

Hobart to Perth in a Tesla Model 3



History



Why do it?

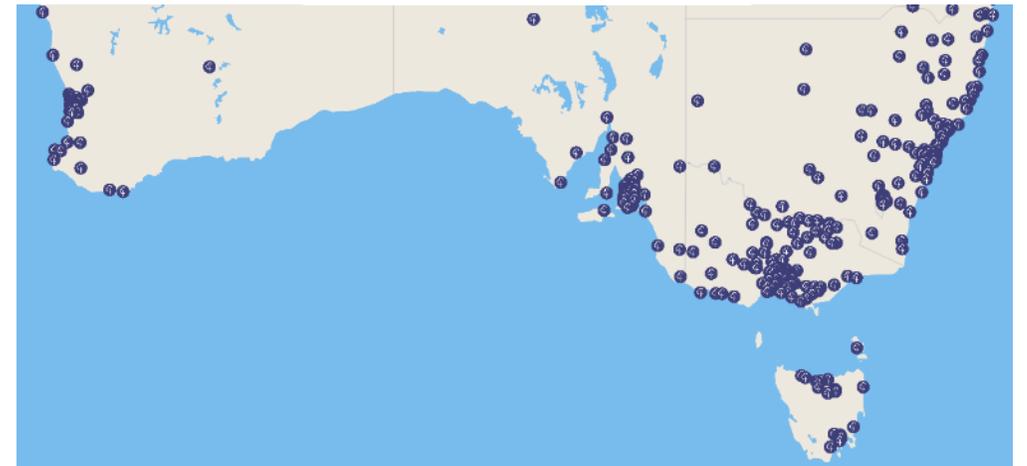


the
EV
EXPO
PERTH

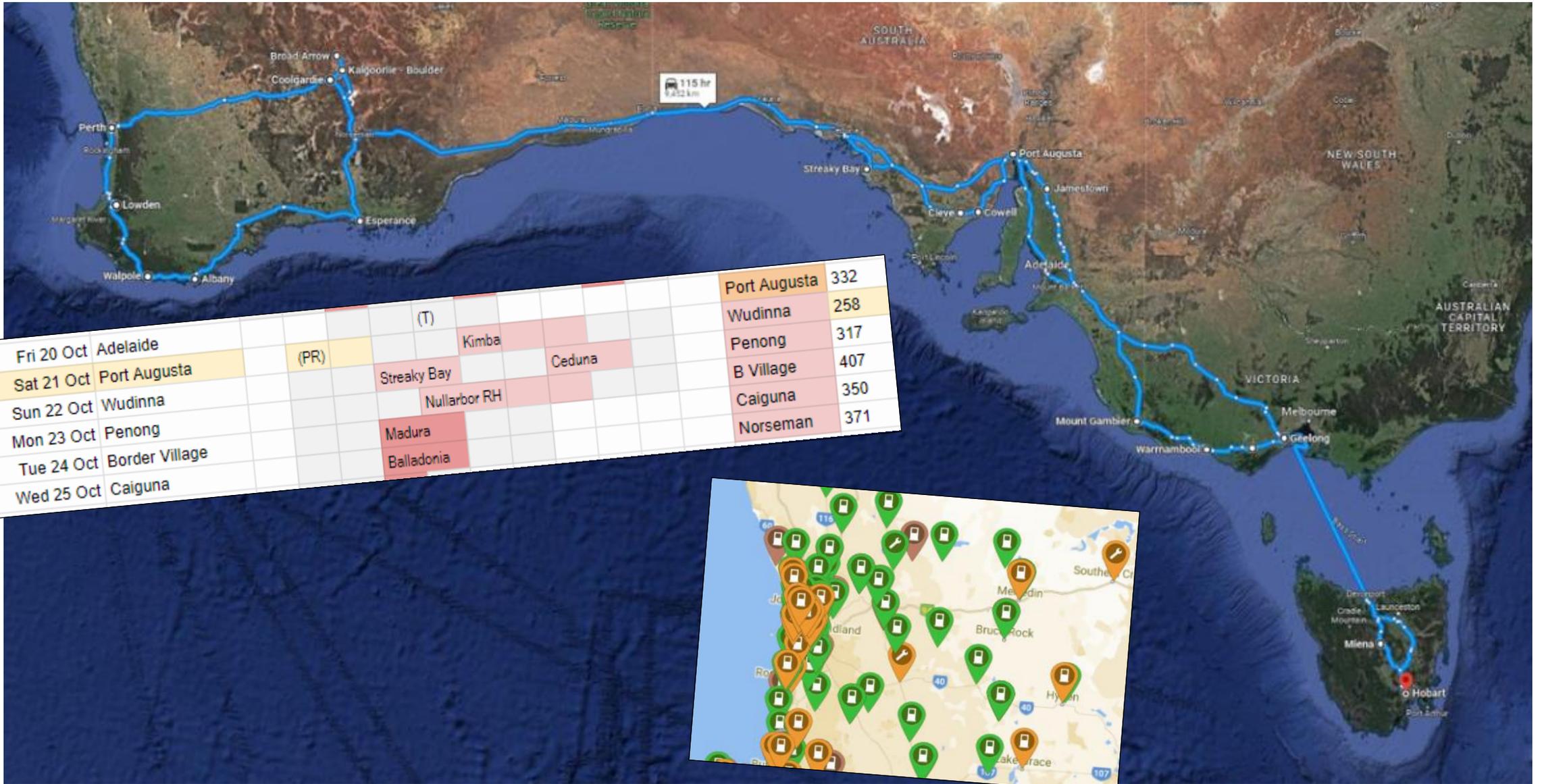
Polestar 2
100% electric

AEVA EV Expo
2023 NOVEMBER 4-5
PERTH CONVENTION & EXHIBITION CENTRE, PERTH
BOOK NOW >> THEEVEXPO.COM

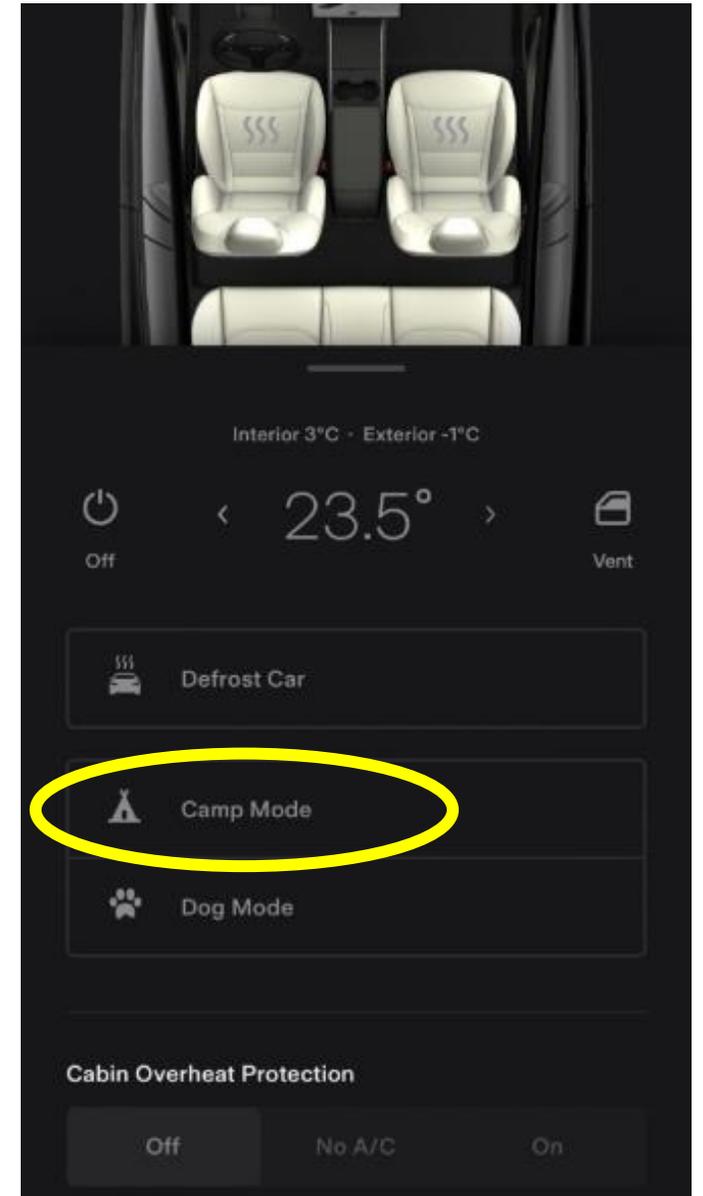
Where is
parkrun?



