

# Appendices

<p><b>STUDY OF THE IMPACT OF MINIMUM ENERGY PERFORMANCE REQUIREMENTS FOR CLASS 1 BUILDINGS IN VICTORIA</b></p>
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Project for the

**THE AUSTRALIAN GREENHOUSE OFFICE**

And

**The Sustainable Energy Authority of Victoria**

by

**Energy Efficient Strategies**

with assistance from

**Energy Partners**

**George Wilkenfeld & Associates**

**8 August 2000**

# Appendices

Appendix A : Sample Houses – Summary Details

Appendix B : Building Activity By Postcode and Climate Zone

Appendix C : Appliance Ownership Details

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# **Appendix A :**

## **Sample Houses – Summary Details**

# Summary of Sample Houses 1990

(Star ratings are for houses with levels of insulation compliant with the Min Insulation requirements of the BCA)

Council	House Type	Construction	No. Storeys	Climate Zone	Star Rating (compliant)	Net Cond.			File Reference
						Floor Area m2	External wall area m2	Glazing Area m2	
Ballarat	Attached	BV - Conc. floor	Single	24	2.25	80.2	86	23.4	Obac1276.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.31	82.6	95	29.9	Obdc1275.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.89	116.9	121	28.2	Obdc1280.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.26	120.7	115	31.9	Obdc1281.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.99	135.8	145	47.2	Obdc1282.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.5	76.8	97	26.2	Obdc1283.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	0.83	140.6	126	35	Obdc1285.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	2.24	82.6	96	19.7	Obdt1116.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	2.64	71.4	100	16.8	Obdt1277.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	2.38	137.8	179	50.1	Obdt1278.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	0.97	135.9	155	36.7	Obdt1279.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	2.01	146.5	288	57	Obdt1284.1rt
Casey	Detached	BV - Conc. floor	Single	21	1.97	77.5	100	30.9	Ocdc1027.1rt
Casey	Detached	BV - Conc. floor	Single	21	1.24	135.3	147	46.8	Ocdc1028.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.73	86.9	103	24.2	Ocdc1029.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.73	110.1	107	31.6	Ocdc1030.1rt
Casey	Detached	BV - Conc. floor	Single	21	0.89	94.9	107	29.3	Ocdc1031.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.26	91.5	126	31.1	Ocdc1032.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.58	119.4	131	28.5	Ocdc1065.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.16	93.9	107	29.6	Ocdc1198.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.07	97.7	110	38.4	Ocdc1199.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.85	106.1	113	30.2	Ocdc1200.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.35	119.6	130	45.6	Ocdc1338.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.72	128.6	135	38.2	Ocdc1339.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.79	107.6	112	38.3	Ocdc1340.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.92	99.9	112	23	Ocdc1341.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.33	112.7	121	42.9	Ocdc1342.1rt
Casey	Detached	BV - Conc. floor	Single	21	3.01	100.8	109	23.9	Ocdc1343.1rt
Casey	Detached	BV - Conc. floor	Single	21	3.1	118	114	33.7	Ocdc1348.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.23	88.1	107	25.3	Ocdc1411.1rt
Casey	Detached	BV - Conc. floor	Single	21	3.1	118	114	33.7	Ocdc1429.1rt
Casey	Detached	BV - Timb. floor	Single	21	1.93	81.4	102	28.8	Ocdt1033.1rt
Casey	Detached	BV - Timb. floor	Single	21	1.91	93.4	120	32.9	Ocdt1034.1rt
Casey	Detached	BV - Timb. floor	Single	21	0.92	148.2	152	49	Ocdt1201.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.31	82.1	95	23.2	Ocdt1202.1rt
Casey	Detached	BV - Timb. floor	Multi	21	2.14	155.8	183	47.1	Ocdt2035.1rt
Casey	Detached	BV - Timb. floor	Multi	21	2.23	155.8	183	47.1	Ocdt2036.1rt
Hume	Detached	BV - Conc. floor	Single	21	1.96	110.3	91	30.8	Ohdc1140.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.87	105.9	118	36.7	Ohdc1142.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.48	129.2	143	45.9	Ohdc1143.1rt
Hume	Detached	BV - Conc. floor	Single	21	3.1	158	147	50.2	Ohdc1144.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.66	87.7	98	21.4	Ohdc1166.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.37	94.9	96	30.2	Ohdc1183.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.59	85.6	98	32.3	Ohdc1184.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.5	67.8	82	16.7	Ohdc1185.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.91	120.5	126	33.1	Ohdc1186.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.05	88.1	103	26.8	Ohdc1197.1rt
Hume	Detached	BV - Timb. floor	Single	21	1.79	105.6	113	44.8	Ohdt1137.1rt
Hume	Detached	BV - Timb. floor	Single	21	2.19	229.2	170	72.3	Ohdt1139.1rt
Hume	Detached	BV - Timb. floor	Single	21	2.04	75.6	101	29.7	Ohdt1141.1rt
Hume	Detached	BV - Timb. floor	Single	21	2.08	145.6	146	52.8	Ohdt1145.1rt
Hume	Detached	BV - Timb. floor	Multi	21	2.51	307.1	263	88	Ohdt2136.1rt
Kingston	Attached	BV - Conc. floor	Single	21	2.44	98	110	31	Oiac1271.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.24	109.9	112	31.2	Oiac2274.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.13	107.4	135	30	Oiac2347.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.13	107.4	135	30	Oiac2406.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2	80.4	66	23.2	Oiat1346.1rt
Kingston	Attached	BV - Timb. floor	Multi	21	2.08	168.4	160	50.7	Oiat2267.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.61	94.3	113	34.2	Oidc1268.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.25	111.7	123	39.3	Oidc1269.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.53	133	130	40.7	Oidc1270.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.42	128.6	140	47	Oidc1272.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.64	126.7	133	53.6	Oidc1273.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.8	141.8	117	43.9	Okdc1090.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.15	88	107	36.5	Okdc1192.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.74	93.8	106	24.5	Okdc1193.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.62	88.8	107	27.4	Okdc1195.1rt
Knox	Detached	BV - Conc. floor	Single	21	1.52	192.8	198	79.9	Okdc1196.1rt
Knox	Detached	BV - Timb. floor	Single	21	0.91	128.1	137	45.1	Okdt1087.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.69	225.4	229	64.9	Okdt1091.1rt
Knox	Detached	BV - Timb. floor	Single	21	2.46	113.1	112	24.5	Okdt1095.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.97	144.9	144	49.6	Okdt1096.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.89	169.5	154	57.9	Okdt1194.1rt

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Council	House Type	Construction	No. Storeys	Climate Zone	Star Rating (compliant)	Net Cond.			File Reference
						Floor Area m2	External wall area m2	Glazing Area m2	
Knox	Detached	BV - Timb. floor	Multi	21	1.85	205.4	256	56.4	Okdt2088.1rt
Knox	Detached	BV - Timb. floor	Multi	21	1.69	210.9	217	47.5	Okdt2089.1rt
Knox	Detached	BV - Timb. floor	Multi	21	2.37	189.2	214	43.7	Okdt2092.1rt
Knox	Detached	BV - Timb. floor	Multi	21	1.87	233.8	263	62.2	Okdt2093.1rt
Monash	Detached	BV - Conc. floor	Single	21	2.3	76.7	92	26	Omdc1288.1rt
Monash	Detached	BV - Conc. floor	Single	21	2.94	158.3	163	62.5	Omdc1289.1rt
Monash	Detached	BV - Conc. floor	Single	21	2.98	187.9	170	53.8	Omdc1290.1rt
Monash	Detached	BV - Conc. floor	Single	21	1.67	157.9	150	44.5	Omdc1291.1rt
Monash	Detached	BV - Conc. floor	Single	21	1.39	175.7	174	46.2	Omdc1292.1rt
Monash	Detached	BV - Timb. floor	Single	21	1.82	271.4	247	66.3	Omdt1295.1rt
Monash	Detached	BV - Timb. floor	Multi	21	2.41	251.2	259	69	Omdt2293.1rt
Monash	Detached	BV - Timb. floor	Multi	21	2.01	238.6	226	60.6	Omdt2294.1rt
Mornington	Detached	Cavity Brick	Multi	21	1.82	88.2	120	24.4	Opdb2191.1rt
Mornington	Detached	BV - Conc. floor	Single	21	1.62	212.2	200	64.3	Opdc1002.1rt
Mornington	Detached	BV - Conc. floor	Single	21	3	126.4	119	27.9	Opdc1003.1rt
Mornington	Detached	BV - Conc. floor	Single	21	1.59	139.4	138	45.1	Opdc1004.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.62	79.7	87	24.5	Opdc1005.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.81	171	163	42.4	Opdc1006.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.43	85.9	125	30.2	Opdc1188.1rt
Mornington	Detached	Lightweight	Single	21	1.05	214	231	96.8	Opdl1001.1rt
Mornington	Detached	Lightweight	Single	21	0.35	81.9	86	27.7	Opdl1189.1rt
Mornington	Detached	Lightweight	Multi	21	1.27	136.1	127	67	Opdl2190.1rt
Mornington	Detached	BV - Timb. floor	Single	21	1.91	106.5	125	35.3	Opdt1007.1rt
Mornington	Detached	BV - Timb. floor	Single	21	2.24	174.1	187	47.9	Opdt1009.1rt
Mornington	Detached	BV - Timb. floor	Single	21	2.03	135.4	167	59.3	Opdt1010.1rt
Mornington	Detached	BV - Timb. floor	Multi	21	2	188.6	243	87.6	Opdt2008.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.1	87	101	21.8	Osdc1062.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.9	87	101	21.3	Osdc1063.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.57	212.9	174	70.4	Osdc1064.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.03	150.3	125	34.1	Osdc1066.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.01	95.7	102	24	Osdc1171.1rt
Shepparton	Detached	Lightweight	Single	20	1.88	80.4	107	19.4	Osd11057.1rt
Shepparton	Detached	Lightweight	Single	20	1.97	113	135	39.8	Osd11058.1rt
Shepparton	Detached	Lightweight	Single	20	1.97	63.8	75	21.1	Osd11059.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.19	197.6	198	80.4	Osd11060.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	3.28	217.1	198	47.1	Osd11061.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.68	87	90	20.2	Osd11170.1rt

# Summary of Sample Houses 1999

(Star ratings are for houses with levels of insulation compliant with the Min Insulation requirements of the BCA)

Council	House Type	Construction	No. Storeys	Climate Zone	Star Rating (compliant)	Net Cond.			File Reference
						Floor Area m2	External wall area m2	Glazing Area m2	
Ballarat	Detached	BV - Conc. floor	Single	24	2.93	139.7	138	41.1	9bdc1079.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.09	181.2	166	49.9	9bdc1117.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.24	204.9	144	54.8	9bdc1119.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.73	142.7	126	43.4	9bdc1120.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.35	213.8	174	46	9bdc1121.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.12	142.9	122	42.9	9bdc1123.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.17	160.5	130	42.7	9bdc1124.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.54	202.2	130	44.9	9bdc1125.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.25	120.2	129	33.8	9bdc1126.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.33	127.3	135	41.1	9bdc1127.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.77	115.9	115	31.8	9bdc1128.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.23	174.3	160	42.3	9bdc1130.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.13	196.9	163	47.9	9bdc1131.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.3	148.7	139	49.3	9bdc1132.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.86	182.8	172	35	9bdc1133.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	3.06	167.7	148	41.9	9bdc1134.1rt
Ballarat	Detached	BV - Conc. floor	Single	24	2.93	117.6	117	32.8	9bdc1135.1rt
Ballarat	Detached	Lightweight	Single	24	0.59	45.6	76	14.6	9bdl1129.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	2.57	190.2	136	43.7	9bdt1118.1rt
Ballarat	Detached	BV - Timb. floor	Single	24	2.89	200.1	198	38.4	9bdt1122.1rt
Casey	Detached	BV - Conc. floor	Single	21	0.87	88.1	291	42.9	9cdc1039.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.77	93.5	104	18.7	9cdc1040.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.69	163.2	139	44.2	9cdc1041.1rt
Casey	Detached	BV - Conc. floor	Single	21	3.89	225.3	224	48	9cdc1042.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.96	137.6	125	36.8	9cdc1043.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.24	123.5	171	46.7	9cdc1045.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.77	138.7	124	51.2	9cdc1046.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.6	105.2	132	34.3	9cdc1047.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.34	146.9	152	50.3	9cdc1048.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.57	111.6	128	28.6	9cdc1204.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.34	183.7	156	58	9cdc1205.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.54	148.8	136	47.2	9cdc1206.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.49	99	110	32.6	9cdc1207.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.74	236.6	164	69.7	9cdc1210.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.89	156.3	149	50.2	9cdc1212.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.53	205.3	182	60.1	9cdc1319.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.95	138.5	140	40.5	9cdc1322.1rt
Casey	Detached	BV - Conc. floor	Single	21	3.1	188.5	131	45.7	9cdc1323.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.65	171.3	139	52.3	9cdc1324.1rt
Casey	Detached	BV - Conc. floor	Single	21	2.85	143.1	126	40.5	9cdc1325.1rt
Casey	Detached	BV - Conc. floor	Multi	21	2.84	188.7	185	42	9cdc2208.1rt
Casey	Detached	BV - Conc. floor	Multi	21	3.07	240.2	248	67.3	9cdc2209.1rt
Casey	Detached	BV - Conc. floor	Multi	21	2.74	229.7	235	83.5	9cdc2318.1rt
Casey	Detached	BV - Conc. floor	Multi	21	3.23	280.4	255	65.2	9cdc2320.1rt
Casey	Detached	BV - Conc. floor	Multi	21	2.4	170.2	163	39.5	9cdc2321.1rt
Casey	Detached	BV - Conc. floor	Multi	21	2.9	345.3	341	85.8	9cdc2326.1rt
Casey	Detached	Lightweight	Single	21	1.2	171.8	166	79.5	9cdl1213.1rt
Casey	Detached	Lightweight	Single	21	1.48	96.2	111	28.9	9cdl1337.1rt
Casey	Detached	Lightweight	Multi	21	1.97	162.5	242	39.6	9cdl2037.1rt
Casey	Detached	Lightweight	Multi	21	1.57	223	294	69	9cdl2214.1rt
Casey	Detached	Lightweight	Multi	21	1.67	93.3	118	34.7	9cdl2336.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.27	189.6	213	38	9cdt1038.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.32	185.3	149	51	9cdt1049.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.71	217.1	166	49.7	9cdt1050.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.17	156.1	158	40.1	9cdt1051.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.58	251.5	202	62.5	9cdt1052.1rt
Casey	Detached	BV - Timb. floor	Single	21	1.7	160.7	178	57.1	9cdt1053.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.98	257.8	226	61.7	9cdt1054.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.6	211.5	181	57.3	9cdt1055.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.29	227.3	217	60.1	9cdt1056.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.18	125.5	138	33.1	9cdt1211.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.65	169.8	148	34.5	9cdt1327.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.42	206.6	204	64.4	9cdt1328.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.44	207.2	166	61	9cdt1329.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.12	118.7	130	29	9cdt1330.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.44	188.5	156	53.3	9cdt1331.1rt
Casey	Detached	BV - Timb. floor	Single	21	1.85	128	137	51.4	9cdt1333.1rt
Casey	Detached	BV - Timb. floor	Single	21	2.34	156.4	143	45.1	9cdt1334.1rt
Casey	Detached	BV - Timb. floor	Multi	21	2.34	261.9	257	75	9cdt2203.1rt
Casey	Detached	BV - Timb. floor	Multi	21	2.46	165.5	188	46.5	9cdt2332.1rt
Casey	Detached	BV - Timb. floor	Multi	21	2.3	257.9	263	79.1	9cdt2335.1rt
Hume	Attached	BV - Conc. floor	Single	21	2.43	104.1	94	33.4	9hac1152.1rt
Hume	Attached	BV - Conc. floor	Single	21	2.99	104.1	94	22.1	9hac1344.1rt
Hume	Attached	BV - Conc. floor	Single	21	2.91	98.6	119	20.9	9hac1345.1rt
Hume	Attached	BV - Conc. floor	Single	21	2.99	104.1	94	22.1	9hac1400.1rt

