\$\$
Engage with local builders	High	\$\$
Support VPPs/Microgrids	Medium	\$

*Based on high-level modelling for other councils.

Individual programs and situations will vary.

Business Energy Actions



- VPPs
- Microgrids



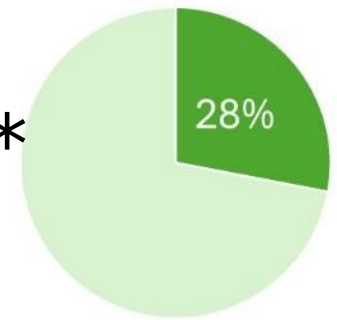
Advocacy



- Key emitters

- Power Purchase Agreement (PPA) buying groups

Business Energy Actions*



Action Description	Impact	Cost
Support VPPs/microgrids	Medium	\$
Facilitate Renewable Energy power purchase agreement (PPA) Buying Groups for businesses	Low	\$
Advocate to State Government to enable agreements between landlords and tenants for solar on rentals	Medium	\$
Engage with key emitters	Low	\$\$

*Based on high-level modelling for other councils. Individual programs and situations will vary.

Transport: % Distance By Mode



Automobiles

83%



Public transport

8%



Walking

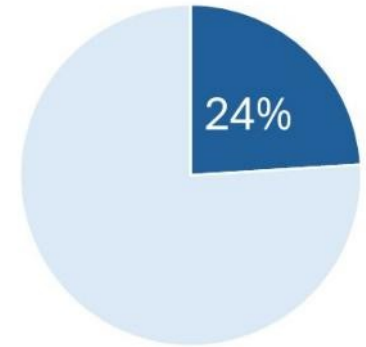
6%



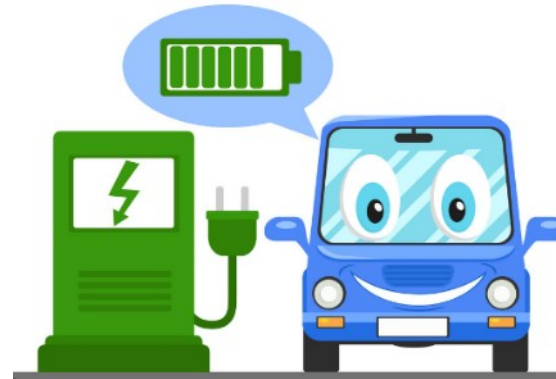
Cycling

3%

Transport Actions



Advocacy



- Charging
- Education
- Bulk buy



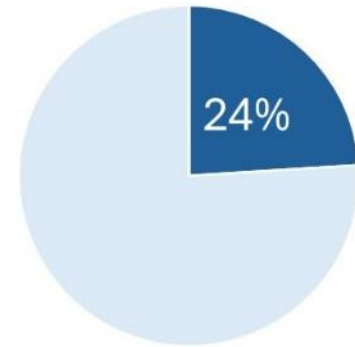
- Infrastructure
- Speed limits
- Traffic calming
- Education



CAR SHARING

- Infrastructure

Transport Actions*

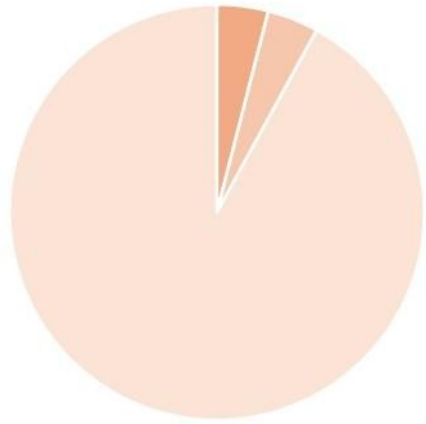
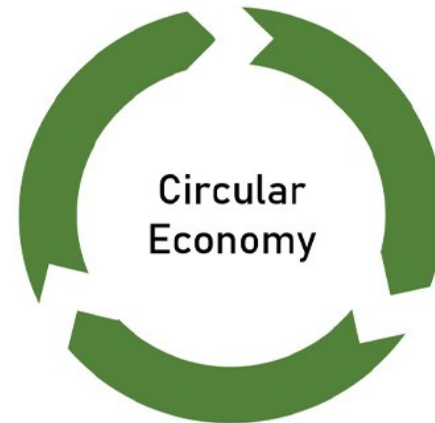


Action Description	Impact	Cost
Support uptake of EVs:		
<ul style="list-style-type: none"> Facilitating EV charging stations at public facilities Education Community bulk buy for second hand EVs 	High	\$\$
Require EV charging infrastructure for suitable developments	Medium	\$\$
Facilitate carshare infrastructure	Medium	\$\$
Advocate for increased PT	Low	\$
Install cycling infrastructure, widen footpaths, reduce speed limits, traffic calming	Medium	\$\$\$
*Educate on benefits and availability of active transport	Low	\$

*Based on high-level modelling for other councils.

