

#ClearwaysChallenge bit.ly/ClearwaysChallenge



Agenda

- Welcome & Introductions
- Innovation Challenge Details
 - Data
 - Definition
 - Problem Statements
- Q&A
- Networking







Panel

future

Clearways Subject Matter Experts

- Craig Moran
 Chief Operating Officer
 Transport Management Centre (TMC)
- Hilary Johnson
 Director Pinchpoints & Clearways North
 Roads and Maritime Services (RMS)
- Prabaka Siva Manager Reliability and Congestion Planning Transport Management Centre (TMC)

Open Data & Innovation

- Micah Starkis Director, Open Data, Apps and Innovation
- Yvonne Lee
 Manager Open Data & Innovation
- David Phillips
 Open Data Enablement Lead
- Richard Tubb
 Innovation Lead



About Clearways & the Clearways Data



Craig Moran Chief Operating Officer Transport Management Centre (TMC)



Clearways Data

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	22 Polyline	E AM/P		-	M-F 0600-1000, 1500-1900	574 3 5	KISSING POINT RD	DUNDAS	Y	975.427721
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	24 Polyline	N AM/PI		-	M-F 0600-1000, 1500-1900	13 7 1	PENNANT HILLS RD	CARLINGFORD	Y	220,749503
HURSHILLE ROOMDALE	25 Polyline	N AM/P			M-F 0600-1000, 1500-1900	13 8 1	PENNANT HILLS RD	CARLINGFORD	Y	380.390156
	26 Polyline	N AM/P		-	M-F 0600-1000, 1500-1900	13_8_2	PENNANT HILLS RD		Y	419,993891
CAMDEN	27 Polyline	N AM/PI			M-F 0600-1000, 1500-1900	13 8 3	PENNANT HILLS RD	CARLINGFORD	Y	228.030111
CAMPTELLTOWN	28 Polyline	W Under	ned			162 4 6	MONA VALE RD	GORDON	Y	17,804494
	29 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	353.950949
	30 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	0.346613
PICTON	31 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	2.899157
Nattai TAHMOOR	32 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	190.862291
National	33 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	386.736167
Park	34 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	197.718822
HILL TOP	35 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	32.010543
COLO COLO	36 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	178.534703
VALE VALE	37 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	173.787106
WITTAGONG MICH ONCONG	38 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD		Y	232.193438
STRE HWY MIT AGONG	39 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	0.050914
BERRIMA	40 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	0.101854
MOSS VALE	41 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	355.879646
	42 Polyline	N PM			M-F 1500-1900	158_1_1	MARSDEN RD	CARLINGFORD	Y	29.016567
Shellharbour	43 Polyline	N PM			M-F 1500-1900	158_2_1	MARSDEN RD	DUNDAS VALLEY	Y	215.399232
HUT	44 Polyline	N PM			M-F 1500-1900	158_2_1	MARSDEN RD	DUNDAS VALLEY	Y	97.757953 +
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https://opendata.transport.nsw.gov.au/dataset/nsw-clearways





Objective: Keep clearways clear



Definition: What is a clearway?

A clearway is a section of road where stopping or parking is prohibited. Buses and taxis are permitted to stop when dropping off or picking up passengers.

Clearway hours are variable depending on the day of week, time of day and location as indicated by signage.





Innovation Challenge **Problem Statements**



Problem Statements

1. How can we improve driver's awareness of clearway restrictions?

Any cars parked in clearways during operating times, transit lanes and bus lanes, can contribute to and cause congestion.

Standard clearways times are becoming more complex in addition to clearways required for special events.

How can we prevent drivers from parking (and leaving their vehicles) in clearways? This includes the start and end of clearway operating times.







Problem Statements

2. How can we improve how the TMC is notified of stationary vehicles in clearways, transit lanes or bus lanes.

The Transport Management Centre (TMC) works closely with other government agencies and service providers to constantly monitor and maximise the safety and efficiency of the NSW road network. The TMC is notified and takes action when a vehicle is parked in a clearway, transit lane or bus stop.

How can the TMC be notified faster and more efficiently when vehicles are parked illegally in clearways?

The TMC checks the vehicle registration in DRIVES to ensure the car is not involved in a crime. If this check comes back clear, a tow truck contractor is notified and authorised to tow the vehicle to the closest legal on-street parking spot. (See Statement 3).







