s 12(1)(c)

FOI 2322
Document 1

s 12(1)(c)

s12(1)(c) s 34(1)(c) and 34(3)

s 12(1)(c)

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G oup	Sou ce abated (segment)	Level sed cost of Abatement n 2030 $/t CO2-e)	Annual abatement n 2030 - AGEIS secto s ('000 t CO2-e)	Cumulat ve abatement potent al by 2030 - AGEIS Secto s (Mt CO2-e)
1. Bu lt env onment - Integ ated low ca bon bu ld ngs	Elect c ty	-49.24	1186	6 6
	Elect c ty	-49.24	1322	7 4
	Elect c ty	-48.74	3084	25.4
	Elect c ty	-49.24	3320	15.2
	Elect c ty	-48.62	1373	11.3
2. Low Ca bon P ec ncts and Sma t U ban Des gn	T anspo t	-328.84	1846	10.2
	Elect c ty	-49.24	2920	16.3
3. D g tal nf ast uctu e d splac ng the need fo t anspo t fuel	T anspo t	-49.24	410	2 3
	T anspo t	-304.24	1857	5 6
4. Intell gent ndust al and bu ld ng management systems	Elect c ty	-52.81	2177	12.1
	Elect c ty	-55.61	1470	8 2
	D ect combust on	-250.96	668	5 3
	D ect combust on	0.05	4.8	0
	D ect combust on	-113.13	130	0 7
	Elect c ty	-23.79	286	1 6
	T anspo t	-244.82	197	1 1
	T anspo t	-302 6	149	0 8
	D ect combust on	-155.57	281	2
	T anspo t	-328.93	296	1 6
	T anspo t	-354.52	1157	6 4
	Elect c ty	-25.83	2350	13.1
5. H gh pe fo mance low ca bon ene gy gene at on and d st but on	Elect c ty	-97.36	301	2 4
	Elect c ty	-25.88	2236	17.9
	Elect c ty	64.41	118	0 6
	Elect c ty	64.71	3478	19.1
	Elect c ty	56.15	0	0
	Elect c ty	2 52	2243	10.2
	Elect c ty	-37.59	460	2 6
	Elect c ty	85.71	825	6 6
	Elect c ty	44.39	0	0
	Elect c ty	60.63	0	0
	Elect c ty	0	0	0
6. Advanced ndust al ene gy eff c ent equ pment and p ocess mp ovement	D ect combust on	66.33	332	2 3
	D ect combust on	-75.47	457	3 2
	D ect combust on	-	156	1 2
	D ect combust on	0 27	361	2 9
	Elect c ty	8.93	1413	11.7
	Indust al p ocesses and p oduct use	35.29	389	3 1
	D ect combust on	35.02	317	2 5
	D ect combust on	-126.27	1675	13.4
	Elect c ty	-52.46	1243	10.2
	D ect combust on	86.92	719	5 8
	D ect combust on	86.92	2344	12.9
	Elect c ty	58	347	1 9
	D ect combust on	86.92	2255	12.4
	D ect combust on	58	43	0 2
7. Advanced comme c al ene gy eff c ent equ pments	Elect c ty	-39.36	2532	20.9
	Elect c ty	-50.86	2859	23.6
	Elect c ty	-52.46	2019	16.7
	Elect c ty	-50.94	474	3 9
	Elect c ty	-52.32	403	2 2
8. Low ca bon t anspo t	T anspo t	-89.43	6680	53.4
	T anspo t	-199.51	2936	23.5
	T anspo t	86.13	799	6 4
	T anspo t	-217 4	5102	40.8
	T anspo t	255 67	890	7 1
	T anspo t	3.93	209	1 7
9. Imp ove land managemen and low em ss ons fa m ng p act ces	Ag cu tu e	-73.53	505	2 8
	Ag cu tu e	9.12	11267	62
	Ag cu tu e	24.41	1260	6 9
	Ag cu tu e	9 71	1073	5 9
	Ag cu tu e	14.71	1580	8 7
	LULUCF	85.29	4733	26
	LULUCF	8 82	2527	13.9
	LULUCF	25	16067	88.4
	LULUCF	23.53	10733	59
	LULUCF	26.47	13267	73
	LULUCF	52.94	2273	12.5
10. Fug t ve em ss ons	Fug t ves	-3 34	2707	14.9
	Fug t ves	-2 74	2520	13.9
	Fug t ves	25	267	1 5
	Fug t ves	3.19	280	1 5
	Fug t ves	4 26	1987	10.9
11. Waste management	Waste	73	2335	18.7
	Waste	127	457	3 7
	Waste	20	289	1 6
	Waste	42	41	0 2
12. Management of synthet gases	Indust al p ocesses and p oduct use	25	4850	40.1

* Included n the MACC output fo completeness but not ncluded n stacked ba analys s as the e a e no pol cy mechan sms to suppo t the sw tch f om coal f ed gene at on to gas o w nd gene at on.
Note that some abatement oppo tun t es that have ze o annual and cumulat ve abatement a e fully deployed by 2020 and a e the efo e not ava lable to cont bute to the 2030 abatement task.

s 34(1)(c) and 34(3)

G oup	Sou ce abated (segment)	Level sed cost of Abatement n 2030 ($/t CO2-e)	Annual abatement n 2030 - AGEIS secto s (000 t CO2-e)	Cumulat ve abatement potent al by 2030 - AGEIS Secto s (Mt CO2-e)
1. Bu t env onment - Integ ated low ca bon bu ld ngs	Elect c ty	-49.24	1186	6.6
	Elect c ty	-49.24	1322	7.4
	Elect c ty	-48.74	3084	25.4
	Elect c ty	-49.24	3320	15.2
	Elect c ty	-48.62	1373	11.3
2. Low Ca bon P ec ncts and Sma t U ban Des gn	T anspo t	-328.84	1846	10.2
	Elect c ty	-49.24	2920	16.3
3. D g tal nf ast uctu e d splac ng the need fo t anspo t fuel	T anspo t	-49.24	410	2.3
	T anspo t	-304.24	1857	5.6
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	Elect c ty	-55.61	1470	8.2
	D ect combust on	-250.96	668	5.3
	D ect combust on	0.05	4.8	0
	D ect combust on	-113.13	130	0.7
	Elect c ty	-23.79	286	1.6
	T anspo t	-244.82	197	1.1
	T anspo t	-302 6	149	0.8
	D ect combust on	-155.57	281	2
	T anspo t	-328.93	296	1.6
	T anspo t	-354.52	1157	6.4
	Elect c ty	-25.83	2350	13.1
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	Elect c ty	-25.88	2236	17.9
	Elect c ty	64.41	118	0.6
	Elect c ty	64.71	3478	19.1
	Elect c ty	56.15	0	0
	Elect c ty	2 52	2243	10.2
	Elect c ty	-37.59	460	2.6
	Elect c ty	85.71	825	6.6
	Elect c ty	44.39	0	0
	Elect c ty	60.63	0	0
	Elect c ty	0	0	0
6. Advanced ndust al ene gy e f c ent equ pment and p ocess mp ovement	D ect combust on	66.33	332	2.3
	D ect combust on	-75.47	457	3.2
	D ect combust on	-	156	1.2
	D ect combust on	0 27	361	2.9
	Elect c ty	8.93	1413	11.7
	ndust al p ocesses and p oduct use	35.29	389	3.1
	D ect combust on	35.02	317	2.5
	D ect combust on	-126.27	1675	13.4
	Elect c ty	-52.46	1243	10.2
	D ect combust on	86.92	719	5.8
	D ect combust on	86.92	2344	12.9
	Elect c ty	58	347	1.9
	D ect combust on	86.92	2255	12.4
	D ect combust on	58	43	0.2
7. Advanced comme c al ene gy eff c ent equ pment	Elect c ty	-39.36	2532	20.9
	Elect c ty	-50.86	2859	23.6
	Elect c ty	-52.46	2019	16.7
	Elect c ty	-50.94	474	3.9
	Elect c ty	-52.32	403	2.2
8. Low ca bon t anspo t	T anspo t	-89.43	6680	53.4
	T anspo t	-199.51	2936	23.5
	T anspo t	86.13	799	6.4
	T anspo t	-217 4	5102	40.8
	T anspo t	255 67	890	7.1
	T anspo t	3.93	209	1.7
9. Imp ove land management and low em ss ons fa m ng p act ces	Ag cultu e	-73.53	505	2.8
	Ag cultu e	9.12	11267	62
	Ag cultu e	24.41	1260	6.9
	Ag cultu e	9 71	1073	5.9
	Ag cultu e	14.71	1580	8.7
	LULUCF	85.29	4733	26
	LULUCF	8 82	2527	13.9
	LULUCF	25	16067	88.4
	LULUCF	23.53	10733	59
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	LULUCF	52.94	2273	12.5
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	Fug t ves	4.26	1987	10.9
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	Waste	127	457	3.7
	Waste	20	289	1.6
	Waste	42	41	0.2
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Time Series Workbook

6401.0 Consumer Price Index, Australia
TABLES 1 and 2. CPI: All Groups, Index Numbers and Percentage Changes

Related Information: Summary Publication Explanatory Notes Inquiries

Data Item Description	Series Type	Series ID	Series Start	Series End	No. Obs.	Unit	Data Type	Freq.	Collection Month
Index Numbers ; All groups CPI ; Sydney ;	Original	A2325806K	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Melbourne ;	Original	A2325811C	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Brisbane ;	Original	A2325816R	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Adelaide ;	Original	A2325821J	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Perth ;	Original	A2325826V	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Hobart ;	Original	A2325831L	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Darwin ;	Original	A2325836X	Sep-1980	Mar-2018	151	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Canberra ;	Original	A2325841T	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Index Numbers ; All groups CPI ; Australia ;	Original	A2325846C	Sep-1948	Mar-2018	279	Index Numb	INDEX	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Sydney ;	Original	A2325807L	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Melbourne ;	Original	A2325812F	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Brisbane ;	Original	A2325817T	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Adelaide ;	Original	A2325822K	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Perth ;	Original	A2325827W	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Hobart ;	Original	A2325832R	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Darwin ;	Original	A2325837A	Sep-1981	Mar-2018	147	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Canberra ;	Original	A2325842V	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Corresponding Quarter of Previous Year ; All groups CPI ; Australia ;	Original	A2325847F	Sep-1949	Mar-2018	275	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Sydney ;	Original	A2325810A	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Melbourne ;	Original	A2325815L	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Brisbane ;	Original	A2325820F	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Adelaide ;	Original	A2325825T	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Per h ;	Original	A2325830K	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Hobart ;	Original	A2325835W	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Darwin ;	Original	A2325840R	Dec-1980	Mar-2018	150	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Canberra ;	Original	A2325845A	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3
Percentage Change from Previous Period ; All groups CPI ; Australia ;	Original	A2325850V	Dec-1948	Mar-2018	278	Percent	PERCENT	Quarter	3

	ndex Numbe s All g oups C I Sydney	Index Numbe s All g oups C I Melbou ne	Index Numbe s A l g oups C I B isbane	Index Numbe s All g oups C I Ade a de	ndex Numbe s All g oups C I e th	Index Numbe s A l g oups C I Hoba t	Index Numbe s A l g oups C I Da w n	ndex Numbe s All g oups C I Canbe a	Index Numbe s All g oups C I Aust al a
	Index Numbe s	Index Numbe s	ndex Numbe s	Index Numbe s	Index Numbe s	ndex Numbe s	Index Numbe s	Index Numbe s	Index Numbe s
e es T e	O iginal	O iginal	O g nal	O ginal	O iginal	O ig nal	O g nal	O iginal	O iginal