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Council	House Type	Construction	No. Storeys	Climate Zone	Star Rating (compliant)	Net Cond.			File Reference
						Floor Area m2	External wall area m2	Glazing Area m2	
Hume	Attached	BV - Conc. floor	Single	21	2.91	98.6	119	20.9	9hac1401.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.09	162.5	162	64	9hdc1146.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.88	234.2	190	46	9hdc1155.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.73	224.1	187	79.5	9hdc1157.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.9	195.4	175	44.6	9hdc1158.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.96	134.3	125	42.7	9hdc1159.1rt
Hume	Detached	BV - Conc. floor	Single	21	3.37	134.2	125	33.6	9hdc1160.1rt
Hume	Detached	BV - Conc. floor	Single	21	3	180.7	213	39.4	9hdc1163.1rt
Hume	Detached	BV - Conc. floor	Single	21	3.24	107.6	109	30.6	9hdc1164.1rt
Hume	Detached	BV - Conc. floor	Single	21	3.15	98.8	118	20.3	9hdc1177.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.98	108.8	105	34.8	9hdc1178.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.49	194	174	69.6	9hdc1179.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.74	123.9	122	38.9	9hdc1180.1rt
Hume	Detached	BV - Conc. floor	Single	21	2.38	168.4	157	50.7	9hdc1181.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.53	211.9	233	67.8	9hdc2148.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.55	173.5	223	40.4	9hdc2149.1rt
Hume	Detached	BV - Conc. floor	Multi	21	3.48	335.4	325	72.3	9hdc2150.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.44	158.5	198	49.4	9hdc2151.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.53	431.6	446	101.2	9hdc2156.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.96	275.4	265	65.4	9hdc2161.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.69	324.7	283	94.4	9hdc2162.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.79	269	304	64.9	9hdc2165.1rt
Hume	Detached	BV - Conc. floor	Multi	21	2.83	148.1	186	35.4	9hdc2315.1rt
Hume	Detached	Lightweight	Multi	21	2.72	270.8	251	47.6	9hdl2316.1rt
Hume	Detached	BV - Timb. floor	Single	21	2.6	286.1	217	71.5	9hdt1154.1rt
Hume	Detached	BV - Timb. floor	Multi	21	2.48	334.2	299	90.4	9hdt2147.1rt
Hume	Detached	BV - Timb. floor	Multi	21	2.7	234.8	260	63.3	9hdt2153.1rt
Kingston	Attached	BV - Conc. floor	Single	21	2.72	93.7	77	33.6	9iac1238.1rt
Kingston	Attached	BV - Conc. floor	Single	21	3.38	126.8	129	27.2	9iac1241.1rt
Kingston	Attached	BV - Conc. floor	Single	21	2.46	67	92	18.9	9iac1254.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.1	100.9	179	34.8	9iac2235.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.99	162.6	156	36.5	9iac2248.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.65	177	191	37.9	9iac2256.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	3.43	143.6	146	24.1	9iac2257.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	1.87	188.5	125	55.3	9iac2260.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.52	138.8	179	25.5	9iac2261.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	3.71	140.6	127	26.3	9iac2262.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	3.83	113.4	72	23.4	9iac2263.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.44	146.2	140	44.2	9iac2264.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.46	200.3	197	52.6	9iac2265.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.54	110.8	126	28.4	9iac2266.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	3.58	143.6	146	23.7	9iac2407.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.78	133.7	122	35.5	9iac2408.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.9	183.4	128	37.9	9iac2409.1rt
Kingston	Attached	BV - Conc. floor	Multi	21	2.36	100.3	154	29.7	9iac2410.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2.4	116.7	81	26.1	9iat1236.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2.28	117.2	91	32.8	9iat1237.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2.14	103.4	72	27.1	9iat1239.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2.36	105.1	93	36.1	9iat1249.1rt
Kingston	Attached	BV - Timb. floor	Single	21	1.88	110.3	94	36.5	9iat1255.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2.53	103.9	98	36.1	9iat1258.1rt
Kingston	Attached	BV - Timb. floor	Single	21	2.38	113.5	122	29.7	9iat1259.1rt
Kingston	Attached	BV - Timb. floor	Multi	21	2.62	145.1	215	34.1	9iat2242.1rt
Kingston	Attached	BV - Timb. floor	Multi	21	2.67	118.2	130	20.7	9iat2243.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.88	159.4	130	38.9	9idc1240.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.64	148.5	127	56.7	9idc1244.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.97	187.8	146	53.7	9idc1245.1rt
Kingston	Detached	BV - Conc. floor	Single	21	3.15	191.5	183	42.6	9idc1250.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.77	185.8	147	60.4	9idc1251.1rt
Kingston	Detached	BV - Conc. floor	Single	21	2.94	107	90	25	9idc1253.1rt
Kingston	Detached	BV - Conc. floor	Multi	21	2.62	213.7	227	63.4	9idc2246.1rt
Kingston	Detached	BV - Conc. floor	Multi	21	2.9	353.6	342	84.4	9idc2252.1rt
Kingston	Detached	BV - Timb. floor	Single	21	2.14	118.9	130	40	9idt1247.1rt
Knox	Attached	BV - Conc. floor	Single	21	2.34	83.1	93	26.7	9kac1215.1rt
Knox	Attached	BV - Timb. floor	Multi	21	2.36	109.1	143	24.1	9kat2287.1rt
Knox	Detached	BV - Conc. floor	Single	21	3.47	315.9	250	69.6	9kdc1097.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.73	233.7	210	72.2	9kdc1100.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.86	122.4	115	33.4	9kdc1101.1rt
Knox	Detached	BV - Conc. floor	Single	21	3.18	189.5	139	48.1	9kdc1106.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.08	132.9	148	50.4	9kdc1109.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.09	90.9	114	34.4	9kdc1217.1rt
Knox	Detached	BV - Conc. floor	Single	21	2.52	170.8	161	50	9kdc1228.1rt
Knox	Detached	BV - Conc. floor	Multi	21	2.97	286.1	277	76	9kdc2102.1rt
Knox	Detached	BV - Conc. floor	Multi	21	2.53	219.4	233	74.2	9kdc2103.1rt
Knox	Detached	BV - Conc. floor	Multi	21	3	232.2	242	54.8	9kdc2104.1rt

# Summary of Sample Houses 1999

(Star ratings are for houses with levels of insulation compliant with the Min Insulation requirements of the BCA)

Council	House Type	Construction	No. Storeys	Climate Zone	Star Rating (compliant)	Net Cond.			File Reference
						Floor Area m2	External wall area m2	Glazing Area m2	
Knox	Detached	BV - Conc. floor	Multi	21	2.35	492.9	481	147.3	9kdc2114.1rt
Knox	Detached	BV - Conc. floor	Multi	21	2.34	224.1	398	55.6	9kdc2225.1rt
Knox	Detached	BV - Conc. floor	Multi	21	2.97	239.4	245	62.2	9kdc2226.1rt
Knox	Detached	Lightweight	Single	21	2.87	110.1	142	26	9kdl1221.1rt
Knox	Detached	Lightweight	Single	21	1.63	83.4	98	25.9	9kdl1222.1rt
Knox	Detached	Lightweight	Single	21	2.12	94.3	103	24.1	9kdl1224.1rt
Knox	Detached	Lightweight	Multi	21	3.79	272	244	49.1	9kdl2112.1rt
Knox	Detached	Lightweight	Multi	21	2.15	107.4	154	30.3	9kdl2220.1rt
Knox	Detached	BV - Timb. floor	Single	21	2.44	84.7	94	27.3	9kdt1098.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.84	172.4	163	72.1	9kdt1099.1rt
Knox	Detached	BV - Timb. floor	Single	21	2.78	230.8	199	44.9	9kdt1105.1rt
Knox	Detached	BV - Timb. floor	Single	21	2.66	83.7	116	21.4	9kdt1108.1rt
Knox	Detached	BV - Timb. floor	Single	21	2.82	140.8	42	39.9	9kdt1111.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.9	75.7	93	21.6	9kdt1216.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.88	75.3	102	22	9kdt1218.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.74	86.4	107	27.4	9kdt1219.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.94	114.7	115	36.8	9kdt1230.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.59	156	214	57.6	9kdt1231.1rt
Knox	Detached	BV - Timb. floor	Single	21	1.27	166.3	149	45.5	9kdt1232.1rt
Knox	Detached	BV - Timb. floor	Single	21	2.17	84.2	93	26.8	9kdt1233.1rt
Knox	Detached	BV - Timb. floor	Multi	21	2.6	235.4	219	56.9	9kdt2110.1rt
Knox	Detached	BV - Timb. floor	Multi	21	2.49	351.4	307	64.2	9kdt2113.1rt
Knox	Detached	BV - Timb. floor	Multi	20	2.99	195.9	201	48	9kdt2223.1rt
Knox	Detached	BV - Timb. floor	Multi	21	2.58	219.9	215	64.9	9kdt2227.1rt
Monash	Detached	BV - Conc. floor	Multi	21	2.9	202.1	238	53.4	9mdc2302.1rt
Monash	Detached	BV - Conc. floor	Multi	21	2.46	227.4	255	54.1	9mdc2303.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.16	270.1	270	63.8	9mdc2304.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.95	172.7	206	48.9	9mdc2305.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.35	300.3	256	65.8	9mdc2306.1rt
Monash	Detached	BV - Conc. floor	Multi	21	2.89	302.4	290	89.3	9mdc2307.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.11	231	217	49.4	9mdc2308.1rt
Monash	Detached	BV - Conc. floor	Multi	21	2.81	270	257	76.6	9mdc2309.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.16	242.5	240	66	9mdc2310.1rt
Monash	Detached	BV - Conc. floor	Multi	21	2.92	228.7	222	67.9	9mdc2311.1rt
Monash	Detached	BV - Conc. floor	Multi	21	2.92	228.1	223	62.3	9mdc2312.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.05	231.1	245	58.4	9mdc2313.1rt
Monash	Detached	BV - Conc. floor	Multi	21	3.1	224.4	247	60.8	9mdc2314.1rt
Monash	Detached	Lightweight	Multi	21	1.86	189.2	237	67.5	9mdl2301.1rt
Monash	Detached	BV - Timb. floor	Multi	21	2.59	216.4	212	51.2	9mdt2296.1rt
Monash	Detached	BV - Timb. floor	Multi	21	1.74	145	176	46.5	9mdt2297.1rt
Monash	Detached	BV - Timb. floor	Multi	21	2.37	295.2	294	81.1	9mdt2298.1rt
Monash	Detached	BV - Timb. floor	Multi	21	3.19	210.9	231	44.4	9mdt2299.1rt
Monash	Detached	BV - Timb. floor	Multi	21	2.13	185.2	249	55.2	9mdt2300.1rt
Mornington	Attached	BV - Conc. floor	Multi	21	2.14	108.3	127	36.3	9pac2187.1rt
Mornington	Attached	BV - Conc. floor	Multi	21	4.08	94.8	43	10.5	9pac2286.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.98	223.9	178	53.7	9pdc1011.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.83	123.1	131	37.3	9pdc1012.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.87	115.1	118	36.5	9pdc1013.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.8	205.9	154	47.8	9pdc1014.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.93	185.7	139	48.4	9pdc1015.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.86	174.6	141	48.6	9pdc1016.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.4	134.4	122	56.1	9pdc1017.1rt
Mornington	Detached	BV - Conc. floor	Single	21	2.88	172.2	173	46.1	9pdc1019.1rt
Mornington	Detached	BV - Conc. floor	Multi	21	3.36	255.5	242	62.7	9pdc2018.1rt
Mornington	Detached	Lightweight	Single	21	2.18	225.4	211	56.9	9pdl1024.1rt
Mornington	Detached	Lightweight	Single	21	2.12	108.8	136	40.3	9pdl1025.1rt
Mornington	Detached	BV - Timb. floor	Single	21	1.97	173.4	349	43	9pdt1020.1rt
Mornington	Detached	BV - Timb. floor	Single	21	2.3	252.9	223	83.6	9pdt1021.1rt
Mornington	Detached	BV - Timb. floor	Multi	21	2.23	128.7	172	38.3	9pdt2022.1rt
Mornington	Detached	BV - Timb. floor	Multi	21	1.96	208.1	284	104.7	9pdt2023.1rt
Shepparton	Detached	Cavity Brick	Single	20	2.7	147.9	138	40.6	9sdb1086.1rt
Shepparton	Detached	Cavity Brick	Single	20	2.04	196	161	59.8	9sdb1172.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.28	135.7	121	51	9sdc1044.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.32	119.9	130	25.8	9sdc1074.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	1.89	156	216	66.8	9sdc1075.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.24	88.3	99	39.9	9sdc1076.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.94	384.9	251	62.8	9sdc1077.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.47	158.4	136	41	9sdc1078.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.1	134.4	138	39	9sdc1080.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.69	150.7	151	34.9	9sdc1081.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.63	142.6	149	35.6	9sdc1082.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.52	165.4	157	34.7	9sdc1084.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	3.28	179.4	155	50.3	9sdc1085.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.91	223.1	202	57.8	9sdc1167.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.64	82.7	80	26	9sdc1168.1rt



# Summary of Sample Houses 1999

(Star ratings are for houses with levels of insulation compliant with the Min Insulation requirements of the BCA)

Council	House Type	Construction	No. Storeys	Climate Zone	Star Rating (compliant)	Net Cond.			File Reference
						Floor Area m2	External wall area m2	Glazing Area m2	
Shepparton	Detached	BV - Conc. floor	Single	20	3.07	148.6	134	42.1	9sdc1169.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.55	142.3	122	45.3	9sdc1173.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.9	197.4	162	62.4	9sdc1176.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.99	153.6	124	41.8	9sdc1234.1rt
Shepparton	Detached	BV - Conc. floor	Single	20	2.93	75.1	93	20.8	9sdc1317.1rt
Shepparton	Detached	Lightweight	Single	20	2.34	234.1	231	52.9	9sdl1067.1rt
Shepparton	Detached	Lightweight	Single	20	2.25	135.2	121	34.1	9sdl1068.1rt
Shepparton	Detached	Lightweight	Single	20	1.98	113.1	113	40.5	9sdl1175.1rt
Shepparton	Detached	Lightweight	Multi	20	2.34	153.3	228	36.7	9sdl2069.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.18	202.2	177	50.5	9sdt1070.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.6	135.6	153	33	9sdt1071.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.7	189	175	36.8	9sdt1072.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.66	134.1	112	35.6	9sdt1073.1rt
Shepparton	Detached	BV - Timb. floor	Single	20	2.5	166.4	156	39.6	9sdt1083.1rt
Shepparton	Detached	BV - Timb. floor	Multi	20	2.82	235.1	248	56.3	9sdt2174.1rt

