



Disruption in the Transport Model

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Urban planning & design



Maribyrnong Road, Maribyrnong study area, currently



Possible future

Relationships



**BMW
GROUP**
Financial Services

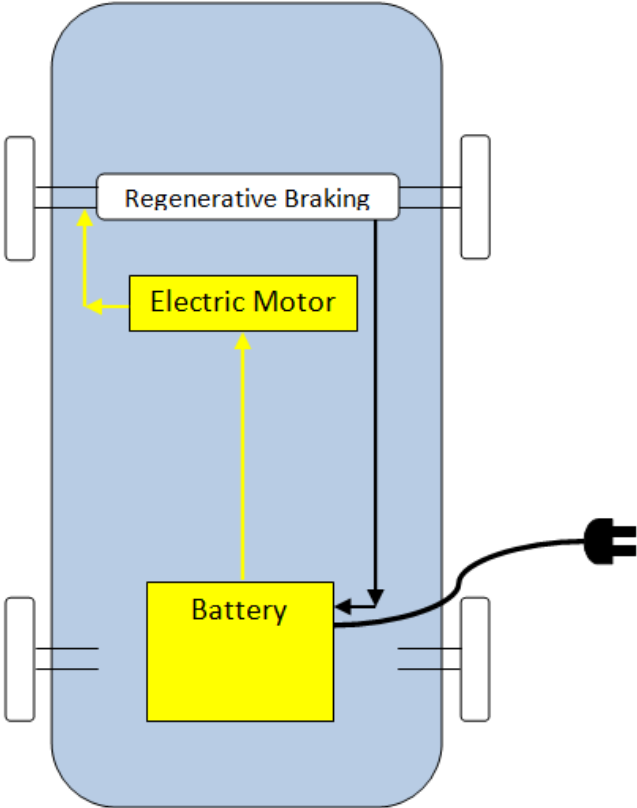


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Definitions

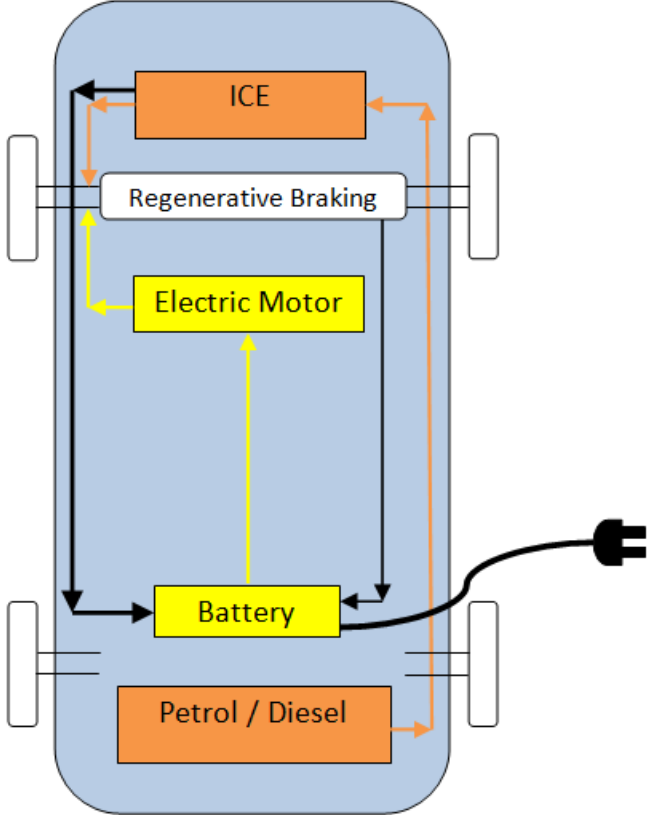
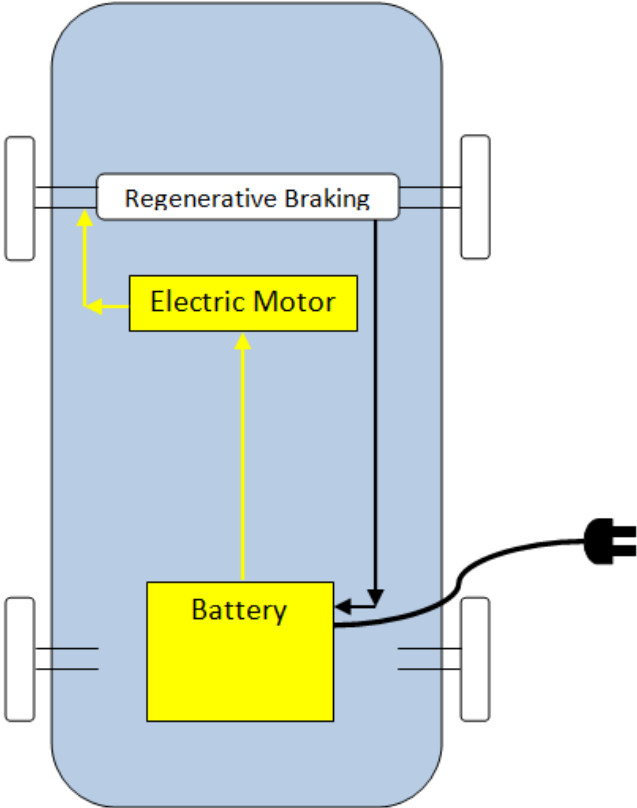
BEV: Battery electric Vehicle