a a T e	NDEX	INDEX	INDEX	INDEX	NDEX	INDEX	INDEX	NDEX	NDEX
e e	Qua te	Qua e	Qua te	Qua te	Qua te	Qua e	Qua te	Qua te	Qua e
e M	3	3	3	3	3	3	3	3	3
e es a	Sep- 948	Sep- 948	Sep- 948	Sep- 948	Sep- 948	Sep- 948	Sep- 980	Sep- 948	Sep- 948
e es	Ma 20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma 20 8	Ma -20 8	Ma -20 8	Ma 20 8	Ma -20 8
s	279	279	279	279	279	279	5	279	279
e es	A2325806K	A23258 C	A23258 6R	A232582	A2325826V	A232583	A2325836X	A232584	A2325846C
Sep- 948	3 7	3 8	3 7	3 8	3 7	3 8		3 9	3 7
Dec- 948	3 7	3 8	3 7	3 9	3 8	3 9		4	3 8
Ma - 949	3 9	3 9	3 8	4 0	3 9	4 0		4	3 9
un- 949	3 9	4 0	3 9	4 0	4 0	4		4 2	4 0
Sep- 949	4 0	4	4 0	4	4	4		4 3	4
Dec- 949	4	4 2	4	4	4 2	4 2		4 3	4
Ma - 950	4	4 3	4	4 2	4 2	4 2		4 4	4 2
un- 950	4 3	4 4	4 2	4 4	4 4	4 3		4 6	4 3
Sep- 950	4 4	4 5	4 3	4 4	4 5	4 4		4 7	4 4
Dec- 950	4 6	4 6	4 4	4 6	4 6	4 5		4 8	4 6
Ma - 95	4 7	4 9	4 7	4 8	4 8	4 8		5	4 8
un- 95	5	5	4 9	5	5	5 2		5 4	5
Sep- 95	5 4	5 4	5	5 4	5 4	5 4		5 7	5 3
Dec- 95	5 7	5 8	5 6	5 7	5 7	5 8		6 0	5 7
Ma - 952	5 9	5 9	5 8	5 9	6 0	6 0		6 2	5 9
un- 952	6	6 2	5 9	6 2	6 2	6 2		6 5	6
Sep- 952	6 2	6 3	6	6 3	6 4	6 3		6 7	6 2
Dec- 952	6 3	6 3	6	6 3	6 4	6 4		6 7	6 3
Ma - 953	6 3	6 4	6	6 4	6 5	6 5		6 8	6 3
un- 953	6 4	6 5	6 2	6 4	6 5	6 6		6 8	6 4
Sep- 953	6 4	6 5	6 2	6 5	6 6	6 8		6 9	6 5
Dec- 953	6 4	6 5	6 2	6 5	6 6	6 8		7 0	6 4
Ma - 954	6 4	6 5	6 2	6 5	6 6	6 8		6 9	6 5
un- 954	6 4	6 5	6 2	6 5	6 7	6 8		6 9	6 5
Sep- 954	6 4	6 4	6 2	6 5	6 7	6 7		6 9	6 5
Dec- 954	6 4	6 4	6 2	6 5	6 7	6 7		7 0	6 5
Ma - 955	6 5	6 5	6 3	6 6	6 7	6 8		7 0	6 5
un- 955	6 5	6 6	6 3	6 6	6 8	6 8		7	6 6
Sep- 955	6 5	6 7	6 3	6 6	6 8	7 0		7 2	6 6
Dec- 955	6 6	6 8	6 4	6 7	6 9	7		7 2	6 7
Ma - 956	6 6	6 9	6 5	6 8	6 9	7 2		7 3	6 7
un- 956	6 9	7 2	6 7	7 0	7	7 4		7 4	7 0
Sep- 956	7	7 3	6 8	7	7	7 5		7 6	7
Dec- 956	7	7 3	6 8	7	7 2	7 6		7 7	7
Ma - 957	7	7 2	6 8	7 0	7 2	7 6		7 7	7
un- 957	7	7 3	6 9	7	7 3	7 6		7 7	7 2
Sep- 957	7 2	7 3	6 9	7	7 3	7 6		7 7	7 2
Dec- 957	7 2	7 3	6 9	7	7 2	7 6		7 7	7 2
Ma - 958	7 3	7 3	7 0	7	7 2	7 6		7 7	7 2
un- 958	7 3	7 3	7 0	7	7 3	7 6		7 8	7 2
Sep- 958	7 2	7 3	7	7 2	7 3	7 6		7 7	7 2
Dec- 958	7 3	7 5	7 2	7 2	7 3	7 7		7 8	7 3
Ma - 959	7 3	7 5	7 2	7 3	7 4	7 7		7 8	7 3
un- 959	7 3	7 5	7 2	7 3	7 4	7 7		7 9	7 3
Sep- 959	7 3	7 6	7 3	7 4	7 4	7 7		7 9	7 4
Dec- 959	7 4	7 6	7 4	7 4	7 4	7 7		7 9	7 5
Ma - 960	7 4	7 7	7 4	7 5	7 5	7 8		8 0	7 5
un- 960	7 5	7 9	7 4	7 6	7 6	7 9		8 0	7 6
Sep- 960	7 6	8 0	7 5	7 7	7 7	8		8 2	7 7
Dec- 960	7 7	8 0	7 6	7 8	7 7	8 2		8 2	7 8
Ma - 96	7 7	8 0	7 7	7 8	7 8	8 3		8 2	7 8
un- 96	7 8	8	7 7	7 9	7 9	8 3		8 3	7 9
Sep- 96	7 7	8	7 7	7 8	7 8	8 4		8 3	7 8
Dec- 96	7 7	8	7 7	7 8	7 7	8 3		8 4	7 8
Ma - 962	7 7	8 0	7 8	7 7	7 8	8 3		8 3	7 8
un- 962	7 7	8 0	7 8	7 7	7 8	8 3		8 3	7 8
Sep- 962	7 7	8 0	7 8	7 7	7 8	8 3		8 3	7 8
Dec- 962	7 8	8 0	7 8	7 7	7 8	8 3		8 4	7 8
Ma - 963	7 8	8 0	7 8	7 7	7 9	8 3		8 3	7 8
un- 963	7 8	8	7 8	7 8	7 9	8 3		8 3	7 8
Sep- 963	7 8	8	7 8	7 8	7 9	8 3		8 4	7 9
Dec- 963	7 8	8	7 8	7 8	7 9	8 4		8 4	7 9
Ma - 964	7 8	8	7 9	7 8	8 0	8 4		8 4	8 0
un- 964	7 9	8 2	8 0	8 0	8 0	8 4		8 4	8 0
Sep- 964	8 0	8 2	8	8	8	8 5		8 5	8
Dec- 964	8	8 4	8	8 2	8	8 6		8 7	8 2
Ma - 965	8	8 5	8 2	8 2	8 2	8 6		8 7	8 2
un- 965	8 2	8 6	8 3	8 2	8 3	8 8		8 8	8 3
Sep- 965	8 3	8 6	8 4	8 3	8 4	8 9		8 8	8 4
Dec- 965	8 4	8 8	8 5	8 4	8 4	9 0		8 9	8 5
Ma - 966	8 4	8 8	8 6	8 4	8 5	8 9		8 9	8 6
un- 966	8 4	8 8	8 7	8 6	8 7	9 0		8 9	8 6
Sep- 966	8 5	8 9	8 7	8 6	8 7	9 0		9 0	8 6
Dec- 966	8 5	8 9	8 8	8 7	8 8	9 0		9 0	8 7
Ma - 967	8 6	9 0	8 8	8 7	8 9	9 2		9	8 8
un- 967	8 7	9 2	8 9	8 8	9 0	9 3		9 2	8 9
Sep- 967	8 8	9 3	9 0	8 9	9 0	9 5		9 3	9 0
Dec- 967	8 8	9 3	9 0	8 9	9	9 6		9 3	9 0
Ma - 968	8 9	9 3	9	8 9	9	9 5		9 3	9
un- 968	8 9	9 4	9	9 0	9 2	9 5		9 4	9
Sep- 968	8 9	9 4	9 2	9 0	9 2	9 6		9 4	9 2
Dec- 968	9	9 5	9 2	9	9 2	9 7		9 4	9 2
Ma - 969	9 2	9 5	9 3	9 2	9 4	9 7		9 5	9 4
un- 969	9 2	9 6	9 4	9 2	9 5	9 8		9 5	9 4
Sep- 969	9 3	9 7	9 4	9 3	9 5	9 8		9 6	9 5
Dec- 969	9 4	9 7	9 5	9 3	9 6	9 9		9 7	9 5
Ma - 970	9 5	9 8	9 6	9 4	9 7	9 9		9 8	9 6
un- 970	9 7	9 9	9 6	9 5	9 9	0 0		9 9	9 7
Sep- 970	9 7	9 9	9 7	9 5	9 9	0 0		0 0	9 8
Dec- 970	9 9	0	0 0	9 7	0 0	0 3		0 3	0 0
Ma - 97	0	0 2	0	9 8	0	0 3		0 3	0
un- 97	0 3	0 3	0 3	0 0	0 3	0 5		0 5	0 2
Sep- 97	0 6	0 5	0 4	0	0 4	0 7		0 7	0 5
Dec- 97	0 8	0 7	0 7	0 3	0 6	0		0 8	0 7
Ma - 972	0 9	0 8	0 8	0 4	0 8			0 9	0 8
un- 972		0	0 9	0 5	0 9			0	0 9
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Dec- 973	2 8	2 7	2 7	2 3	2 3	2 9		2 8	2 6
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Sep- 975	6	5 9	5 7	5 5	5 6	6		5 7	5 9
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Sep- 976	8	8 2	8 0	7 9	8 2	8 7		8 4	8
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Dec- 977	20 7	2 2	20 7	20 9	2 5	2 7		2	2 0
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Dec- 978	22 4	22 8	22 6	22 3	23 0	23 2		22 6	22 6
Ma - 979	22 8	23 2	22 8	22 7	23 3	23 7		23 0	23 0
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Sep- 982	32 7	32 8	32 0	32	32 8	33	35 3	32 9	32 6
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Ma - 983	34 4	34 4	33 9	33 9	34 2	35 0	37	34 9	34 3
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Ma - 984	36	36 8	35 9	36 0	36 2	37 0	39 0	36 9	36 3
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Ma - 985	37 6	38 4	37 6	37 7	37 8	38 8	40 3	38 7	37 9
un- 985	38 4	39 5	38 3	38 7	38 7	39 7	4 2	39 6	38 8
Sep- 985	39 3	40 3	39 3	39 5	39 4	40 7	42 6	40 5	39 7
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Ma - 986	4	42	4 0	4 0	4 0	42 2	43 9	42 3	4 4
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Sep- 986	42 8	43 9	42 5	43 0	43	44 2	45 6	43 9	43 2
Dec- 986	44	45 2	43 6	44	44 4	45 7	47 2	45 0	44 4
Ma - 987	45 0	46 0	44 5	44 9	45 2	46 6	48 0	45 8	45 3
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Dec- 988	5 6	5 7	49 9	50 3	5	5 9	52 8	5 3	5 2
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Sep- 989	54 4	55 0	52 8	53 2	54 0	54 8	55 2	53 9	54 2
Dec- 989	55 4	56 0	53 7	54 0	55	55 8	56 2	55	55 2
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Dec- 990	58 9	60 2	57 0	58 2	59 2	59 2	60 2	58 8	59 0
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Dec- 992	60 0	6	58 5	60 3	59	60 6	6 7	60 5	60
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Sep- 994	62 0	63 4	60 9	62 6	6 3	63 6	63 9	62 5	62 3
Dec- 994	62 4	63 9	6 5	63 2	6 8	64	64 3	63 2	62 8
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Dec- 995	66	66 9	64 2	66 0	64 8	66 9	67 4	66 6	66 0
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Ma - 998	67 4	67 6	65 9	66 3	65 7	68 2	68 7	66 9	67 0
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Ma -200	74 8	74 7	7 8	73 0	72 2	74 2	73 9	73 3	73 9
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Sep 200	75 6	75 5	72 6	73 7	73 3	74 6	74 9	74 0	74 7
Dec 200	76 3	76	73 5	74 4	73 9	75 2	75 5	74 9	75 4
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Sep 2002	77 9	77 9	75 3	76 4	75 7	77 2	76 6	76 6	77
Dec 2002	78 4	78 5	75 7	77	76 0	77 5	77 0	77 3	77 6
Ma -2003	79 4	79 6	76 7	78 7	76 6	78 6	77 7	78	78 6
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Sep 2003	79 5	80	77 5	79 2	77 2	79 2	77 9	78 8	79
Dec 2003	80 2	80 3	78 0	79 6	77 5	79 7	78 3	79 3	79 5
Ma -2004	80 9	8	78 7	80 4	77 8	80 3	78 6	79 9	80 2
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Sep 2004	8 6	8 5	79 4	8 2	79	8 4	79 6	80 8	80 9
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Dec 2005	84 3	84 3	82 3	83 9	83 0	84 8	82 2	83 7	83 8
Ma -2006	85 0	85 0	83 0	84 7	83 8	85 4	82 9	84 5	84 5
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Sep 2006	87 2	86 8	85 2	86 8	86 3	87	85 8	86 6	86 7
Dec 2006	87 0	86 7	85	86 5	86 6	86 8	86 3	86 4	86 6
Ma -2007	86 9	86 9	85 5	86 3	86 8	87 3	86 3	86 5	86 6
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Sep 2007	88 3	88 6	87 5	88 0	88 6	88 6	88 5	88 4	88 3
Dec 2007	89	89 5	88 4	88 9	89 3	89 4	88 8	89 2	89
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Ma -2009	92 5	92 6	92 4	92 2	92 5	92 5	92 2	92 9	92 5
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Dec 2009	94 4	94 0	94 5	94	94 5	94 7	94 9	94 7	94 3
Ma -20 0	95 2	95 2	95 2	94 6	95 6	95 4	95 4	95 3	95 2
un-20 0	95 6	95 8	95 9	95 3	96 5	95 8	96 2	95 6	95 8
Sep 20 0	96 3	96 3	96 9	96 2	96 9	96 8	97 2	96 3	96 5
Dec 20 0	96 7	96 9	97 4	96 5	97 0	96 9	97	96 7	96 9
Ma -20	98 2	98 5	98 6	98	98	98 2	98 2	98	98 3
un-20	99 2	99 2	99 6	99 0	99 4	99	99 2	99 2	99 2
Sep 20	99 9	99 8	99 9	00 0	99 6	99 9	99 9	99 8	99 8
Dec 20	99 8	99 9	99 7	00 0	99 8	00 0	99 5	00	99 8
Ma -20 2	99 9	99 9	99 9	99 9	00 0	00 3	99 9	99 7	99 9
un-20 2	00 5	00 4	00 5	00 2	00 5	99 9	00 7	00 3	00 4
Sep 20 2	02 2	0 6	0 6	0 7	0 6	00 6	02 0	0 4	0 8
Dec 20 2	02 3	02 0	0 9	02	0 9	0 0	02 0	0 8	02 0
Ma -20 3	02 7	02 4	02 0	02	02 4	0 3	03 7	0 9	02 4
un-20 3	03	02 6	02 5	02 3	03 0	0 7	04 6	02 5	02 8
Sep 20 3	04 3	04 0	03 8	03 7	04 2	02 6	05 5	03	04 0
Dec 20 3	05 0	04 8	04 6	04 4	04 9	03 6	06 5	04	04 8
Ma -20 4	05 6	05 3	05 2	05	05 6	04	07 4	04 6	05 4
un-20 4	06 0	05 9	05 8	05 5	06 4	04 5	08	04 8	05 9
Sep 20 4	06 6	06	06 5	05 9	06 9	04 6	08 3	05 2	06 4
Dec 20 4	06 8	06 3	06 7	06 2	07 0	04 7	08 5	05 3	06 6
Ma -20 5	07 3	06 4	06 7	06 3	07	05 0	08 3	05 2	06 8
un-20 5	08 3	07	07 4	06 8	07 7	05	08 3	05 6	07 5
Sep 20 5	08 6	07 6	08	07	08	05 7	08 7	05 8	08 0
Dec 20 5	08 9	08 3	08 5	07 3	08 6	06 6	09 0	06 0	08 4
Ma -20 6	08 7	08 2	08 5	07 0	07 9	06 4	08 0	06 2	08 2
un-20 6	09 3	08 6	09 0	07 5	08 2	06 4	08 3	06 4	08 6
Sep 20 6	0 4	09	09 7	08 4	08 6	07	08 7	07 3	09 4
Dec 20 6	0 9	09 9	0 2	08 7	09 0	08 0	08 6	07 9	0 0
Ma -20 7	3	0 9	0 5	09	09 0	08 9	08 5	08 6	0 5
un-20 7	7	0	0	09 2	09 0	08 9	08 8	08 6	0 7
Sep 20 7	2 5	5	4	0 4	09 5	09 2	09 4	09 6	4
Dec 20 7	3 3	2 3	2 3	2	09 9	0 3	09 7	0 3	2
Ma -20 8	3 6	3 3	2 4	6	0 0		09 7	2	2 6