**Appendix B :**  
**Building Activity By Postcode and  
Climate Zone**

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached	Estimated	Estimated	Estimated
			LGA	Proportion of LGA		Building Activity per Postcode 91-92	Detached Building Activity per Postcode 98-99	Attached Building Activity per Postcode 91-92	Attached Building Activity per Postcode 98-99
3000	24600	Melbourne (C)	100%	13.0%	21	2.9	12.3	5.0	17.5
3002	24600	Melbourne (C)	100%	13.0%	21	2.9	12.3	5.0	17.5
3003	24600	Melbourne (C)	100%	13.0%	21	2.9	12.3	5.0	17.5
3004	24600	Melbourne (C)	17%	2.2%	21	0.5	2.1	0.8	2.9
3004	25900	Port Phillip (C)	83%	12.5%	21	3.6	25.7	1.3	19.1
3006	24600	Melbourne (C)	100%	13.0%	21	2.9	12.3	5.0	17.5
3011	24330	Maribyrnong (C)	97%	23.0%	21	13.6	87.3	5.1	42.8
3011	24600	Melbourne (C)	3%	0.4%	21	0.1	0.4	0.2	0.5
3012	21180	Brimbank (C)	2%	0.2%	21	2.3	3.2	0.0	0.3
3012	24330	Maribyrnong (C)	98%	23.4%	21	13.8	88.7	5.1	43.5
3013	24330	Maribyrnong (C)	100%	23.8%	21	14.0	90.1	5.2	44.2
3015	23110	Hobsons Bay (C)	97%	19.5%	21	64.6	132.9	12.5	27.0
3015	24330	Maribyrnong (C)	3%	0.8%	21	0.5	3.1	0.2	1.5
3016	23110	Hobsons Bay (C)	100%	20.1%	21	66.9	137.5	12.9	28.0
3018	23110	Hobsons Bay (C)	100%	20.1%	21	66.9	137.5	12.9	28.0
3019	24330	Maribyrnong (C)	100%	23.8%	21	14.0	90.1	5.2	44.2
3020	21180	Brimbank (C)	98%	14.6%	21	146.2	201.5	1.9	19.8
3020	24330	Maribyrnong (C)	2%	0.4%	21	0.2	1.5	0.1	0.7
3021	21180	Brimbank (C)	100%	14.9%	21	148.7	205.0	1.9	20.1
3022	21180	Brimbank (C)	100%	14.9%	21	148.7	205.0	1.9	20.1
3023	21180	Brimbank (C)	100%	14.9%	21	148.7	205.0	1.9	20.1
3024	27260	Wyndham (C)	100%	20.0%	21	222.8	200.2	5.8	5.6
3025	23110	Hobsons Bay (C)	100%	20.1%	21	66.9	137.5	12.9	28.0
3026	27260	Wyndham (C)	100%	20.0%	21	222.8	200.2	5.8	5.6
3027	27260	Wyndham (C)	100%	20.0%	21	222.8	200.2	5.8	5.6
3028	23110	Hobsons Bay (C)	100%	20.1%	21	66.9	137.5	12.9	28.0
3029	27260	Wyndham (C)	100%	20.0%	21	222.8	200.2	5.8	5.6
3030	27260	Wyndham (C)	100%	20.0%	21	222.8	200.2	5.8	5.6
3031	24600	Melbourne (C)	28%	3.7%	21	0.8	3.5	1.4	4.9
3031	25060	Moonee Valley (C)	72%	9.5%	21	17.1	25.8	2.4	20.8
3032	24330	Maribyrnong (C)	20%	4.8%	21	2.9	18.4	1.1	9.0
3032	25060	Moonee Valley (C)	80%	10.5%	21	18.9	28.6	2.6	23.0
3033	25060	Moonee Valley (C)	100%	13.2%	21	23.8	35.9	3.3	28.9
3034	25060	Moonee Valley (C)	100%	13.2%	21	23.8	35.9	3.3	28.9
3036	21180	Brimbank (C)	100%	14.9%	21	148.7	205.0	1.9	20.1
3037	21180	Brimbank (C)	50%	7.5%	21	75.1	103.5	1.0	10.1
3037	24650	Melton (S)	50%	11.0%	21	46.3	116.5	0.3	2.3
3038	21180	Brimbank (C)	99%	14.7%	21	146.9	202.5	1.9	19.9
3038	24650	Melton (S)	1%	0.3%	21	1.1	2.8	0.0	0.1
3039	25060	Moonee Valley (C)	100%	13.2%	21	23.8	35.9	3.3	28.9
3040	25060	Moonee Valley (C)	100%	13.2%	21	23.8	35.9	3.3	28.9
3041	25060	Moonee Valley (C)	100%	13.2%	21	23.8	35.9	3.3	28.9
3042	21180	Brimbank (C)	18%	2.7%	21	27.4	37.7	0.4	3.7
3042	25060	Moonee Valley (C)	82%	10.8%	21	19.4	29.3	2.7	23.6
3043	21180	Brimbank (C)	4%	0.6%	21	6.3	8.6	0.1	0.8
3043	23270	Hume (C)	96%	7.9%	21	109.6	101.4	5.5	4.4
3044	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3045	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3046	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3047	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3048	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3049	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3051	24600	Melbourne (C)	76%	9.9%	21	2.2	9.3	3.7	13.2
3051	25060	Moonee Valley (C)	24%	3.2%	21	5.8	8.7	0.8	7.0
3052	24600	Melbourne (C)	100%	13.0%	21	2.9	12.3	5.0	17.5
3053	24600	Melbourne (C)	100%	13.0%	21	2.9	12.3	5.0	17.5
3054	24600	Melbourne (C)	7%	0.9%	21	0.2	0.9	0.4	1.3
3054	27350	Yarra (C)	93%	15.2%	21	4.1	13.2	9.1	25.3
3055	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3056	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3057	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3058	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3059	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3060	25250	Moreland (C)	100%	14.2%	21	22.1	45.0	9.8	41.9
3061	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3062	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3063	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3064	23270	Hume (C)	98%	8.1%	21	111.6	103.2	5.6	4.5
3064	27070	Whittlesea (C)	2%	0.3%	21	1.7	2.4	0.0	0.3
3065	27350	Yarra (C)	100%	16.4%	21	4.4	14.3	9.9	27.3
3066	27350	Yarra (C)	100%	16.4%	21	4.4	14.3	9.9	27.3
3067	27350	Yarra (C)	100%	16.4%	21	4.4	14.3	9.9	27.3
3068	25250	Moreland (C)	5%	0.7%	21	1.0	2.1	0.5	1.9
3068	27350	Yarra (C)	95%	15.7%	21	4.2	13.6	9.4	26.0
3070	21890	Darebin (C)	100%	19.9%	21	26.8	60.4	5.6	40.9
3071	21890	Darebin (C)	100%	19.9%	21	26.8	60.4	5.6	40.9
3072	21890	Darebin (C)	100%	19.9%	21	26.8	60.4	5.6	40.9
3073	21890	Darebin (C)	100%	19.9%	21	26.8	60.4	5.6	40.9
3074	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3075	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3076	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3078	21890	Darebin (C)	79%	15.7%	21	21.2	47.8	4.4	32.4
3078	27350	Yarra (C)	21%	3.4%	21	0.9	3.0	2.1	5.7
3079	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0
3081	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0
3082	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3083	20660	Banyule (C)	44%	5.2%	21	12.3	25.1	0.5	8.3
3083	21890	Darebin (C)	25%	4.9%	21	6.6	14.8	1.4	10.1
3083	27070	Whittlesea (C)	32%	3.3%	21	22.0	30.5	0.5	4.1
3084	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0
3085	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached	Estimated Detached Building	Estimated Attached	Estimated Attached
			LGA	Proportion of LGA		Building Activity per Postcode 91-92	Activity per Postcode 98-99	Building Activity per Postcode 91-92	Building Activity per Postcode 98-99
3087	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0
3088	20660	Banyule (C)	82%	9.8%	21	22.9	46.8	1.0	15.5
3088	25710	Nillumbik (S)	18%	1.7%	21	6.4	6.3	0.3	0.2
3089	25710	Nillumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3090	25710	Nillumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3091	25710	Nillumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3093	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0
3094	20660	Banyule (C)	100%	12.0%	21	28.0	57.4	1.2	19.0
3095	20660	Banyule (C)	10%	1.2%	21	2.7	5.5	0.1	1.8
3095	25710	Nillumbik (S)	90%	8.1%	21	31.5	31.0	1.7	1.1
3096	25710	Nillumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3097	25710	Nillumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3099	25710	Nillumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3101	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3102	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3103	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3104	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3105	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3106	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3107	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3108	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3109	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3111	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3113	24210	Manningham (C)	69%	8.1%	21	26.2	52.0	1.5	13.3
3113	25710	Nillumbik (S)	31%	2.8%	21	10.9	10.7	0.6	0.4
3114	24210	Manningham (C)	100%	11.7%	21	38.0	75.5	2.1	19.3
3115	24210	Manningham (C)	75%	8.8%	21	28.6	56.8	1.6	14.6
3115	27450	Yarra Ranges (S)	25%	1.0%	21	4.8	8.4	0.2	0.4
3116	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3121	27350	Yarra (C)	100%	16.4%	21	4.4	14.3	9.9	27.3
3122	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3123	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3124	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3125	21110	Boroondara (C)	44%	4.3%	21	8.1	19.9	1.3	10.4
3125	24970	Monash (C)	12%	1.9%	21	5.3	16.0	1.0	4.0
3125	26980	Whitehorse (C)	44%	5.6%	21	17.7	32.2	7.0	16.4
3126	21110	Boroondara (C)	100%	9.9%	21	18.6	45.7	3.0	23.9
3127	21110	Boroondara (C)	44%	4.4%	21	8.3	20.3	1.3	10.7
3127	26980	Whitehorse (C)	56%	7.1%	21	22.2	40.6	8.8	20.7
3128	26980	Whitehorse (C)	100%	12.7%	21	40.1	73.2	15.8	37.3
3129	21110	Boroondara (C)	5%	0.5%	21	0.9	2.1	0.1	1.1
3129	26980	Whitehorse (C)	95%	12.1%	21	38.2	69.8	15.0	35.6
3130	26980	Whitehorse (C)	100%	12.7%	21	40.1	73.2	15.8	37.3
3131	24210	Manningham (C)	2%	0.3%	21	0.8	1.6	0.0	0.4
3131	26980	Whitehorse (C)	98%	12.4%	21	39.2	71.6	15.4	36.5
3132	24210	Manningham (C)	4%	0.5%	21	1.5	3.0	0.1	0.8
3132	26980	Whitehorse (C)	96%	12.2%	21	38.5	70.3	15.2	35.8
3133	24410	Maroondah (C)	3%	0.7%	21	4.5	4.1	0.3	0.7
3133	26980	Whitehorse (C)	97%	12.4%	21	38.9	71.1	15.3	36.2
3134	24210	Manningham (C)	2%	0.3%	21	0.9	1.9	0.1	0.5
3134	24410	Maroondah (C)	98%	25.3%	21	154.6	139.1	10.1	25.1
3135	24410	Maroondah (C)	100%	26.0%	21	158.5	142.7	10.4	25.7
3136	24410	Maroondah (C)	100%	26.0%	21	158.5	142.7	10.4	25.7
3137	24410	Maroondah (C)	33%	8.7%	21	53.0	47.7	3.5	8.6
3137	27450	Yarra Ranges (S)	67%	2.6%	21	13.0	22.7	0.4	1.0
3138	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3139	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3140	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3141	24600	Melbourne (C)	28%	3.7%	21	0.8	3.4	1.4	4.9
3141	26350	Stonnington (C)	72%	10.9%	21	6.9	16.1	5.3	20.3
3142	26350	Stonnington (C)	100%	15.2%	21	9.6	22.5	7.4	28.2
3143	26350	Stonnington (C)	100%	15.2%	21	9.6	22.5	7.4	28.2
3144	26350	Stonnington (C)	100%	15.2%	21	9.6	22.5	7.4	28.2
3145	26350	Stonnington (C)	100%	15.2%	21	9.6	22.5	7.4	28.2
3146	21110	Boroondara (C)	53%	5.3%	21	9.8	24.2	1.6	12.7
3146	26350	Stonnington (C)	47%	7.1%	21	4.5	10.6	3.5	13.3
3147	21110	Boroondara (C)	61%	6.0%	21	11.3	27.8	1.8	14.6
3147	24970	Monash (C)	39%	6.2%	21	16.7	50.7	3.2	12.7
3148	24970	Monash (C)	56%	8.8%	21	23.9	72.4	4.6	18.2
3148	26350	Stonnington (C)	44%	6.7%	21	4.2	9.9	3.3	12.4
3149	24970	Monash (C)	100%	15.7%	21	42.7	129.5	8.2	32.5
3150	24970	Monash (C)	100%	15.7%	21	42.7	129.5	8.2	32.5
3151	26980	Whitehorse (C)	100%	12.7%	21	40.1	73.2	15.8	37.3
3152	23670	Knox (C)	100%	13.5%	21	98.3	166.8	2.3	21.8
3153	23670	Knox (C)	49%	6.6%	21	48.2	81.7	1.1	10.7
3153	24410	Maroondah (C)	51%	13.3%	21	80.9	72.8	5.3	13.1
3154	23670	Knox (C)	100%	13.5%	21	98.3	166.8	2.3	21.8
3155	23670	Knox (C)	100%	13.5%	21	98.3	166.8	2.3	21.8
3156	23670	Knox (C)	93%	12.5%	21	91.0	154.5	2.1	20.2
3156	27450	Yarra Ranges (S)	7%	0.3%	21	1.5	2.5	0.0	0.1
3158	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3159	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3160	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3161	22310	Glen Eira (C)	100%	15.3%	21	31.0	50.5	13.4	39.4
3162	22310	Glen Eira (C)	100%	15.3%	21	31.0	50.5	13.4	39.4
3163	22310	Glen Eira (C)	100%	15.3%	21	31.0	50.5	13.4	39.4
3165	22310	Glen Eira (C)	100%	15.3%	21	31.0	50.5	13.4	39.4
3166	24970	Monash (C)	95%	15.0%	21	40.8	123.6	7.8	31.1
3166	26350	Stonnington (C)	5%	0.7%	21	0.4	1.0	0.3	1.3
3167	22310	Glen Eira (C)	37%	5.6%	21	11.5	18.7	5.0	14.6
3167	23430	Kingston (C)	30%	3.6%	21	20.5	22.6	3.1	10.0

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	Postcode 98-99	91-92	98-99
3167	24970	Monash (C)	33%	5.3%	21	14.3	43.3	2.7	10.9
3168	24970	Monash (C)	100%	15.7%	21	42.7	129.5	8.2	32.5
3169	23430	Kingston (C)	100%	12.2%	21	69.2	76.5	10.6	33.8
3170	24970	Monash (C)	100%	15.7%	21	42.7	129.5	8.2	32.5
3171	22670	Greater Dandenong (C)	100%	21.9%	21	47.0	57.7	10.8	19.3
3172	22670	Greater Dandenong (C)	56%	12.2%	21	26.2	32.2	6.0	10.8
3172	23430	Kingston (C)	44%	5.4%	21	30.6	33.8	4.7	14.9
3173	22670	Greater Dandenong (C)	100%	21.9%	21	47.0	57.7	10.8	19.3
3174	22670	Greater Dandenong (C)	100%	21.9%	21	47.0	57.7	10.8	19.3
3175	22670	Greater Dandenong (C)	100%	21.9%	21	47.0	57.7	10.8	19.3
3177	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3178	23670	Knox (C)	100%	13.5%	21	98.3	166.8	2.3	21.8
3179	23670	Knox (C)	100%	13.5%	21	98.3	166.8	2.3	21.8
3180	23670	Knox (C)	100%	13.5%	21	98.3	166.8	2.3	21.8
3181	24600	Melbourne (C)	4%	0.5%	21	0.1	0.5	0.2	0.7
3181	25900	Port Phillip (C)	5%	0.7%	21	0.2	1.5	0.1	1.1
3181	26350	Stonnington (C)	91%	13.9%	21	8.7	20.5	6.8	25.8
3182	25900	Port Phillip (C)	100%	15.1%	21	4.4	30.9	1.5	22.9
3183	22310	Glen Eira (C)	19%	2.9%	21	5.9	9.6	2.6	7.5
3183	25900	Port Phillip (C)	81%	12.2%	21	3.5	25.0	1.2	18.6
3184	20910	Bayside (C)	10%	1.5%	21	2.3	6.0	0.4	3.0
3184	25900	Port Phillip (C)	90%	13.6%	21	3.9	27.8	1.4	20.6
3185	20910	Bayside (C)	21%	3.2%	21	4.8	12.3	0.9	6.2
3185	22310	Glen Eira (C)	71%	10.8%	21	22.0	35.9	9.5	27.9
3185	25900	Port Phillip (C)	8%	1.2%	21	0.4	2.5	0.1	1.9
3186	20910	Bayside (C)	100%	15.2%	21	23.0	59.0	4.3	29.9
3187	20910	Bayside (C)	100%	15.2%	21	23.0	59.0	4.3	29.9
3188	20910	Bayside (C)	100%	15.2%	21	23.0	59.0	4.3	29.9
3189	20910	Bayside (C)	29%	4.4%	21	6.7	17.2	1.2	8.7
3189	22310	Glen Eira (C)	28%	4.3%	21	8.7	14.2	3.8	11.1
3189	23430	Kingston (C)	43%	5.2%	21	29.6	32.7	4.5	14.4
3190	20910	Bayside (C)	73%	11.2%	21	16.9	43.3	3.1	21.9
3190	23430	Kingston (C)	27%	3.3%	21	18.5	20.4	2.8	9.0
3191	20910	Bayside (C)	100%	15.2%	21	23.0	59.0	4.3	29.9
3192	20910	Bayside (C)	23%	3.4%	21	5.2	13.3	1.0	6.7
3192	23430	Kingston (C)	77%	9.4%	21	53.6	59.3	8.2	26.1
3193	20910	Bayside (C)	100%	15.2%	21	23.0	59.0	4.3	29.9
3194	23430	Kingston (C)	100%	12.2%	21	69.2	76.5	10.6	33.8
3195	23430	Kingston (C)	100%	12.2%	21	69.2	76.5	10.6	33.8
3196	23430	Kingston (C)	100%	12.2%	21	69.2	76.5	10.6	33.8
3197	23430	Kingston (C)	100%	12.2%	21	69.2	76.5	10.6	33.8
3198	22170	Frankston (C)	100%	19.8%	21	224.0	148.4	3.0	18.4
3199	22170	Frankston (C)	100%	19.8%	21	224.0	148.4	3.0	18.4
3200	22170	Frankston (C)	100%	19.8%	21	224.0	148.4	3.0	18.4
3201	22170	Frankston (C)	100%	19.8%	21	224.0	148.4	3.0	18.4
3202	23430	Kingston (C)	100%	12.2%	21	69.2	76.5	10.6	33.8
3204	22310	Glen Eira (C)	100%	15.3%	21	31.0	50.5	13.4	39.4
3205	24600	Melbourne (C)	4%	0.5%	21	0.1	0.5	0.2	0.7
3205	25900	Port Phillip (C)	96%	14.5%	21	4.2	29.7	1.4	22.0
3206	25900	Port Phillip (C)	100%	15.1%	21	4.4	30.9	1.5	22.9
3207	25900	Port Phillip (C)	100%	15.1%	21	4.4	30.9	1.5	22.9
3211	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3212	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3214	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3215	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3216	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3218	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3219	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3220	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3221	21750	Colac-Otway (S)	1%	0.1%	21	0.1	0.1	0.0	0.0
3221	22750	Greater Geelong (C)	85%	6.0%	21	62.5	93.5	11.9	6.9
3221	26490	Surf Coast (S)	14%	2.0%	21	5.3	8.0	0.1	0.2
3222	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3223	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3224	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3225	22750	Greater Geelong (C)	17%	1.2%	21	12.6	18.8	2.4	1.4
3225	26080	Queenscliffe (B)	83%	100.0%	21	18.0	47.0	0.0	2.0
3226	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3227	22750	Greater Geelong (C)	100%	7.1%	21	73.8	110.5	14.1	8.2
3228	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3230	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3231	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3232	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3233	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3235	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3236	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3237	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3238	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3239	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3240	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3241	26490	Surf Coast (S)	100%	13.6%	21	37.1	55.7	0.4	1.6
3242	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3243	21750	Colac-Otway (S)	80%	7.1%	21	8.2	7.6	3.5	3.0
3243	26490	Surf Coast (S)	20%	2.7%	21	7.3	10.9	0.1	0.3
3249	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3250	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3251	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3254	21750	Colac-Otway (S)	100%	8.8%	21	10.2	9.4	4.3	3.7
3260	21750	Colac-Otway (S)	5%	0.4%	21	0.5	0.5	0.2	0.2
3260	21830	Corangamite (S)	95%	9.6%	21	3.5	3.9	0.0	0.8
3264	21830	Corangamite (S)	100%	10.1%	21	3.7	4.1	0.0	0.8