Definitions

BEV: Battery electric Vehicle

PHEV: Plug-in Hybrid Electric Vehicle



Council objectives

Carbon neutral by 2020

GREENHOUSE GAS EMISSIONS WITHIN THE CITY OF ADELAIDE - 2012/13



Figure 2 - Graphical representation of Adelaide City Council area's greenhouse gas emissions (Pitt & Sherry, 2015)

DEVELOPING A NEW CLIMATE CHANGE STRATEGY FOR SOUTH AUSTRALIA

Developing a new climate change Strategy for SA, 2015

Benchmarks

Norway

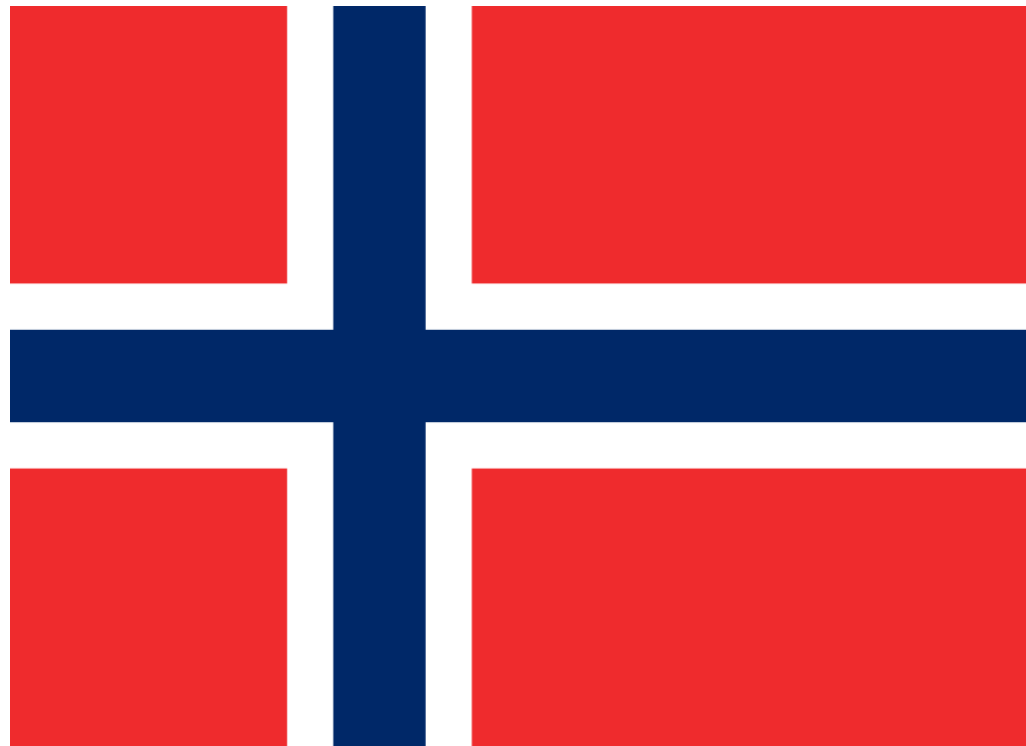
23% of all new vehicles = BEV / PHEV;