	e centage Change om Co esponding Qua te o evious ea All g oups C I Sydney	e cen age Change om Co esponding Qua e o ev ous ea All g oups C I Me bou ne	e centage Change om Co espond ng Qua te o ev ous ea A l g oups C I B isbane	e centage Change om Co espond ng Qua te o evious ea A l g oups C I Adela de	e centage Change om Co esponding Qua te o ev ous ea All g oups C I e h	e cen age Change om Co esponding Qua e o ev ous ea All g oups C I Hoba t	e centage Change om Co espond ng Qua te o evious ea A l g oups C I Da win	e centage Change om Co esponding Qua te o evious ea A l g oups C I Canbe a	e cen age Change om Co esponding Qua e o ev ous ea All g oups C I Aust al a
	e cent	e cent	e cent	e cent	e cent	e cent	e cent	e cent	e cent
e es T e	O g nal	O g nal	O iginal	O ig nal	O g nal	O ginal	O iginal	O ig nal	O g nal
a a T e	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN
e e	Qua te	Qua te	Qua te	Qua e	Qua te	Qua te	Qua e	Qua e	Qua te
e M	3	3	3	3	3	3	3	3	3
e es a	Sep- 949	Sep- 949	Sep- 949	Sep- 949	Sep- 949	Sep- 949	Sep- 98	Sep- 949	Sep- 949
e es	Ma -20 8	Ma -20 8	Ma 20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma -20 8
s	275	275	275	275	275	275	47	275	275
e es	A2325807	A23258 2	A23258 7	A2325822K	A2325827W	A2325832R	A2325837A	A2325842V	A2325847
Sep- 948									
Dec- 948									
Ma - 949									
un- 949									
Sep- 949	8	7 9	8	7 9	0 8	7 9		0 3	0 8
Dec- 949	0 8	0 5	0 8	5	0 5	7 7		4 9	7 9
Ma - 950	5	0 3	7 9	5 0	7 7	5 0		7 3	7 7
un- 950	0 3	0 0	7 7	0 0	0 0	4 9		9 5	7 5
Sep- 950	0 0	9 8	7 5	7 3	9 8	7 3		9 3	7 3
Dec- 950	2 2	9 5	7 3	2 2	9 5	7		6	2 2
Ma - 95	4 6	4 0	4 6	4 3	4 3	4 3		5 9	4 3
un- 95	8 6	5 9	6 7	5 9	5 9	20 9		7 4	8 6
Sep- 95	22 7	20 0	8 6	22 7	20 0	22 7		2 3	20 5
Dec- 95	23 9	26	27 3	23 9	23 9	28 9		25 0	23 9
Ma - 952	25 5	20 4	23 4	22 9	25 0	25 0		2 6	22 9
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Sep- 952	4 8	6 7	9 6	6 7	8 5	6 7		7 5	7 0
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Sep- 955	6	4 7	6	5	5	4 5		4 3	5
Dec- 955	3	6 3	3 2	3	3 0	6 0		2 9	3
Ma - 956	5	6 2	3 2	3 0	3 0	5 9		4 3	3
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Sep- 956	9 2	9 0	7 9	7 6	4 4	7		5 6	7 6
Dec- 956	7 6	7 4	6 3	6 0	4 3	7 0		6 9	6 0
Ma - 957	7 6	4 3	4 6	2 9	4 3	5 6		5 5	6 0
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Sep- 957	4	0 0	5	0 0	2 8	3		3	4
Dec- 957	4	0 0	5	0 0	0 0	0 0		0 0	4
Ma - 958	2 8	4	2 9	4	0 0	0 0		0 0	4
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Sep- 958	0 0	0 0	2 9	4	0 0	0 0		0 0	0 0
Dec- 958	4	2 7	4 3	4	4	3		3	4
Ma - 959	0 0	2 7	2 9	2 8	2 8	3		3	4
un- 959	0 0	2 7	2 9	2 8	4	3		3	4
Sep- 959	4	4	2 8	2 8	4	3		2 6	2 8
Dec- 959	4	3	2 8	2 8	4	0 0		3	2 7
Ma - 960	4	2 7	2 8	2 7	4	3		2 6	2 7
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Dec- 960	4	5 3	2 7	5 4	4	6 5		3 8	4 0
Ma - 96	4	3 9	4	4 0	4 0	6 4		2 5	4 0
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Sep- 96	3	3	2 7	3	3	3 7		2	3
Dec- 96	0 0	3	3	0 0	0 0	2		2 4	0 0
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un- 962	- 3	- 2	3	-2 5	- 3	0 0		0 0	- 3
Sep- 962	0 0	- 2	3	- 3	0 0	- 2		0 0	0 0
Dec- 962	3	- 2	3	- 3	3	0 0		0 0	0 0
Ma - 963	3	0 0	0 0	0 0	3	0 0		0 0	0 0
un- 963	3	3	0 0	3	3	0 0		0 0	0 0
Sep- 963	3	3	0 0	3	3	0 0		2	3
Dec- 963	0 0	3	0 0	3	3	2		0 0	3
Ma - 964	0 0	3	3	3	3	2		2	2 6
un- 964	3	2	2 6	2 6	3	2		2	2 6
Sep- 964	2 6	2	3 8	3 8	2 5	2 4		2	2 5
Dec- 964	3 8	3 7	3 8	5	2 5	2 4		3 6	3 8
Ma - 965	3 8	4 9	3 8	5	2 5	2 4		3 6	2 5
un- 965	3 8	4 9	3 8	2 5	3 8	4 8		4 8	3 8
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Dec- 965	3 7	4 8	4 9	2 4	3 7	4 7		2 3	3 7
Ma - 966	3 7	3 5	4 9	2 4	3 7	3 5		2 3	4 9
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Sep- 966	2 4	3 5	3 6	3 6	3 6			2 3	2 4
Dec- 966	2		3 5	3 6	4 8	0 0			2 4
Ma - 967	2 4	2 3	2 3	3 6	4 7	3 4		2 2	2 3
un- 967	3 6	4 5	2 3	2 3	3 4	3 3		3 4	3 5
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Ma - 968	3 5	3 3	3 4	2 3	2 2	3 3		2 2	3 4
un- 968	2 3	2 2	2 2	2 3	2 2	2 2		2 2	2 2
Sep- 968			2 2		2 2				2 2
Dec- 968	3 4	2 2	2 2	2 2		0			2 2
Ma - 969	3 4	2 2	2 2	3 4	3 3	2		2 2	3 3
un- 969	3 4	2	3 3	2 2	3 3	3 2			3 3
Sep- 969	4 5	3 2	2 2	3 3	3 3	2		2	3 3
Dec- 969	3 3	2	3 3	2 2	4 3	2		3 2	3 3
Ma - 970	3 3	3 2	3 2	2 2	3 2	2		3 2	2
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Dec- 970	5 3	4	5 3	4 3	4 2	4 0		6 2	5 3
Ma - 97	6 3	4	5 2	4 3	4	4 0		5	5 2
un- 97	6 2	4 0	7 3	5 3	4 0	5 0		6	5 2
Sep- 97	9 3	6	7 2	6 3	5	7 0		7 0	7
Dec- 97	9	5 9	7 0	6 2	6 0	6 8		4 9	7 0
Ma - 972	7 9	5 9	6 9	6	6 9	7 8		5 8	6 9
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Dec- 972	4 6	4 7	3 7	4 9	4 7	3 6		4 6	4 7
Ma - 973	6 4	6 5	5 6	5 8	4 6	4 5		5 5	5 6
un- 973	7 2	8 2	7 3	8 6	6 4	8		8 2	8 3
Sep- 973	9 8	0 8	9	0 3	8 2	8 8		9 8	9 9
Dec- 973	3 3	3 4	4 4	3 9	0 8	3 2		3 3	2 5
Ma - 974	2 9	3 0	4 0	4 5	0 6	2 9		4 8	4 0
un- 974	4 3	4 3	4 5	5 8	2	4 2		4 3	4 4
Sep- 974	7	6 3	6 4	6 9	4 3	7		6 3	6 4
Dec- 974	6 4	5 7	5 0	7	7	7		5 6	6 7
Ma - 975	6 8	8 5	5 4	9 8	20 0	7 6		4 4	7 7
un- 975	6 9	6 9	4 9	8 2	20 0	6		6 2	7 0
Sep- 975	8	2	0 6	2 3	4 7	8		9 8	2 0
Dec- 975	3 4	5 0	4 4	3 2	4 6	4 6		4 9	4 3
Ma - 976	3 7	2 3	4 0	9	4 0	4 9		5 2	3
un- 976	9	9	4 3	5	3 5	5		3 9	2 0
Sep- 976	2 4	4 5	4 6	5 5	6 7	6		7 2	3 8
Dec- 976	3 0	4 2	4 4	7 2	7 0	4 5		4	4 3
Ma - 977	2	4 5	4 0	5 4	5 8	4		3 2	3 3
un- 977	8	4 6	3	4 4	4	3			3 6
Sep- 977	2 2	4 3	2 8	4 0	3 7	3 4		0 9	3 3
Dec- 977	8 4	9 8	8 4	9 4	4	9 6		8 8	9 4
Ma - 978	7 7	8 6	8 2	8 2	9 6	8 9		8	8 7
un- 978	7 5	7 8	8 0	8 0	9 4	8 2		8 0	8 0
Sep- 978	7 9	7 7	7 9	7 8	8 7	7		8 3	7 8
Dec- 978	8 2	7 5	9 2	6 7	7 0	6 9		7	7 6
Ma - 979	8 6	7 9	8	7 6	7 4	7 7		8 0	8 0
un- 979	9 8	8 2	8 4	8 4	8 6	8 9		9 7	8 8
Sep- 979	0 0	9 4	8 7	7 7	8 4	0		0 0	9 5
Dec- 979	0 3	0	8 8	0 3	9 6	0 8		0 2	0 2
Ma - 980	4	9 9	0 5	0 6	0 3	0 5		3	0 4
un- 980		0 5	0 7	0 7	9 6	9 8		0	0
Sep- 980	0 4	9 4	0	0	0 2	0 0		0 3	9 9
Dec- 980	9 7	9 2	8 9	8 5	8 3	8 9		0 0	9 2
Ma - 98	9 8	9 8	8 7	9 2	8 6	9 2		9 4	9 4
un- 98	8 8	8 7	8 9	8 9	8 4	9 0		9	8 4
Sep- 98	8 6	9 3	9 9	0 0	9 3	8 7	8 7	9 3	9 0
Dec- 98		7	6	6	2 5	0 7	2 2	3	0
Ma - 982	0 0	0 7	7	0 2		0	6	0 7	0 8
un- 982	3	0 8	0 3	0 3	0 9	9 9	8		0 9
Sep- 982	3	9		8	6	0 7	2 8	2 3	2 4
Dec- 982	2 0	0	0 7	0 7	9 8	0 3	0 0	2	3
Ma - 983	2	0	0 8	2 3	0 3		0 4	2 6	4
un- 983		7	0 6	2 3	0	0 9	0 5	3	
Sep- 983	8 6	9 5	9 7	0 0	9	9	8 5	9 4	9 2
Dec- 983	7 4	9 8	8 2	9	8 3	7 9	6 6	7 9	8 6
Ma - 984	4 9	7 0	5 9	6 2	5 8	5 7	5	5 7	5 8
un- 984	2 8	4 2	5 5	3 7	4 0	3 9	3 2	4 2	4 0
Sep- 984	2 8	4 5	4 6	3	2 8	3 6	3	4 2	3 7
Dec- 984	2 5	2 4	3 6	3 3	9	3 5	2 8	3 3	2 5
Ma - 985	4 2	4 3	4 7	4 7	4 4	4 9	3 3	4 9	4 4
un- 985	6 4	7 0	5 8	7 2	6 9	7 3	5 6	7 0	6 6
Sep- 985	7 7	7 5	7	8 5	7	8 8	7 8	8 0	7 6
Dec- 985	8 4	8 2	7 8	8 6	8 3	8 6	8 0	8 7	8 3
Ma - 986	9 3	9 6	9 0	8 8	8 5	8 8	8 9	9 3	9 2
un- 986	8 9	8 4	8	8 0	7 8	8 6	7 8	8 6	8 5
Sep- 986	8 9	8 9	8	8 9	9 4	8 6	7 0	8 4	8 8
Dec- 986	9 7	0 2	9 0	9 2	0 2	0	9 5	8 7	9 6
Ma - 987	9 5	9 3	8 5	9 5	0 2	0 4	9 3	8 3	9 4
un- 987	9 3	9 3	8 9	9	0 3	0 0	9 9	8	9 3
Sep- 987	8 6	8 4	7 5	7 2	8 4	9 0	8 8	7 3	8 3
Dec- 987	7 0	7	6 9	6 8	7 0	7 2	6 8	6 7	7 2
Ma - 988	7 3	6 7	6 5	6 2	6 6	6 9	6 5	6 8	6 8
un- 988	7 2	7	7	6 4	6 7	6 5	6 4	7	7 2
Sep- 988	8 2	6 7	7 2	7 4	7 3	6 0	5 2	7 0	7 3
Dec- 988	9 3	6 8	7	6 8	7 6	5 9	4 7	6 9	7 6
Ma - 989	7 0	6 7	6 8	7 5	7	6 2	4 7	6	6 8
un- 989	8 0	7 4	7 2	7 8	7 5	6 7	4 8	6 6	7 5
Sep- 989	8 2	8 3	7 8	7 5	7 8	7 2	5 7	6 9	8 0
Dec- 989	7 4	8 3	7 6	7 4	7 8	7 5	6 4	7 4	7 8
Ma - 990	8 9	8 6	7 7	6 8	9 3	7 2	6 4	8 3	8 7
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Sep- 990	5 9	6 4	5 3	6 2	7 0	5 5	6 0	6	6
Dec- 990	6 3	7 5	6	7 8	7 4	6	7	6 7	6 9
Ma - 99	4 8	5 3	5 0	6 0	3 9	4 2	5 4	4 3	4 8
un- 99	3 0	4 0	3 4	4 7	2 3	3 8	4	3 2	3 3
Sep- 99	2 8	3 9	3 2	4	9	3 6	3 2	3 8	3
Dec- 99	5	7	8	9	-0 2	9	7	9	5
Ma - 992	4	2 2	6	2 6	0 9	2 0	2 0	2 6	7
un- 992	0	3	2	2	0 3	2	7	2 2	2
Sep- 992	0 8	0 3	0 7	2 0	-0 2	0 8	2 0	5	0 8
Dec- 992	0 3	-0 2	0 9	7	0 0	0 5	0 8	0	0 3
Ma - 993	0		5	2 0	0 3	5	5	7	2
un- 993	7	8	2 4	2 7	2	2 2	5	2 2	8
Sep- 993	7	2 3	2 8	2 3	2 2	3	5	2 2	2 2
Dec- 993	3	2 5	9	8	2 4	3 3	2 4	2	8
Ma - 994	0 8	5	5	8	2 0	2 6	4		5
un- 994	5	8	7	8	2 2	2 8	2	6	8
Sep- 994	2	6	2 5	2 0	2 0	2	2 2	5	2 0
Dec- 994	2 6	2	3 2	2 9	2	2 4	7	2 3	2 6
Ma - 995	4 3	3 5	4 5	3 7	4	3 8	3 5	4 4	3 7
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Sep- 995	5 6	4 7	4 8	4 5	5	4 6	4 4	5 8	5
Dec- 995	5 9	4 7	4 4	4 4	4 9	4 4	4 8	5 4	5
Ma - 996	4 7	2 8	3 4	3	3 5	3 4	3 8	3 9	3 8
un- 996	4 0	2 6	3 0	2 8	2 7	3 0	3 5	3 2	3
Sep- 996	2 4	8	2 2	8	2 3	2 3	3	2 0	2
Dec- 996	7	2	7	2	9	8	2	2	5
Ma - 997	2	5	5	0 9		5	6	0 6	4
un- 997	0	0 6	0 6	-0 2	0 2	0 6	0 6	-0 9	0 3
Sep- 997	-0 3	-0	0 2	-0 9	-0 6	-0 4	-0 6	- 3	-0 4
Dec- 997	-0	0 0	0 6	- 2	-0 8	-0	-0 7	- 3	-0 3
Ma - 998	0	-0 3	0 3	-0 7	-0 3	-0 3	-0	-0 7	-0
un- 998	0	0 4		0 5	0 6	0 6	0 3	0 7	0 7
Sep- 998	6	0 7	5	5	8	8	0	2	4
Dec- 998	9	0 9	2	2 0	2 3	3	5	5	5
Ma - 999	5	0	0 8	0 8	5	0 6	0 4	0 7	2
un- 999	3	0 9	0 6	0 9	7	0 4	0 7	0	0
Sep- 999	9	9	2	6	8	0 4	0 6	0	8
Dec- 999	9	2 0	0 9	8	9	0	0 9	6	9
Ma -2000	2 8	3 2	2 3	3 4	2 8	2 5	9	2 8	2 8
un-2000	3 2	3 4	2 6	3 3	2 7	3 2	2 4	3 7	3
Sep 2000	6	6 2	5 8	5 9	5 4	6 5	5 8	6 6	6
Dec 2000	5 9	6 0	6	5 4	5	5 9	5 7	6	5 8
Ma -200	6 4	6 0	5 7	5 6	5 2	5 5	5	5 8	6 0
un-200	6 3	5 9	6	5 9	5 9	5 5	5	5 9	6
Sep 200	2 9	2 6	2 3	2 2	2 4	2	9	2	2 5
Dec 200	3 4	3 0	3 2	3 0	2 9	2 0	2 2	2 9	3
Ma -2002	2 9	2 9	3 3	2 7	3 2	2 3	2 4	2 7	3 0
un-2002	2 8	2 9	3 0	2 9	2 5	2 7	2	3 0	2 8
Sep 2002	3 0	3 2	3 7	3 7	3 3	3 5	2 3	3 5	3 2
Dec 2002	2 8	3 2	3 0	3 6	2 8	3	2 0	3 2	2 9
Ma -2003	3	3 5	3 4	4 9	2 8	3 6	2 6	3 7	3 3
un-2003	2 5	3 0	2 7	3 8	2 0	2 9	2 2	2 5	2 6
Sep 2003	2	2 8	2 9	3 7	2 0	2 6	7	2 9	2 6
Dec 2003	2 3	2 3	3 0	3 2	2 0	2 8	7	2 6	2 4
Ma -2004	9	9	2 6	2 2	6	2 2	2	2 3	2 0
un-2004	2 3	2	3	2 9	2 7	2 4	2	2 9	2 5
Sep 2004	2 6	7	2 5	2 5	2 5	2 8	2 2	2 5	2 3
Dec 2004	2 6	2 2	2 6	2 6	3 0	3 4	9	2 4	2 5
Ma -2005	2 2	2 0	2 5	2 2	3 3	3 5	2 0	2	2 4
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Sep 2005	2 9	2 9	2 8	3 0	4 2	3 6	2 8	2 8	3
Dec 2005	2 4	2 7	2 9	2 7	4 0	2 9	3 0	3	2 8
Ma -2006	2 8	2 8	2 9	3 0	4 2	2 8	3 4	3 6	2 9
un-2006	3 8	3 9	4 2	3 7	4 8	3 5	4 3	4 8	4 0
Sep 2006	3 8	3 5	4 4	3 8	4 7	3 3	4 9	4 2	4 0
Dec 2006	3 2	2 8	3 4	3	4 3	2 4	5 0	3 2	3 3
Ma -2007	2 2	2 2	3 0	9	3 6	2 2	4	2 4	2 5
un-2007	7	2 0	2 6	7	3 0	2 3	3 7	2 0	2
Sep 2007	3	2	2 7	4	2 7	7	3	2	8
Dec 2007	2 4	3 2	3 9	2 8	3	3 0	2 9	3 2	2 9
Ma -2008	3 9	4 4	4 8	4 4	4 3	3 7	3 8	4 6	4 3
un-2008	4 3	4 4	5	4 6	4 5	3 5	3 9	4 4	4 4
Sep 2008	5 0	4 9	5 6	5	4 9	4 4	4 5	5 2	5 0
Dec 2008	3 7	3	4 3	3 7	3 7	3 2	3 7	3 8	3 7
Ma -2009	2 4	2	3	2 3	2 2	2 2	2 9	2 7	2 4
un-2009	3	2	2 0	5	4	6	2 5	2	4
Sep 2009	3	0 5	9	3	2	7	2 7	4	2
Dec 2009	2 2	8	2 5	2	2	2 6	3 0	2 3	2
Ma -20 0	2 9	2 8	3 0	2 6	3 4	3	3 5	2 6	2 9
un-20 0	2 9	3	3 2	2 8	3 4	3 0	3 2	2 2	3
Sep 20 0	2 6	3	2 9	2 7	3	2 9	2 3	2	2 9
Dec 20 0	2 4	3	3	2 6	2 6	2 3	2 3	2	2 8
Ma -20	3 2	3 5	3 6	3 7	2 6	2 9	2 9	2 9	3 3
un-20	3 8	3 5	3 9	3 9	3 0	3 4	3	3 8	3 5
Sep 20	3 7	3 6	3	4 0	2 8	3 2	2 8	3 6	3 4
Dec 20	3 2	3	2 4	3 6	2 9	3 2	2 5	3 5	3 0
Ma -20 2	7	4	3	8	9	2	7	6	6
un-20 2	3	2	0 9	2		0 8	5		2
Sep 20 2	2 3	8	7	7	2 0	0 7	2		2 0
Dec 20 2	2 5	2	2 2	2	2	0	2 5	7	2 2
Ma -20 3	2 8	2 5	2	2 2	2 4	0	3 8	2 2	2 5
un-20 3	2 6	2 2	2 0	2	2 5	8	3 9	2 2	2 4
Sep 20 3	2	2 4	2 2	2 0	2 6	2 0	3 4	7	2 2
Dec 20 3	2 6	2 7	2 6	2 3	2 9	2 6	4 4	2 3	2 7
Ma -20 4	2 8	2 8	3	2 9	3	2 8	3 6	2 6	2 9
un-20 4	2 8	3 2	3 2	3	3 3	2 8	3 3	2 2	3 0
Sep 20 4	2 2	2 0	2 6	2	2 6	9	2 7	2 0	2 3
Dec 20 4	7	4	2 0	7	2 0		9	2	7
Ma -20 5	6	0	4		4	0 9	0 8	0 6	3
un-20 5	2 2		5	2	2	0 6	0 2	0 8	5
Sep 20 5	9	4	5				0 4	0 6	5
Dec 20 5	2 0	9	7	0	5	8	0 5	0 7	7
Ma -20 6	3	7	7	0 7	0 7	3	-0 3	0	3
un-20 6	0 9	4	5	0 7	0 5	2	0 0	0 8	0
Sep 20 6	7	4	5	2	0 5	3	0 0	4	3
Dec 20 6	8	5	6	3	0 4	3	-0 4	8	5
Ma -20 7	2 4	2 5	8	2 0	0	2 3	0 5	2 3	2
un-20 7	2 2	2 2	8	6	0 7	2 3	0 5	2	9
Sep 20 7	9	2 2	5	8	0 8	2 0	0 6	2	8
Dec 20 7	2 2	2 2	9	2 3	0 8	2	0	2 2	9
Ma -20 8	2	2 2	7	2 3	0 9	2 0		2 4	9