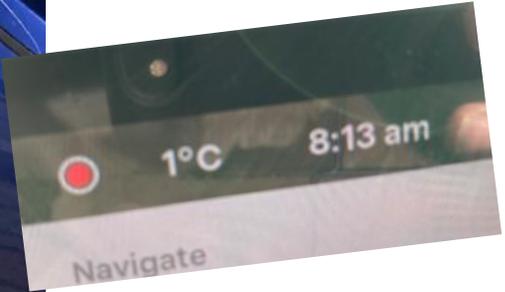
Preparation - route



Preparation – “camping”



Preparation – “camping”



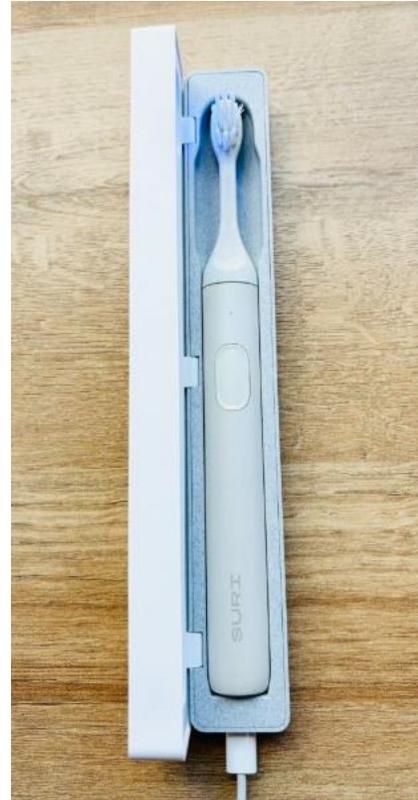
Preparation - equipment



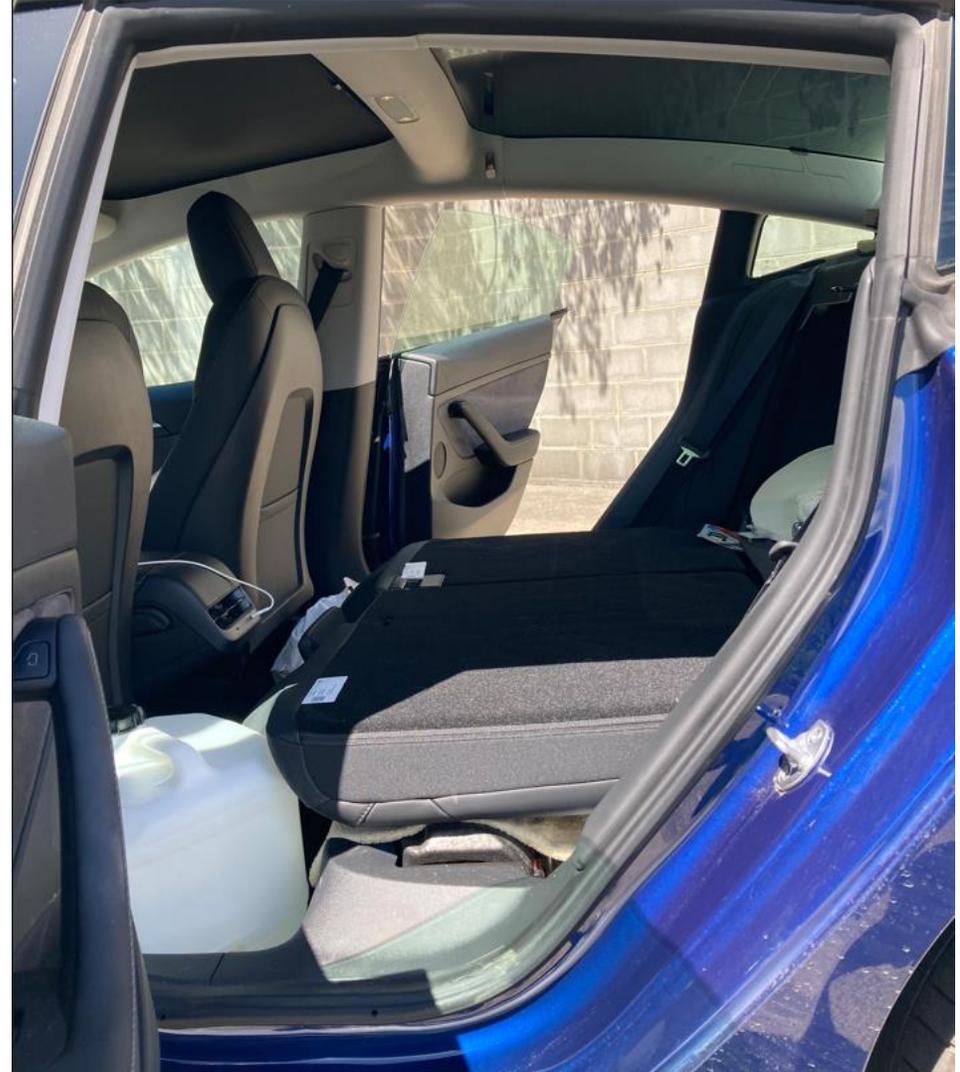
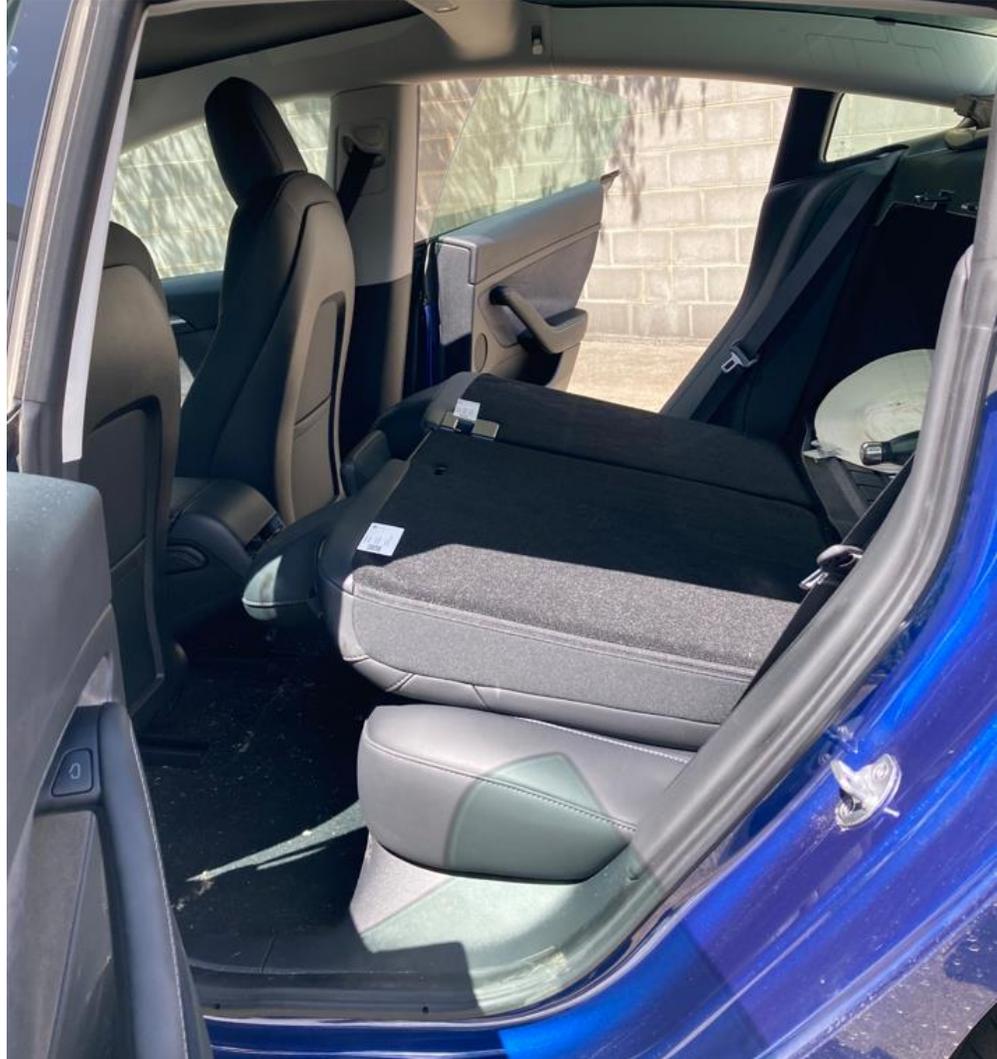
Preparation - equipment