25% hybrid

20% of all BMW sales = i3

i3 is third best selling EV

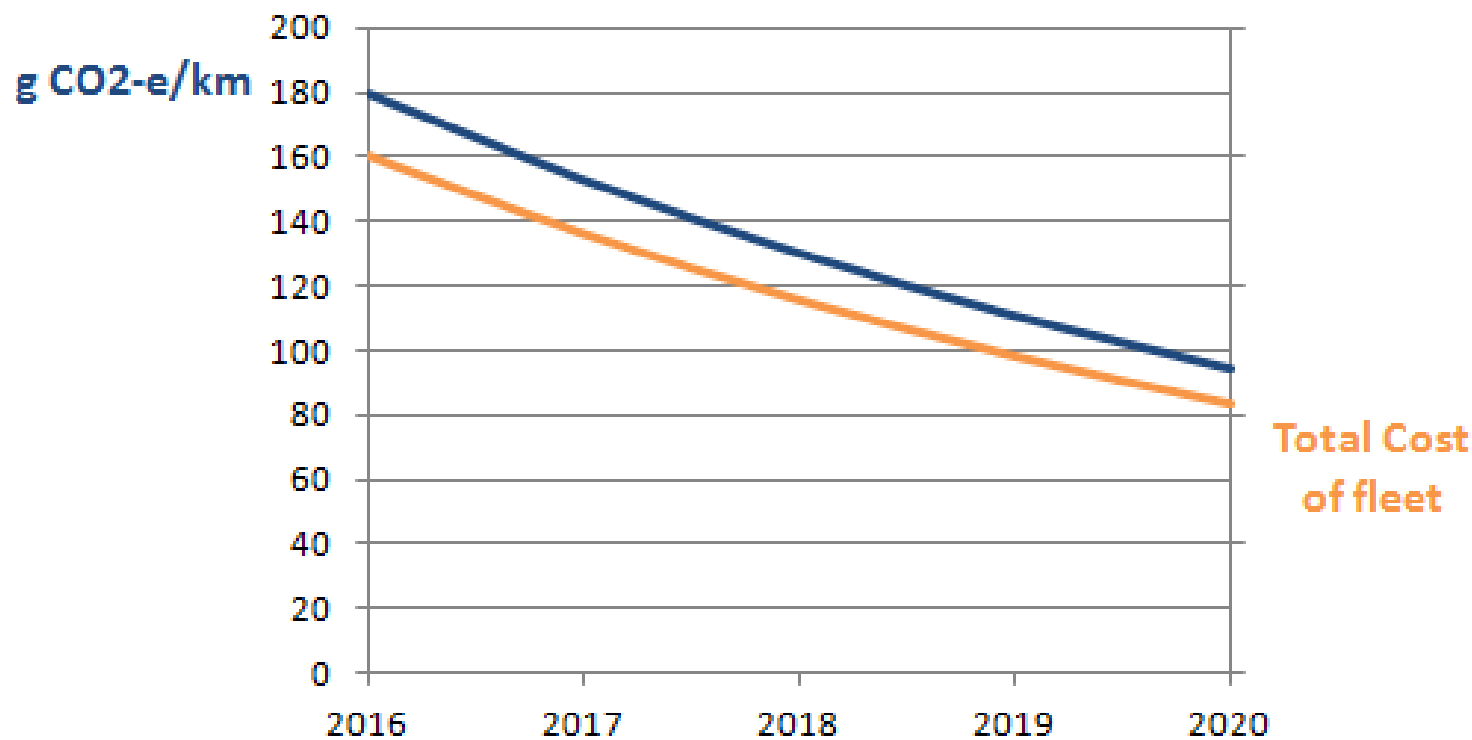
City of Oslo: 100% EV



What can Councils do?

Set emissions targets and budget (internal/external)

Reducing fleet emissions & costs



Embedded Energy

Emissions

Range



















Challenges

Model Diversity (Australia)

Shape	Size	BEV	PHEV	
Hatch	Small			
	Medium	 	 (2016)	
Sedan	Small			
	Medium		 (2016)	
	Large		 (2016)	
SUV	Small			
	Medium			
	Large	 (2016)	 (2016)	
Ute/Van	Small			
	Medium			
	Large			
MPV	Large			