	e cen age Change om ev ous e iod A l g oups C I Sydney	e centage Change om evious e iod A l g oups C I Melbou ne	e centage Change om evious e od All g oups C I B sbane	e cen age Change om ev ous e od All g oups C I Ade a de	e centage Change om ev ous e iod A l g oups C I e h	e centage Change om evious e iod All g oups C I Hoba t	e centage Change om evious e od All g oups C I Da w n	e cen age Change om ev ous e od A l g oups C I Canbe a	e centage Change om evious e iod A l g oups C I Aust a ia
	e cent	e cent	e cent	e cent	e cent	e cent	e cent	e cent	e cent
e es T e	O iginal	O iginal	O g nal	O ginal	O iginal	O ig nal	O g nal	O iginal	O iginal
a a T e	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN	ERCEN
e e	Qua te	Qua e	Qua te	Qua te	Qua te	Qua e	Qua te	Qua te	Qua e
e M	3	3	3	3	3	3	3	3	3
e es a	Dec- 948	Dec- 948	Dec- 948	Dec- 948	Dec- 948	Dec- 948	Dec- 980	Dec- 948	Dec- 948
e es	Ma 20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma -20 8	Ma 20 8	Ma -20 8
s	278	278	278	278	278	278	50	278	278
e es	A23258 0A	A23258 5	A2325820	A2325825	A2325830K	A2325835W	A2325840R	A2325845A	A2325850V
Sep- 948									
Dec- 948	0 0	0 0	0 0	2 6	2 7	2 6		5	2 7
Ma - 949	5 4	2 6	2 7	2 6	2 6	2 6		0 0	2 6
un- 949	0 0	2 6	2 6	0 0	2 6	2 5		2 4	2 6
Sep- 949	2 6	2 5	2 6	2 5	2 5	0 0		2 4	2 5
Dec- 949	2 5	2 4	2 5	0 0	2 4	2 4		0 0	0 0
Ma - 950	0 0	2 4	0 0	2 4	0 0	0 0		2 3	2 4
un- 950	4 9	2 3	2 4	4 8	4 8	2 4		4 5	2 4
Sep- 950	2 3	2 3	2 4	0 0	2 3	2 3		2 2	2 3
Dec- 950	4 5	2 2	2 3	4 5	2 2	2 3		2	4 5
Ma - 95	2 2	6 5	6 8	4 3	4 3	6 7		6 3	4 3
un- 95	8 5	4	4 3	6 3	6 3	8 3		5 9	6 3
Sep- 95	5 9	5 9	4	5 9	5 9	3 8		5 6	3 9
Dec- 95	5 6	7 4	9 8	5 6	5 6	7 4		5 3	7 5
Ma - 952	3 5	7	3 6	3 5	5 3	3 4		3 3	3 5
un- 952	3 4	5	7	5	3 3	3 3		4 8	3 4
Sep- 952	6	6	3 4	6	3 2	6		3	6
Dec- 952	6	0 0	0 0	0 0	0 0	6		0 0	6
Ma - 953	0 0	6	0 0	6	6	6		5	0 0
un- 953	6	6	6	0 0	0 0	5		0 0	6
Sep- 953	0 0	0 0	0 0	6	5	3 0		5	6
Dec- 953	0 0	0 0	0 0	0 0	0 0	0 0		4	- 5
Ma - 954	0 0	0 0	0 0	0 0	0 0	0 0		- 4	6
un- 954	0 0	0 0	0 0	0 0	5	0 0		0 0	0 0
Sep- 954	0 0	- 5	0 0	0 0	0 0	- 5		0 0	0 0
Dec- 954	0 0	0 0	0 0	0 0	0 0	0 0		4	0 0
Ma - 955	6	6	6	5	0 0	5		0 0	0 0
un- 955	0 0	5	0 0	0 0	5	0 0		4	5
Sep- 955	0 0	5	0 0	0 0	0 0	2 9		4	0 0
Dec- 955	5	5	6	5	5	4		0 0	5
Ma - 956	0 0	5	6	5	0 0	4		4	0 0
un- 956	4 5	4 3	3	2 9	2 9	2 8		4	4 5
Sep- 956	2 9	4	5	4	0 0	4		2 7	4
Dec- 956	0 0	0 0	0 0	0 0	4	3		3	0 0
Ma - 957	0 0	- 4	0 0	- 4	0 0	0 0		0 0	0 0
un- 957	0 0	4	5	4	4	0 0		0 0	4
Sep- 957	4	0 0	0 0	0 0	0 0	0 0		0 0	0 0
Dec- 957	0 0	0 0	0 0	0 0	- 4	0 0		0 0	0 0
Ma - 958	4	0 0	4	0 0	0 0	0 0		0 0	0 0
un- 958	0 0	0 0	0 0	0 0	4	0 0		3	0 0
Sep- 958	- 4	0 0	4	4	0 0	0 0		- 3	0 0
Dec- 958	4	2 7	4	0 0	0 0	3		3	4
Ma - 959	0 0	0 0	0 0	4	4	0 0		0 0	0 0
un- 959	0 0	0 0	0 0	0 0	0 0	0 0		3	0 0
Sep- 959	0 0	3	4	4	0 0	0 0		0 0	4
Dec- 959	4	0 0	4	0 0	0 0	0 0		0 0	4
Ma - 960	0 0	3	0 0	4	4	3		3	0 0
un- 960	4	2 6	0 0	3	3	3		0 0	3
Sep- 960	3	3	4	3	3	2 5		2 5	3
Dec- 960	3	0 0	3	3	0 0	2		0 0	3
Ma - 96	0 0	0 0	3	0 0	3	2		0 0	0 0
un- 96	3	3	0 0	3	3	0 0		2	3
Sep- 96	- 3	0 0	0 0	- 3	- 3	2		0 0	- 3
Dec- 96	0 0	0 0	0 0	0 0	- 3	- 2		2	0 0
Ma - 962	0 0	- 2	3	- 3	3	0 0		- 2	0 0
un- 962	0 0	0 0	0 0	0 0	0 0	0 0		0 0	0 0
Sep- 962	0 0	0 0	0 0	0 0	0 0	0 0		0 0	0 0
Dec- 962	3	0 0	0 0	0 0	0 0	0 0		2	0 0
Ma - 963	0 0	0 0	0 0	0 0	3	0 0		- 2	0 0
un- 963	0 0	3	0 0	3	0 0	0 0		0 0	0 0
Sep- 963	0 0	0 0	0 0	0 0	0 0	0 0		2	3
Dec- 963	0 0	0 0	0 0	0 0	0 0	2		0 0	0 0
Ma - 964	0 0	0 0	3	0 0	3	0 0		0 0	3
un- 964	3	2	3	2 6	0 0	0 0		0 0	0 0
Sep- 964	3	0 0	3	3	3	2		2	3
Dec- 964	3	2 4	0 0	2	0 0	2		2 4	2
Ma - 965	0 0	2	2	0 0	2	0 0		0 0	0 0
un- 965	2	2	2	0 0	2	2 3			2
Sep- 965	2	0 0	2	2	2			0 0	2
Dec- 965	2	2 3	2	2	0 0				2
Ma - 966	0 0	0 0	2	0 0	2	-		0 0	2
un- 966	0 0	0 0	2	2 4	2 4			0 0	0 0
Sep- 966	2		0 0	0 0	0 0	0 0			0 0
Dec- 966	0 0	0 0		2		0 0		0 0	2
Ma - 967	2		0 0	0 0		2 2			
un- 967	2	2 2							
Sep- 967					0 0	2 2			
Dec- 967	0 0	0 0	0 0	0 0				0 0	0 0
Ma - 968		0 0		0 0	0 0	- 0		0 0	
un- 968	0 0		0 0			0 0			0 0
Sep- 968	0 0	0 0		0 0	0 0			0 0	
Dec- 968	2 2		0 0		0 0	0		0 0	0 0
Ma - 969		0 0			2 2	0 0			2 2
un- 969	0 0			0 0		0		0 0	0 0
Sep- 969		0	0 0		0 0	0 0			
Dec- 969		0 0		0 0		0		0	0 0
Ma - 970		0			0	0 0		0	
un- 970	2	0	0 0		2	0		0	0
Sep- 970	0 0	0 0	0	0 0	0 0	0 0		0	0
Dec- 970	2	2 0	3	2	0	3 0		3 0	2 0
Ma - 97	2 0	0	0	0	0	0 0		0 0	0
un- 97	2 0	0	2 0	2 0	2 0	9		9	0
Sep- 97	2 9	9	0	0	0	9		9	2 9
Dec- 97	9	9	2 9	2 0	9	2 8		0 9	9
Ma - 972	0 9	0 9	0 9	0	9	0 9		0 9	0 9
un- 972	8	9	0 9	0	0 9	0 0		0 9	0 9
Sep- 972	0 9	0 9	0 0	9	0 9	8		8	8
Dec- 972	0 9	0 9	8	0 9	0 9	0 9		0 9	0 9
Ma - 973	2 7	2 7	2 7	9	8	8		8	8
un- 973	2 6	3 5	2 6	3 6	2 7	3 4		3 5	3 5
Sep- 973	3 4	3 4	4 3	3 5	2 6	2 5		3 4	3 4
Dec- 973	4	3 3	4	4 2	3 4	4 9		4	3 3
Ma - 974	2 3	2 4	2 4	2 4	6	6		3	3 2
un- 974	3 8	4 6	3	4 8	4 0	4 6		3 0	3 8
Sep- 974	5 9	5	6 0	4 5	4 6	5		5	5 2
Dec- 974	3 5	2 8	2 8	4 3	5 9	4 9		3 5	3 5
Ma - 975	2 7	4 8	2 7	4 9	4 2	2 0		2 0	4
un- 975	3 9	3 2	2 7	3 3	4 0	3 2		4 6	3 3
Sep- 975	3	0 0	9	-0 6	0 0	3		0 6	0 6
Dec- 975	5 0	6 3	6 4	5 2	5 8	7 5		8 3	5 7
Ma - 976	3 0	2 4	2 4	3 7	3 6	2 3		2 4	3 0
un- 976	2 3	2 9	2 9	3 0	3 5	3 4		3 4	2 3
Sep- 976	7	2 2	2 3	2 9	2 8	2 2		2 2	2 3
Dec- 976	5 5	6 0	6	6 7	6 0	5 9		5 4	6
Ma - 977	2	2 6	2	2	2 6	2 0		5	2
un- 977	2	3 0	2	2	2 0	2 5		5	2 6
Sep- 977	2 0	2 0	2 0	2 5	2 5	2 4		2 0	2 0
Dec- 977	2 0	9	2 0	2 5	3 9	2 4		3 4	2 4
Ma - 978	4	4	9	0	0 9	4		0 9	4
un- 978	9	2 3	9	9	8	8		4	9
Sep- 978	2 3	8	9	2 3	8	3		2 3	8
Dec- 978	2 3	8	3 2	4	2 2	2 2		2 3	2 3
Ma - 979	8	8	0 9	8	3	2 2		8	8
un- 979	3	2 6	2 2	2 6	3 0	3 0		3 0	2 6
Sep- 979	2 6	2 9	2	7	7	2 5		2 5	2 5
Dec- 979	2 5	2 4	3 4	3 8	3 3	2 8		2 5	2 9
Ma - 980	2 8	6	2 4	2 0	2 0	9		2 8	2 0
un- 980	2 8	3	2 4	2 8	2 3	2 3		2 7	3
Sep- 980	9	9	6	2	2 3	2 6		9	5
Dec- 980	9	2 2	2 3	2 3	5	8	2 4	2 2	2 3
Ma - 98	3 0	2 2	2 2	2 6	2 2	2	2 0	2 2	2 2
un- 98	8	2	2 6	2 6	2 2	2	7	2 5	2 2
Sep- 98	8	2 4	2 5	2	3 2	2 4	2 3	2	2
Dec- 98	4 2	4 4	3 8	3 8	4 4	3 7	5 8	4	4
Ma - 982	2 0	3	2 3	3	0	6	5	6	2 0
un- 982	2 9	2 3	3	2 6	9	9	8	2 9	2 3
Sep- 982	3 5	3 5	3 2	3 5	3 8	3	3 2	3	3 5
Dec- 982	3	2 7	3 4	2 8	2 7	3 3	3	4 0	3
Ma - 983	2	2	2 4	2 7	5	2 3	9	2 0	2
un- 983	2 0	2 9	2	2 7	8	7	9	7	2 0
Sep- 983		4	2 3	4	2 9	4	3	4	7
Dec- 983	2 0	3	2 0	2 0	2 0	2 2	3	2 5	2 5
Ma - 984	0 3	-0 5	0 3	0 0	-0 8	0 3	0 5	0 0	-0 5
un- 984	0 0	0 3	0 8	0 3	0 0	0 0	0 0	0 3	0 3
Sep- 984		6	4	0 8	7		3	4	4
Dec- 984	6			2 2		2	0	6	4
Ma - 985	3	3	3	3	6	6	0	6	3
un- 985	2	2 9	9	2 7	2 4	2 3	2 2	2 3	2 4
Sep- 985	2 3	2 0	2 6	2	8	2 5	3 4	2 3	2 3
Dec- 985	2 3	7	8	2 3	2 3	2 0	2	2 2	2 0
Ma - 986	2 2	2 7	2 5	5	7	7	9	2 2	2 2
un- 986	7	7	0	2 0	7	2		7	7
Sep- 986	2 4	2 6	2 7	2 9	3 4	2 6	2 7	2	2 6
Dec- 986	3 0	3 0	2 6	2 6	3 0	3 4	3 5	2 5	2 8
Ma - 987	2 0	8	2	8	8	2 0	7	8	2 0
un- 987	6	7	3	6	8	7	7	5	5
Sep- 987	8	7	3		5	7	6	3	7
Dec- 987	5	7	2 0	2 2	7	7	6	9	7
Ma - 988	2 3	4	7	3	5	6	4	9	7
un- 988	4	2 0	9	7	9	4	6	8	9
Sep- 988	2 7	4	4	2	2 0	2	0 6	2	8
Dec- 988	2 6	8	8	6	2 0	6		8	2 0
Ma - 989	0 2	4	4	2 0	0	9	3	2	0
un- 989	2 3	2 7	2 4	9	2 3	9	7	2 3	2 5
Sep- 989	2 8	2 2	9	7	2 3	7	5	5	2 3
Dec- 989	8	8	7	5	2 0	8	8	2 2	8
Ma - 990	6	6	5	5	2 4	6	2	2 0	8
un- 990	6	9	5	8	6	0 9	8		6
Sep- 990	0 7	0 9	0 5	3	0 9	0	0	0 7	0 7
Dec- 990	2 3	2 9	2 5	3 0	2 4	2 4	2 9	2 8	2 6
Ma - 99	0 2	-0 5	0 4	-0 2	- 0	-0 2	-0 3	0 3	-0 2
un- 99	0 2	0 7	0 0	0 5	0 0	0 5	0 5	0 0	0 2
Sep- 99	0 5	0 8	0 3	0 7	0 5	0 8	0 2	4	0 5
Dec- 99	0	0 7	0	0 9	0 3	0 7	3	0 8	0
Ma - 992	0 0	0 0	0 2	0 5	0 0	0 0	0 0	0 3	0 0
un- 992	0 5	-0 2	-0 3	0 0	-0 5	-0 3	0 2	0 3	-0 3
Sep- 992	0 3	-0 2	-0 2	0 7	0 0	0 5	0 5	0 7	0 2
Dec- 992	0 5	0 2	2	0 5	0 5	0 3	0 2	0 3	0 5
Ma - 993	0 7	3	0 9	0 8	0 3	0	0 6	0	0 8
un- 993	0 2	0 5	0 5	0 7	0 3	0 3	0 2	0 2	0 3
Sep- 993	0 3	0 3	0 2	0 3	0	5	0 5	0 7	0 5
Dec- 993	0 2	0 3	0 3	0 0	0 7	0 5		0 3	0 2
Ma - 994	0 2	0 3	0 5	0 8	0 0	0 3	-0 3	0 0	0 5
un- 994	0 8	0 8	0 7	0 6	0 5	0 5	0 8	0 6	0 7
Sep- 994	0	0 2	0	0 5	0 8	0 8	0 6	0 5	0 6
Dec- 994	0 6	0 8	0	0	0 8	0 8	0 6		0 8
Ma - 995	8	7	8	6	9	7	4	2	6
un- 995	4	0 9	0	0 8	6	0 8	2	2	4
Sep- 995	7	2	0 9		0 6	2		2	2
Dec- 995	0 9	0 8	0 6	0 9	0 6	0 6	0	0 8	0 8
Ma - 996	0 6	-0	0 8	0 3	0 6	0 7	0 4	0 6	0 3
un- 996	0 8	0 7	0 6	0 5	0 8	0 4	0 9	0 6	0 8
Sep- 996	0	0 4	0 2	0 2	0 3	0 4	0 7	0 0	0 3
Dec- 996	0	0	0 2	0 3	0 2	0	0 0	0 0	0
Ma - 997	0	0	0 6	0 0	-0 2	0 4	0 0	0 0	0
un- 997	0 3	-0	-0 3	-0 6	-0 2	-0 4	-0	0 9	-0 3
Sep- 997	0 3	-0 3	-0 3	-0 6	-0 5	-0 6	-0 4	0 4	-0 4
Dec- 997	0 3	0 3	0 6	0 0	0 0	0 4	-0	0 0	0 3
Ma - 998	0 4	-0	0 3	0 5	0 3	0 3	0 6	0 6	0 3
un- 998	0 6	0 6	0 5	0 6	0 8	0 4	0 3	0 6	0 6
Sep- 998	0 3	0 0	0 2	0 4	0 8	0 6	0 3	0 0	0
Dec- 998	0 6	0 4	0 3	0 4	0 4	0 0	0 3	0 3	0 4
Ma - 999	0 0	0 0	-0 2	-0 7	-0 4	-0 4	-0 4	0	0 0
un- 999	0 4	0 4	0 3	0 7	0 9	0 3	0 6	0 0	0 4
Sep- 999	0 9	0	0 8	2	0 9	0 6	0	0 9	0 9
Dec- 999	0 6	0 6	0 0	0 6	0 6	0 6	0 6	0 9	0 6
Ma -2000	0 9		2	0 9	0 4	0	0 6	0	0 9
un-2000	0 9	0 6	0 6	0 6	0 7	0		0 9	0 7
Sep 2000	3 7	3 8	4 0	3 7	3 6	3 8	3 4	3 7	3 8
Dec 2000	0 4	0 4	0 3	0	0 3	0 0	0 5	0 4	0 3
Ma -200	4		0 8		0 6	0 7	0 0	0 7	
un-200	0 8	0 5	0	0 8	4	0 9		0	0 8
Sep 200	0 3	0 5	0	0	0	-0 4	0 3	0 0	0 3
Dec 200	0 9	0 8	2	0 9	0 8	0 8	0 8	2	0 9
Ma -2002	0 9		0	0 8	0 8	0 9	0 3	0 5	0 9
un-2002	0 6	0 5	0 7	0 9	0 7	3	0 8	2	0 7
Sep 2002	0 5	0 8	0 8	0 9	0 9	0 4	0 4	0 5	0 7
Dec 2002	0 6	0 8	0 5	0 9	0 4	0 4	0 5	0 9	0 6
Ma -2003	3	4	3	2	0 8	4	0 9	0	3
un-2003	0 0	0 0	0 0	-0	-0	0 6	0 4	0 0	0 0
Sep 2003	0	0 6	0	0 8	0 9	0	-0	0 9	0 6
Dec 2003	0 9	0 2	0 6	0 5	0 4	0 6	0 5	0 6	0 5
Ma -2004	0 9	0	0 9	0	0 4	0 8	0 4	0 8	0 9
un-2004	0 4	0 2	0 5	0 6	0	0 9	0 4	0 6	0 5
Sep 2004	0 5	0 2	0 4	0 4	0 6	0 5	0 9	0 5	0 4
Dec 2004	0 9	0 7	0 8	0 6	0 9	2	0 3	0 5	0 7
Ma -2005	0 5	0 7	0 9	0 6	0 8	0 8	0 5	0 5	0 7
un-2005	0 6	0 4	0 5	0 6	4	0 5	0 9	0 6	0 6
Sep 2005	0		0 6			0		2	0
Dec 2005	0 4	0 5	0 9	0 4	0 7	0 6	0 5	0 7	0 5
Ma -2006	0 8	0 8	0 9	0	0	0 7	0 9	0	0 8
un-2006	6	4	8	3	9	2	8	8	7
Sep 2006	0 9	0 7	0 8	2		0 8	7	0 7	0 9
Dec 2006	0 2	-0	-0	-0 3	0 3	-0 3	0 6	0 2	-0
Ma -2007	0	0 2	0 5	-0 2	0 2	0 6	0 0	0	0 0
un-2007	2	2	4	2	4	3	4	4	3
Sep 2007	0 5	0 8	0 9	0 8	0 7	0 2		0 8	0 7
Dec 2007	0 9	0	0	0	0 8	0 9	0 3	0 9	0 9
Ma -2008	3	3	4	3	3	2	0 9	5	3
un-2008	6	2	7	3	7		5	2	4
Sep 2008		2	4	3	0		8	5	2
Dec 2008	0 3	-0 6	-0 2	-0 3	-0 3	-0 2	-0 4	0 4	-0 3
Ma -2009	0	0 3	0 2	0 0	-0	0 2	0	0 3	0
un-2009	0 4	0 3	0 5	0 5	0 9	0 5		0 6	0 4
Sep 2009		0 5	4		0 8	2	9	0 9	0
Dec 2009	0 5	0 6	0 3	0 4	0 5	0 6	-0	0 4	0 5
Ma -20 0	0 8	3	0 7	0 5	2	0 7	0 5	0 6	0
un-20 0	0 4	0 6	0 7	0 7	0 9	0 4	0 8	0 3	0 6
Sep 20 0	0 7	0 5	0	0 9	0 4	0	0	0 7	0 7
Dec 20 0	0 4	0 6	0 5	0 3	0	0	-0	0 4	0 4
Ma -20	6	7	2	7		3		4	4
un-20	0	0 7	0	0 9	3	0 9	0		0 9
Sep 20	0 7	0 6	0 3	0	0 2	0 8	0 7	0 6	0 6
Dec 20	0	0	-0 2	0 0	0 2	0	-0 4	0 3	0 0
Ma -20 2	0	0 0	0 2	-0	0 2	0 3	0 4	0 4	0
un-20 2	0 6	0 5	0 6	0 3	0 5	-0 4	0 8	0 6	0 5
Sep 20 2	7	2		5		0 7	3		4
Dec 20 2	0	0 4	0 3	0 4	0 3	0 4	0 0	0 4	0 2
Ma -20 3	0 4	0 4	0	0 0	0 5	0 3	7	0	0 4
un-20 3	0 4	0 2	0 5	0 2	0 6	0 4	0 9	0 6	0 4
Sep 20 3	2	4	3	4	2	0 9	0 9	0 6	2
Dec 20 3	0 7	0 8	0 8	0 7	0 7	0	0 9	0	0 8
Ma -20 4	0 6	0 5	0 6	0 7	0 7	0 5	0 8	0 5	0 6
un-20 4	0 4	0 6	0 6	0 4	0 8	0 4	0 7	0 2	0 5
Sep 20 4	0 6	0 2	0 7	0 4	0 5	0	0 2	0 4	0 5
Dec 20 4	0 2	0 2	0 2	0 3	0	0	0 2	0	0 2
Ma -20 5	0 5	0	0 0	0	0	0 3	-0 2	0	0 2
un-20 5	0 9	0 7	0 7	0 5	0 6	0	0 0	0 4	0 7
Sep 20 5	0 3	0 5	0 7	0 3	0 4	0 6	0 4	0 2	0 5
Dec 20 5	0 3	0 7	0 4	0 2	0 5	0 9	0 3	0 2	0 4
Ma -20 6	0 2	-0	0 0	-0 3	-0 6	-0 2	-0 9	0 2	-0 2
un-20 6	0 6	0 4	0 5	0 5	0 3	0 0	0 3	0 2	0 4
Sep 20 6	0	0 5	0 6	0 8	0 4	0 7	0 4	0 8	0 7
Dec 20 6	0 5	0 7	0 5	0 3	0 4	0 8	-0	0 6	0 5
Ma -20 7	0 4	0 9	0 3	0 4	0 0	0 8	-0	0 6	0 5
un-20 7	0 4	0	0 5	0	0 0	0 0	0 3	0 0	0 2
Sep 20 7	0 7	0 5	0 4		0 5	0 3	0 6	0 9	0 6
Dec 20 7	0 7	0 7	0 8	0 7	0 4	0	0 3	0 6	0 6
Ma -20 8	0 3	0 9	0	0 4	0	0 7	0 0	0 8	0 4