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	Postcode 98-99	91-92	98-99
3265	21830	Corangamite (S)	22%	2.2%	21	0.8	0.9	0.0	0.2
3265	25490	Moyne (S)	78%	4.7%	21	3.2	3.0	0.1	0.2
3266	21830	Corangamite (S)	100%	10.1%	21	3.7	4.1	0.0	0.8
3267	21830	Corangamite (S)	100%	10.1%	21	3.7	4.1	0.0	0.8
3268	21830	Corangamite (S)	77%	7.7%	21	2.9	3.2	0.0	0.6
3268	25490	Moyne (S)	23%	1.4%	21	1.0	0.9	0.0	0.1
3269	21830	Corangamite (S)	100%	10.1%	21	3.7	4.1	0.0	0.8
3270	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3271	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3272	20260	Ararat (RC)	11%	1.6%	21	0.4	0.4	0.0	0.0
3272	25490	Moyne (S)	89%	5.4%	21	3.7	3.4	0.2	0.3
3273	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3274	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3275	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3276	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3277	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3278	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3279	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3280	26730	Warrnambool (C)	100%	42.8%	21	105.8	81.4	0.9	12.0
3281	25490	Moyne (S)	67%	4.0%	21	2.8	2.6	0.1	0.2
3281	26730	Warrnambool (C)	33%	14.3%	21	35.4	27.2	0.3	4.0
3282	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3283	26730	Warrnambool (C)	100%	42.8%	21	105.8	81.4	0.9	12.0
3284	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3285	22410	Glenelg (S)	25%	3.4%	21	2.2	2.3	0.0	0.1
3285	25490	Moyne (S)	75%	4.5%	21	3.1	2.9	0.1	0.2
3286	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3287	25490	Moyne (S)	100%	6.0%	21	4.1	3.8	0.2	0.3
3289	26260	Southern Grampians (S)	100%	10.6%	24	4.6	3.3	0.2	0.0
3290	20260	Ararat (RC)	100%	15.6%	24	3.6	3.6	0.0	0.2
3291	20260	Ararat (RC)	87%	13.5%	24	3.1	3.1	0.0	0.1
3291	25490	Moyne (S)	9%	0.6%	24	0.4	0.4	0.0	0.0
3291	26260	Southern Grampians (S)	4%	0.4%	24	0.2	0.1	0.0	0.0
3292	22410	Glenelg (S)	100%	13.8%	21	8.7	9.2	0.0	0.3
3293	20260	Ararat (RC)	19%	2.9%	24	0.7	0.7	0.0	0.0
3293	25490	Moyne (S)	5%	0.3%	24	0.2	0.2	0.0	0.0
3293	26260	Southern Grampians (S)	76%	8.0%	24	3.5	2.5	0.2	0.0
3294	26260	Southern Grampians (S)	100%	10.6%	24	4.6	3.3	0.2	0.0
3300	26260	Southern Grampians (S)	100%	10.6%	24	4.6	3.3	0.2	0.0
3301	22410	Glenelg (S)	8%	1.1%	21	0.7	0.7	0.0	0.0
3301	25490	Moyne (S)	13%	0.8%	21	0.5	0.5	0.0	0.0
3301	26260	Southern Grampians (S)	79%	8.4%	21	3.6	2.6	0.2	0.0
3302	26260	Southern Grampians (S)	100%	10.6%	21	4.6	3.3	0.2	0.0
3303	22410	Glenelg (S)	100%	13.8%	21	8.7	9.2	0.0	0.3
3304	22410	Glenelg (S)	93%	12.8%	21	8.1	8.6	0.0	0.3
3304	25490	Moyne (S)	7%	0.4%	21	0.3	0.3	0.0	0.0
3305	22410	Glenelg (S)	100%	13.8%	21	8.7	9.2	0.0	0.3
3309	22410	Glenelg (S)	100%	13.8%	21	8.7	9.2	0.0	0.3
3310	22410	Glenelg (S)	100%	13.8%	20	8.7	9.2	0.0	0.3
3311	22410	Glenelg (S)	100%	13.8%	20	8.7	9.2	0.0	0.3
3312	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3314	26260	Southern Grampians (S)	100%	10.6%	20	4.6	3.3	0.2	0.0
3315	26260	Southern Grampians (S)	100%	10.6%	20	4.6	3.3	0.2	0.0
3317	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3318	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3319	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3321	22490	Golden Plains (S)	100%	10.9%	21	16.8	10.2	0.0	0.0
3322	21750	Colac-Otway (S)	48%	4.2%	21	4.9	4.5	2.1	1.8
3322	22490	Golden Plains (S)	52%	5.7%	21	8.8	5.3	0.0	0.0
3323	21830	Corangamite (S)	100%	10.1%	24	3.7	4.1	0.0	0.8
3324	21830	Corangamite (S)	100%	10.1%	24	3.7	4.1	0.0	0.8
3325	21830	Corangamite (S)	100%	10.1%	21	3.7	4.1	0.0	0.8
3328	22490	Golden Plains (S)	100%	10.9%	21	16.8	10.2	0.0	0.0
3329	22490	Golden Plains (S)	100%	10.9%	21	16.8	10.2	0.0	0.0
3330	22490	Golden Plains (S)	100%	10.9%	24	16.8	10.2	0.0	0.0
3331	22490	Golden Plains (S)	100%	10.9%	21	16.8	10.2	0.0	0.0
3332	22490	Golden Plains (S)	100%	10.9%	21	16.8	10.2	0.0	0.0
3333	22490	Golden Plains (S)	100%	10.9%	21	16.8	10.2	0.0	0.0
3334	25150	Moorabool (S)	100%	18.3%	24	45.7	33.5	0.4	0.0
3335	24650	Melton (S)	100%	22.2%	21	93.4	235.2	0.7	4.7
3337	24650	Melton (S)	100%	22.2%	21	93.4	235.2	0.7	4.7
3338	24650	Melton (S)	100%	22.2%	21	93.4	235.2	0.7	4.7
3340	22750	Greater Geelong (C)	1%	0.1%	21	1.1	1.6	0.2	0.1
3340	25150	Moorabool (S)	99%	18.0%	21	45.1	33.0	0.4	0.0
3341	25150	Moorabool (S)	100%	18.3%	24	45.7	33.5	0.4	0.0
3342	25150	Moorabool (S)	100%	18.3%	24	45.7	33.5	0.4	0.0
3345	25150	Moorabool (S)	100%	18.3%	24	45.7	33.5	0.4	0.0
3350	20570	Ballarat (C)	100%	20.6%	24	75.7	109.2	2.5	8.4
3351	20260	Ararat (RC)	8%	1.2%	24	0.3	0.3	0.0	0.0
3351	20570	Ballarat (C)	15%	3.0%	24	11.1	16.1	0.4	1.2
3351	22490	Golden Plains (S)	69%	7.5%	24	11.6	7.0	0.0	0.0
3351	25990	Pyrenees (S)	9%	1.9%	24	0.8	0.2	0.0	0.0
3352	20570	Ballarat (C)	67%	13.7%	24	50.5	72.9	1.6	5.6
3352	25150	Moorabool (S)	24%	4.4%	24	11.1	8.1	0.1	0.0
3352	25990	Pyrenees (S)	9%	2.0%	24	0.8	0.2	0.0	0.0
3355	20570	Ballarat (C)	100%	20.6%	24	75.7	109.2	2.5	8.4
3356	20570	Ballarat (C)	100%	20.6%	24	75.7	109.2	2.5	8.4
3357	20570	Ballarat (C)	100%	20.6%	24	75.7	109.2	2.5	8.4
3360	22490	Golden Plains (S)	100%	10.9%	24	16.8	10.2	0.0	0.0
3361	21830	Corangamite (S)	100%	10.1%	24	3.7	4.1	0.0	0.8
3363	22910	Hepburn (S)	100%	17.5%	24	23.0	19.3	0.4	0.4

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	98-99	91-92	98-99
3364	20570	Ballarat (C)	5%	1.0%	24	3.8	5.4	0.1	0.4
3364	22910	Hepburn (S)	90%	15.8%	24	20.7	17.4	0.3	0.3
3364	25430	Mount Alexander (S)	5%	0.7%	24	0.7	0.5	0.0	0.0
3370	22910	Hepburn (S)	100%	17.5%	24	23.0	19.3	0.4	0.4
3371	21670	Central Goldfields (S)	100%	23.3%	24	13.5	12.8	0.0	0.2
3373	25990	Pyrenees (S)	100%	21.9%	24	9.2	2.4	0.0	0.0
3375	20260	Ararat (RC)	100%	15.6%	24	3.6	3.6	0.0	0.2
3377	20260	Ararat (RC)	94%	14.6%	24	3.4	3.4	0.0	0.1
3377	25810	Northern Grampians (S)	6%	1.2%	24	0.7	0.5	0.0	0.0
3378	20260	Ararat (RC)	100%	15.6%	24	3.6	3.6	0.0	0.2
3379	20260	Ararat (RC)	100%	15.6%	24	3.6	3.6	0.0	0.2
3380	25810	Northern Grampians (S)	100%	19.3%	20	10.6	8.5	0.6	0.0
3381	20260	Ararat (RC)	11%	1.7%	20	0.4	0.4	0.0	0.0
3381	23190	Horsham (RC)	9%	1.6%	20	1.5	1.5	0.0	0.0
3381	25810	Northern Grampians (S)	63%	12.2%	20	6.7	5.4	0.4	0.0
3381	25990	Pyrenees (S)	12%	2.6%	20	1.1	0.3	0.0	0.0
3381	27630	Yarriambiack (S)	6%	0.5%	20	0.1	0.0	0.0	0.0
3384	25810	Northern Grampians (S)	63%	12.1%	20	6.6	5.3	0.4	0.0
3384	25990	Pyrenees (S)	38%	8.2%	20	3.5	0.9	0.0	0.0
3385	23190	Horsham (RC)	25%	4.5%	20	4.2	4.2	0.0	0.1
3385	25810	Northern Grampians (S)	75%	14.5%	20	8.0	6.4	0.4	0.0
3387	25810	Northern Grampians (S)	100%	19.3%	20	10.6	8.5	0.6	0.0
3388	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3390	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3391	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3392	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3393	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3395	21270	Buloke (S)	38%	4.1%	20	0.5	0.5	0.1	0.0
3395	27630	Yarriambiack (S)	62%	5.6%	20	0.8	0.4	0.2	0.1
3396	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3399	23190	Horsham (RC)	100%	18.2%	20	16.7	16.7	0.0	0.4
3400	23190	Horsham (RC)	100%	18.2%	20	16.7	16.7	0.0	0.4
3401	23190	Horsham (RC)	100%	18.2%	20	16.7	16.7	0.0	0.4
3402	23190	Horsham (RC)	100%	18.2%	20	16.7	16.7	0.0	0.4
3407	23190	Horsham (RC)	16%	2.9%	20	2.6	2.6	0.0	0.1
3407	26260	Southern Grampians (S)	84%	8.9%	20	3.8	2.8	0.2	0.0
3408	26260	Southern Grampians (S)	100%	10.6%	24	4.6	3.3	0.2	0.0
3409	23190	Horsham (RC)	100%	18.2%	20	16.7	16.7	0.0	0.4
3412	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3413	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3414	22980	Hindmarsh (S)	100%	20.0%	20	1.8	2.8	0.0	0.0
3415	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3418	22980	Hindmarsh (S)	100%	20.0%	20	1.8	2.8	0.0	0.0
3419	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3420	26890	West Wimmera (S)	100%	11.1%	20	2.2	0.3	0.0	0.0
3422	22980	Hindmarsh (S)	100%	20.0%	20	1.8	2.8	0.0	0.0
3423	22980	Hindmarsh (S)	100%	20.0%	20	1.8	2.8	0.0	0.0
3424	22980	Hindmarsh (S)	100%	20.0%	20	1.8	2.8	0.0	0.0
3427	24650	Melton (S)	100%	22.2%	21	93.4	235.2	0.7	4.7
3428	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3429	23270	Hume (C)	100%	8.3%	21	114.4	105.8	5.8	4.6
3430	23270	Hume (C)	16%	1.3%	21	18.5	17.1	0.9	0.7
3430	24130	Macedon Ranges (S)	84%	6.6%	21	22.0	17.3	1.3	0.2
3431	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3432	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3433	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3434	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3435	24130	Macedon Ranges (S)	85%	6.7%	24	22.3	17.5	1.3	0.2
3435	24850	Mitchell (S)	15%	1.2%	24	2.6	2.9	0.0	0.0
3437	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3438	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3440	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3441	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3442	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3444	22620	Greater Bendigo (C)	4%	0.4%	24	2.3	2.6	0.1	0.0
3444	22910	Hepburn (S)	4%	0.6%	24	0.8	0.7	0.0	0.0
3444	24130	Macedon Ranges (S)	93%	7.3%	24	24.3	19.1	1.5	0.2
3446	24130	Macedon Ranges (S)	100%	7.9%	24	26.2	20.6	1.6	0.2
3447	25430	Mount Alexander (S)	100%	14.3%	24	15.0	9.4	0.0	0.0
3448	25430	Mount Alexander (S)	100%	14.3%	24	15.0	9.4	0.0	0.0
3450	25430	Mount Alexander (S)	100%	14.3%	24	15.0	9.4	0.0	0.0
3451	25430	Mount Alexander (S)	100%	14.3%	24	15.0	9.4	0.0	0.0
3453	25430	Mount Alexander (S)	100%	14.3%	21	15.0	9.4	0.0	0.0
3458	22910	Hepburn (S)	76%	13.4%	24	17.5	14.7	0.3	0.3
3458	25150	Moorabool (S)	24%	4.4%	24	10.9	8.0	0.1	0.0
3460	22910	Hepburn (S)	100%	17.5%	24	23.0	19.3	0.4	0.4
3461	22910	Hepburn (S)	100%	17.5%	24	23.0	19.3	0.4	0.4
3462	25430	Mount Alexander (S)	100%	14.3%	24	15.0	9.4	0.0	0.0
3463	23940	Loddon (S)	6%	0.6%	21	0.3	0.1	0.0	0.0
3463	25430	Mount Alexander (S)	94%	13.5%	21	14.1	8.9	0.0	0.0
3464	21670	Central Goldfields (S)	100%	23.3%	21	13.5	12.8	0.0	0.2
3465	21670	Central Goldfields (S)	98%	22.8%	21	13.2	12.5	0.0	0.2
3465	25990	Pyrenees (S)	2%	0.5%	21	0.2	0.1	0.0	0.0
3467	25990	Pyrenees (S)	100%	21.9%	24	9.2	2.4	0.0	0.0
3468	25990	Pyrenees (S)	100%	21.9%	24	9.2	2.4	0.0	0.0
3469	20260	Ararat (RC)	13%	2.0%	24	0.5	0.5	0.0	0.0
3469	25990	Pyrenees (S)	87%	19.1%	24	8.0	2.1	0.0	0.0
3472	21670	Central Goldfields (S)	85%	19.8%	21	11.5	10.9	0.0	0.2
3472	23940	Loddon (S)	15%	1.5%	21	0.7	0.3	0.0	0.0
3475	21670	Central Goldfields (S)	47%	10.8%	20	6.3	6.0	0.0	0.1
3475	23940	Loddon (S)	53%	5.5%	20	2.4	0.9	0.0	0.0