LCV EVs



Autoblog.com



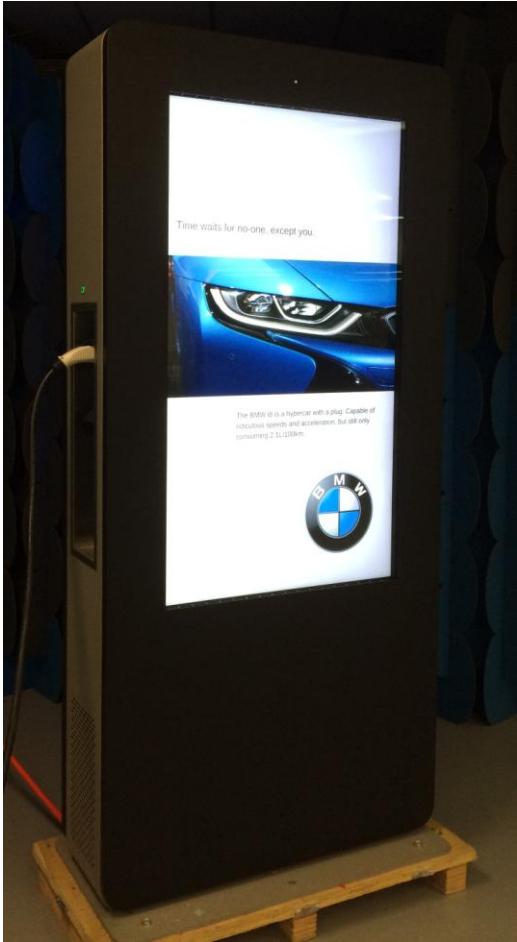
UK Fleetworld

Barrier?

Public charging infrastructure

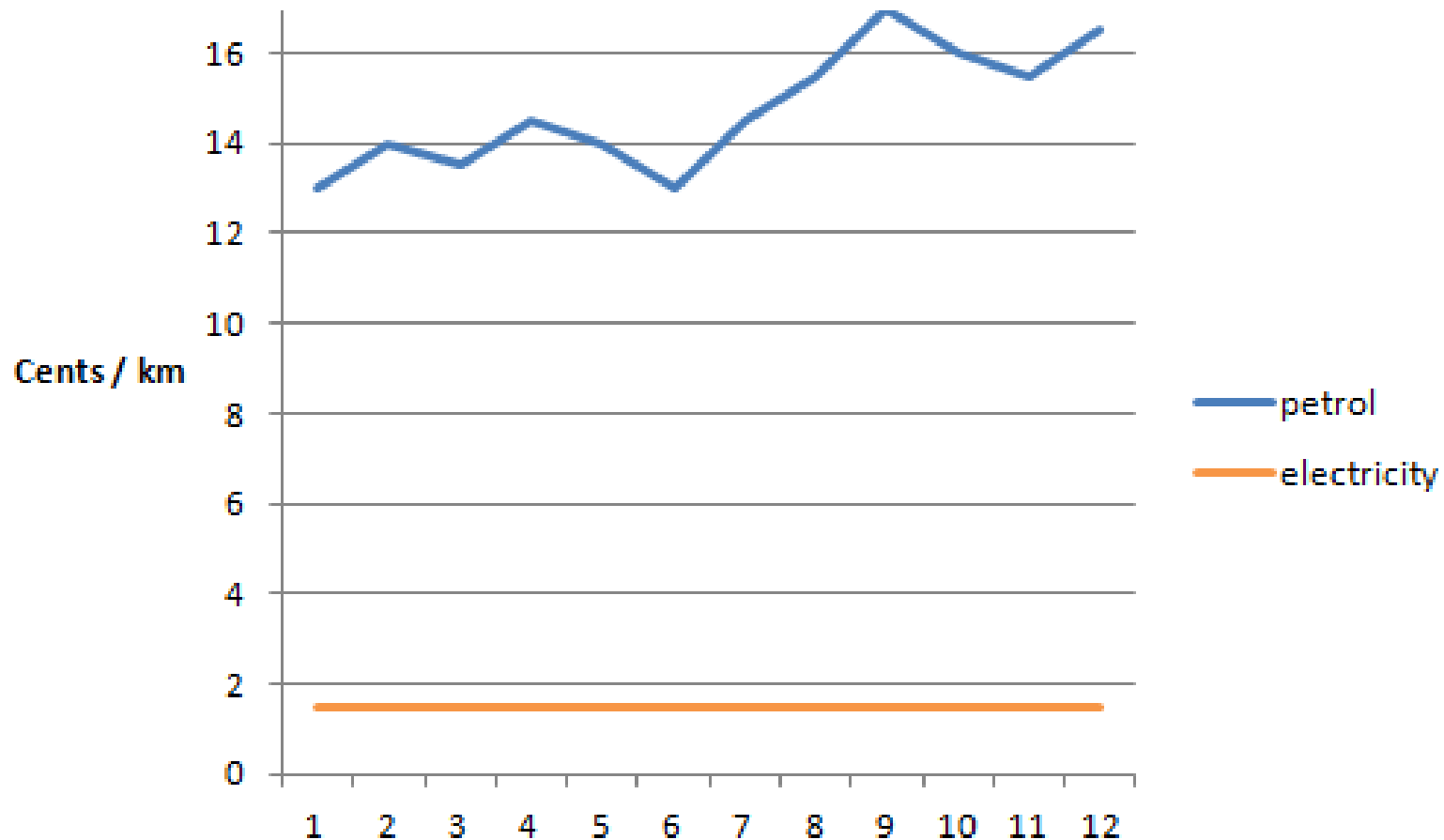


http://cdn.bmwblog.com/wp-content/uploads/2015/07/Blink_charging_stations-750x570.jpg