Time Series Workbook

6401.0 Consumer Price Index, Australia
TABLES 1 and 2. CPI: All Groups, Index Numbers and Percentage Changes

I N Q U I R I E S

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

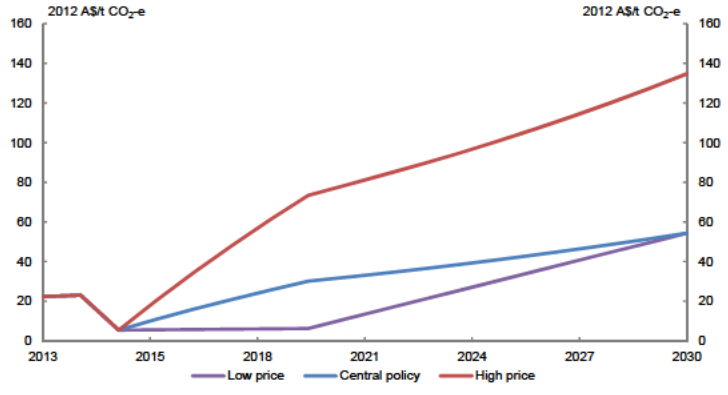
T me	Annual CPI as the ave age of qua te	CPI	By f nanc al yea sta t ng w th 1948-49	CPI base yea 2011 12 = 100	CPI base yea 2015-16 = 100
Sep- 948	3 85	1948-49	1948	3 9	3.6
Dec- 948	3 95	1949-50	1949	4 2	3.9
Ma - 949	4.025	1950-51	1950	4 7	4.4
un- 949	4.1	1951-52	1951	5 8	5.4
Sep- 949	4.175	1952-53	1952	6 3	5.9
Dec- 949	4 25	1953-54	1953	6 5	6.1
Ma - 950	4.375	1954-55	1954	6 5	6.1
un- 950	4.525	1955-56	1955	6 8	6.3
Sep- 950	4.725	1956-57	1956	7 1	6.7
Dec- 950	4 95	1957-58	1957	7 2	6.7
Ma - 95	5.225	1958-59	1958	7 3	6.8
un- 95	5.5	1959-60	1959	7 5	7.0
Sep- 95	5 75	1960-61	1960	7 8	7.3
Dec- 95	5.975	1961-62	1961	7 8	7.3
Ma - 952	6.125	1962-63	1962	7 8	7.3
un- 952	6.225	1963-64	1963	8 0	7.4
Sep- 952	6.3	1964-65	1964	8 2	7.7
Dec- 952	6.375	1965-66	1965	8 5	8.0
Ma - 953	6.4	1966-67	1966	8 8	8.2
un- 953	6 45	1967-68	1967	9 1	8.5
Sep- 953	6.475	1968-69	1968	9 3	8.7
Dec- 953	6.475	1969-70	1969	9 6	9.0
Ma - 954	6.5	1970-71	1970	10 0	9.4
un- 954	6.5	1971-72	1971	10 7	10.0
Sep- 954	6.525	1972-73	1972	11 4	10.6
Dec- 954	6 55	1973-74	1973	12 8	12.0
Ma - 955	6.6	1974-75	1974	15 0	14.0
un- 955	6 65	1975-76	1975	16 9	15.8
Sep- 955	6 75	1976-77	1976	19 3	18.0
Dec- 955	6.875	1977-78	1977	21 1	19.8
Ma - 956	6.975	1978-79	1978	22 8	21.4
un- 956	7.075	1979-80	1979	25 2	23.6
Sep- 956	7.125	1980-81	1980	27 5	25.7
Dec- 956	7 15	1981-82	1981	30 4	28.4
Ma - 957	7.175	1982-83	1982	33 9	31.7
un- 957	7.2	1983-84	1983	36 2	33.9
Sep- 957	7.2	1984-85	1984	37 8	35.3
Dec- 957	7.2	1985-86	1985	40 9	38.3
Ma - 958	7.225	1986-87	1986	44 7	41.9
un- 958	7 25	1987-88	1987	48 0	45.0
Sep- 958	7.275	1988-89	1988	51 5	48.2
Dec- 958	7.325	1989-90	1989	55 7	52.1
Ma - 959	7.375	1990-91	1990	58 6	54.9
un- 959	7.425	1991-92	1991	59 7	55.9
Sep- 959	7.5	1992-93	1992	60 3	56.5
Dec- 959	7.575	1993-94	1993	61 4	57.5
Ma - 960	7 65	1994-95	1994	63 4	59.3
un- 960	7.725	1995-96	1995	66 1	61.9
Sep- 960	7.8	1996-97	1996	67 0	62.7
Dec- 960	7.825	1997-98	1997	67 0	62.7
Ma - 96	7.825	1998-99	1998	67 8	63.5
un- 96	7.825	1999-00	1999	69 4	65.0
Sep- 96	7.8	2000-01	2000	73 6	68.9
Dec- 96	7.8	2001-02	2001	75 7	70.9
Ma - 962	7.8	2002-03	2002	78 0	73.0
un- 962	7.8	2003-04	2003	79 9	74.7
Sep- 962	7.8	2004-05	2004	81 8	76.6
Dec- 962	7.825	2005-06	2005	84 4	79.0
Ma - 963	7 85	2006-07	2006	86 9	81.3
un- 963	7.9	2007-08	2007	89 8	84.1
Sep- 963	7 95	2008-09	2008	92 6	86.7
Dec- 963	8	2009-10	2009	94 8	88.7
Ma - 964	8.075	2010-11	2010	97 7	91.5
un- 964	8.125	2011-12	2011	100 0	93.6
Sep- 964	8.2	2012-13	2012	102 3	95.7
Dec- 964	8.275	2013-14	2013	105 0	98.3
Ma - 965	8 35	2014-15	2014	106 8	100.0
un- 965	8 45	2015-16	2015	108 3	101.4
Sep- 965	8.525	2016-17	2016	110 2	103.1
Dec- 965	8.575	2017-18	2017	112 0	104.9
Ma - 966	8.625	2018-19	2018		
un- 966	8.675				
Sep- 966	8 75				
Dec- 966	8 85				
Ma - 967	8.925				
un- 967	9				
Sep- 967	9 05				
Dec- 967	9.1				
Ma - 968	9 15				
un- 968	9.225				
Sep- 968	9.3				
Dec- 968	9.375				
Ma - 969	9 45				
un- 969	9.5				
Sep- 969	9.575				
Dec- 969	9 65				
Ma - 970	9.775				
un- 970	9.9				
Sep- 970	10.025				
Dec- 970	10.2				
Ma - 97	10.375				
un- 97	10 55				
Sep- 97	10.725				
Dec- 97	10.875				
Ma - 972	11				
un- 972	11 15				
Sep- 972	11.375				
Dec- 972	11 65				
Ma - 973	12				
un- 973	12.4				
Sep- 973	12.825				
Dec- 973	13.325				
Ma - 974	13 85				
un- 974	14.425				
Sep- 974	15				
Dec- 974	15.425				
Ma - 975	15 95				
un- 975	16 45				
Sep- 975	16.925				
Dec- 975	17.475				
Ma - 976	18.075				
un- 976	18 65				
Sep- 976	19 25				
Dec- 976	19 85				
Ma - 977	20.3				
un- 977	20.725				
Sep- 977	21.125				
Dec- 977	21.525				
Ma - 978	21.925				
un- 978	22 35				
Sep- 978	22.825				
Dec- 978	23 35				
Ma - 979	23.925				
un- 979	24.525				
Sep- 979	25.175				
Dec- 979	25.775				
Ma - 980	26 35				
un- 980	26 95				
Sep- 980	27.5				
Dec- 980	28.1				
Ma - 98	28 85				
un- 98	29.6				
Sep- 98	30.375				
Dec- 98	31.275				
Ma - 982	32.125				
un- 982	33				
Sep- 982	33.875				
Dec- 982	34.625				
Ma - 983	35 35				
un- 983	35 85				
Sep- 983	36.2				
Dec- 983	36.525				
Ma - 984	36 75				
un- 984	37 15				
Sep- 984	37 75				
Dec- 984	38 45				
Ma - 985	39.225				
un- 985	40.1				
Sep- 985	40.925				
Dec- 985	41.8				
Ma - 986	42.775				
un- 986	43 75				
Sep- 986	44.725				
Dec- 986	45.625				
Ma - 987	46.425				
un- 987	47.2				
Sep- 987	48.025				
Dec- 987	48.875				
Ma - 988	49.775				
un- 988	50.6				
Sep- 988	51.525				
Dec- 988	52.525				
Ma - 989	53.525				
un- 989	54 65				
Sep- 989	55.675				
Dec- 989	56.5				
Ma - 990	57 45				
un- 990	58.125				
Sep- 990	58.6				
Dec- 990	59 05				
Ma - 99	59.275				
un- 99	59.525				
Sep- 99	59.7				
Dec- 99	59.825				
Ma - 992	59.875				
un- 992	60 05				
Sep- 992	60.325				
Dec- 992	60 65				
Ma - 993	60.925				
un- 993	61 15				
Sep- 993	61.425				
Dec- 993	61.725				
Ma - 994	62.125				
un- 994	62.7				
Sep- 994	63.4				
Dec- 994	64.2				
Ma - 995	65				
un- 995	65.6				
Sep- 995	66.1				
Dec- 995	66 45				
Ma - 996	66.7				
un- 996	66.925				
Sep- 996	66.975				
Dec- 996	66.9				
Ma - 997	66 85				
un- 997	66.825				
Sep- 997	66 95				
Dec- 997	67.175				
Ma - 998	67.425				
un- 998	67.625				
Sep- 998	67.8				
Dec- 998	68.1				
Ma - 999	68.425				
un- 999	68.9				
Sep- 999	69.425				
Dec- 999	70.475				
Ma -2000	71.475				
un 2000	72.525				
Sep-2000	73.6				
Dec-2000	74 05				
Ma -200	74.625				
un 200	75.175				
Sep-200	75.7				
Dec-200	76.3				
Ma -2002	76 85				
un 2002	77.475				
Sep-2002	77.975				
Dec-2002	78.475				
Ma -2003	78 95				
un 2003	79 35				
Sep-2003	79 85				
Dec-2003	80.3				
Ma -2004	80.8				
un 2004	81.275				
Sep-2004	81.775				
Dec-2004	82.4				
Ma -2005	82.975				
un 2005	83.575				
Sep-2005	84.4				
Dec-2005	85.225				
Ma -2006	85.925				
un 2006	86 45				
Sep-2006	86.9				
Dec-2006	87.3				
Ma -2007	87.925				
un 2007	88 85				
Sep-2007	89.825				
Dec-2007	90.925				
Ma -2008	91 75				
un 2008	92.3				
Sep-2008	92.625				
Dec-2008	92.9				
Ma -2009	93.375				
un 2009	94 05				
Sep-2009	94.775				
Dec-2009	95 45				
Ma -20 0	96.1				
un 20 0	96.875				
Sep-20 0	97.725				
Dec-20 0	98 55				
Ma -20	99.275				
un 20	99.675				
Sep-20	99.975				
Dec-20	100.475				
Ma -20 2	101.025				
un 20 2	101 65				
Sep-20 2	102 25				
Dec-20 2	102.8				
Ma -20 3	103.5				
un 20 3	104 25				
Sep-20 3	105.025				
Dec-20 3	105.625				
Ma -20 4	106.075				
un 20 4	106.425				
Sep-20 4	106.825				
Dec-20 4	107.225				
Ma -20 5	107.675				
un 20 5	108.025				
Sep-20 5	108.3				
Dec-20 5	108 65				
Ma -20 6	109 05				
un 20 6	109.625				
Sep-20 6	110 15				
Dec-20 6	110 65				
Ma -20 7	111.175				
un 20 7	111.7				
Sep-20 7					
Dec-20 7					
Ma -20 8					

Climate Change Mitigation Scenarios - Modelling report provided to the Climate Change Authority in support of its Caps and Targets Review

Charts and tables from the report

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Central policy	22.5	23.1	5.5	10.9	16.1	21.0	25.7	30.1	32.1	34.2	36.4	38.6	41.0	43.4	46.0	48.7	51.5	54.4
Low price	22.5	23.1	5.5	5.7	5.9	6.0	6.2	6.3	11.1	15.9	20.8	25.6	30.4	35.2	40.0	44.8	49.7	54.5
High price	22.5	23.1	5.5	20.5	34.8	48.3	61.2	73.4	78.6	84.0	89.3	94.8	100.8	107.0	113.5	120.4	127.5	134.9

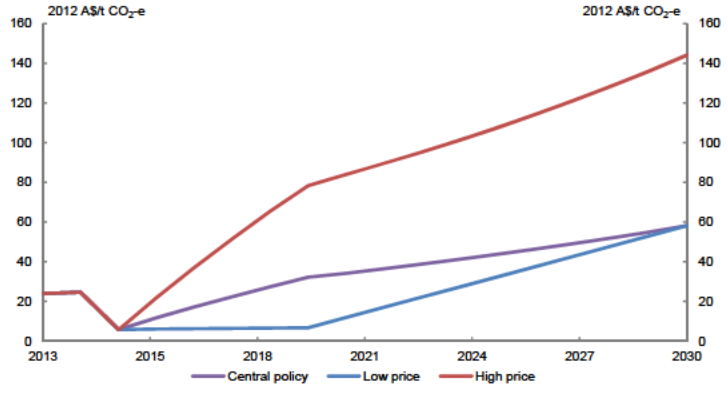
Chart 3.1: Projected Australian carbon unit prices



Source: Estimates from MMRF and GTEM.

Base year 2016

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average 2020-2030
Central policy	24.0	24.7	5.9	11.7	17.2	22.5	27.5	32.2	34.3	36.6	38.9	41.3	43.8	46.4	49.2	52.1	55.1	58.2	44.4
Low price	24.0	24.7	5.9	6.1	6.3	6.4	6.6	6.7	11.9	17.0	22.2	27.3	32.5	37.6	42.8	47.9	53.1	58.2	32.5
High price	24.0	24.7	5.9	21.9	37.2	51.7	65.4	78.5	84.0	89.7	95.4	101.3	107.7	114.3	121.3	128.6	136.2	144.2	109.2



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s 34(1)(c) and 34(3)

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Document 2

Australian Government
Department of the Environment and Energy

Australia's emissions projections 2017

v1.0 19 December 2017

List of charts

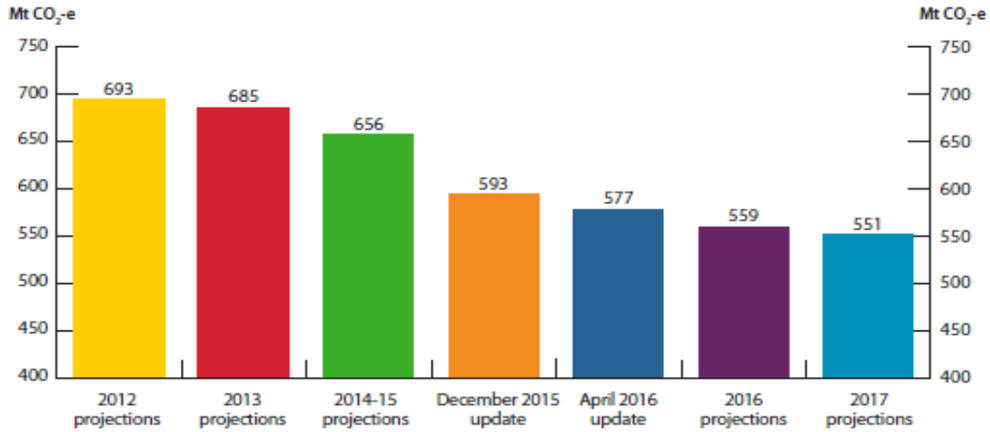
*Note: The data presented has been rounded to a set decimal point. This can create rounding impacts which may result in small differences to the figures presented in *Australia's emissions projections 201* 7.

**Note: Totals may not sum due to rounding.

***Note: The estimate of historical emissions (1990-2017) may be different by a small amount to those published in the *Quarterly Update of Australia's National Greenhouse Gas Inventory: June 2017* due to different emissions accounting treatments and the application of policies.

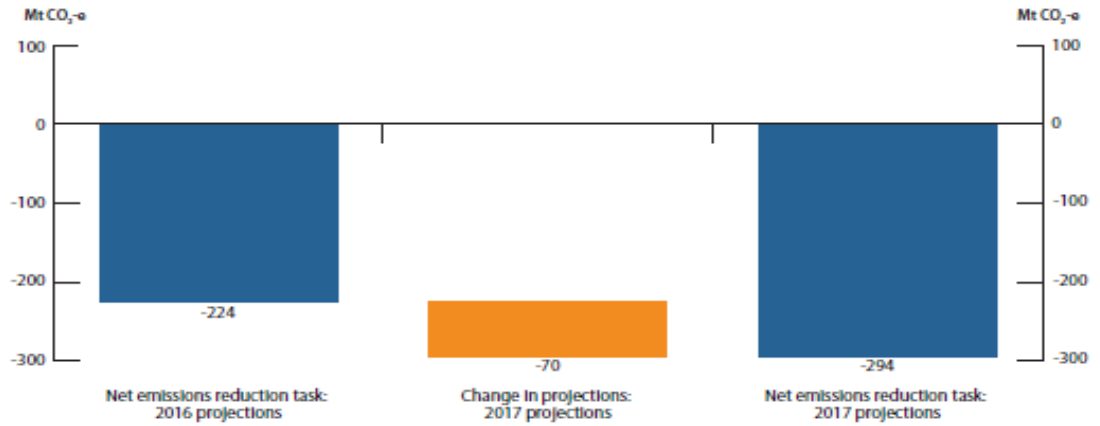
Projected emissions in 2020 over time (Mt CO_2-e)

	Emissions in 2020
2012 projections	693
2013 projections	685
2014-15 projections	656
December 2015 update	593
April 2016 update	577
2016 projections	559
2017 projections	551



Change in the cumulative emissions reduction task for 2020 target (Mt CO_2-e)

	Emissions
Net emissions reduction task: 2016 projections	-224
Change in projections: 2017 projections	-70
Net emissions reduction task: 2017 projections	-294

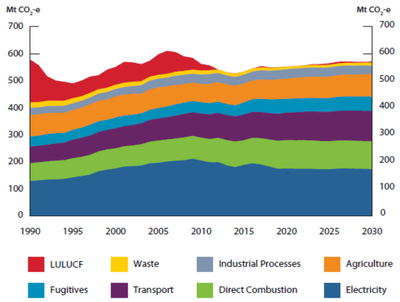


Australia's emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Electricity	130	132	135	136	137	143	148	153	165	172	175	183	184	187	195	197	201	204	206	212	205	199	199	187	181	189	195	191	182	174	176	175	175	175	173	173	175	176	175	174	173
Direct combustion	66	67	67	69	69	71	71	73	73	74	75	75	77	78	80	82	81	82	84	84	84	86	90	93	94	91	94	97	100	104	105	105	105	105	104	103	103	103	103	103	103
Transport	61	61	62	63	65	68	70	72	72	73	74	74	76	77	80	82	82	85	87	87	89	91	92	92	93	95	96	97	98	99	102	103	105	107	108	109	110	110	111	112	112
Fugitives	37	37	40	38	36	37	37	40	40	37	40	40	38	37	37	39	40	42	42	42	42	42	42	42	41	45	48	49	51	54	51	51	51	51	50	51	52	52	53	53	53
Agriculture	80	79	77	75	75	73	74	75	75	76	78	77	77	72	75	76	74	71	68	68	66	71	72	73	73	70	69	72	72	73	75	76	77	78	79	79	80	81	81	82	82
Industrial processes	26	25	26	26	26	25	25	25	27	27	27	28	29	31	33	32	32	34	35	32	35	36	34	33	32	32	33	34	34	34	34	34	34	34	34	34	33	33	33	33	33
Waste	20	20	19	19	19	19	17	17	16	16	16	16	16	15	14	14	14	14	15	15	15	14	13	12	12	12	12	11	10	10	10	9	9	10	10	10	10	10	10	10	10
LULUCF	158	137	91	75	70	55	58	61	52	67	66	78	72	64	59	76	85	74	54	44	25	18	-6	-8	1	-8	-5	5	2	2	-1	-1	1	3	4	6	7	5	5	4	4
Total (incl. LULUCF)	578	557	516	501	496	490	500	515	520	541	551	570	568	561	574	597	610	606	590	584	562	557	535	524	527	526	540	554	549	550	551	553	557	561	562	564	570	571	570	570	570

**Note: Emissions are presented under UNFCCC inventory reporting categories consistent with Australia's 2030 target.*

***Note: Australia's emissions under Kyoto Protocol reporting categories are presented in the "Kyoto Protocol Categories" tab consistent with Australia's 2020 target.*



Australia's emissions trends, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2016 projections	548	520	488	483	501	480	498	519	517	532	550	545	568	552	566	595	612	584	585	586	556	541	540	530	524	527	538	554	561	568	565	566	568	572	576	584	594	602	610	614	616
2017 projections	578	557	516	501	496	490	500	515	520	541	551	570	568	561	574	597	610	606	590	584	562	557	535	524	527	526	540	554	549	550	551	553	557	561	562	564	570	571	570	570	570
Trajectory to minus 5% target*																								598	588	578	568	557	547	537	527										
Trajectory to minus 26% target																															524	515	507	499	491	483	475	467	458	450	442
Trajectory to minus 28% target																																									

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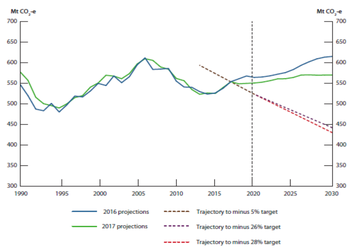
**Note: Australia's 2020 target is accounted for using Kyoto Protocol reporting categories (see the "Kyoto Protocol Categories" tab).*