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	98-99	91-92	98-99
3478	25810	Northern Grampians (S)	100%	19.3%	20	10.6	8.5	0.6	0.0
3480	21270	Buloke (S)	90%	9.7%	20	1.2	1.3	0.2	0.0
3480	25810	Northern Grampians (S)	10%	1.9%	20	1.0	0.8	0.1	0.0
3482	21270	Buloke (S)	100%	10.7%	20	1.3	1.4	0.2	0.0
3483	21270	Buloke (S)	100%	10.7%	20	1.3	1.4	0.2	0.0
3485	27630	Yarriambiack (S)	100%	9.0%	20	1.4	0.7	0.4	0.2
3487	27630	Yarriambiack (S)	100%	9.0%	27	1.4	0.7	0.4	0.2
3488	21270	Buloke (S)	13%	1.3%	27	0.2	0.2	0.0	0.0
3488	27630	Yarriambiack (S)	88%	7.9%	27	1.2	0.6	0.3	0.2
3489	27630	Yarriambiack (S)	100%	9.0%	27	1.4	0.7	0.4	0.2
3490	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3491	24780	Mildura (RC)	47%	4.1%	27	11.3	12.6	0.4	0.4
3491	27630	Yarriambiack (S)	53%	4.8%	27	0.7	0.4	0.2	0.1
3494	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3496	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3498	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3500	24780	Mildura (RC)	92%	8.1%	27	22.3	24.8	0.7	0.8
3501	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3505	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3506	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3507	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3509	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3512	24780	Mildura (RC)	100%	8.8%	27	24.2	27.1	0.8	0.9
3515	22620	Greater Bendigo (C)	100%	10.4%	20	59.5	68.2	1.7	0.8
3516	23940	Loddon (S)	100%	10.2%	20	4.5	1.7	0.0	0.0
3517	23940	Loddon (S)	100%	10.2%	20	4.5	1.7	0.0	0.0
3518	23940	Loddon (S)	100%	10.2%	20	4.5	1.7	0.0	0.0
3520	23940	Loddon (S)	100%	10.2%	20	4.5	1.7	0.0	0.0
3521	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3522	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3523	22620	Greater Bendigo (C)	100%	10.4%	20	59.5	68.2	1.7	0.8
3525	21270	Buloke (S)	91%	9.8%	20	1.2	1.3	0.2	0.0
3525	23940	Loddon (S)	9%	0.9%	20	0.4	0.2	0.0	0.0
3527	21270	Buloke (S)	100%	10.7%	20	1.3	1.4	0.2	0.0
3529	21270	Buloke (S)	100%	10.7%	27	1.3	1.4	0.2	0.0
3530	21270	Buloke (S)	100%	10.7%	27	1.3	1.4	0.2	0.0
3531	21270	Buloke (S)	100%	10.7%	27	1.3	1.4	0.2	0.0
3533	21270	Buloke (S)	100%	10.7%	27	1.3	1.4	0.2	0.0
3537	23940	Loddon (S)	100%	10.2%	27	4.5	1.7	0.0	0.0
3539	22620	Greater Bendigo (C)	100%	10.4%	21	59.5	68.2	1.7	0.8
3540	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3542	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3544	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3546	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3549	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3550	22620	Greater Bendigo (C)	100%	10.4%	21	59.5	68.2	1.7	0.8
3551	21370	Campaspe (S)	2%	0.1%	21	0.3	0.2	0.0	0.0
3551	22620	Greater Bendigo (C)	92%	9.6%	21	54.9	62.9	1.5	0.8
3551	23940	Loddon (S)	6%	0.6%	21	0.3	0.1	0.0	0.0
3555	22620	Greater Bendigo (C)	100%	10.4%	21	59.5	68.2	1.7	0.8
3556	22620	Greater Bendigo (C)	100%	10.4%	20	59.5	68.2	1.7	0.8
3557	22620	Greater Bendigo (C)	100%	10.4%	20	59.5	68.2	1.7	0.8
3558	21370	Campaspe (S)	22%	1.5%	20	3.4	2.9	0.3	0.2
3558	22620	Greater Bendigo (C)	78%	8.1%	20	46.6	53.4	1.3	0.7
3559	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3561	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3562	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3563	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3564	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3565	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3566	21370	Campaspe (S)	100%	6.9%	27	15.8	13.2	1.3	1.1
3567	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3568	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3570	22620	Greater Bendigo (C)	86%	9.0%	20	51.2	58.7	1.4	0.7
3570	23940	Loddon (S)	14%	1.4%	20	0.6	0.2	0.0	0.0
3571	23940	Loddon (S)	100%	10.2%	20	4.5	1.7	0.0	0.0
3572	21370	Campaspe (S)	63%	4.4%	20	9.9	8.3	0.8	0.7
3572	23940	Loddon (S)	37%	3.8%	20	1.7	0.6	0.0	0.0
3573	21370	Campaspe (S)	64%	4.4%	20	10.1	8.4	0.8	0.7
3573	23940	Loddon (S)	36%	3.7%	20	1.6	0.6	0.0	0.0
3575	23940	Loddon (S)	100%	10.2%	27	4.5	1.7	0.0	0.0
3576	23940	Loddon (S)	100%	10.2%	27	4.5	1.7	0.0	0.0
3578	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3579	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3580	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3581	22250	Gannawarra (S)	100%	12.5%	27	5.4	3.6	0.0	0.0
3583	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3584	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3585	26610	Swan Hill (RC)	94%	5.9%	27	4.1	8.3	0.5	0.2
3586	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3588	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3589	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3590	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3591	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3594	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3595	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3596	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3597	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3599	26610	Swan Hill (RC)	100%	6.3%	27	4.3	8.9	0.5	0.2
3607	26430	Strathbogrie (S)	100%	12.6%	20	7.8	6.7	0.0	0.0
3608	26430	Strathbogrie (S)	100%	12.6%	20	7.8	6.7	0.0	0.0



## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached	Estimated	Estimated	Estimated
			LGA	Proportion of LGA		Building Activity per Postcode 91-92	Detached Building Activity per Postcode 98-99	Attached Building Activity per Postcode 91-92	Attached Building Activity per Postcode 98-99
3610	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3612	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3613	22830	Greater Shepparton (C)	74%	6.1%	20	18.1	22.5	1.5	0.5
3613	26430	Strathbogie (S)	26%	3.2%	20	2.0	1.7	0.0	0.0
3614	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3616	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3617	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3618	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3620	21370	Campaspe (S)	94%	6.5%	20	14.8	12.4	1.2	1.0
3620	22830	Greater Shepparton (C)	6%	0.5%	20	1.5	1.8	0.1	0.0
3621	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3622	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3623	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3624	21370	Campaspe (S)	100%	6.9%	20	15.8	13.2	1.3	1.1
3629	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3630	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3631	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3633	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3634	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3635	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3636	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3637	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3638	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3639	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3640	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3641	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3644	24900	Moira (S)	86%	6.9%	20	14.0	10.8	1.0	0.1
3646	22830	Greater Shepparton (C)	37%	3.0%	20	8.9	11.1	0.7	0.2
3646	24900	Moira (S)	63%	5.1%	20	10.3	7.9	0.8	0.1
3647	22830	Greater Shepparton (C)	100%	8.2%	20	24.3	30.3	2.0	0.7
3649	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3656	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3658	24850	Mitchell (S)	88%	7.2%	24	15.3	16.9	0.1	0.1
3658	25620	Murrindindi (S)	12%	1.1%	24	1.4	1.2	0.1	0.0
3659	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3660	24850	Mitchell (S)	96%	7.8%	24	16.7	18.4	0.2	0.2
3660	25620	Murrindindi (S)	4%	0.4%	24	0.4	0.4	0.0	0.0
3662	22620	Greater Bendigo (C)	1%	0.1%	24	0.5	0.6	0.0	0.0
3662	24850	Mitchell (S)	99%	8.1%	24	17.2	19.0	0.2	0.2
3663	26430	Strathbogie (S)	100%	12.6%	24	7.8	6.7	0.0	0.0
3664	24850	Mitchell (S)	30%	2.4%	24	5.1	5.7	0.0	0.0
3664	26430	Strathbogie (S)	70%	8.9%	24	5.5	4.7	0.0	0.0
3665	26430	Strathbogie (S)	100%	12.6%	24	7.8	6.7	0.0	0.0
3666	25620	Murrindindi (S)	2%	0.2%	20 24	0.2	0.2	0.0	0.0
3666	26430	Strathbogie (S)	98%	12.4%	20 24	7.7	6.6	0.0	0.0
3669	26430	Strathbogie (S)	100%	12.6%	20	7.8	6.7	0.0	0.0
3670	26430	Strathbogie (S)	100%	12.6%	20	7.8	6.7	0.0	0.0
3672	21950	Delatite (S)	100%	12.2%	20	17.0	13.8	0.7	0.0
3673	21950	Delatite (S)	100%	12.2%	20	17.0	13.8	0.7	0.0
3675	21950	Delatite (S)	14%	1.8%	20	2.5	2.0	0.1	0.0
3675	26700	Wangaratta (RC)	86%	11.0%	20	12.0	12.5	0.7	1.9
3677	26700	Wangaratta (RC)	100%	12.8%	20	14.0	14.6	0.8	2.2
3678	21950	Delatite (S)	5%	0.6%	20 24 25	0.8	0.6	0.0	0.0
3678	26700	Wangaratta (RC)	95%	12.2%	20 24 25	13.3	14.0	0.7	2.1
3682	26700	Wangaratta (RC)	100%	12.8%	20	14.0	14.6	0.8	2.2
3683	23350	Indigo (S)	100%	15.0%	20	14.2	10.9	0.4	0.0
3685	23350	Indigo (S)	100%	15.0%	20	14.2	10.9	0.4	0.0
3687	23350	Indigo (S)	100%	15.0%	20	14.2	10.9	0.4	0.0
3688	23350	Indigo (S)	42%	6.3%	20	6.0	4.6	0.2	0.0
3688	27170	Wodonga (RC)	58%	14.0%	20	44.3	34.0	4.5	1.4
3690	27170	Wodonga (RC)	100%	24.3%	20	76.9	58.9	7.8	2.4
3691	20110	Alpine (S)	9%	1.0%	20 24	0.8	1.1	0.0	0.0
3691	23350	Indigo (S)	24%	3.6%	20 24	3.4	2.6	0.1	0.0
3691	26670	Towong (S)	12%	1.7%	20 24	0.5	0.3	0.0	0.0
3691	27170	Wodonga (RC)	55%	13.2%	20 24	42.0	32.2	4.2	1.3
3693	27170	Wodonga (RC)	100%	24.3%	20	76.9	58.9	7.8	2.4
3694	27170	Wodonga (RC)	100%	24.3%	20	76.9	58.9	7.8	2.4
3695	23350	Indigo (S)	100%	15.0%	20	14.2	10.9	0.4	0.0
3697	20110	Alpine (S)	100%	11.0%	24	8.4	11.2	0.4	0.0
3698	20110	Alpine (S)	100%	11.0%	24	8.4	11.2	0.4	0.0
3699	20110	Alpine (S)	100%	11.0%	24 25	8.4	11.2	0.4	0.0
3700	26670	Towong (S)	100%	14.0%	24 25	4.5	2.8	0.0	0.0
3701	26670	Towong (S)	100%	14.0%	20 24 25	4.5	2.8	0.0	0.0
3704	26670	Towong (S)	100%	14.0%	24	4.5	2.8	0.0	0.0
3705	26670	Towong (S)	100%	14.0%	24 25	4.5	2.8	0.0	0.0
3707	26670	Towong (S)	100%	14.0%	24 25	4.5	2.8	0.0	0.0
3708	26670	Towong (S)	100%	14.0%	24	4.5	2.8	0.0	0.0
3709	26670	Towong (S)	100%	14.0%	24	4.5	2.8	0.0	0.0
3711	25620	Murrindindi (S)	100%	9.7%	24 25	11.7	9.9	1.2	0.0
3712	25620	Murrindindi (S)	100%	9.7%	24 25	11.7	9.9	1.2	0.0
3713	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3714	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3715	21950	Delatite (S)	100%	12.2%	24	17.0	13.8	0.7	0.0
3717	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3718	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3719	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3720	21950	Delatite (S)	100%	12.2%	24	17.0	13.8	0.7	0.0
3722	21950	Delatite (S)	100%	12.2%	24 25	17.0	13.8	0.7	0.0
3723	21950	Delatite (S)	100%	12.2%	24	17.0	13.8	0.7	0.0
3725	21950	Delatite (S)	100%	12.2%	20	17.0	13.8	0.7	0.0
3726	21950	Delatite (S)	100%	12.2%	20	17.0	13.8	0.7	0.0