Problem Statements

3. How can we advise a driver the location of their towed vehicle?

Drivers don't know who to contact when they can't find the their vehicle. If the vehicle has been towed due to being in a clearway, transit lane or bus lane, the TMC is aware of where the vehicle is parked.

Vehicles are towed to the nearest legal on-street parking spot. This location is logged with the TMC who can advise the driver when they phone in.

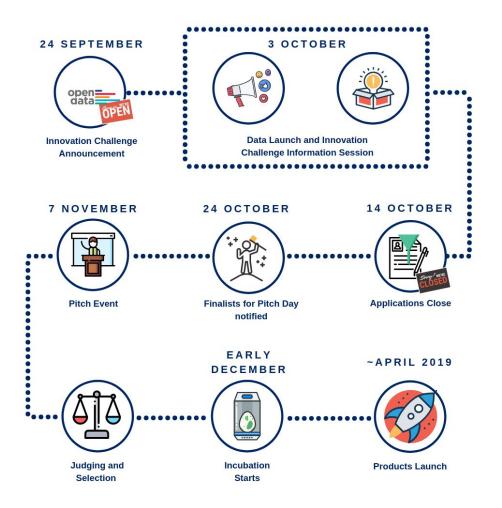
Parking fines and towing fees are incurred by the driver.





Timeline Innovation Challenge













Further information

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opendataforum.transport.nsw.gov.au



- 1. Does TfNSW make any attempt to call or SMS the mobile number (e.g. question 1 on the licence form) of the registered vehicle owner before towing?
- 2. Would TfNSW be willing to use their customer database to send notifications on behalf of an app?
- **3**. If not, would TfNSW be willing to include an opt-in checkbox for tow notifications on future vehicle registration forms?
- 4. Does TfNSW have an API to provide details of where individual vehicles are towed to?
- 5. If not, is there any possibility to request that tow truck operators enter this into an app?
- 6. What is the average and maximum distance that a vehicle has been towed to reach the nearest parking spot?







- 7. How many clearway signs currently contain the TMC number to call?
- 8. Would TfNSW be willing to add a QR code to clearway signs (e.g. a sticker on the back of each sign) to make it easier for people who can't find their car to lookup information?
- 9. May we know how the seed funding pools have been split for previous challenges? I don't need to know the exact \$ and to which recipient.
- 10. May we know what the common excuses are for drivers who park in clearways at clearways times?
- 11. Does our submission need to address all the problem statements, or any of the problem statements? I can understand that addressing all of them will be looked upon favorably, but can a submission addressing only one or two be eligible to reach the pitch day stage?







- 12. Can you share with us any existing solutions (including non-digital ones) that already address some of the problem statements?
- 13. How does the current system work? As in, how does the information flow between the tow truck contractor, TMC, and the car owner/driver?

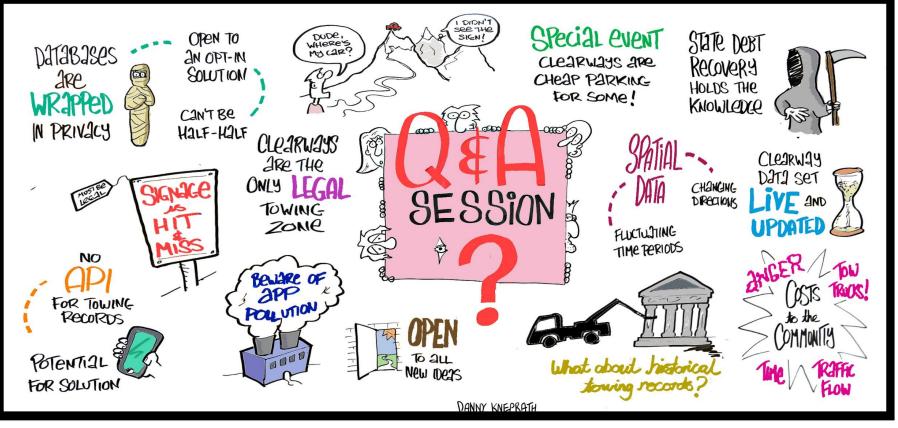




Clearways Data & Innovation Challenge
Questions from the Floor



Visual Scribe



future transport







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