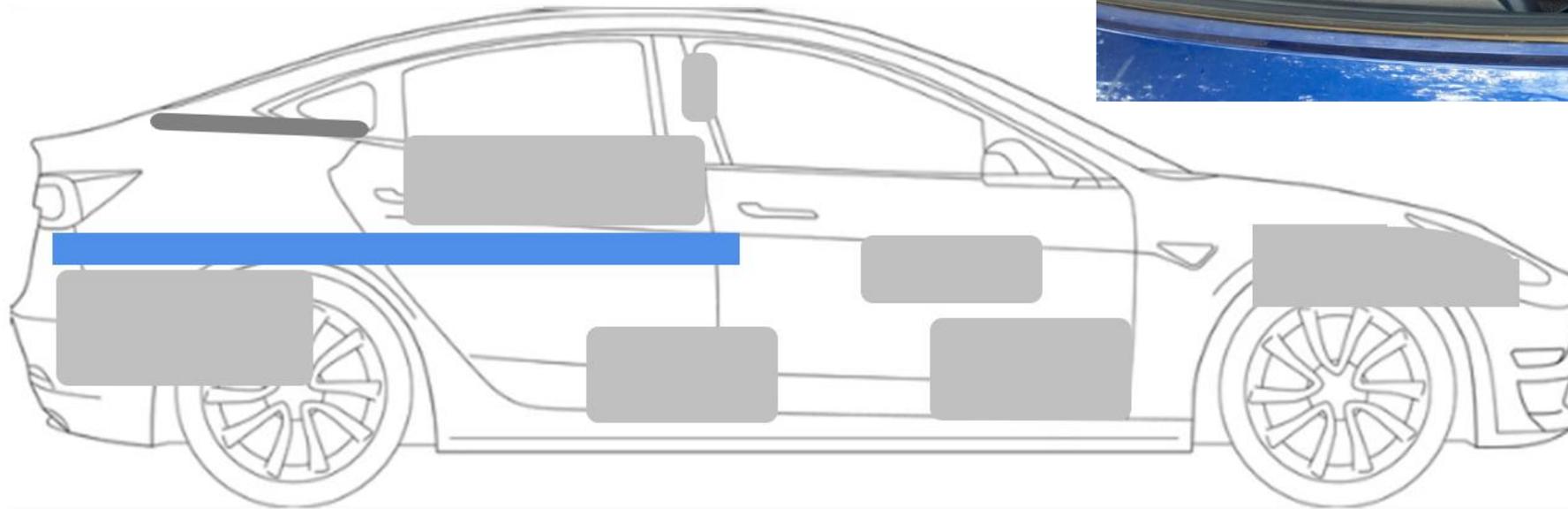
Preparation - gadgets



Preparing the car



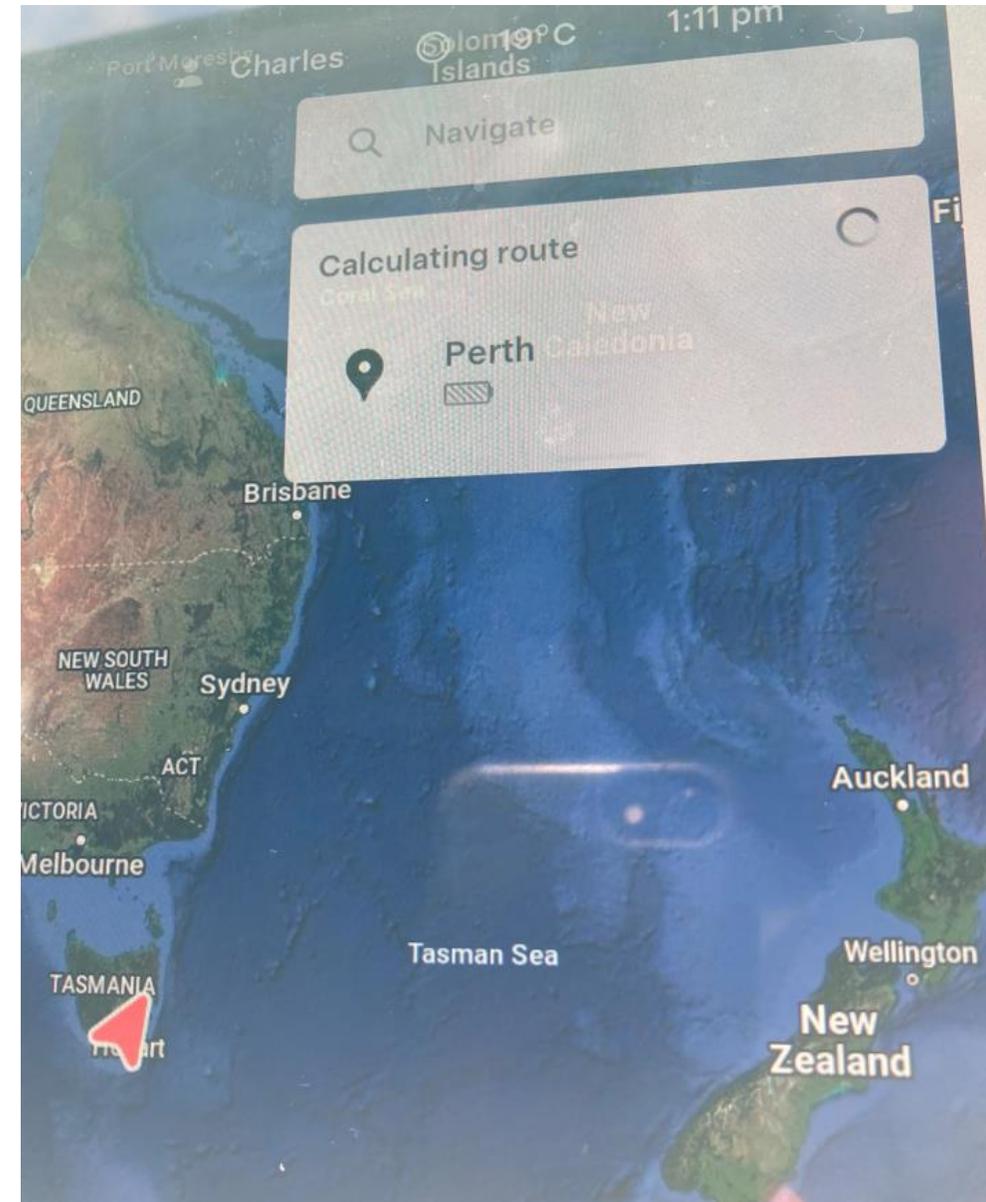
Preparation - packing



Day 1 - Time to set off!

Current Drive	Since Charge	AEVA Perth	Odometer
0 km	0 km	0 km	21,994 km
0 min	0 kWh	0 kWh	
0 Wh/km	0 Wh/km	0 Wh/km	