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	Postcode 98-99	91-92	98-99
3727	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3728	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3730	24900	Moira (S)	100%	8.0%	20	16.2	12.5	1.2	0.2
3732	26700	Wangaratta (RC)	100%	12.8%	20	14.0	14.6	0.8	2.2
3733	26700	Wangaratta (RC)	100%	12.8%	20	14.0	14.6	0.8	2.2
3735	23350	Indigo (S)	2%	0.3%	24	0.3	0.2	0.0	0.0
3735	26700	Wangaratta (RC)	98%	12.6%	24	13.7	14.3	0.8	2.1
3737	20110	Alpine (S)	100%	11.0%	24	8.4	11.2	0.4	0.0
3738	20110	Alpine (S)	100%	11.0%	24	8.4	11.2	0.4	0.0
3739	20110	Alpine (S)	100%	11.0%	24	8.4	11.2	0.4	0.0
3740	20110	Alpine (S)	100%	11.0%	24 25	8.4	11.2	0.4	0.0
3741	20110	Alpine (S)	100%	11.0%	24 25	8.4	11.2	0.4	0.0
3744	20110	Alpine (S)	100%	11.0%	24	8.4	11.2	0.4	0.0
3746	26700	Wangaratta (RC)	100%	12.8%	20	14.0	14.6	0.8	2.2
3747	23350	Indigo (S)	100%	15.0%	24	14.2	10.9	0.4	0.0
3749	23350	Indigo (S)	100%	15.0%	24	14.2	10.9	0.4	0.0
3750	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3751	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3752	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3753	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3754	25710	Nilumbik (S)	47%	4.3%	21	16.6	16.3	0.9	0.6
3754	27070	Whittlesea (C)	53%	5.4%	21	36.6	50.7	0.8	6.8
3755	27070	Whittlesea (C)	100%	10.3%	21	69.7	96.6	1.4	13.0
3756	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3757	25620	Murrindindi (S)	10%	1.0%	24	1.1	1.0	0.1	0.0
3757	25710	Nilumbik (S)	5%	0.5%	24	1.9	1.8	0.1	0.1
3757	27070	Whittlesea (C)	85%	8.7%	24	59.2	82.0	1.2	11.0
3758	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3759	25710	Nilumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3760	25710	Nilumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3761	25710	Nilumbik (S)	100%	9.0%	21	34.9	34.3	1.9	1.3
3762	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3763	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3764	24850	Mitchell (S)	100%	8.1%	24	17.3	19.1	0.2	0.2
3765	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3766	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3767	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3770	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3775	25710	Nilumbik (S)	17%	1.5%	24	5.8	5.7	0.3	0.2
3775	27450	Yarra Ranges (S)	83%	3.2%	24	16.3	28.4	0.5	1.3
3777	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3778	25620	Murrindindi (S)	100%	9.7%	24	11.7	9.9	1.2	0.0
3779	25620	Murrindindi (S)	100%	9.7%	24 25	11.7	9.9	1.2	0.0
3781	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3782	21450	Cardinia (S)	88%	7.3%	21	27.5	25.5	0.0	1.0
3782	27450	Yarra Ranges (S)	12%	0.5%	21	2.3	4.0	0.1	0.2
3783	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3785	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3786	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3787	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3788	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3789	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3791	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3792	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3793	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3795	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3796	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3797	27450	Yarra Ranges (S)	100%	3.9%	21	19.6	34.1	0.7	1.5
3799	27450	Yarra Ranges (S)	100%	3.9%	24	19.6	34.1	0.7	1.5
3802	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3803	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3804	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3805	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3806	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3807	21450	Cardinia (S)	76%	6.3%	21	23.6	21.9	0.0	0.9
3807	21610	Casey (C)	24%	2.1%	21	41.6	51.4	1.5	2.2
3808	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3809	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3810	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3812	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3813	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3814	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3815	21450	Cardinia (S)	100%	8.2%	21	31.2	28.9	0.0	1.2
3816	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3818	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3820	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3821	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3822	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3823	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3824	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3825	20830	Baw Baw (S)	13%	1.3%	21 25	2.7	2.7	0.2	0.1
3825	23810	La Trobe (S)	87%	9.9%	21 25	26.6	23.8	0.4	1.1
3831	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3833	20830	Baw Baw (S)	100%	9.9%	24 25	20.7	21.4	1.3	1.1
3835	20830	Baw Baw (S)	100%	9.9%	21	20.7	21.4	1.3	1.1
3838	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3840	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3842	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3844	23810	La Trobe (S)	96%	10.9%	21	29.2	26.2	0.4	1.2
3844	26810	Wellington (S)	4%	0.3%	21	1.0	0.5	0.0	0.0
3847	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	Postcode 98-99	91-92	98-99
3850	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3851	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3852	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3854	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3856	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3857	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3858	26810	Wellington (S)	100%	8.3%	21 24 25	25.3	11.7	0.7	1.1
3859	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3860	26810	Wellington (S)	100%	8.3%	21 24 25	25.3	11.7	0.7	1.1
3862	22110	East Gippsland (S)	18%	0.8%	21 24	2.9	1.8	0.1	0.0
3862	26810	Wellington (S)	82%	6.8%	21 24	20.7	9.6	0.5	0.9
3864	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3865	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3866	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3869	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3870	23810	La Trobe (S)	100%	11.3%	21	30.5	27.3	0.5	1.2
3871	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3873	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3874	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3875	22110	East Gippsland (S)	94%	4.1%	21 24	14.9	9.3	0.4	0.1
3875	26810	Wellington (S)	6%	0.5%	21 24	1.5	0.7	0.0	0.1
3878	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3880	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3882	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3885	22110	East Gippsland (S)	100%	4.3%	21 24 25	15.8	9.9	0.5	0.1
3886	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3887	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3888	22110	East Gippsland (S)	100%	4.3%	21 24	15.8	9.9	0.5	0.1
3889	22110	East Gippsland (S)	100%	4.3%	24	15.8	9.9	0.5	0.1
3890	22110	East Gippsland (S)	100%	4.3%	21 24	15.8	9.9	0.5	0.1
3891	22110	East Gippsland (S)	100%	4.3%	21 24	15.8	9.9	0.5	0.1
3892	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3895	22110	East Gippsland (S)	100%	4.3%	24	15.8	9.9	0.5	0.1
3896	22110	East Gippsland (S)	100%	4.3%	24 25	15.8	9.9	0.5	0.1
3898	22110	East Gippsland (S)	100%	4.3%	25 24	15.8	9.9	0.5	0.1
3900	22110	East Gippsland (S)	100%	4.3%	24 25	15.8	9.9	0.5	0.1
3902	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3903	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3904	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3909	22110	East Gippsland (S)	100%	4.3%	21	15.8	9.9	0.5	0.1
3910	22170	Frankston (C)	100%	19.8%	21	224.0	148.4	3.0	18.4
3911	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3912	21610	Casey (C)	26%	2.2%	21	44.1	54.5	1.6	2.3
3912	25340	Mornington Peninsula (S)	74%	3.0%	21	34.1	48.9	1.4	5.0
3913	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3915	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3916	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3918	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3919	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3920	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3921	29399	Unincorporated Vic	100%	100.0%	21	0.0	1.0	0.0	0.0
3922	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3923	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3925	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3926	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3927	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3928	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3929	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3930	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3931	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3933	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3934	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3936	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3937	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3938	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3939	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3940	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3941	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3942	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3943	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3944	25340	Mornington Peninsula (S)	100%	4.0%	21	45.9	65.8	1.9	6.8
3945	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3946	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3950	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3951	20740	Bass Coast (S)	13%	1.2%	21	3.5	5.0	0.0	0.1
3951	26170	South Gippsland (S)	87%	4.6%	21	11.5	6.5	0.1	0.1
3953	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3954	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3956	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3957	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3958	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3959	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3960	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3962	26170	South Gippsland (S)	87%	4.6%	21	11.5	6.5	0.1	0.1
3962	26810	Wellington (S)	13%	1.1%	21	3.3	1.5	0.1	0.1
3964	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3965	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3966	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3967	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3971	26810	Wellington (S)	100%	8.3%	21	25.3	11.7	0.7	1.1
3975	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2

## Building Activity By Post Code & Climate Zone 1991-92 and 1998-99

Postcode	LGA	LGA name	Proportion of Post Code Located in		NatHERS Climate Zone/s in Postcode	Estimated Detached Building Activity per Postcode	Estimated Detached Building Activity per Postcode	Estimated Attached Building Activity per Postcode	Estimated Attached Building Activity per Postcode
			LGA	Proportion of LGA		91-92	98-99	91-92	98-99
3976	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3977	21610	Casey (C)	95%	8.3%	21	162.8	201.2	6.0	8.7
3977	22170	Frankston (C)	5%	1.0%	21	11.9	7.9	0.2	1.0
3978	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3979	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3980	21610	Casey (C)	100%	8.7%	21	171.9	212.5	6.4	9.2
3981	21450	Cardinia (S)	98%	8.1%	21	30.5	28.3	0.0	1.1
3981	21610	Casey (C)	2%	0.2%	21	3.6	4.4	0.1	0.2
3984	20740	Bass Coast (S)	50%	4.7%	21	13.6	19.0	0.0	0.4
3984	21450	Cardinia (S)	50%	4.1%	21	15.7	14.5	0.0	0.6
3987	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3988	26170	South Gippsland (S)	100%	5.3%	21	13.2	7.5	0.1	0.1
3989	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3990	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3991	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3992	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3995	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
3996	20740	Bass Coast (S)	100%	9.4%	21	27.3	38.2	0.0	0.8
						<b>23065.0</b>	<b>29261.0</b>	<b>1707.0</b>	<b>5017.0</b>

# **Appendix C :**

## **Appliance Ownership Details**

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in Victoria**  
**General Appliance Ownership and Penetration Data**  
**State Summary for Victoria**

Year	RF Penetration VIC	RF Ownership VIC	RF Saturation VIC	FZ Penetration VIC	FZ Ownership VIC	FZ Saturation VIC	CW Penetration VIC	CD Penetration VIC	DW Penetration VIC	TV Penetration VIC	VCR Ownership VIC	Light IC Share VIC	Light QH Share VIC	Light FL Share VIC	Standby Ownership VIC	Pool Penetration VIC	Waterbed Penetration VIC	Spa Penetration VIC
1966	99.5%	1.152	1.158	19.6%	0.199	1.014	89.3%	5.0%	4.0%	65.0%	0.000	85.0%	0.0%	15.0%	1.000	9.1%	6.2%	3.0%
1967	99.5%	1.155	1.161	21.2%	0.215	1.016	89.4%	5.8%	4.3%	68.0%	0.000	85.0%	0.0%	15.0%	1.000	9.1%	6.2%	3.0%
1968	99.5%	1.158	1.164	22.8%	0.232	1.019	89.4%	6.5%	4.5%	71.0%	0.000	85.0%	0.0%	15.0%	1.000	9.1%	6.2%	3.0%
1969	99.5%	1.161	1.167	24.4%	0.249	1.021	89.5%	7.3%	4.8%	74.0%	0.000	85.0%	0.0%	15.0%	1.000	9.1%	6.2%	3.0%
1970	99.5%	1.164	1.170	26.0%	0.266	1.023	89.5%	8.0%	5.0%	77.0%	0.000	85.0%	0.0%	15.0%	1.000	9.1%	6.2%	3.0%
1971	99.5%	1.167	1.173	27.6%	0.283	1.025	89.6%	11.6%	6.0%	80.0%	0.000	85.0%	0.5%	14.5%	1.000	9.1%	6.2%	3.0%
1972	99.5%	1.170	1.176	29.2%	0.300	1.027	89.6%	15.2%	7.1%	83.0%	0.000	85.0%	1.0%	14.0%	1.000	9.1%	6.2%	3.0%
1973	99.5%	1.173	1.179	30.8%	0.317	1.030	89.7%	18.8%	8.1%	86.0%	0.000	85.0%	1.5%	13.5%	1.000	9.1%	6.2%	3.0%
1974	99.5%	1.177	1.182	32.4%	0.334	1.032	89.7%	22.4%	9.1%	89.0%	0.000	85.0%	2.0%	13.0%	1.000	9.1%	6.2%	3.0%
1975	99.6%	1.180	1.185	34.0%	0.352	1.034	89.8%	26.0%	10.2%	92.0%	0.000	85.0%	2.5%	12.5%	1.000	9.1%	6.2%	3.0%
1976	99.6%	1.183	1.188	35.3%	0.365	1.036	89.8%	29.6%	11.2%	95.0%	0.000	85.0%	3.0%	12.0%	1.000	9.1%	6.2%	3.0%
1977	99.6%	1.186	1.191	36.5%	0.379	1.038	89.9%	33.2%	12.2%	95.5%	0.025	85.0%	3.5%	11.5%	1.000	9.1%	6.2%	3.0%
1978	99.6%	1.189	1.194	37.8%	0.393	1.041	89.9%	36.8%	13.2%	96.0%	0.050	85.0%	4.0%	11.0%	1.000	9.1%	6.2%	3.0%
1979	99.6%	1.192	1.197	39.0%	0.407	1.043	90.0%	40.4%	14.3%	96.5%	0.075	85.0%	4.5%	10.5%	1.000	9.1%	6.2%	3.0%
1980	99.6%	1.195	1.200	40.3%	0.421	1.045	90.0%	44.0%	15.3%	97.0%	0.100	85.0%	5.0%	10.0%	1.000	9.1%	6.2%	3.0%
1981	99.6%	1.198	1.203	41.2%	0.432	1.048	90.0%	45.7%	16.6%	97.3%	0.167	83.3%	6.7%	10.0%	1.333	9.1%	6.2%	3.2%
1982	99.6%	1.201	1.206	42.0%	0.442	1.052	90.0%	47.4%	17.8%	97.7%	0.233	81.7%	8.3%	10.0%	1.667	9.1%	6.2%	3.4%
1983	99.6%	1.203	1.208	42.9%	0.453	1.055	90.0%	49.1%	19.1%	98.0%	0.300	80.0%	10.0%	10.0%	2.000	9.1%	6.2%	3.6%
1984	99.6%	1.206	1.211	43.1%	0.456	1.058	90.6%	50.0%	20.3%	98.3%	0.350	78.3%	11.7%	10.0%	2.333	9.1%	6.2%	3.9%
1985	99.6%	1.209	1.214	43.2%	0.459	1.062	91.3%	50.9%	21.4%	98.7%	0.400	76.7%	13.3%	10.0%	2.667	9.1%	6.2%	4.1%
1986	99.6%	1.212	1.217	43.4%	0.462	1.065	91.9%	51.8%	22.6%	99.0%	0.450	75.0%	15.0%	10.0%	3.000	9.1%	6.2%	4.3%
1987	99.6%	1.214	1.219	43.7%	0.466	1.067	92.3%	52.5%	23.8%	99.0%	0.493	73.8%	15.6%	10.6%	3.500	9.1%	6.1%	4.8%
1988	99.7%	1.216	1.220	43.9%	0.469	1.069	92.7%	53.2%	24.9%	99.0%	0.536	72.5%	16.3%	11.3%	4.000	9.1%	6.1%	5.4%
1989	99.7%	1.218	1.222	44.2%	0.473	1.071	93.1%	53.9%	26.1%	99.0%	0.579	71.3%	16.9%	11.9%	4.500	9.1%	6.0%	5.9%
1990	99.8%	1.221	1.224	44.4%	0.477	1.073	93.5%	54.6%	27.3%	99.0%	0.622	70.0%	17.5%	12.5%	5.000	9.1%	5.9%	6.4%
1991	99.8%	1.223	1.225	44.7%	0.480	1.075	93.8%	55.2%	28.4%	99.0%	0.664	68.8%	18.1%	13.1%	5.500	9.1%	5.8%	7.0%
1992	99.8%	1.225	1.227	44.9%	0.484	1.077	94.2%	55.9%	29.6%	99.0%	0.707	67.5%	18.8%	13.8%	6.000	9.1%	5.7%	7.5%
1993	99.9%	1.227	1.229	45.2%	0.487	1.079	94.6%	56.6%	30.7%	99.0%	0.750	66.3%	19.4%	14.4%	6.500	9.1%	5.6%	8.0%
1994	99.9%	1.229	1.230	45.4%	0.491	1.081	95.0%	57.3%	31.9%	99.0%	0.793	65.0%	20.0%	15.0%	7.000	9.1%	5.5%	8.6%
1995	99.9%	1.236	1.238	44.2%	0.478	1.080	95.1%	56.8%	33.0%	99.0%	0.809	64.7%	20.3%	15.0%	7.125	9.0%	5.4%	9.0%
1996	99.9%	1.243	1.245	43.1%	0.465	1.079	95.1%	56.3%	34.1%	99.0%	0.825	64.4%	20.6%	15.0%	7.250	9.0%	5.3%	9.4%
1997	99.8%	1.251	1.253	41.9%	0.452	1.078	95.2%	55.9%	35.2%	99.0%	0.840	64.1%	20.9%	15.0%	7.375	9.0%	5.3%	9.8%
1998	99.8%	1.258	1.260	40.8%	0.439	1.077	95.2%	55.4%	36.3%	99.0%	0.856	63.8%	21.3%	15.0%	7.500	9.0%	5.2%	10.3%
1999	99.8%	1.265	1.268	39.6%	0.426	1.076	95.3%	54.9%	37.4%	99.0%	0.872	63.4%	21.6%	15.0%	7.625	9.0%	5.1%	10.7%
2000	99.8%	1.266	1.269	39.2%	0.421	1.075	95.3%	54.8%	38.0%	99.0%	0.878	63.1%	21.9%	15.0%	7.750	9.0%	5.1%	10.7%
2001	99.8%	1.267	1.270	38.8%	0.417	1.075	95.4%	54.7%	38.6%	99.0%	0.889	62.8%	22.2%	15.0%	7.875	9.0%	5.1%	10.7%
2002	99.8%	1.268	1.271	38.3%	0.412	1.074	95.4%	54.7%	39.2%	99.0%	0.900	62.5%	22.5%	15.0%	8.000	9.0%	5.1%	10.7%
2003	99.8%	1.270	1.272	37.9%	0.407	1.074	95.5%	54.6%	39.8%	99.0%	0.903	62.2%	22.8%	15.0%	8.125	9.0%	5.1%	10.7%
2004	99.8%	1.271	1.273	37.5%	0.403	1.073	95.5%	54.5%	40.4%	99.0%	0.905	61.9%	23.1%	15.0%	8.250	9.0%	5.1%	10.7%
2005	99.8%	1.272	1.274	37.1%	0.398	1.073	95.6%	54.4%	41.0%	99.0%	0.908	61.6%	23.4%	15.0%	8.375	9.0%	5.1%	10.7%
2006	99.8%	1.273	1.275	36.7%	0.393	1.072	95.6%	54.3%	41.6%	99.0%	0.910	61.3%	23.8%	15.0%	8.500	9.0%	5.1%	10.7%
2007	99.8%	1.274	1.277	36.3%	0.388	1.072	95.7%	54.2%	42.2%	99.0%	0.913	60.9%	24.1%	15.0%	8.625	9.0%	5.1%	10.7%
2008	99.8%	1.275	1.278	35.8%	0.384	1.071	95.7%	54.2%	42.8%	99.0%	0.915	60.6%	24.4%	15.0%	8.750	9.0%	5.1%	10.7%
2009	99.8%	1.276	1.279	35.4%	0.379	1.071	95.8%	54.1%	43.4%	99.0%	0.918	60.3%	24.7%	15.0%	8.875	9.0%	5.1%	10.7%
2010	99.8%	1.277	1.280	35.0%	0.375	1.070	95.8%	54.0%	44.0%	99.0%	0.920	60.0%	25.0%	15.0%	9.000	9.0%	5.1%	10.7%

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in Victoria**  
**Space Heating & Cooling Appliance Ownership and Penetration Data**  
**State Summary for Victoria**