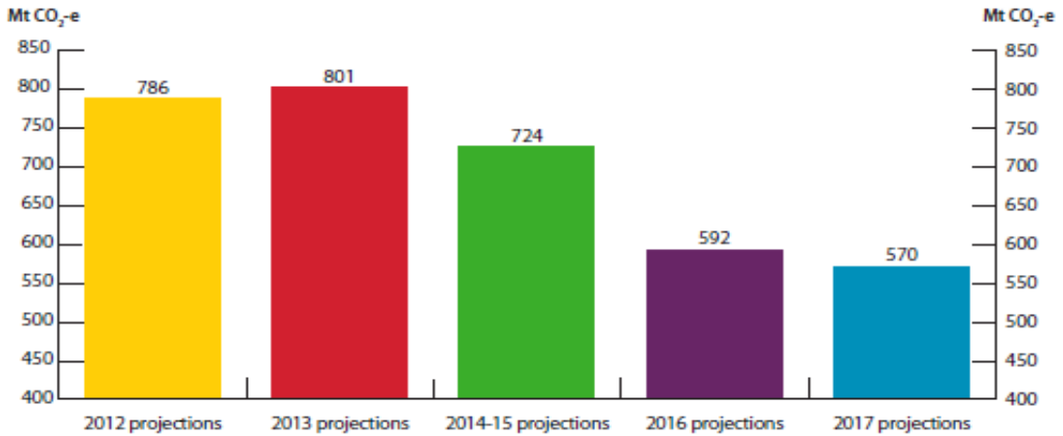


s 34(1)(c) and s 34(3)

s 34(1)(c) and s34(3)

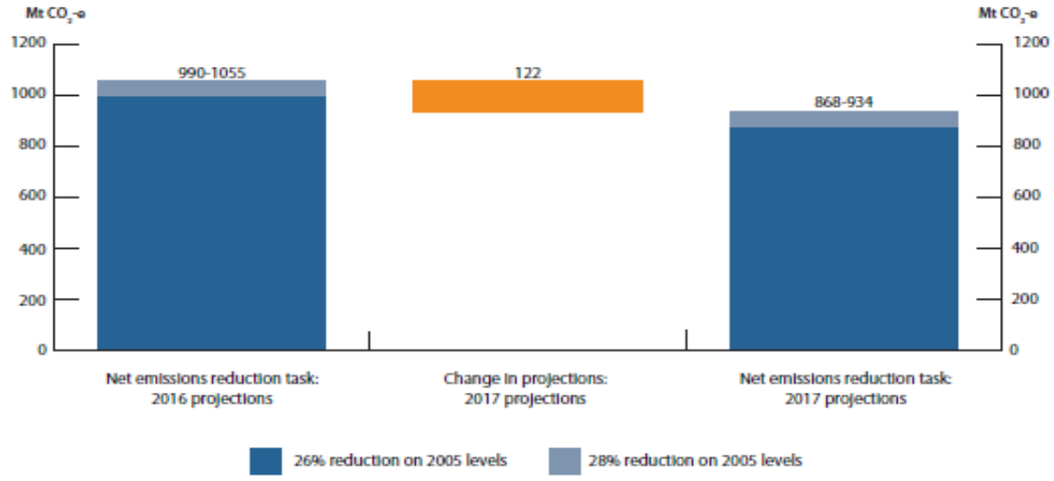
Projected emissions in 2030 over time (Mt CO_2-e)

	Emissions in 2030
2012 projections	786
2013 projections	801
2014-15 projections	724
2016 projections	592
2017 projections	570



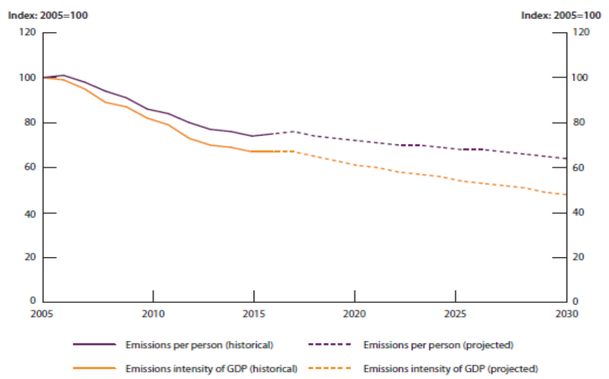
Change in the cumulative emissions reduction task for 2030 target (Mt CO_2-e)

	26% reduction on 2005 levels	28% reduction on 2005 levels
Net emissions reduction task: 2016 projections	990	1,055
Change in projections: 2017 projections	122	121
Net emissions reduction task: 2017 projections	868	934



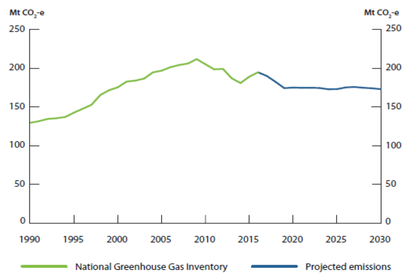
Emissions per person and emissions intensity of GDP, 2005 to 2030 (Index: 2005=100)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Emissions per person (historical)	100.0	100.8	98.5	94.1	91.2	86.2	84.2	79.6	76.5	75.9	74.3	75.2	75.7													
Emissions per person (projected)													75.7	73.8	72.7	71.6	70.8	70.1	69.6	68.7	68.0	67.7	66.9	65.9	65.0	64.2
Emissions intensity of GDP (historical)	100.0	99.2	94.9	89.1	86.7	81.8	79.1	73.4	70.0	68.6	66.9	66.9	67.3													
Emissions intensity of GDP (projected)													67.3	64.9	63.1	61.4	59.8	58.4	57.2	55.6	54.4	53.5	52.1	50.6	49.3	48.0



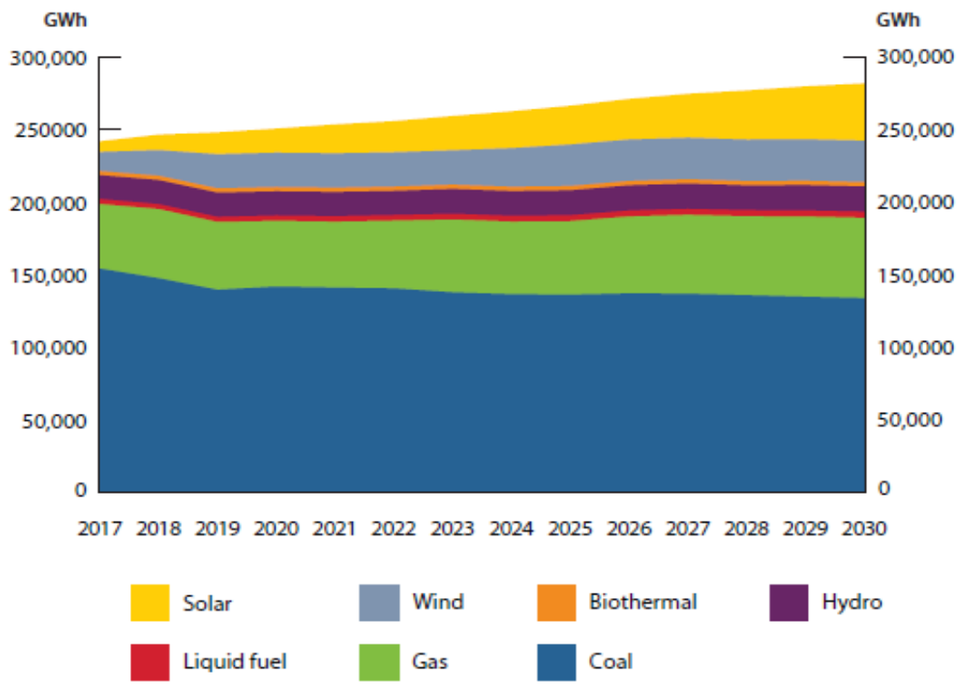
Electricity emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
National greenhouse gas inventory	129.6	131.7	134.6	135.5	137.1	142.7	147.7	152.8	165.4	171.6	175.4	182.7	184.0	186.6	194.6	196.8	201.3	204.1	206.0	211.7	205.1	198.5	199.1	187.0	180.8	189.0	194.7	190.5													
2017 projections																												190.5	182.4	174.3	175.5	174.7	174.8	174.5	172.9	173.0	175.2	175.8	174.8	174.1	173.3



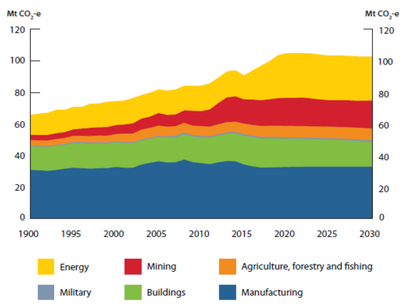
Projected sent-out electricity generation by fuel, 2017 to 2030 (GWh)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Coal	153,945	147,289	139,377	141,586	140,879	140,323	137,617	136,306	135,985	136,896	136,655	135,649	134,588	133,641
Gas	44,394	47,596	46,611	45,196	45,332	46,587	50,133	49,941	50,604	52,908	54,244	54,322	55,171	55,228
Liquid fuel	3,549	3,397	3,557	3,751	3,844	3,907	3,969	4,027	4,077	4,119	4,158	4,195	4,229	4,263
Hydro	16,376	16,603	16,677	16,619	16,661	16,604	17,045	17,043	17,161	17,339	17,431	17,045	17,438	17,350
Wind	13,110	17,585	23,412	23,578	23,576	23,576	23,576	26,498	28,516	28,516	28,516	28,517	28,513	28,513
Biothermal	2,839	2,993	3,003	2,997	2,989	2,987	2,995	3,003	2,997	3,006	3,009	3,012	3,006	3,005
Solar	7,426	10,782	15,128	16,650	19,966	21,510	23,710	25,433	26,761	28,005	30,316	33,895	36,523	39,502



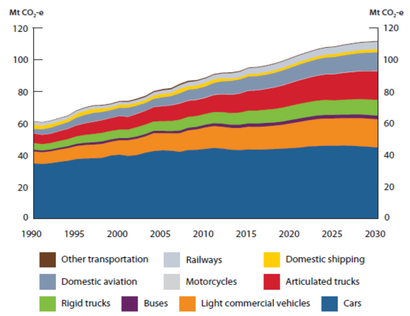
Direct combustion emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Energy	12.6	13.7	14.1	14.9	14.1	14.3	13.8	15.3	15.1	16.1	15.2	15.2	16.1	15.0	15.2	15.0	15.5	15.9	15.7	15.8	16.3	16.6	16.1	16.5	16.6	15.3	18.5	22.0	24.2	27.3	28.3	28.4	28.3	28.6	28.5	28.4	28.3	28.3	28.1	28.1	28.0
Mining	3.4	3.4	3.6	3.7	3.7	4.2	4.6	5.3	5.3	5.5	5.8	5.8	6.5	7.0	7.2	8.0	7.5	7.5	8.0	9.5	9.5	11.0	13.6	15.7	16.1	15.4	16.1	16.3	16.9	17.6	17.8	18.0	18.1	17.6	17.2	16.8	17.0	17.2	17.1	17.4	17.7
Manufacturing	30.9	30.7	30.2	30.8	31.6	32.3	32.0	31.7	31.9	32.0	32.7	32.3	32.3	34.3	35.4	36.3	35.6	35.7	37.4	35.8	35.2	34.5	35.7	36.5	36.3	34.2	33.1	32.3	32.4	32.6	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
Buildings	15.0	14.9	15.2	15.5	15.1	15.5	15.8	15.7	15.8	15.6	15.7	15.5	15.5	15.4	15.3	15.4	15.8	15.9	16.1	16.2	16.4	16.7	17.0	17.3	17.7	18.3	18.5	18.5	18.5	18.3	18.0	17.8	17.6	17.5	17.3	17.1	16.9	16.7	16.5	16.2	15.8
Agriculture, forestry and fishing	3.5	3.5	3.5	3.7	3.8	3.9	3.9	4.1	4.2	4.3	4.5	5.5	5.6	6.2	6.2	6.6	6.2	6.0	6.1	6.1	6.2	6.2	6.3	6.4	6.4	6.7	6.8	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
Military	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	1.0	1.0	0.8	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



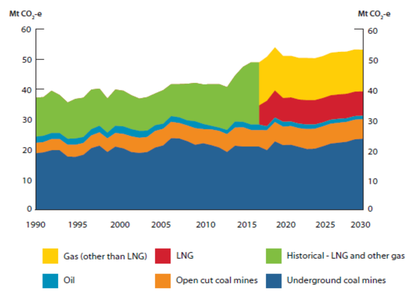
Transport emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Cars	34.8	34.4	34.9	35.7	36.4	37.5	37.9	38.0	38.3	39.7	40.3	39.5	40.0	41.5	42.6	43.0	42.8	42.0	43.2	43.3	43.9	44.5	44.1	43.4	43.2	43.5	43.4	43.6	43.8	44.1	44.4	44.7	45.5	45.7	46.0	45.9	46.0	45.9	45.5	45.3	44.8
Light commercial vehicles	7.5	7.4	7.5	7.7	7.9	8.3	8.5	8.6	8.8	8.7	9.1	9.8	10.3	10.3	11.3	10.9	11.0	11.7	12.4	12.9	13.5	13.7	13.7	13.8	13.9	14.3	14.4	14.5	14.7	15.1	15.6	16.2	16.4	17.0	17.1	17.1	17.2	17.3	17.7	17.7	17.8
Motorcycles	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Buses	1.2	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.6	1.6	1.7	1.8	2.0	2.0	2.0	2.1	2.2	2.2	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Rigid trucks	4.1	4.0	4.0	4.2	4.4	4.7	4.9	5.2	5.4	5.3	5.3	5.3	5.8	6.0	5.9	6.1	6.3	6.9	6.8	6.8	6.8	7.0	7.2	7.3	7.6	8.0	8.1	8.3	8.5	8.7	9.0	9.2	9.3	9.3	9.4	9.1	9.3	9.4	9.6	9.7	9.9
Articulated trucks	6.1	5.9	6.0	6.2	6.5	6.9	7.3	7.7	8.0	8.1	8.6	8.1	8.4	8.6	9.1	9.5	9.8	10.2	10.2	10.1	10.1	10.7	11.3	11.5	12.0	12.6	12.8	13.0	13.5	14.0	14.4	14.9	15.3	15.7	16.1	16.5	16.9	17.2	17.6	17.8	18.1
Domestic aviation	2.6	3.3	3.5	3.7	3.9	4.6	5.1	5.4	4.9	4.8	5.0	5.5	4.9	4.7	4.9	5.4	5.7	6.1	6.6	6.7	6.8	7.3	7.9	8.5	8.6	8.6	8.7	8.7	8.9	9.2	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.2	11.4	11.6
Domestic shipping	2.6	2.3	2.4	2.2	2.0	2.5	2.6	2.6	2.2	2.0	2.1	2.0	2.0	1.9	2.1	2.3	2.1	2.9	2.2	2.2	2.4	2.4	1.9	1.5	1.4	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0
Railways	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.9	2.1	2.1	2.1	2.2	2.6	2.7	2.7	2.8	3.1	3.3	3.4	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7
Other transportation	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



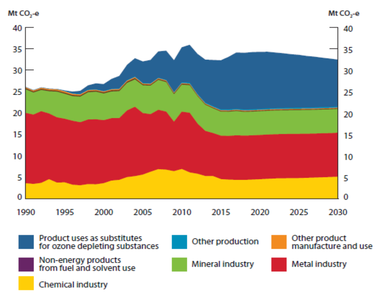
Fugitive emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Open cut coal mines	3.4	3.4	3.7	3.7	3.9	4.0	3.9	4.2	4.4	4.5	4.5	4.8	5.2	5.0	5.0	5.5	5.5	5.4	5.1	5.2	5.5	4.7	5.2	5.5	5.9	6.0	6.4	5.5	5.5	6.6	6.4	6.1	6.2	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.5
Underground coal mines	18.8	19.1	19.8	19.8	17.7	17.6	18.3	20.5	21.3	19.2	21.0	20.4	19.2	18.9	19.2	20.7	21.4	23.8	23.7	22.8	21.6	22.1	21.5	20.7	19.2	21.3	21.0	21.0	21.0	19.8	22.7	21.5	21.6	20.9	20.2	20.3	21.1	22.0	22.3	22.6	23.4	23.6
LNG																													6.3	8.5	9.0	7.9	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Gas (other than LNG)																													14.3	14.6	14.3	14.0	13.8	13.8	14.0	13.9	13.9	14.1	14.1	14.0	14.0	13.8
Oil	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.1	2.2	1.9	2.4	2.5	2.4	2.3	2.1	1.9	1.7	1.9	1.9	1.7	2.3	1.7	1.2	1.1	1.4	2.0	1.8	1.8	1.8	1.3	1.5	1.6	1.5	1.5	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.1
Historical - LNG and other gas	12.9	12.8	14.0	12.6	12.0	13.1	13.0	13.1	12.3	11.3	12.0	11.8	11.2	10.7	11.1	10.5	11.1	10.6	11.0	12.1	12.7	13.1	13.8	14.4	14.2	15.2	18.2	20.6														



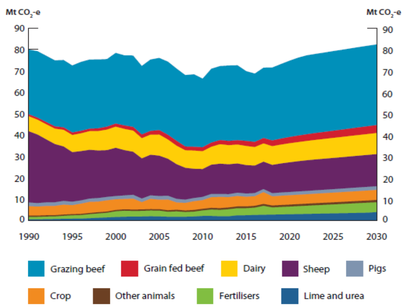
Industrial processes and product use emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Other product manufacture and use	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other production	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Non-energy products from fuel and solvent use	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Mineral industry	5.5	5.2	5.0	5.2	6.0	5.8	5.7	6.0	6.4	6.4	6.2	6.2	6.3	6.4	6.4	6.5	6.7	7.0	6.9	6.4	6.3	6.4	6.4	6.1	5.8	5.6	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Metal industry	16.5	16.2	16.8	15.4	15.3	14.9	15.0	14.8	15.1	15.2	14.8	14.6	14.5	15.6	16.2	14.4	13.5	13.9	13.6	11.6	13.4	14.0	11.8	10.6	10.1	10.2	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3
Chemical industry	3.5	3.4	3.6	4.5	3.7	3.8	3.2	3.1	3.3	3.3	3.6	4.2	4.3	5.0	5.2	5.6	6.2	6.8	6.7	6.4	6.9	6.1	5.8	5.2	5.2	4.5	4.4	4.3	4.3	4.4	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.9	4.9	5.0	5.1
Product uses as substitutes for ozone depleting substances	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.4	1.6	2.3	2.9	3.6	4.3	5.0	5.5	6.1	6.8	7.5	8.2	8.8	9.4	10.0	10.8	11.5	12.3	13.2	13.3	13.4	13.4	13.3	13.0	12.8	12.5	12.4	12.1	11.9	11.6	11.3	11.0