Auto Auto



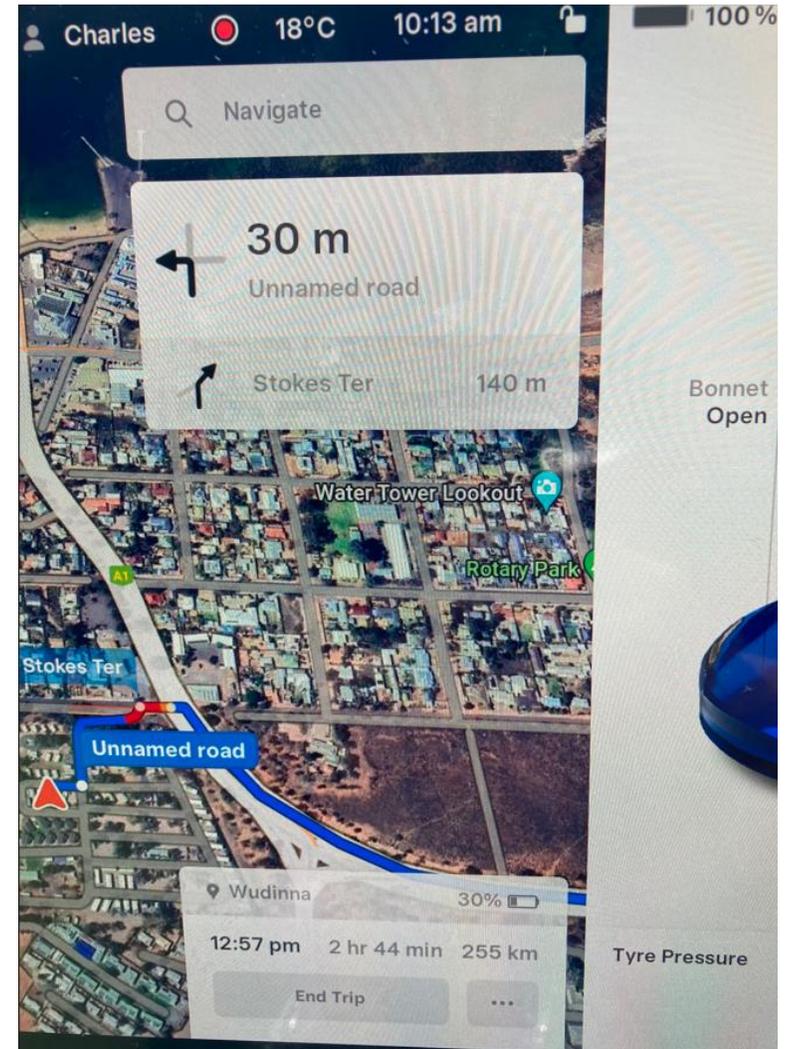
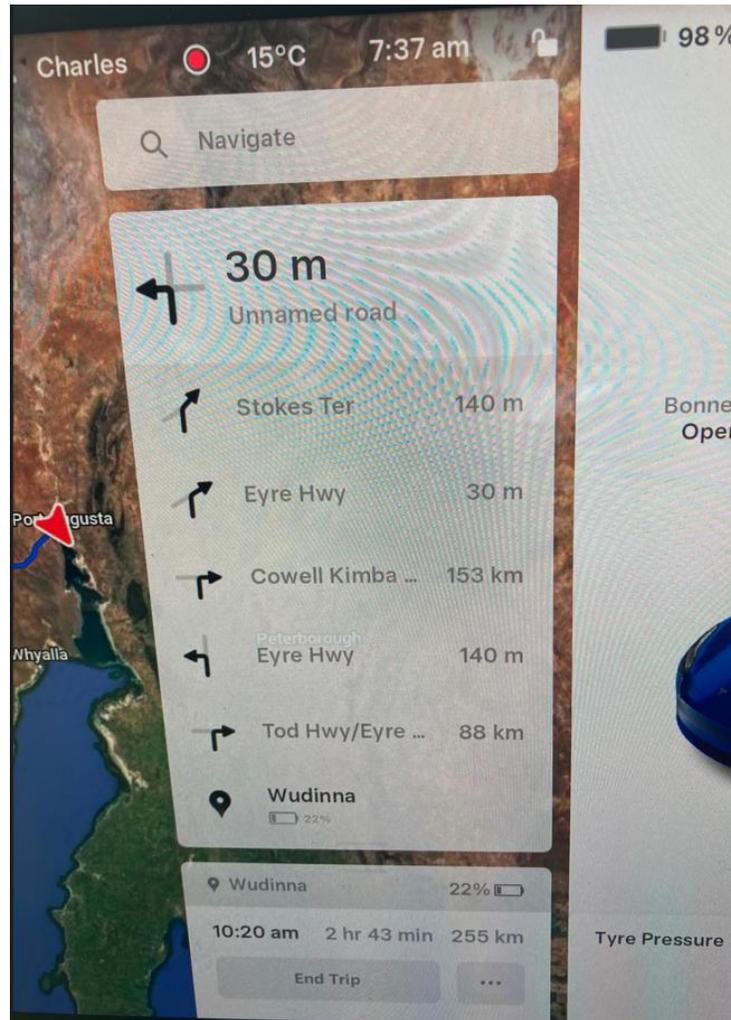
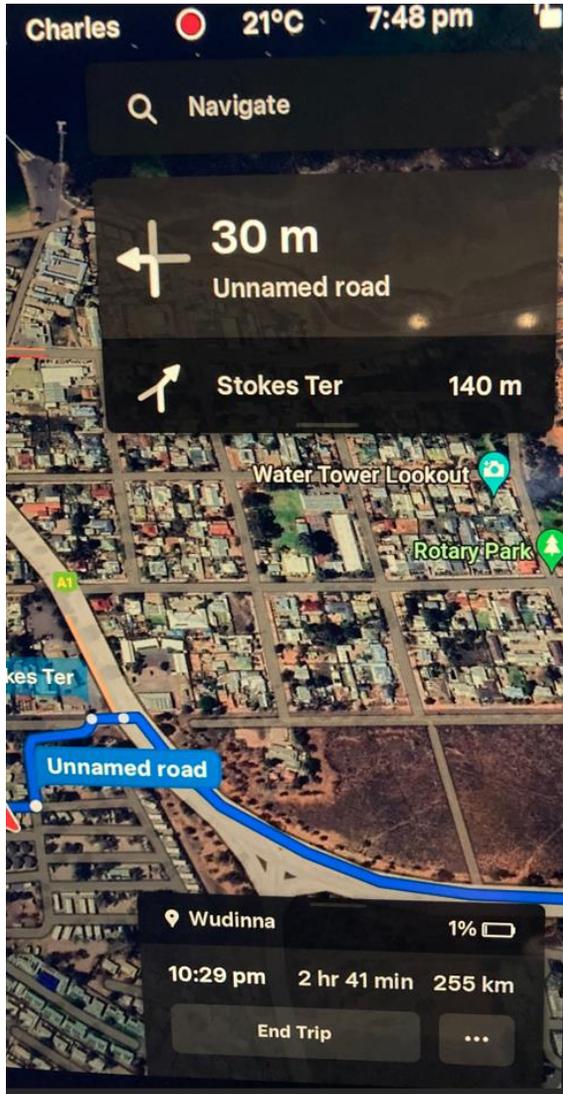
Day 2-3 – Geelong to Port Augusta