Opportunities

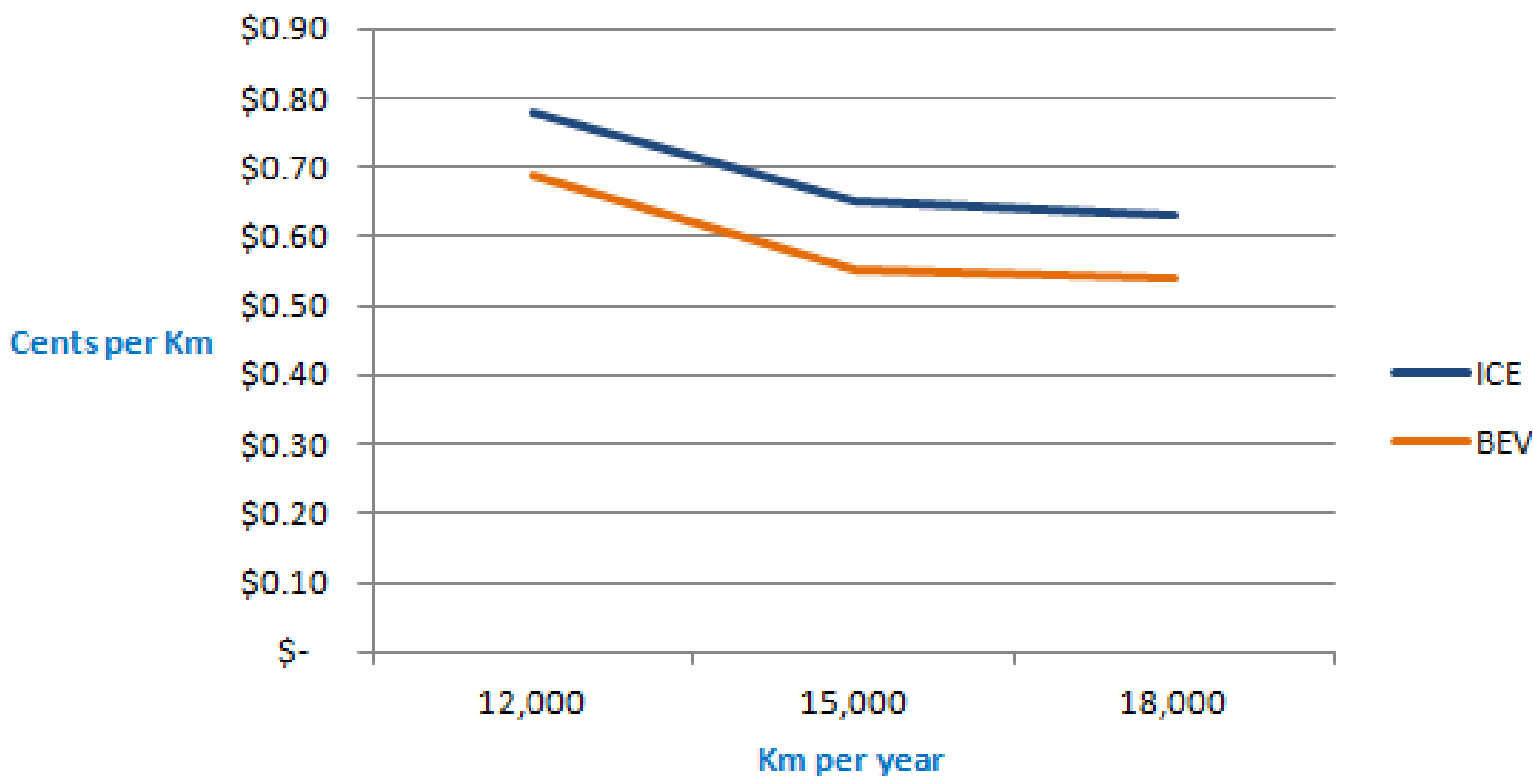
Electricity is cheaper than petrol



Opportunities

Total Cost of Ownership

Illustrative Cost of ICE v BEV



Services

- Advice (*local/remote*)
- Procurement (*register interest*)
- Finance

Thank you

Alphabet

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