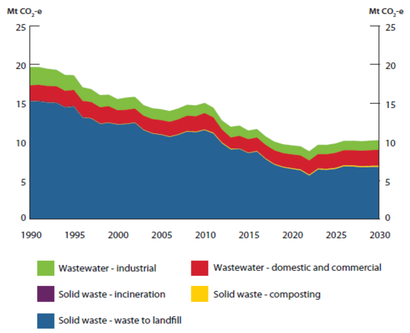
Agriculture emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Other animals	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Pigs	1.7	1.6	1.7	1.7	1.8	1.6	1.5	1.5	1.7	1.6	1.5	1.7	1.8	1.7	1.6	1.7	1.7	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
Lime and urea	0.9	0.9	1.0	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.7	2.1	2.2	2.3	1.8	1.8	1.9	2.0	2.0	2.0	2.1	2.4	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7
Grain fed beef	1.2	1.1	1.2	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.7	2.8	2.6	2.6	2.7	2.7	2.3	2.5	2.2	2.3	2.6	3.0	3.0	3.3	3.3	3.3	3.4	4.2	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.7	4.8
Fertilisers	0.6	0.6	0.7	0.8	0.9	0.9	0.9	1.2	1.3	1.5	1.7	1.8	1.9	1.9	2.0	2.0	1.8	1.8	1.8	1.9	2.2	2.2	2.0	2.0	2.5	2.5	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8
Crop	4.4	4.2	4.3	4.3	4.6	4.2	4.8	5.2	4.9	5.2	5.0	4.8	5.1	3.4	4.8	4.4	5.0	3.4	3.5	4.1	4.1	5.0	5.2	4.8	4.8	4.5	4.5	5.5	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7
Dairy	7.0	6.9	7.0	7.2	7.7	8.0	8.3	8.7	9.1	9.6	9.8	9.9	9.9	9.4	9.4	9.8	9.0	8.6	8.2	8.5	8.3	8.3	9.1	8.9	8.8	8.9	8.6	8.5	8.7	8.8	8.9	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8
Sheep	33.3	32.0	29.5	27.2	25.4	23.1	23.0	22.8	22.2	21.9	22.6	21.1	20.1	18.8	19.0	18.9	17.3	16.2	14.9	13.7	13.0	13.7	14.1	14.0	13.7	13.3	12.9	12.8	13.2	13.6	13.9	14.1	14.3	14.4	14.5	14.6	14.7	14.8	14.8	14.9	15.0
Grazing beef	30.3	31.1	31.0	30.9	31.5	31.3	32.2	32.3	32.2	31.6	33.0	32.8	33.4	32.0	33.4	33.8	34.2	33.8	33.4	33.9	32.1	34.5	34.6	35.3	35.0	32.6	32.0	32.9	34.1	34.9	35.7	36.4	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7



Waste emissions, 1990 to 2030 (Mt CO_2-e)

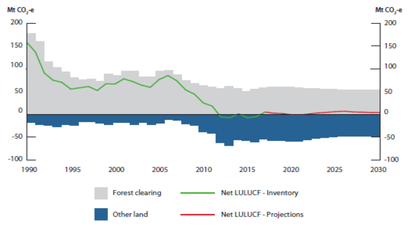
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Solid waste- waste to landfill	15.2	15.2	15.1	15.0	14.4	14.6	13.1	13.0	12.3	12.4	12.2	12.3	12.5	11.5	11.1	10.9	10.6	10.9	11.3	11.2	11.5	11.1	9.8	9.0	9.1	8.5	8.7	7.7	7.0	6.7	6.5	6.3	5.6	6.4	6.4	6.5	6.8	6.8	6.7	6.7	6.8
Solid waste- composting	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.11	0.11	0.11	0.06	0.06	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16
Solid waste- incineration	0.09	0.09	0.09	0.09	0.09	0.09	0.07	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Wastewater- domestic and commercial	2.0	2.0	2.0	2.1	2.0	2.0	2.1	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.0	1.6	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0
Wastewater- industrial	2.4	2.3	2.2	2.1	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.4	1.3	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3



Land use, land-use change and forestry emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Forest clearing	177.2	160.1	114.7	101.6	92.5	80.0	75.3	77.5	72.3	89.1	84.4	95.4	94.4	82.0	81.4	95.1	96.6	87.0	74.2	67.8	63.4	59.7	56.6	61.9	56.7	49.7	55.5	59.0	60.3	59.5	58.7	57.9	57.1	56.3	55.5	54.8	54.2	53.5	53.1	52.8	52.6
Other land	-18.9	-23.4	-24.1	-27.0	-22.5	-24.9	-17.2	-16.5	-20.1	-22.1	-18.0	-17.7	-22.5	-18.0	-22.2	-18.9	-11.6	-13.4	-20.6	-23.8	-38.5	-41.6	-62.7	-69.6	-55.7	-57.4	-60.7	-54.2	-57.9	-58.0	-59.3	-59.2	-56.3	-53.3	-51.4	-49.0	-47.6	-48.5	-48.6	-48.9	-48.7
Net LULUCF - Inventory	158.3	136.6	90.6	74.7	70.0	55.2	58.1	61.0	52.2	67.0	66.4	77.7	71.9	63.9	59.2	76.2	85.0	73.5	53.6	44.0	24.9	18.1	-6.1	-7.7	1.0	-7.7	-5.3	4.8													
Net LULUCF - Projections																												4.8	2.4	1.5	-0.6	-1.3	0.8	2.9	4.2	5.8	6.6	5.1	4.5	3.8	4.0

**Note: Emissions are presented under UNFCCC inventory reporting categories consistent with Australia's 2030 target.*



Kyoto Protocol: Australia's emissions, 1990 to 2030 (Mt CO_2-e)

The data presented in Figure 3 in *Australia's emissions projections 2017* is calculated using the UNFCCC classifications. The following data is presented under Kyoto Protocol categories consistent with Australia's 2020 target. Differences between the classification systems impact the estimate of emissions in the LULUCF sector.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Electricity	130	132	135	136	137	143	148	153	165	172	175	183	184	187	195	197	201	204	206	212	205	199	199	187	181	189	195	191	182	174	176
Direct combustion	66	67	67	69	69	71	71	73	73	74	75	75	77	78	80	82	81	82	84	84	84	86	90	93	94	91	94	97	100	104	105
Transport	61	61	62	63	65	68	70	72	72	73	74	74	76	77	80	82	82	85	87	87	89	91	92	92	93	95	96	97	98	99	102
Fugitives	37	37	40	38	36	37	37	40	40	37	40	40	38	37	37	39	40	42	42	42	42	42	42	42	41	45	48	49	51	54	51
Agriculture	80	79	77	75	75	73	74	75	75	76	78	77	77	72	75	76	74	71	68	68	66	71	72	73	73	70	69	72	72	73	75
Industrial processes	26	25	26	26	26	25	25	25	27	27	27	28	29	31	33	32	32	34	35	32	35	36	34	33	32	32	33	34	34	34	34
Waste	20	20	19	19	19	19	17	17	16	16	16	16	16	15	14	14	14	14	15	15	15	14	13	12	12	12	12	11	10	10	10
LULUCF	163	142	94	76	75	64	63	65	58	70	70	81	78	67	65	84	86	73	55	52	27	18	6	-2	5	5	-2	6	4	5	3
Total (incl. LULUCF)	583	563	520	502	501	499	505	519	526	544	554	573	573	565	580	605	611	606	591	593	564	556	548	529	531	538	543	556	551	553	554
Trajectory to minus 5% target																								598	588	578	568	557	547	537	527

Australian Government
Department of the Environment and Energy

Australia's emissions projections 2017

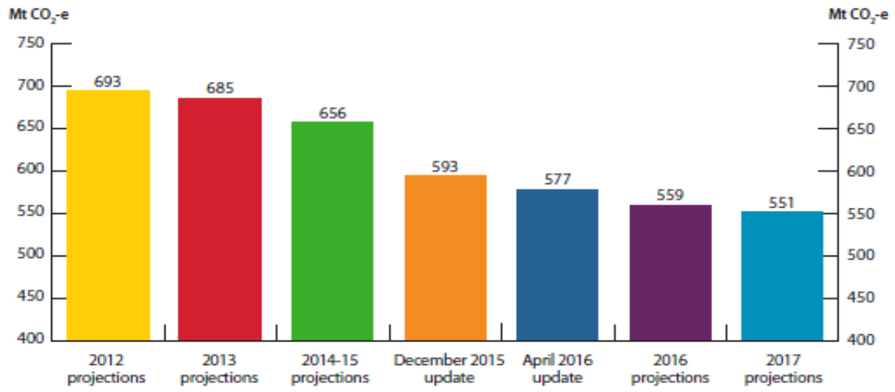
v1.0 19 December 2017

List of charts

*Note: The data presented has been rounded to a set decimal point. This can create rounding impacts which may result in small differences to the figures presented in *Australia's emissions projections 201* 7.
**Note: Totals may not sum due to rounding.
***Note: The estimate of historical emissions (1990-2017) may be different by a small amount to those published in the *Quarterly Update of Australia's National Greenhouse Gas Inventory: June 2017* due to different emissions accounting treatments and the application of policies.

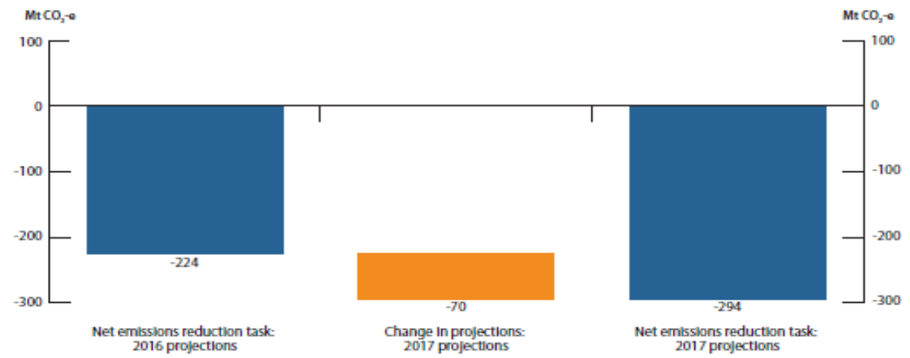
Projected emissions in 2020 over time (Mt CO_2-e)

	Emissions in 2020
2012 projections	693
2013 projections	685
2014-15 projections	656
December 2015 update	593
April 2016 update	577
2016 projections	559
2017 projections	551



Change in the cumulative emissions reduction task for 2020 target (Mt CO_2-e)

	Emissions
Net emissions reduction task: 2016 projections	-224
Change in projections: 2017 projections	-70
Net emissions reduction task: 2017 projections	-294



PROTECTED - SENSITIVE - CONFIDENCE CABINET

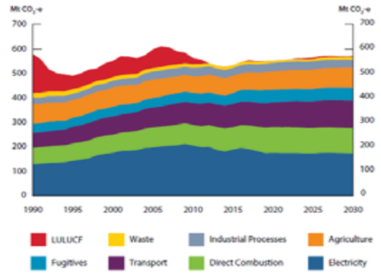
Australia's emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Electricity	130	132	135	136	137	143	148	153	165	172	175	183	184	187	195	197	201	204	206	212	205
Direct combustion	66	67	67	69	69	71	71	73	73	74	75	75	77	78	80	82	81	82	84	84	84
Transport	61	61	62	63	65	68	70	72	72	73	74	74	76	77	80	82	82	85	87	87	89
Fugitives	37	37	40	38	36	37	37	40	40	37	40	40	38	37	37	39	40	42	42	42	42
Agriculture	80	79	77	75	75	73	74	75	75	76	78	77	77	72	75	76	74	71	68	68	66
Industrial processes	26	25	26	26	26	25	25	25	27	27	27	28	29	31	33	32	32	34	35	32	35
Waste	20	20	19	19	19	19	17	17	16	16	16	6	16	15	14	14	14	14	15	15	15
LULUCF	158	137	91	75	70	55	58	61	52	67	66	78	72	64	59	76	85	74	54	44	25
Total (incl. LULUCF)	578	557	516	501	496	490	500	515	520	541	551	570	568	561	574	597	610	606	590	584	562

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Electricity	199	199	187	181	189	195	191	182	174	176	175	175	175	173	173	175	176	175	174	173
Direct combustion	86	90	93	94	91	94	97	100	104	05	105	105	105	104	103	103	103	103	103	103
Transport	91	92	92	93	95	96	97	98	99	02	103	105	107	108	109	110	110	111	112	112
Fugitives	42	42	42	41	45	48	49	51	54	51	51	51	51	50	51	52	52	53	53	53
Agriculture	71	72	73	73	70	69 a		72	73	75	76	77	78	79	79	80	81	81	82	82
Industrial processes	36	34	33	32	32	33	34	34	34	34	34	34	34	34	34	33	33	33	33	33
Waste	14	13	12	12	12	12	11	10	10	10	9	9	10	0	10	10	10	10	10	10
LULUCF	18	-6	-8	1	-8	-5	5	2	2	-1	-1	1	3	4	6	7	5	5	4	4
Total (incl. LULUCF)	557	535	524	527	526	540	554	549	550	551	553	557	561	562	564	570	571	570	570	570

**Note: Emissions are presented under UNFCCC inventory reporting categories consistent with Australia s 2030 target.*

***Note: Australia s emissions under Kyoto Protocol reporting categories are presented in the "Kyoto Protocol Categor es" tab consistent with Australia s 2020 target.*



s 34(1)(c) and 34(3)

s 34(1)(c) and 34(3)

s 22

s 34(1)(c) and s34(3)

s 34(1)(c) and s34(3)

s 34(1)(c) and 34(3)

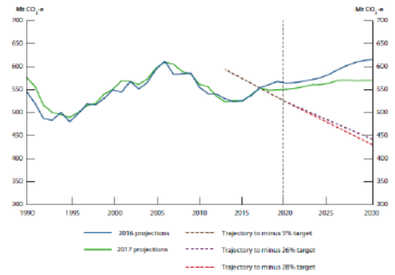
PROTECTED - SENSITIVE - CONFIDENCE CABINET

Australia's emissions trends, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2016 projections	548	520	488	483	501	480	498	519	517	532	550	545	568	552	566	595	612	584	585	586	556	541	540	530	524	527	538	554	561	568	565	566	568	572	576	584	594	602	610	614	616
2017 projections	578	557	516	501	496	490	500	515	520	541	551	570	568	561	574	597	610	606	590	584	562	557	535	524	527	526	540	554	549	550	551	553	557	561	562	564	570	571	570	570	570
Trajectory to minus 5% target*																								598	588	578	568	557	547	537	527											
Trajectory to minus 26% target																															524	515	507	499	491	483	475	467	458	450	442
Trajectory to minus 28% target																															524	514	505	496	486	477	468	458	449	440	430

s 34(1)(c) and s 34(3)

Note: Australia's 2020 target is accounted for using Kyoto Protocol reporting categories (see the "Kyoto Protocol Categories" tab).

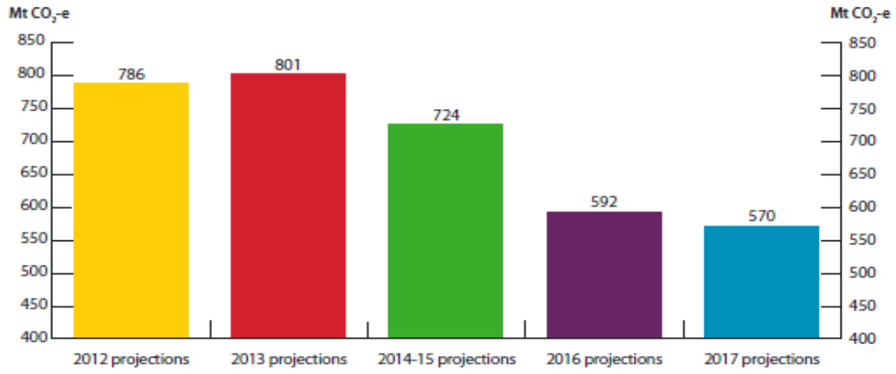


s 34(1)(c) and s 34(3)

s 34(1)(c) and 34(3)

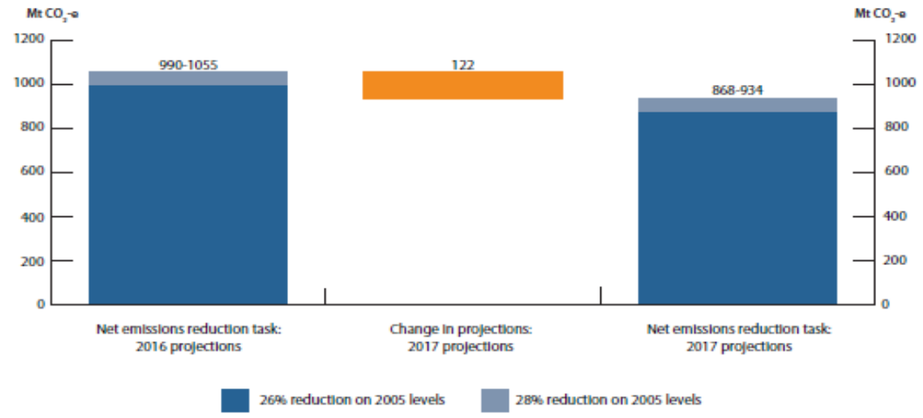
Projected emissions in 2030 over time (Mt CO_2-e)

	Emissions in 2030
2012 projections	786
2013 projections	801
2014-15 projections	724
2016 projections	592
2017 projections	570



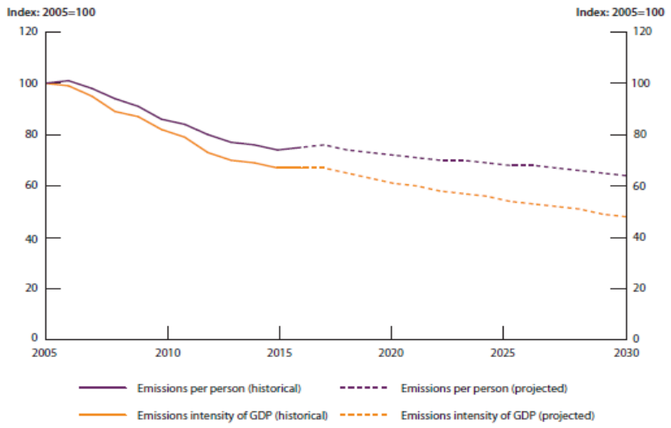
Change in the cumulative emissions reduction task for 2030 target (Mt CO_2-e)

	26% reduction on 2005 levels	28% reduction on 2005 levels
Net emissions reduction task: 2016 projections	990	1,055
Change in projections: 2017 projections	122	121
Net emissions reduction task: 2017 projections	868	934



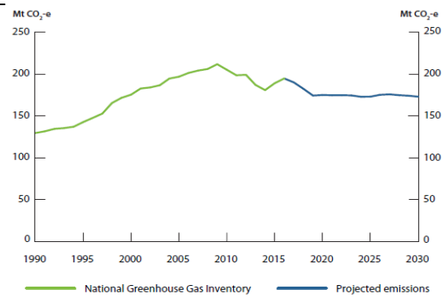
Emissions per person and emissions intensity of GDP, 2005 to 2030 (Index: 2005=100)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Emissions per person (historical)	100.0	100.8	98.5	94.1	91.2	86.2	84.2	79.6	76.5	75.9	74.3	75.2	75.7													
Emissions per person (projected)													75.7	73.8	72.7	71.6	70.8	70.1	69.6	68.7	68.0	67.7	66.9	65.9	65.0	64.2
Emissions intensity of GDP (historical)	100.0	99.2	94.9	89.1	86.7	81.8	79.1	73.4	70.0	68.6	66.9	66.9	67.3													
Emissions intensity of GDP (projected)													67.3	64.9	63.1	61.4	59.8	58.4	57.2	55.6	54.4	53.5	52.1	50.6	49.3	48.0



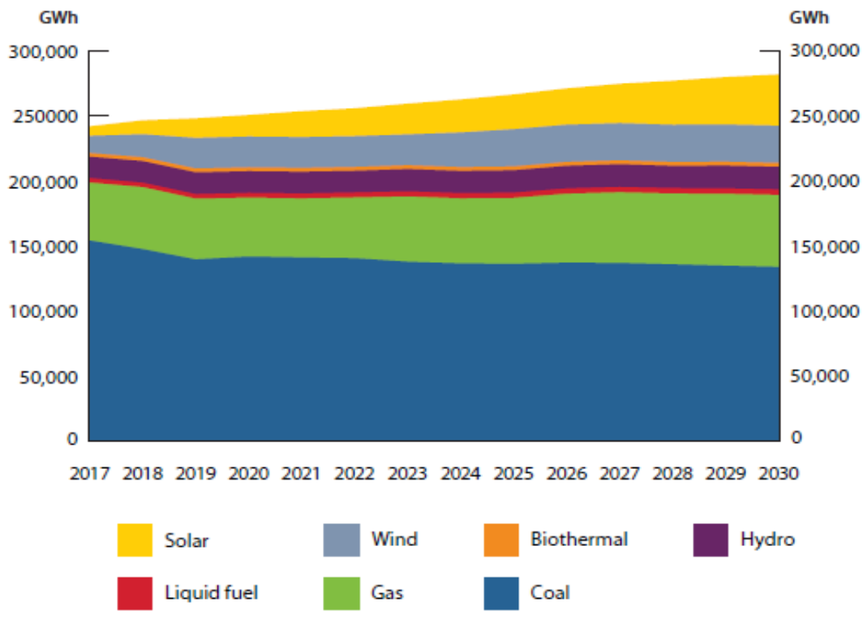
Electricity emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
National greenhouse gas inventory	129.6	131.7	134.6	135.5	137.1	142.7	147.7	152.8	165.4	171.6	175.4	182.7	184.0	186.6	194.6	196.8	201.3	204.1	206.0	211.7	205.1	198.5	199.1	187.0	180.8	189.0	194.7	190.5													
2017 projections																												190.5	182.4	174.3	175.5	174.7	174.8	174.5	172.9	173.0	175.2	175.8	174.8	174.1	173.3