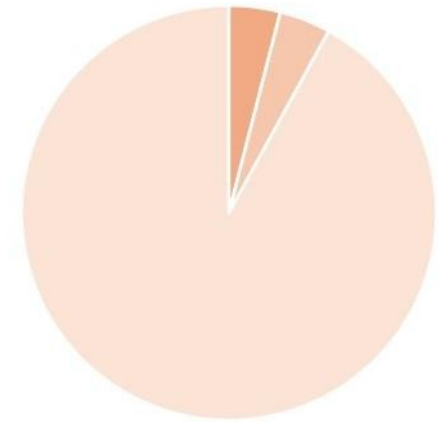
Individual programs and situations will vary.

Other Actions



- Reuse Shop
- Education
- Council procurement

Other Actions*

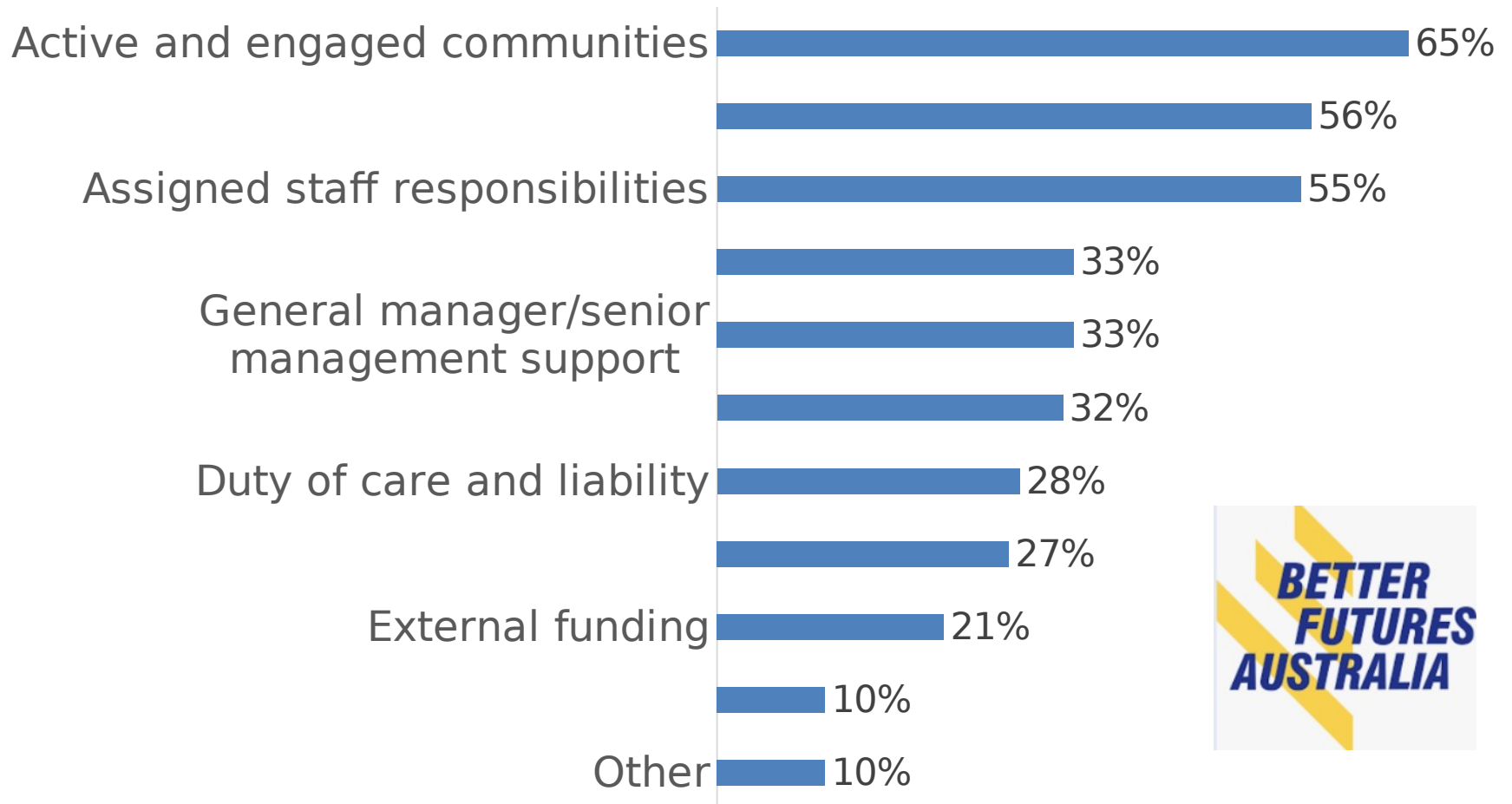


Action Description	Impact	Cost
Educate to reduce bin contamination	Low	\$
Support circular economy: <ul style="list-style-type: none"> • Reuse Shop • Education 	Low	\$\$
Incorporate product stewardship/waste reduction into Council’s procurement policy	Low	\$

*Based on high-level modelling for other councils. Individual programs and situations will vary.

Local Government Review

What are the key drivers for action to reduce community GHG emissions at your council?





Thanks

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