Day 2-3 – Geelong to Port Augusta



Day 4-9 – Port Augusta to Kalgoorlie



Day 4-9 – Port Augusta to Kalgoorlie









Kimba HALFWAY ACROSS Australia

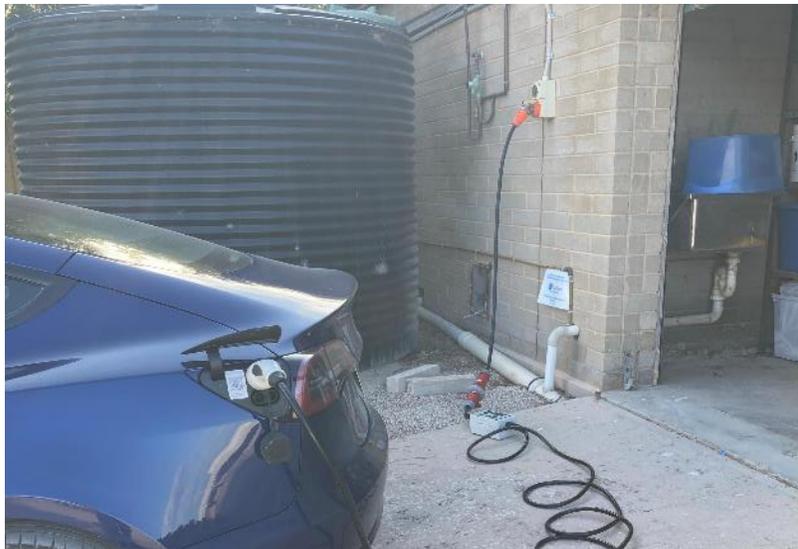
A HISTORY OF KIMBA



SA WA

WELCOME TO WESTERN AUSTRALIA

K 98-HV

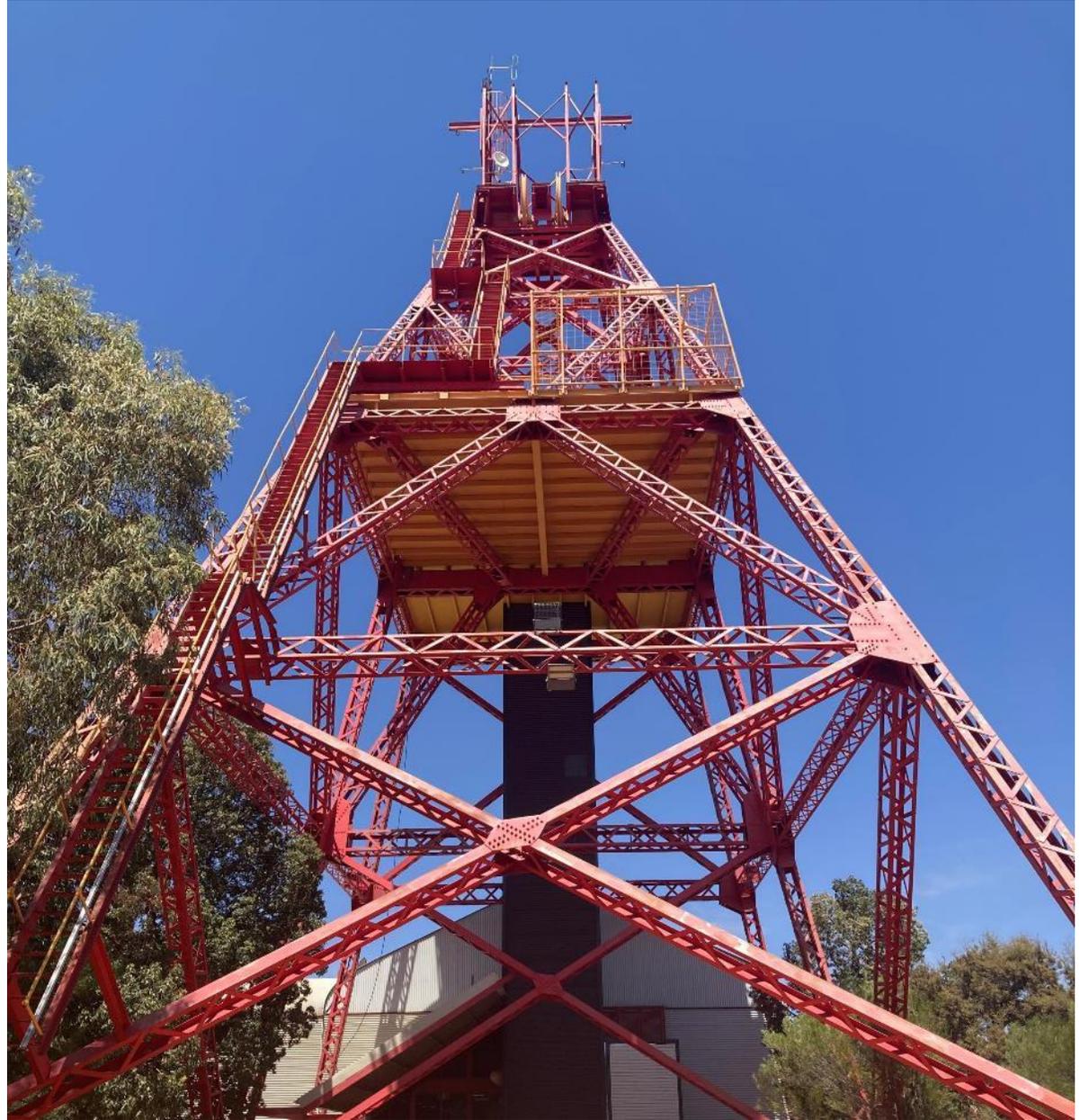


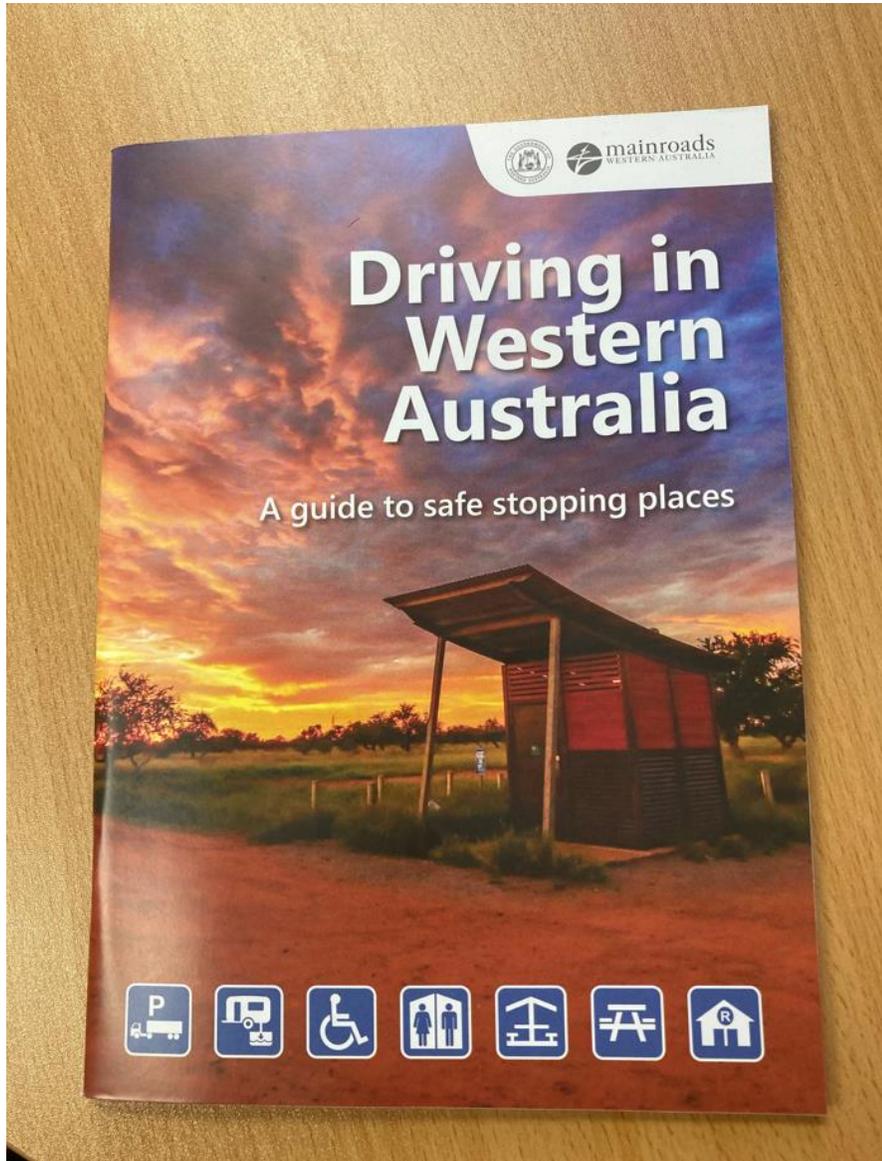




Day 4-9 – Port Augusta to Kalgoorlie summary







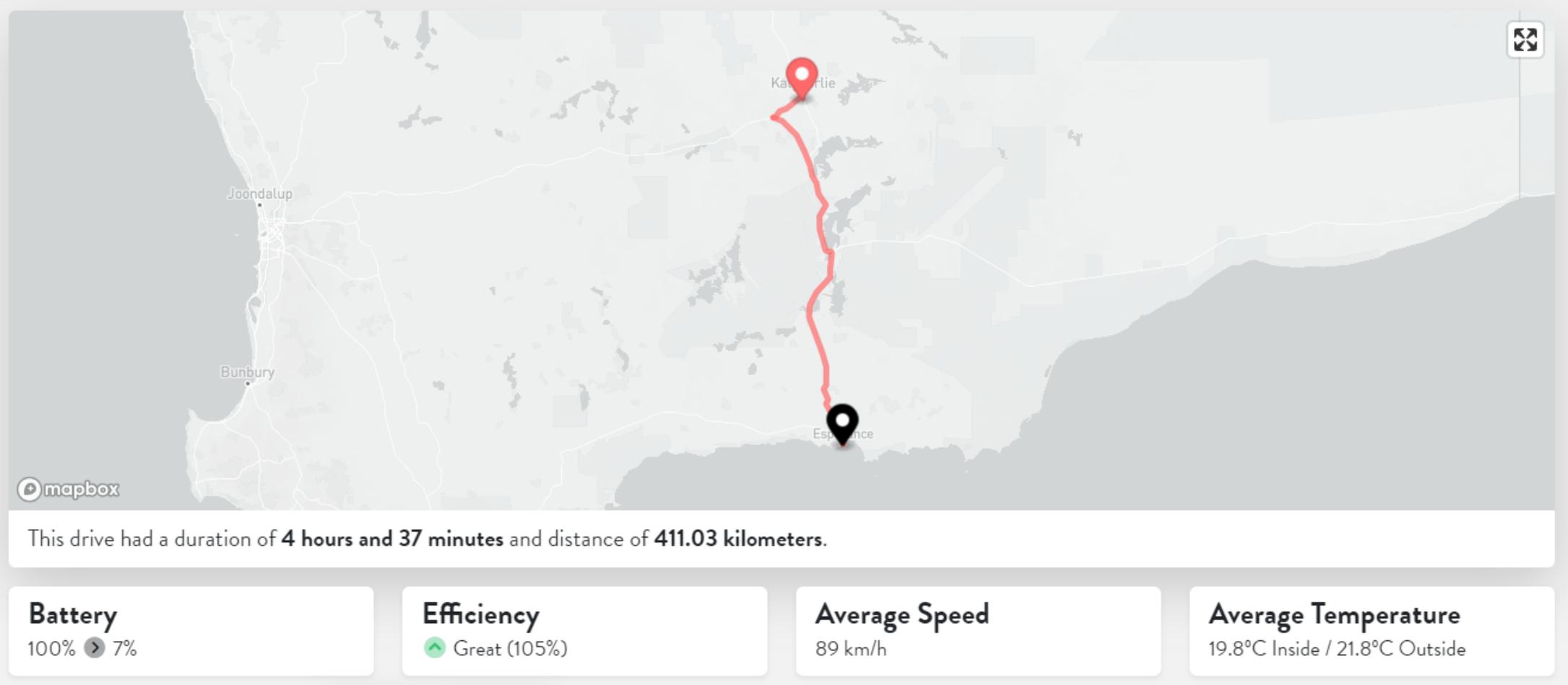
Electric Vehicle Charging Locations

The availability of charging stations is expanding, so we recommend checking out www.plugshare.com before you leave. This will give you an up to date view about where charging infrastructure is located, what type and speed it is, any restrictions on availability and whether it's currently in service. Keep in mind you might not have mobile phone coverage everywhere throughout the state, so some pre-planning is recommended.