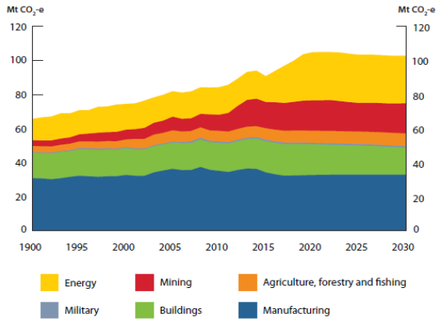
Projected sent-out electricity generation by fuel, 2017 to 2030 (GWh)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Coal	153,945	147,289	139,377	141,586	140,879	140,323	137,617	136,306	135,985	136,896	136,655	135,649	134,588	133,641
Gas	44,394	47,596	46,611	45,196	45,332	46,587	50,133	49,941	50,604	52,908	54,244	54,322	55,171	55,228
Liquid fuel	3,549	3,397	3,557	3,751	3,844	3,907	3,969	4,027	4,077	4,119	4,158	4,195	4,229	4,263
Hydro	16,376	16,603	16,677	16,619	16,661	16,604	17,045	17,043	17,161	17,339	17,431	17,045	17,438	17,350
Wind	13,110	17,585	23,412	23,578	23,576	23,576	23,576	26,498	28,516	28,516	28,516	28,517	28,513	28,513
Biothermal	2,839	2,993	3,003	2,997	2,989	2,987	2,995	3,003	2,997	3,006	3,009	3,012	3,006	3,005
Solar	7,426	10,782	15,128	16,650	19,966	21,510	23,710	25,433	26,761	28,005	30,316	33,895	36,523	39,502



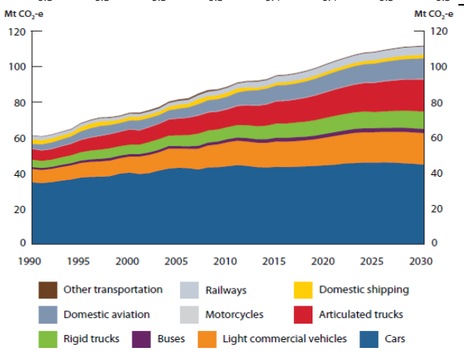
Direct combustion emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Energy	12.6	13.7	14.1	14.9	14.1	14.3	13.8	15.3	15.1	16.1	15.2	15.2	16.1	15.0	15.2	15.0	15.5	15.9	15.7	15.8	16.3	16.6	16.1	16.5	16.6	15.3	18.5	22.0	24.2	27.3	28.3	28.4	28.3	28.6	28.5	28.4	28.3	28.3	28.1	28.1	28.0
Mining	3.4	3.4	3.6	3.7	3.7	4.2	4.6	5.3	5.3	5.5	5.8	5.8	6.5	7.0	7.2	8.0	7.5	7.5	8.0	9.5	9.5	11.0	13.6	15.7	16.1	15.4	16.1	16.3	16.9	17.6	17.8	18.0	18.1	17.6	17.2	16.8	17.0	17.2	17.1	17.4	17.7
Manufacturing	30.9	30.7	30.2	30.8	31.6	32.3	32.0	31.7	31.9	32.0	32.7	32.3	32.3	34.3	35.4	36.3	35.6	35.7	37.4	35.8	35.2	34.5	35.7	36.5	36.3	34.2	33.1	32.3	32.4	32.6	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
Buildings	15.0	14.9	15.2	15.5	15.1	15.5	15.8	15.7	15.8	15.6	15.7	15.5	15.5	15.4	15.3	15.4	15.8	15.9	16.1	16.2	16.4	16.7	17.0	17.3	17.7	18.3	18.5	18.5	18.5	18.3	18.0	17.8	17.6	17.5	17.3	17.1	16.9	16.7	16.5	16.2	15.8
Agriculture, forestry and fishing	3.5	3.5	3.5	3.7	3.8	3.9	3.9	4.1	4.2	4.3	4.5	5.5	5.6	6.2	6.2	6.6	6.2	6.0	6.1	6.1	6.2	6.2	6.3	6.4	6.4	6.7	6.8	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
Military	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	1.0	1.0	0.8	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



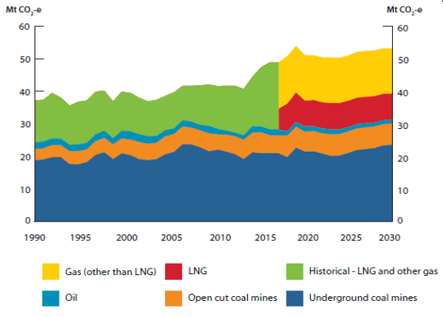
Transport emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Cars	34.8	34.4	34.9	35.7	36.4	37.5	37.9	38.0	38.3	39.7	40.3	39.5	40.0	41.5	42.6	43.0	42.8	42.0	43.2	43.3	43.9	44.5	44.1	43.4	43.2	43.5	43.4	43.6	43.8	44.1	44.4	44.7	45.5	45.7	46.0	45.9	46.0	45.9	45.5	45.3	44.8
Light commercial vehicles	7.5	7.4	7.5	7.7	7.9	8.3	8.5	8.6	8.8	8.7	9.1	9.8	10.3	10.3	11.3	10.9	11.0	11.7	12.4	12.9	13.5	13.7	13.7	13.8	13.9	14.3	14.4	14.5	14.7	15.1	15.6	16.2	16.4	17.0	17.1	17.1	17.2	17.3	17.7	17.7	17.8
Motorcycles	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Buses	1.2	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.6	1.6	1.6	1.7	1.8	2.0	2.0	2.0	2.1	2.2	2.2	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Rigid trucks	4.1	4.0	4.0	4.2	4.4	4.7	4.9	5.2	5.4	5.3	5.3	5.3	5.8	6.0	5.9	6.1	6.3	6.9	6.8	6.8	6.8	7.0	7.2	7.3	7.6	8.0	8.1	8.3	8.5	8.7	9.0	9.2	9.3	9.3	9.4	9.1	9.3	9.4	9.6	9.7	9.9
Articulated trucks	6.1	5.9	6.0	6.2	6.5	6.9	7.3	7.7	8.0	8.1	8.6	8.1	8.4	8.6	9.1	9.5	9.8	10.2	10.2	10.1	10.1	10.7	11.3	11.5	12.0	12.6	12.8	13.0	13.5	14.0	14.4	14.9	15.3	15.7	16.1	16.5	16.9	17.2	17.6	17.8	18.1
Domestic aviation	2.6	3.3	3.5	3.7	3.9	4.6	5.1	5.4	4.9	4.8	5.0	5.5	4.9	4.7	4.9	5.4	5.7	6.1	6.6	6.7	6.8	7.3	7.9	8.5	8.6	8.6	8.7	8.7	8.9	9.2	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.2	11.4	11.6
Domestic shipping	2.6	2.3	2.4	2.2	2.0	2.5	2.6	2.6	2.2	2.0	2.1	2.0	2.0	1.9	2.1	2.3	2.1	2.9	2.2	2.2	2.4	2.4	1.9	1.5	1.4	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0
Railways	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.9	2.1	2.1	2.1	2.2	2.6	2.7	2.7	2.8	3.1	3.3	3.4	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7
Other transportation	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



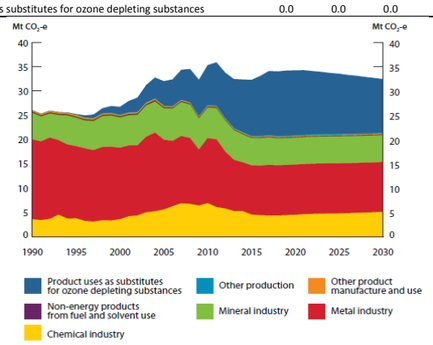
Fugitive emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Open cut coal mines	3.4	3.4	3.7	3.7	3.9	4.0	3.9	4.2	4.4	4.5	4.5	4.8	5.2	5.0	5.0	5.5	5.5	5.4	5.1	5.2	5.5	4.7	5.2	5.5	5.9	6.0	6.4	5.5	5.5	6.6	6.4	6.1	6.2	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.5
Underground coal mines	18.8	19.1	19.8	19.8	17.7	17.6	18.3	20.5	21.3	19.2	21.0	20.4	19.2	18.9	19.2	20.7	21.4	23.8	23.7	22.8	21.6	22.1	21.5	20.7	19.2	21.3	21.0	21.0	21.0	19.8	22.7	21.5	21.6	20.9	20.2	20.3	21.1	22.0	22.3	22.6	23.4	23.6
LNG																													6.3	8.5	9.0	7.9	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Gas (other than LNG)																													14.3	14.6	14.3	14.0	13.8	13.8	14.0	13.9	13.9	14.1	14.1	14.0	14.0	13.8
Oil	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.1	2.2	1.9	2.4	2.5	2.4	2.3	2.1	1.9	1.7	1.9	1.9	1.7	2.3	1.7	1.2	1.1	1.4	2.0	1.8	1.8	1.8	1.3	1.5	1.6	1.5	1.5	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.1
Historical - LNG and other gas	12.9	12.8	14.0	12.6	12.0	13.1	13.0	13.1	12.3	11.3	12.0	11.8	11.2	10.7	11.1	10.5	11.1	10.6	11.0	12.1	12.7	13.1	13.8	14.4	14.2	15.2	18.2	20.6														



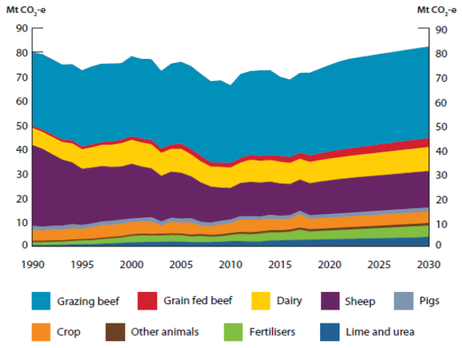
Industrial processes and product use emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Other product manufacture and use	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other production	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Non-energy products from fuel and solvent use	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Mineral industry	5.5	5.2	5.0	5.2	6.0	5.8	5.7	6.0	6.4	6.4	6.2	6.2	6.3	6.4	6.4	6.5	6.7	7.0	6.9	6.4	6.3	6.4	6.4	6.1	5.8	5.6	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Metal industry	16.5	16.2	16.8	15.4	15.3	14.9	15.0	14.8	15.1	15.2	14.8	14.6	14.5	15.6	16.2	14.4	13.5	13.9	13.6	11.6	13.4	14.0	11.8	10.6	10.1	10.2	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3
Chemical industry	3.5	3.4	3.6	4.5	3.7	3.8	3.2	3.1	3.3	3.3	3.6	4.2	4.3	5.0	5.2	5.6	6.2	6.8	6.7	6.4	6.9	6.1	5.8	5.2	5.2	4.5	4.4	4.3	4.3	4.4	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.9	4.9	5.0	5.1
Product uses as substitutes for ozone depleting substances	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.4	1.6	2.3	2.9	3.6	4.3	5.0	5.5	6.1	6.8	7.5	8.2	8.8	9.4	10.0	10.8	11.5	12.3	13.2	13.3	13.4	13.4	13.3	13.0	12.8	12.5	12.4	12.1	11.9	11.6	11.3	11.0



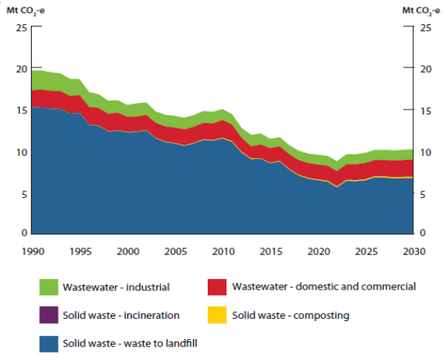
Agriculture emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Other animals	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Pigs	1.7	1.6	1.7	1.7	1.8	1.6	1.5	1.5	1.7	1.6	1.5	1.7	1.8	1.7	1.6	1.7	1.7	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
Lime and urea	0.9	0.9	1.0	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.7	2.1	2.2	2.3	1.8	1.8	1.9	2.0	2.0	2.0	2.1	2.4	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7
Grain fed beef	1.2	1.1	1.2	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.7	2.8	2.6	2.6	2.7	2.7	2.3	2.5	2.2	2.3	2.6	3.0	3.0	3.3	3.3	3.3	3.4	4.2	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.7	4.8
Fertilisers	0.6	0.6	0.7	0.8	0.9	0.9	0.9	1.2	1.3	1.5	1.7	1.8	1.9	1.9	2.0	2.0	1.8	1.8	1.8	1.9	2.2	2.2	2.0	2.0	2.5	2.5	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8
Crop	4.4	4.2	4.3	4.3	4.6	4.2	4.8	5.2	4.9	5.2	5.0	4.8	5.1	3.4	4.8	4.4	5.0	3.4	3.5	4.1	4.1	5.0	5.2	4.8	4.8	4.5	4.5	5.5	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7
Dairy	7.0	6.9	7.0	7.2	7.7	8.0	8.3	8.7	9.1	9.6	9.8	9.9	9.9	9.4	9.4	9.8	9.0	8.6	8.2	8.5	8.3	8.3	9.1	8.9	8.8	8.9	8.6	8.5	8.7	8.8	8.9	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8
Sheep	33.3	32.0	29.5	27.2	25.4	23.1	23.0	22.8	22.2	21.9	22.6	21.1	20.1	18.8	19.0	18.9	17.3	16.2	14.9	13.7	13.0	13.7	14.1	14.0	13.7	13.3	12.9	12.8	13.2	13.6	13.9	14.1	14.3	14.4	14.5	14.6	14.7	14.8	14.8	14.9	15.0
Grazing beef	30.3	31.1	31.0	30.9	31.5	31.3	32.2	32.3	32.2	31.6	33.0	32.8	33.4	32.0	33.4	33.8	34.2	33.8	33.4	33.9	32.1	34.5	34.6	35.3	35.0	32.6	32.0	32.9	34.1	34.9	35.7	36.4	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7



Waste emissions, 1990 to 2030 (Mt CO_2-e)

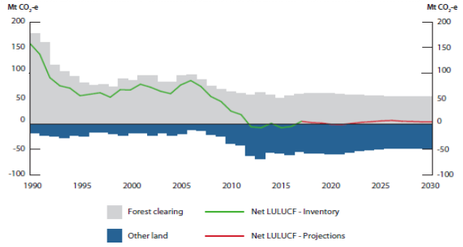
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Solid waste- waste to landfill	15.2	15.2	15.1	15.0	14.4	14.6	13.1	13.0	12.3	12.4	12.2	12.3	12.5	11.5	11.1	10.9	10.6	10.9	11.3	11.2	11.5	11.1	9.8	9.0	9.1	8.5	8.7	7.7	7.0	6.7	6.5	6.3	5.6	6.4	6.4	6.5	6.8	6.8	6.7	6.7	6.8
Solid waste- composting	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.11	0.11	0.11	0.06	0.06	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16
Solid waste- incineration	0.09	0.09	0.09	0.09	0.09	0.09	0.07	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Wastewater- domestic and commercial	2.0	2.0	2.0	2.1	2.0	2.0	2.1	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.0	1.6	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0
Wastewater- industrial	2.4	2.3	2.2	2.1	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.4	1.3	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3



Land use, land-use change and forestry emissions, 1990 to 2030 (Mt CO_2-e)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Forest clearing	177.2	160.1	114.7	101.6	92.5	80.0	75.3	77.5	72.3	89.1	84.4	95.4	94.4	82.0	81.4	95.1	96.6	87.0	74.2	67.8	63.4	59.7	56.6	61.9	56.7	49.7	55.5	59.0	60.3	59.5	58.7	57.9	57.1	56.3	55.5	54.8	54.2	53.5	53.1	52.8	52.6
Other land	-18.9	-23.4	-24.1	-27.0	-22.5	-24.9	-17.2	-16.5	-20.1	-22.1	-18.0	-17.7	-22.5	-18.0	-22.2	-18.9	-11.6	-13.4	-20.6	-23.8	-38.5	-41.6	-62.7	-69.6	-55.7	-57.4	-60.7	-54.2	-57.9	-58.0	-59.3	-59.2	-56.3	-53.3	-51.4	-49.0	-47.6	-48.5	-48.6	-48.9	-48.7
Net LULUCF - Inventory	158.3	136.6	90.6	74.7	70.0	55.2	58.1	61.0	52.2	67.0	66.4	77.7	71.9	63.9	59.2	76.2	85.0	73.5	53.6	44.0	24.9	18.1	-6.1	-7.7	1.0	-7.7	-5.3	4.8													
Net LULUCF - Projections																												4.8	2.4	1.5	-0.6	-1.3	0.8	2.9	4.2	5.8	6.6	5.1	4.5	3.8	4.0

**Note: Emissions are presented under UNFCCC inventory reporting categories consistent with Australia's 2030 target.*



Kyoto Protocol: Australia's emissions, 1990 to 2030 (Mt CO_2-e)

The data presented in Figure 3 in *Australia's emissions projections 2017* is calculated using the UNFCCC classifications. The following data is presented under Kyoto Protocol categories consistent with Australia's 2020 target. Differences between the classification systems impact the estimate of emissions in the LULUCF sector.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Electricity	130	132	135	136	137	143	148	153	165	172	175	183	184	187	195	197	201	204	206	212	205	199	199	187	181	189	195	191	182	174	176
Direct combustion	66	67	67	69	69	71	71	73	73	74	75	75	77	78	80	82	81	82	84	84	84	86	90	93	94	91	94	97	100	104	105
Transport	61	61	62	63	65	68	70	72	72	73	74	74	76	77	80	82	82	85	87	87	89	91	92	92	93	95	96	97	98	99	102
Fugitives	37	37	40	38	36	37	37	40	40	37	40	40	38	37	37	39	40	42	42	42	42	42	42	42	41	45	48	49	51	54	51
Agriculture	80	79	77	75	75	73	74	75	75	76	78	77	77	72	75	76	74	71	68	68	66	71	72	73	73	70	69	72	72	73	75
Industrial processes	26	25	26	26	26	25	25	25	27	27	27	28	29	31	33	32	32	34	35	32	35	36	34	33	32	32	33	34	34	34	34
Waste	20	20	19	19	19	19	17	17	16	16	16	16	16	15	14	14	14	14	15	15	15	14	13	12	12	12	12	11	10	10	10
LULUCF	163	142	94	76	75	64	63	65	58	70	70	81	78	67	65	84	86	73	55	52	27	18	6	-2	5	5	-2	6	4	5	3
Total (incl. LULUCF)	583	563	520	502	501	499	505	519	526	544	554	573	573	565	580	605	611	606	591	593	564	556	548	529	531	538	543	556	551	553	554
Trajectory to minus 5% target																								598	588	578	568	557	547	537	527