Year	AC		AC		AC		AC		AC		Heat		Heat		Heat		Waterheat		Waterheat		Waterheat	
	Penetration VIC	Ownership VIC	Saturation VIC	Evaporative Share VIC	Central RC Share VIC	Central CO Share VIC	Nonduct RC Share VIC	Nonduct CO Share VIC	Electric Penetration VIC	Gas Penetration VIC	Oil Penetration VIC	Wood Penetration VIC	Other Penetration VIC	None Penetration VIC	Electric Penetration VIC	Gas Penetration VIC	Solar Penetration VIC	Other Penetration VIC	None Penetration VIC			
1966	7.0%	0.072	1.028	53.9%	8.4%	1.8%	12.0%	24.0%	20.0%	25.0%	38.7%	9.5%	6.0%	0.8%	50.0%	28.0%	0.0%	17.0%	5.0%			
1967	7.8%	0.080	1.031	52.8%	8.1%	1.8%	13.1%	24.3%	20.0%	26.0%	37.8%	9.5%	5.9%	0.7%	50.1%	28.8%	0.0%	16.5%	4.5%			
1968	8.5%	0.088	1.034	51.6%	7.9%	1.8%	14.1%	24.6%	20.0%	27.0%	37.0%	9.5%	5.7%	0.7%	50.1%	29.7%	0.0%	16.1%	4.1%			
1969	9.3%	0.096	1.037	50.5%	7.6%	1.7%	15.2%	24.9%	20.0%	28.0%	36.1%	9.6%	5.6%	0.7%	50.2%	30.5%	0.0%	15.6%	3.6%			
1970	10.0%	0.104	1.040	49.4%	7.4%	1.7%	16.3%	25.2%	20.0%	29.0%	35.3%	9.6%	5.4%	0.7%	50.3%	31.3%	0.0%	15.1%	3.2%			
1971	11.6%	0.121	1.043	48.2%	7.2%	1.7%	17.4%	25.5%	20.0%	30.0%	34.4%	9.6%	5.3%	0.7%	50.4%	32.2%	0.0%	14.7%	2.7%			
1972	13.2%	0.138	1.046	47.1%	6.9%	1.7%	18.5%	25.8%	20.0%	31.0%	33.6%	9.6%	5.1%	0.6%	50.4%	33.0%	0.0%	14.2%	2.3%			
1973	14.8%	0.155	1.049	46.0%	6.7%	1.6%	19.6%	26.1%	20.0%	32.0%	32.7%	9.6%	5.0%	0.6%	50.5%	33.9%	0.0%	13.8%	1.8%			
1974	16.4%	0.172	1.052	44.9%	6.4%	1.6%	20.7%	26.4%	20.0%	33.0%	31.9%	9.7%	4.8%	0.6%	50.6%	34.7%	0.0%	13.3%	1.4%			
1975	18.0%	0.189	1.055	43.7%	6.2%	1.6%	21.7%	26.7%	20.0%	34.0%	31.0%	9.7%	4.7%	0.6%	50.7%	35.5%	0.0%	12.8%	0.9%			
1976	19.5%	0.207	1.058	42.6%	5.9%	1.6%	22.8%	27.0%	20.0%	35.0%	30.1%	9.7%	4.5%	0.5%	50.7%	36.4%	0.0%	12.4%	0.5%			
1977	21.1%	0.224	1.061	41.5%	5.7%	1.6%	23.9%	27.4%	20.0%	40.0%	25.7%	10.0%	3.7%	0.6%	50.5%	37.9%	0.1%	11.0%	0.6%			
1978	22.7%	0.242	1.064	40.3%	5.4%	1.6%	25.0%	27.7%	19.9%	45.0%	21.3%	10.4%	2.9%	0.7%	50.3%	39.4%	0.1%	9.6%	0.6%			
1979	24.3%	0.259	1.067	39.2%	5.2%	1.5%	26.1%	28.0%	19.8%	50.0%	16.8%	10.7%	2.0%	0.7%	50.1%	40.9%	0.1%	8.2%	0.7%			
1980	25.9%	0.277	1.070	38.1%	4.9%	1.5%	27.2%	28.3%	19.7%	54.9%	12.4%	11.0%	1.2%	0.8%	49.9%	42.4%	0.2%	6.9%	0.7%			
1981	29.4%	0.316	1.075	34.6%	5.0%	1.6%	29.0%	29.8%	20.9%	55.5%	10.8%	10.8%	1.3%	0.7%	49.4%	43.3%	0.2%	6.4%	0.7%			
1982	33.0%	0.356	1.080	31.2%	5.0%	1.6%	30.8%	31.4%	22.1%	56.2%	9.2%	10.6%	1.4%	0.6%	48.9%	44.2%	0.3%	5.9%	0.8%			
1983	36.5%	0.396	1.085	27.7%	5.0%	1.7%	32.7%	33.0%	23.4%	56.8%	7.5%	10.4%	1.5%	0.4%	48.4%	45.1%	0.4%	5.4%	0.8%			
1984	37.8%	0.412	1.090	28.2%	4.5%	1.6%	32.8%	32.9%	22.3%	58.1%	6.6%	11.2%	1.4%	0.5%	47.5%	46.8%	0.5%	4.6%	0.7%			
1985	39.2%	0.429	1.095	28.7%	4.1%	1.5%	32.9%	32.8%	21.2%	59.4%	5.7%	11.9%	1.3%	0.6%	46.7%	48.4%	0.6%	3.8%	0.5%			
1986	40.5%	0.446	1.100	29.2%	3.7%	1.4%	33.0%	32.7%	20.1%	60.7%	4.8%	12.6%	1.2%	0.6%	45.8%	50.1%	0.7%	3.0%	0.4%			
1987	40.1%	0.442	1.105	27.8%	3.7%	1.4%	33.8%	33.2%	19.1%	62.0%	4.4%	12.8%	1.1%	0.6%	44.7%	51.4%	0.7%	2.8%	0.4%			
1988	39.6%	0.439	1.110	26.3%	3.7%	1.5%	34.7%	33.7%	18.2%	63.3%	4.0%	13.0%	1.0%	0.6%	43.7%	52.6%	0.7%	2.7%	0.3%			
1989	39.2%	0.436	1.114	24.9%	3.8%	1.6%	35.6%	34.2%	17.2%	64.6%	3.5%	13.1%	1.0%	0.6%	42.6%	53.8%	0.7%	2.6%	0.3%			
1990	38.7%	0.433	1.119	23.4%	3.8%	1.7%	36.4%	34.7%	16.3%	65.8%	3.1%	13.3%	0.9%	0.6%	41.6%	55.1%	0.7%	2.4%	0.2%			
1991	38.3%	0.430	1.124	22.0%	3.8%	1.8%	37.3%	35.2%	15.3%	67.1%	2.6%	13.5%	0.8%	0.6%	40.5%	56.3%	0.7%	2.3%	0.2%			
1992	37.8%	0.427	1.129	20.6%	3.8%	1.8%	38.1%	35.6%	14.4%	68.4%	2.2%	13.7%	0.7%	0.6%	39.5%	57.5%	0.8%	2.1%	0.1%			
1993	37.4%	0.423	1.133	19.1%	3.8%	1.9%	39.0%	36.1%	13.4%	69.7%	1.7%	13.9%	0.7%	0.6%	38.4%	58.8%	0.8%	2.0%	0.1%			
1994	36.9%	0.420	1.138	17.7%	3.8%	2.0%	39.9%	36.6%	12.5%	71.0%	1.3%	14.0%	0.6%	0.6%	37.4%	60.0%	0.8%	1.9%	0.0%			
1995	38.2%	0.436	1.140	19.2%	4.2%	2.2%	37.1%	37.3%	12.4%	71.1%	1.2%	14.0%	0.6%	0.7%	36.6%	60.8%	0.8%	1.8%	0.0%			
1996	39.5%	0.452	1.143	20.8%	4.6%	2.4%	34.3%	37.9%	12.3%	71.3%	1.2%	14.0%	0.5%	0.8%	35.9%	61.6%	0.8%	1.7%	0.0%			
1997	40.9%	0.468	1.145	22.3%	4.9%	2.6%	31.6%	38.6%	12.2%	71.4%	1.1%	13.9%	0.5%	0.9%	35.2%	62.3%	0.8%	1.7%	0.0%			
1998	42.2%	0.484	1.147	23.9%	5.3%	2.8%	28.8%	39.2%	12.1%	71.5%	1.1%	13.9%	0.4%	1.1%	34.5%	63.1%	0.8%	1.6%	0.0%			
1999	43.5%	0.500	1.149	25.5%	5.7%	3.0%	26.1%	39.8%	11.9%	71.6%	1.0%	13.9%	0.4%	1.2%	33.7%	63.9%	0.9%	1.5%	0.0%			
2000	43.8%	0.505	1.152	25.7%	5.9%	3.1%	25.2%	40.1%	11.8%	71.7%	1.0%	14.0%	0.3%	1.1%	33.4%	64.2%	0.9%	1.5%	0.0%			
2001	44.1%	0.509	1.154	25.9%	6.1%	3.2%	24.4%	40.3%	11.6%	71.8%	0.9%	14.2%	0.3%	1.1%	33.0%	64.6%	0.9%	1.5%	0.0%			
2002	44.5%	0.514	1.156	26.2%	6.3%	3.4%	23.6%	40.6%	11.4%	71.9%	0.9%	14.4%	0.3%	1.1%	32.7%	64.9%	0.9%	1.5%	0.0%			
2003	44.8%	0.519	1.159	26.4%	6.5%	3.5%	22.8%	40.8%	11.2%	72.0%	0.8%	14.6%	0.3%	1.1%	32.4%	65.3%	0.9%	1.4%	0.0%			
2004	45.1%	0.524	1.161	26.6%	6.7%	3.7%	21.9%	41.1%	11.1%	72.0%	0.8%	14.8%	0.2%	1.1%	32.0%	65.6%	0.9%	1.4%	0.0%			
2005	45.4%	0.528	1.163	26.8%	6.9%	3.8%	21.1%	41.3%	10.9%	72.1%	0.7%	15.0%	0.2%	1.1%	31.7%	66.0%	0.9%	1.4%	0.0%			
2006	45.7%	0.533	1.166	27.1%	7.2%	3.9%	20.3%	41.5%	10.7%	72.2%	0.7%	15.2%	0.2%	1.1%	31.3%	66.3%	0.9%	1.4%	0.0%			
2007	46.0%	0.538	1.168	27.3%	7.4%	4.1%	19.5%	41.8%	10.5%	72.3%	0.6%	15.3%	0.2%	1.0%	31.0%	66.7%	1.0%	1.4%	0.0%			
2008	46.4%	0.543	1.170	27.5%	7.6%	4.2%	18.6%	42.0%	10.4%	72.3%	0.6%	15.5%	0.1%	1.0%	30.6%	67.0%	1.0%	1.3%	0.0%			
2009	46.7%	0.547	1.173	27.8%	7.8%	4.4%	17.8%	42.3%	10.2%	72.4%	0.5%	15.7%	0.1%	1.0%	30.3%	67.4%	1.0%	1.3%	0.0%			
2010	47.0%	0.552	1.175	28.0%	8.0%	4.5%	17.0%	42.5%	10.0%	72.5%	0.5%	15.9%	0.1%	1.0%	29.9%	67.7%	1.0%	1.3%	0.0%			

# **Appendix D :**

## **Energy and Greenhouse Gas Emissions Summaries**



# Impact of Minimum Energy Performance Requirements for Class 1 Buildings in Victoria

## Stock Model: Business as Usual Results (Base Case)

### Victoria

#### Appliance BAU+, ABS Series 2

Year	Appliances	Water heat	Water heat	Water heat	Cooking	Cooking	Cooking	Space	Space	Space	Space	Space	Total Energy PJ VIC
	Total	Total	Mains gas	LPG gas	Total	Mains gas	LPG gas	Electric	Mains gas	LPG gas /ood	Closed	Wood Open	
	Elect PJ	Elect PJ	Demand PJ	Demand PJ	Elect PJ	Demand PJ	Demand PJ	Heating PJ	Heating PJ	Heating PJ	Heating PJ	Heating PJ	
	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	
1986	17.7	8.8	14.3	0.5	1.0	1.9	0.2	2.2	36.3	1.4	6.0	3.0	93.1
1987	18.2	8.6	14.8	0.5	1.0	1.9	0.1	2.2	38.2	1.5	6.2	3.0	96.2
1988	18.7	8.5	15.3	0.5	1.0	2.0	0.1	2.2	40.2	1.5	6.5	3.0	99.7
1989	19.3	8.4	15.9	0.5	1.1	2.0	0.1	2.2	42.4	1.5	6.8	3.0	103.4
1990	19.9	8.3	16.4	0.5	1.1	2.1	0.1	2.2	45.0	1.6	7.2	3.1	107.5
1991	20.4	8.2	16.9	0.5	1.1	2.1	0.1	2.2	47.1	1.6	7.5	3.1	110.9
1992	20.9	8.0	17.4	0.6	1.1	2.2	0.1	2.1	48.9	1.6	7.7	3.0	113.8
1993	21.4	7.9	17.9	0.6	1.2	2.3	0.1	2.1	50.8	1.6	8.0	3.0	116.9
1994	21.9	7.7	18.4	0.6	1.2	2.3	0.1	2.1	52.8	1.6	8.3	3.0	120.0
1995	22.2	7.6	18.8	0.6	1.2	2.4	0.1	2.1	53.8	1.6	8.4	2.9	121.8
1996	22.6	7.5	19.1	0.6	1.2	2.4	0.1	2.2	54.5	1.6	8.5	2.8	123.3
1997	22.9	7.4	19.4	0.6	1.3	2.5	0.1	2.3	55.4	1.5	8.6	2.8	124.8
1998	23.2	7.3	19.7	0.6	1.3	2.5	0.1	2.4	56.6	1.5	8.8	2.7	126.8
1999	23.5	7.2	20.0	0.6	1.3	2.5	0.1	2.5	57.9	1.5	9.0	2.7	128.8
2000	23.8	7.1	20.1	0.6	1.4	2.6	0.1	2.5	59.1	1.5	9.3	2.6	130.7
2001	24.0	7.0	20.2	0.6	1.4	2.6	0.1	2.6	60.2	1.5	9.6	2.6	132.6
2002	24.2	7.0	20.4	0.6	1.4	2.7	0.1	2.6	61.5	1.5	10.0	2.6	134.6
2003	24.4	6.9	20.5	0.7	1.4	2.7	0.1	2.7	62.5	1.6	10.3	2.6	136.4
2004	24.6	6.8	20.6	0.7	1.4	2.8	0.2	2.7	63.6	1.6	10.7	2.5	138.2
2005	24.8	6.8	20.8	0.7	1.5	2.8	0.2	2.8	64.7	1.6	11.1	2.5	140.0
2006	25.1	6.7	20.9	0.7	1.5	2.8	0.2	2.8	65.8	1.6	11.4	2.4	141.8
2007	25.3	6.6	21.0	0.7	1.5	2.9	0.2	2.8	66.8	1.6	11.8	2.3	143.6
2008	25.5	6.6	21.2	0.7	1.5	2.9	0.2	2.9	67.9	1.6	12.2	2.3	145.4
2009	25.7	6.5	21.3	0.7	1.5	3.0	0.2	2.9	69.0	1.7	12.6	2.2	147.2
2010	25.9	6.5	21.5	0.7	1.5	3.0	0.2	3.0	70.1	1.7	12.9	2.1	148.9

Year	Appliances	Water heat	Water heat	Water heat	Cooking	Cooking	Cooking	Space	Space	Space	Space	Space	Total GHG MtCO2-e VIC
	Electric	Electric	Mains gas	LPG gas	Electric	Mains gas	LPG gas	Electric	Mains gas	LPG gas /ood	Closed	Wood Open	
	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	MtCO2-e	
	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	
1986	6.88	3.41	0.91	0.03	0.39	0.12	0.01	0.86	2.31	0.10	0.03	0.17	15.21
1987	7.08	3.36	0.94	0.03	0.40	0.12	0.01	0.86	2.43	0.10	0.03	0.17	15.53
1988	7.30	3.32	0.97	0.03	0.41	0.12	0.01	0.86	2.56	0.10	0.03	0.17	15.88
1989	7.52	3.28	1.01	0.03	0.41	0.13	0.01	0.85	2.70	0.10	0.03	0.17	16.25
1990	7.74	3.23	1.04	0.04	0.42	0.13	0.01	0.86	2.86	0.11	0.03	0.18	16.64
1991	7.92	3.17	1.08	0.04	0.43	0.14	0.01	0.85	3.00	0.11	0.03	0.18	16.95
1992	8.09	3.10	1.11	0.04	0.44	0.14	0.01	0.83	3.11	0.11	0.03	0.18	17.19
1993	8.25	3.03	1.14	0.04	0.45	0.14	0.01	0.81	3.23	0.11	0.03	0.17	17.43
1994	8.41	2.96	1.17	0.04	0.46	0.15	0.01	0.80	3.36	0.11	0.04	0.17	17.67
1995	8.52	2.92	1.19	0.04	0.47	0.15	0.01	0.82	3.42	0.11	0.04	0.17	17.85
1996	8.76	2.91	1.22	0.04	0.48	0.15	0.01	0.85	3.47	0.10	0.04	0.16	18.20
1997	8.96	2.89	1.23	0.04	0.50	0.16	0.01	0.89	3.52	0.10	0.04	0.16	18.51
1998	9.18	2.88	1.25	0.04	0.52	0.16	0.01	0.93	3.60	0.10	0.04	0.16	18.87
1999	9.26	2.82	1.27	0.04	0.53	0.16	0.01	0.97	3.68	0.10	0.04	0.15	19.04
2000	9.31	2.78	1.28	0.04	0.53	0.16	0.01	0.99	3.76	0.10	0.04	0.15	19.16
2001	9.34	2.74	1.29	0.04	0.54	0.17	0.01	1.00	3.83	0.10	0.04	0.15	19.25
2002	9.37	2.69	1.30	0.04	0.55	0.17	0.01	1.02	3.91	0.10	0.04	0.15	19.35
2003	9.40	2.65	1.30	0.04	0.55	0.17	0.01	1.03	3.98	0.10	0.05	0.15	19.43
2004	9.42	2.61	1.31	0.04	0.55	0.18	0.01	1.04	4.05	0.11	0.05	0.14	19.51
2005	9.45	2.57	1.32	0.04	0.56	0.18	0.01	1.05	4.11	0.11	0.05	0.14	19.59
2006	9.47	2.53	1.33	0.04	0.56	0.18	0.01	1.06	4.18	0.11	0.05	0.14	19.65
2007	9.48	2.49	1.34	0.05	0.56	0.18	0.01	1.06	4.25	0.11	0.05	0.13	19.72
2008	9.50	2.45	1.35	0.05	0.56	0.19	0.01	1.07	4.32	0.11	0.05	0.13	19.78
2009	9.51	2.41	1.36	0.05	0.56	0.19	0.01	1.08	4.39	0.11	0.05	0.13	19.84
2010	9.53	2.37	1.36	0.05	0.56	0.19	0.01	1.08	4.46	0.11	0.06	0.12	19.90