3

Day 11-14 – Kalgoorlie to Perth (via south coast)









**Australian
Electric
Vehicle
Association**

This DC fast charger was purchased and installed thanks to the generous donations of all of the donors listed. The AEVA is committed to ensuring electric vehicles can travel easily between Esperance and Perth.

Thank you for helping drive the future!

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JOHN HUNNIBETT
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www.aeva.asn.au





Day 10-14 – Kalgoorlie to Perth summary

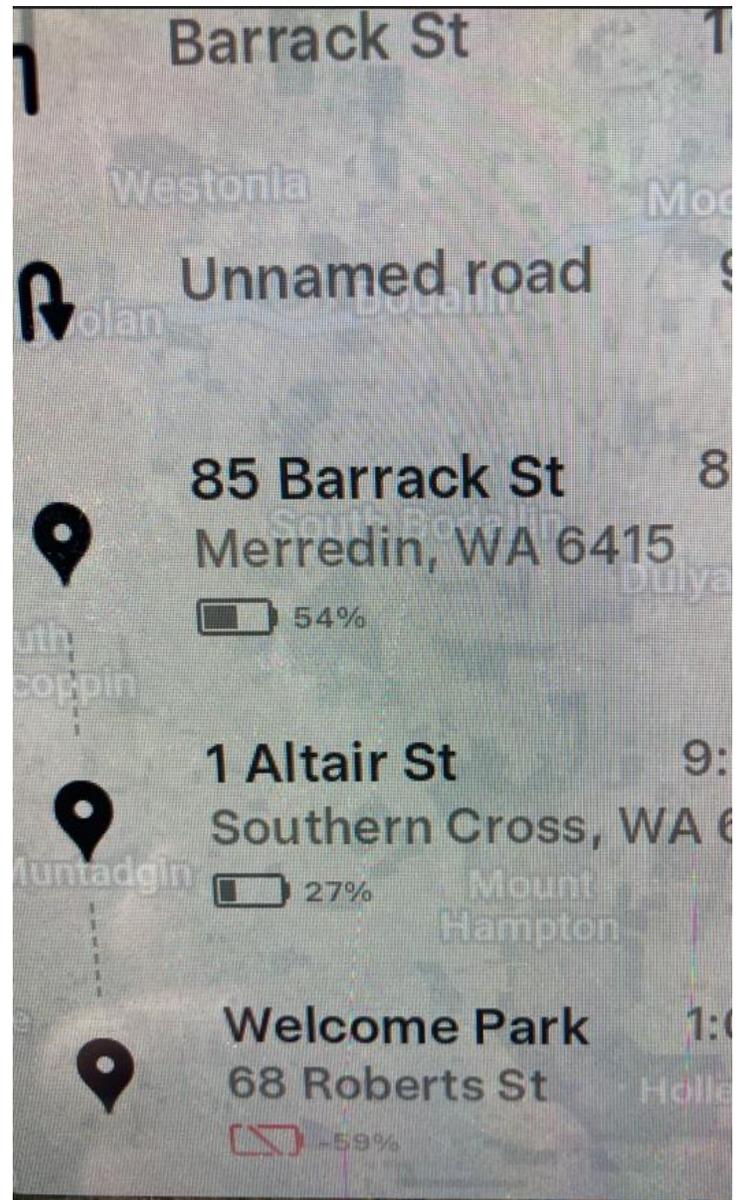
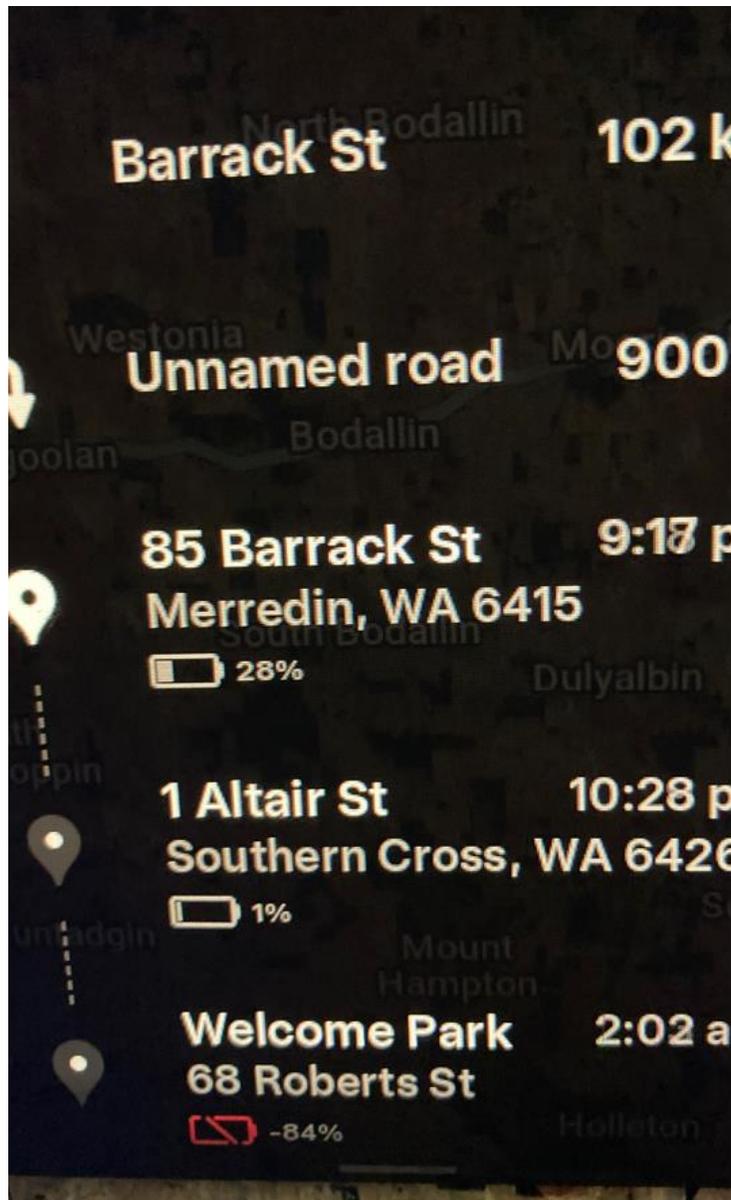


Day 15-19 – AEVA Conference and Expo



Day 20-24 – Perth to Cleve





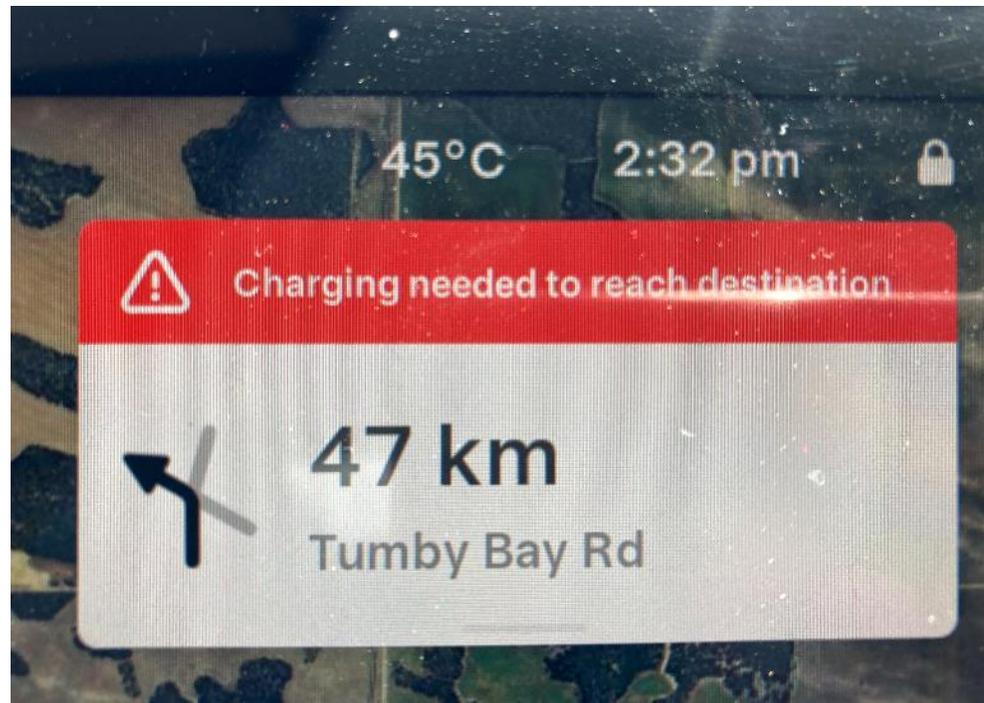












Day 20-24 – Perth to Cleve summary



Day 25-29 – Cleve to Hobart





Our mission:

Clean air  Healthy pets.

4x

Electric Vehicles have no tail pipe emissions. Petrol and Diesel tail pipe emissions are killing out pets with toxic particulates, sulphur and nitrous oxide.

Our aim is to provide a fast comfortable reliable charging experience.

This charging station is here for your pet's health and is 100% privately funded with no government funding.

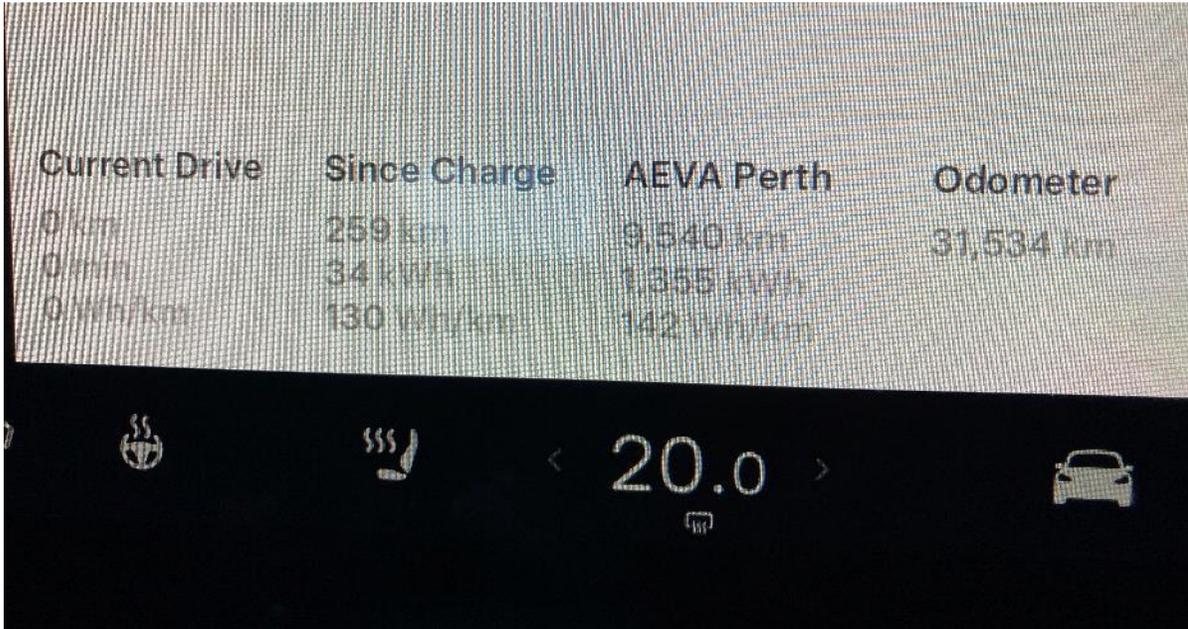
Reliability: Our aim is 100% up time
Comfort: Sheltered charging with good facilities
Environment: We aim to use a renewable energy.

What to do whilst you charge.

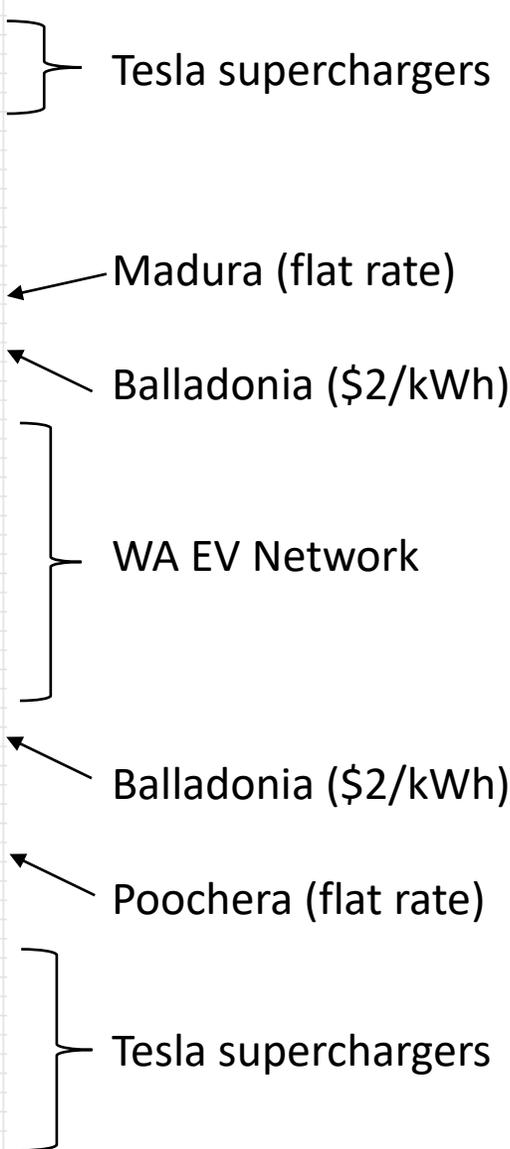
-  **Check your tyre pressure;** Correct tyre pressure is essential for range and economy.
-  **Empty your waste.** There is a council waste bin on the nature strip adjacent to the charging station.
-  **Plug Share:** <https://www.plugshare.com/location/521649> Please check in and upload a photo.
-  **Tell us how we are doing:**







	Date	Location	Charge type	kWh	start SOC%	end SOC%	minutes	cost	equiv. rate	equiv. speed		
1	18/10	Devonport	DC (Tesla SC v3)	29.84	29	76	18	\$21.70	\$0.73	99.467		
2	19/10	Lucas	DC (Tesla SC v3)	26.45	43	88	20	\$18.90	\$0.71	79.350		
3	19/10	Horsham	DC (Tesla SC v2)	25.53	48	92	21	\$18.20	\$0.71	72.943		
4	19/10	Keith	DC (Tesla SC v2)	24.08	43	84	17	\$18.20	\$0.76	84.988		
5	19/10	Tailem Bend	DC (Tesla SC v3)	12.02	53	74	7	\$9.10	\$0.76	103.029		
6	19/10	Hahndorf	AC 3.6kW (15A)	26.82	49	96	overniaht	\$0.00	\$0.00			
7	20/10	Clare	DC (Tesla SC v2)	19.64	58	92	15	\$14.70	\$0.75	78.560		
8	20/10	Pt Augusta	AC 3.6kW (15A)	32.46	47	100	overniaht	\$0.00	\$0.00			
9	21/10	Kimba	AC 7 kW	8.63	55	69	75	\$2.38	\$0.28	6.904		
10	21/10	Wudinna	AC 3.6kW (15A)	33.24	42	99	overniaht	\$0.00	\$0.00			
11	22/10	Ceduna	AC 11 kW	28.52	38	88	163	\$25.00	\$0.88	10.498		
12	22/10	Penona	AC 3.6kW (15A)	16.63	71	98	overniaht	\$0.00	\$0.00			
13	23/10	Nullarbor RH	AC 11 kW	33.77	40	99	191	\$10.00	\$0.30	10.608		
14	23/10	Border Village	AC 3.6kW (15A)	34.39	41	100	overniaht	\$0.00	\$0.00			
15	24/10	Madura	DC 22 kW	31.29	46	99	94	\$40.00	\$1.28	19.972		
16	24/10	Caluana	AC 3.6kW (15A)	26.57	54	100	overniaht	\$0.00	\$0.00			
17	25/10	Balladonia	DC 22 kW	23.96	59	99	74	\$54.50	\$2.27	19.427		
18	25/10	Norseman	AC 3.6kW (15A)	27.22	53	100	overniaht	\$0.00	\$0.00			
19	26/10	Kaloorlie	AC 7 kW	7.73	51	64	45	\$0.00	\$0.00	10.307		
20	26/10	Kaloorlie	AC 3.6kW (15A)	35.88	39	100	overniaht	\$0.00	\$0.00			
21	27/10	Kaloorlie	AC 3.6kW (15A)	20.84	68	100	overniaht	\$0.00	\$0.00			
22	28/10	Esperance	DC 150 kW	38.99	7	75	25	\$24.69	\$0.63	93.576		
23	28/10	Esperance	AC 3.6kW (15A)	15.18	74	98	overniaht	\$0.00	\$0.00			
24	29/10	Ravensthorpe	DC 20 kW	32.08	43	99	116	\$17.00	\$0.53	16.593		
25	29/10	Albanv	DC 150 kW	19.89	13	47	13	\$13.71	\$0.69	91.800		
26	29/10	Albanv	AC 3.6kW (15A)	32.08	46	100	overniaht	\$0.00	\$0.00			
27	30/10	Waloole	DC 150 kW	12.44	71	92	13	\$8.51	\$0.68	57.415		
28	30/10	Maniimo	DC 150 kW	14.28	61	86	13	\$9.95	\$0.70	65.908		
29	30/10	Margaret River	DC (Tesla SC v3)	16.63	57	86	12	\$12.60	\$0.76	83.150		
30	30/10	Margaret River	AC 11 kW	7.6	86	100	54	\$0.00	\$0.00	8.444		
31	31/10	Eaton	DC (Tesla SC v2)	29.57	35	86	21	\$22.40	\$0.76	84.486		
32	31/10	Fremantle	AC 3.6kW (15A)	32.85	50	100	overniaht	\$0.00	\$0.00			
33	5/11	Belmont	DC 75 kW	28.95	28	78	24	\$18.21	\$0.63	72.375		
34	5/11	Cunderdin	AC 3.6kW (15A)	21.99	42	81	overniaht	\$0.00	\$0.00			
35	6/11	Merredin	DC 150 kW	13.48	53	77	11	\$9.01	\$0.67	73.527		
36	6/11	Southern Cross	DC 150 kW	27.77	52	99	35	\$16.98	\$0.61	47.606		
37	6/11	Norseman	AC 3.6kW (15A)	38.75	9	76	overniaht	\$0.00	\$0.00			
38	7/11	Balladonia	DC 22 kW	41.62	27	99	129	\$86.00	\$2.07	19.358		
39	7/11	Madura	DC 22 kW	53.01	9	100	180	\$40.00	\$0.75	17.670		
40	8/11	Border Village	AC 11 kW	26.97	45	91	154	\$30.00	\$1.11	10.508		
41	8/11	Nullarbor RH	AC 11 kW	20.54	34	70	128	\$32.00	\$1.56	9.628		
42	8/11	Nullarbor RH	AC 3.6kW (15A)	15.56	70	98	overniaht	\$0.00	\$0.00			
43	9/11	Ceduna	AC 11 kW	45.79	21	100	overniaht	\$12.50	\$0.27			
44	10/11	Poochera	AC 11 kW	12.57	57	79	82	\$30.00	\$2.39	9.198		
45	10/11	Tumbv Bav	DC 150 kW	47.52	15	97	42	\$31.39	\$0.66	67.886		
46	10/11	Arno Bav	AC 3.6kW (15A)	13.99	76	100	overniaht	\$0.00	\$0.00			
47	11/11	Whvalla	DC 75 kW	30.22	48	99	39	\$19.66	\$0.65	46.492		
48	11/11	Jamestown	AC 3.6kW (15A)	33.89	41	100	overniaht	\$0.00	\$0.00			
49	12/11	Clare	DC (Tesla SC v2)	11.64	78	99	10	\$9.10	\$0.78	69.840		
50	12/11	Tailem Bend	DC (Tesla SC v3)	22.91	50	90	17	\$16.80	\$0.73	80.859		
51	12/11	Keith	DC (Tesla SC v2)	16.11	57	85	11	\$11.90	\$0.74	87.873		
52	12/11	Mount Gambier	DC (Tesla SC v3)	22.37	26	65	overniaht	\$17.50	\$0.78	122.018		
53	12/11	Mount Gambier	AC 3.6kW (15A)	21.07	64	100	overniaht	\$0.00	\$0.00			
54	13/11	Port Fairv	DC 75 kW	11.64	58	78	16	\$6.62	\$0.57	43.650		
55	13/11	Warrnambool	DC (Tesla SC v3)	15.84	72	99	19	\$11.90	\$0.75	50.021		
56	13/11	Colac	DC (Tesla SC v3)	13.09	74	97	10	\$9.80	\$0.75	78.540		
57	14/11	Ocean Grove	DC 50 kW	13.09	65	88	19	\$3.83	\$0.29	41.337		
58	14/11	Geelong	DC (Tesla SC v3)	8.38	75	89	7	\$6.30	\$0.75	71.829		
59	15/11	Devonport	DC (Tesla SC v3)	5.88	84	94	16	\$5.60	\$0.95	22.050		



			km	kWh	Wh/km		
18 Oct	Day 1		278	42.0	151.1		Hobart - Devonport
19 Oct	Day 2		682	100.0	146.6		Geelong - Hahndorf
20 Oct	Day 3		354	45.0	127.1		Hahndorf - Port Augusta
21 Oct	Day 4		271	42.0	155.0		Port Augusta - Wudinna
22 Oct	Day 5		324	42.0	129.6		Wudinna - Penong
23 Oct	Day 6		411	64.0	155.7		Penong - Border Village
24 Oct	Day 7		353	55.0	155.8		Border Village - Caiguna
25 Oct	Day 8		375	49.0	130.7		Caiguna - Norseman
26 Oct	Day 9		288	40.0	138.9		Norseman - Kalgoorlie
27 Oct	Day 10		112	15.0	133.9		(Kalgoorlie)
28 Oct	Day 11		434	54.0	124.4		Kalgoorlie - Esperance
29 Oct	Day 12		505	82.0	162.4		Esperance - Albany
30 Oct	Day 13		487	65.0	133.5		Albany - Donnybrook
31 Oct	Day 14		325	41.0	126.2		Donnybrook - Fremantle
1 Nov	Day 15		59	8.0	135.6		(Perth)
2 Nov	Day 16		0	0.0			
3 Nov	Day 17		0	0.0			
4 Nov	Day 18		49	6.0	122.4		Perth - Cunderdin
5 Nov	Day 19		201	27.0	134.3		Cunderdin - Norseman
6 Nov	Day 20		571	78.0	136.6		Norseman - Madura
7 Nov	Day 21		531	77.0	145.0		Madura - Nullarbor
8 Nov	Day 22		381	62.0	162.7		Nullarbor - Ceduna
9 Nov	Day 23		302	43.0	142.4		Ceduna - Arno Bay
10 Nov	Day 24		472	65.0	137.7		Arno Bay - Jamestown
11 Nov	Day 25		421	61.0	144.9		Jamestown - Mt Gambier
12 Nov	Day 26		630	94.0	149.2		Mt Gambier - Geelong
13 Nov	Day 27		390	54.0	138.5		(Geelong)
14 Nov	Day 28		73	10.0	137.0		Devonport - Hobart
15 Nov	Day 29		261	34.0	130.3		

Statistics

Total kWh: 1411.74

Includes “free” kWh: 479.41 (33.96% of all energy)

Total cost: \$766.64

Average rate 54c/kWh

Average rate excluding “free” 82c/kWh

Total distance: 9540 km (329 km/day)

Efficiency: 147 Wh/km (14.7 kWh/100km)

Cost per km: 8c/km or \$8/100 km

A car getting 7L/100 km and paying \$2/L, would have cost \$1335.60

But what about now?



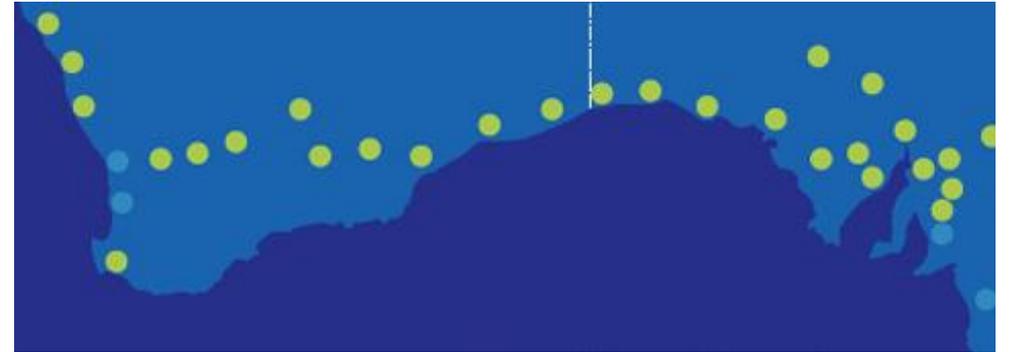
Green
150 kW DC

Yellow
22 kW DC

Orange
11 kW (AC)



And in the future...



Questions?



NULLARBOR PLAIN
WESTERN END OF TREELESS PLAIN