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in  
Stock Model: Space Heating/Cooling Summary by Scenario  
Victoria  
Appliance BAU+, ABS Series 2**

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11
	No Reg	Regs (BAU)	1 Star	2 Star	3 Star	4 Star	5 Star	Hi In	High In DG	Reg DG	No Reg DG
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
<b>Total Electric Space Heating/Cooling</b>											
Year	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC	Electric Heating VIC
1986	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1987	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1988	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1989	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1990	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1991	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
1992	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2
1993	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
1994	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.1
1995	2.2	2.1	2.2	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.2
1996	2.3	2.2	2.3	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.3
1997	2.4	2.3	2.4	2.3	2.2	2.2	2.1	2.3	2.2	2.2	2.3
1998	2.5	2.4	2.5	2.4	2.3	2.2	2.2	2.3	2.3	2.3	2.5
1999	2.7	2.5	2.6	2.5	2.4	2.3	2.3	2.4	2.4	2.4	2.6
2000	2.7	2.5	2.7	2.6	2.4	2.4	2.3	2.5	2.4	2.4	2.6
2001	2.8	2.6	2.8	2.6	2.5	2.4	2.3	2.5	2.4	2.5	2.7
2002	2.9	2.6	2.9	2.7	2.5	2.4	2.3	2.6	2.5	2.5	2.8
2003	3.0	2.7	3.0	2.7	2.5	2.5	2.4	2.6	2.5	2.5	2.8
2004	3.1	2.7	3.0	2.8	2.6	2.5	2.4	2.7	2.5	2.6	2.9
2005	3.1	2.8	3.1	2.8	2.6	2.5	2.4	2.7	2.5	2.6	2.9
2006	3.2	2.8	3.2	2.9	2.7	2.5	2.4	2.8	2.6	2.6	3.0
2007	3.3	2.8	3.3	2.9	2.7	2.6	2.4	2.8	2.6	2.6	3.1
2008	3.3	2.9	3.3	3.0	2.7	2.6	2.5	2.8	2.6	2.7	3.1
2009	3.4	2.9	3.4	3.0	2.8	2.6	2.5	2.9	2.6	2.7	3.2
2010	3.4	3.0	3.5	3.1	2.8	2.6	2.5	2.9	2.7	2.7	3.2

<b>Total Mains Gas Space Heating</b>											
Year	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC	Mains gas Heating VIC
1986	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
1987	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
1988	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
1989	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
1990	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
1991	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
1992	49.4	48.9	49.2	48.9	48.7	48.5	48.4	48.8	48.6	48.7	49.2
1993	52.0	50.8	51.6	50.9	50.3	50.1	49.8	50.6	50.1	50.4	51.6
1994	54.7	52.8	54.1	52.9	52.0	51.6	51.2	52.4	51.7	52.1	54.0
1995	56.3	53.8	55.5	54.0	52.8	52.2	51.7	53.2	52.3	52.9	55.4
1996	57.6	54.5	56.6	54.7	53.3	52.6	52.0	53.9	52.8	53.4	56.4
1997	59.0	55.4	57.9	55.7	54.0	53.1	52.4	54.6	53.3	54.1	57.7
1998	61.0	56.6	59.8	57.0	54.9	53.9	52.9	55.6	54.0	55.0	59.4
1999	63.1	57.9	61.7	58.3	55.9	54.6	53.5	56.7	54.8	56.0	61.2
2000	65.0	59.1	63.5	59.6	56.7	55.3	54.0	57.7	55.5	56.8	62.8
2001	67.0	60.2	65.2	60.8	57.6	55.9	54.4	58.6	56.1	57.7	64.4
2002	69.0	61.5	67.1	62.1	58.5	56.6	54.9	59.7	56.8	58.6	66.2
2003	70.8	62.5	68.9	63.3	59.3	57.2	55.4	60.5	57.4	59.4	67.7
2004	72.6	63.6	70.7	64.6	60.2	57.9	55.9	61.4	58.0	60.2	69.2
2005	74.4	64.7	72.5	65.9	61.1	58.5	56.4	62.3	58.6	60.9	70.7
2006	76.2	65.8	74.3	67.1	61.9	59.2	56.8	63.2	59.2	61.7	72.2
2007	78.0	66.8	76.1	68.4	62.8	59.9	57.3	64.1	59.7	62.5	73.7
2008	79.8	67.9	78.0	69.7	63.7	60.6	57.8	64.9	60.3	63.3	75.2
2009	81.6	69.0	79.8	71.0	64.6	61.3	58.4	65.8	60.9	64.1	76.7
2010	83.3	70.1	81.7	72.3	65.5	62.0	58.9	66.7	61.5	64.9	78.2

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in  
Stock Model: Space Heating/Cooling Summary by Scenario  
Victoria  
Appliance BAU+, ABS Series 2**

Year	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11
	No Reg	Regs (BAU)	1 Star	2 Star	3 Star	4 Star	5 Star	Hi In	High In DG	Reg DG	No Reg DG
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
<b>Total LPG Space Heating</b>											
	LPG gas Heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC	LPG gas P.-heating VIC
1986	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1987	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1988	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1989	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1990	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1991	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1992	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1993	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1994	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1995	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.5	1.6	1.6
1996	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1997	1.6	1.5	1.6	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.6
1998	1.6	1.5	1.6	1.5	1.5	1.4	1.4	1.5	1.4	1.5	1.6
1999	1.6	1.5	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.6
2000	1.6	1.5	1.6	1.5	1.4	1.4	1.4	1.5	1.4	1.4	1.6
2001	1.7	1.5	1.6	1.5	1.4	1.4	1.4	1.5	1.4	1.4	1.6
2002	1.7	1.5	1.7	1.5	1.5	1.4	1.4	1.5	1.4	1.5	1.7
2003	1.8	1.6	1.7	1.6	1.5	1.4	1.4	1.5	1.4	1.5	1.7
2004	1.8	1.6	1.7	1.6	1.5	1.4	1.4	1.5	1.4	1.5	1.7
2005	1.8	1.6	1.8	1.6	1.5	1.4	1.4	1.5	1.4	1.5	1.7
2006	1.9	1.6	1.8	1.6	1.5	1.4	1.4	1.5	1.4	1.5	1.8
2007	1.9	1.6	1.9	1.7	1.5	1.5	1.4	1.6	1.5	1.5	1.8
2008	1.9	1.6	1.9	1.7	1.5	1.5	1.4	1.6	1.5	1.5	1.8
2009	2.0	1.7	1.9	1.7	1.6	1.5	1.4	1.6	1.5	1.5	1.9
2010	2.0	1.7	2.0	1.7	1.6	1.5	1.4	1.6	1.5	1.6	1.9

Year	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11
	No Reg	Regs (BAU)	1 Star	2 Star	3 Star	4 Star	5 Star	Hi In	High In DG	Reg DG	No Reg DG
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
<b>Total Wood Space Heating (Closed Combustion)</b>											
	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC	Wood Close/Heating VIC
1986	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
1987	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
1988	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
1989	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
1990	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
1991	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
1992	7.8	7.7	7.8	7.7	7.7	7.7	7.6	7.7	7.7	7.7	7.8
1993	8.2	8.0	8.1	8.0	7.9	7.9	7.8	7.9	7.9	7.9	8.1
1994	8.6	8.3	8.5	8.3	8.1	8.1	8.0	8.2	8.1	8.1	8.4
1995	8.8	8.4	8.7	8.4	8.2	8.1	8.1	8.3	8.2	8.2	8.6
1996	9.0	8.5	8.8	8.5	8.3	8.2	8.1	8.4	8.2	8.3	8.8
1997	9.2	8.6	9.0	8.6	8.4	8.2	8.1	8.5	8.3	8.4	9.0
1998	9.5	8.8	9.3	8.8	8.5	8.4	8.2	8.6	8.4	8.5	9.2
1999	9.8	9.0	9.6	9.0	8.7	8.5	8.3	8.8	8.5	8.7	9.5
2000	10.2	9.3	10.0	9.4	8.9	8.7	8.5	9.1	8.7	9.0	9.9
2001	10.7	9.6	10.4	9.7	9.2	9.0	8.7	9.4	9.0	9.2	10.3
2002	11.2	10.0	10.9	10.1	9.5	9.2	8.9	9.7	9.2	9.5	10.8
2003	11.7	10.3	11.4	10.5	9.8	9.5	9.2	10.0	9.5	9.8	11.2
2004	12.2	10.7	11.9	10.9	10.1	9.7	9.4	10.3	9.7	10.1	11.6
2005	12.7	11.1	12.4	11.3	10.4	10.0	9.6	10.6	10.0	10.4	12.1
2006	13.2	11.4	12.9	11.7	10.8	10.3	9.9	11.0	10.3	10.7	12.5
2007	13.8	11.8	13.4	12.1	11.1	10.6	10.1	11.3	10.5	11.0	13.0
2008	14.3	12.2	14.0	12.5	11.4	10.9	10.4	11.6	10.8	11.3	13.5
2009	14.8	12.6	14.5	12.9	11.8	11.2	10.6	12.0	11.1	11.7	14.0
2010	15.4	12.9	15.1	13.4	12.1	11.5	10.9	12.3	11.4	12.0	14.4

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in  
Stock Model: Space Heating/Cooling Summary by Scenario  
Victoria  
Appliance BAU+, ABS Series 2**

Year	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11
	No Reg	Regs (BAU)	1 Star	2 Star	3 Star	4 Star	5 Star	Hi In	High In DG	Reg DG	No Reg DG
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
<b>Total Wood Space Heating (Open Combustion)</b>											
	Wood Heating VIC	Open P-heating VIC	Wood P-heating VIC	Open P-heating VIC	Wood P-heating VIC	Open P-heating VIC	Wood P-heating VIC	Open P-heating VIC	Wood P-heating VIC	Open P-heating VIC	Wood P-heating VIC
1986	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1987	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1988	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1989	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1990	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
1991	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
1992	3.1	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1
1993	3.1	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1
1994	3.1	3.0	3.1	3.0	3.0	2.9	2.9	3.0	2.9	3.0	3.1
1995	3.1	2.9	3.0	2.9	2.9	2.8	2.8	2.9	2.8	2.9	3.0
1996	3.0	2.8	3.0	2.9	2.8	2.7	2.7	2.8	2.8	2.8	2.9
1997	3.0	2.8	2.9	2.8	2.7	2.7	2.6	2.7	2.7	2.7	2.9
1998	2.9	2.7	2.9	2.7	2.6	2.6	2.5	2.7	2.6	2.6	2.9
1999	2.9	2.7	2.8	2.7	2.6	2.5	2.5	2.6	2.5	2.6	2.8
2000	2.9	2.6	2.8	2.7	2.5	2.5	2.4	2.6	2.5	2.5	2.8
2001	2.9	2.6	2.8	2.6	2.5	2.4	2.4	2.6	2.4	2.5	2.8
2002	2.9	2.6	2.8	2.6	2.5	2.4	2.3	2.5	2.4	2.5	2.8
2003	2.9	2.6	2.8	2.6	2.4	2.3	2.3	2.5	2.3	2.4	2.8
2004	2.9	2.5	2.8	2.5	2.4	2.3	2.2	2.4	2.3	2.4	2.7
2005	2.8	2.5	2.8	2.5	2.3	2.2	2.1	2.4	2.2	2.3	2.7
2006	2.8	2.4	2.7	2.5	2.3	2.2	2.1	2.3	2.2	2.3	2.6
2007	2.7	2.3	2.7	2.4	2.2	2.1	2.0	2.2	2.1	2.2	2.6
2008	2.7	2.3	2.6	2.3	2.1	2.0	1.9	2.2	2.0	2.1	2.5
2009	2.6	2.2	2.5	2.3	2.1	2.0	1.9	2.1	1.9	2.0	2.4
2010	2.5	2.1	2.5	2.2	2.0	1.9	1.8	2.0	1.9	2.0	2.4

**Stock Model: Space Heating/Cooling Summary by Scenario**

Year	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC	Energy VIC
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
1986	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
1987	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1988	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
1989	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
1990	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
1991	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
1992	64.1	63.4	63.8	63.4	63.1	62.9	62.8	63.2	63.0	63.1	63.8
1993	67.1	65.5	66.6	65.6	64.9	64.5	64.2	65.2	64.6	65.0	66.5
1994	70.2	67.7	69.4	67.9	66.8	66.2	65.7	67.2	66.3	66.8	69.3
1995	72.1	68.8	71.1	69.0	67.5	66.8	66.1	68.1	66.9	67.7	70.9
1996	73.5	69.6	72.3	69.9	68.1	67.2	66.3	68.8	67.4	68.2	72.0
1997	75.1	70.6	73.8	70.9	68.8	67.7	66.7	69.6	67.9	68.9	73.4
1998	77.5	72.0	76.0	72.4	69.8	68.5	67.3	70.8	68.7	69.9	75.5
1999	80.0	73.5	78.3	74.0	70.9	69.3	67.9	72.0	69.6	71.0	77.6
2000	82.6	75.0	80.6	75.7	72.1	70.2	68.6	73.3	70.5	72.2	79.7
2001	85.1	76.6	83.0	77.3	73.2	71.1	69.2	74.6	71.4	73.3	81.9
2002	87.8	78.2	85.3	79.0	74.4	72.0	69.9	76.0	72.3	74.6	84.2
2003	90.2	79.7	87.7	80.7	75.6	72.9	70.6	77.2	73.1	75.6	86.2
2004	92.6	81.1	90.1	82.4	76.7	73.8	71.2	78.4	74.0	76.7	88.1
2005	94.9	82.5	92.5	84.1	77.9	74.7	71.9	79.6	74.8	77.8	90.1
2006	97.3	84.0	94.9	85.8	79.1	75.6	72.6	80.8	75.6	78.8	92.1
2007	99.6	85.4	97.3	87.5	80.3	76.6	73.3	82.0	76.4	79.9	94.1
2008	102.0	86.9	99.8	89.2	81.5	77.5	74.0	83.2	77.3	81.0	96.1
2009	104.4	88.3	102.2	91.0	82.7	78.5	74.7	84.4	78.1	82.0	98.1
2010	106.7	89.8	104.7	92.7	84.0	79.4	75.5	85.6	78.9	83.1	100.1

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in  
Stock Model: Space Heating/Cooling Summary by Scenario  
Victoria  
Appliance BAU+, ABS Series 2**

Scenario 1 Scenario 2 Scenario 3 Scenario 4 Scenario 5 Scenario 6 Scenario 7 Scenario 8 Scenario 9 Scenario 10 Scenario 11  
No Reg Regs (BAU) 1 Star 2 Star 3 Star 4 Star 5 Star Hi In High In DG Reg DG No Reg DG  
PJ PJ PJ PJ PJ PJ PJ PJ PJ PJ PJ

**GREENHOUSE EMISSIONS**

**Total Electric Space Heating/Cooling**

Year	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC	Electric MTCO2-e VIC
1986	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
1987	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
1988	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
1989	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
1990	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
1991	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
1992	0.84	0.83	0.84	0.83	0.83	0.82	0.82	0.83	0.82	0.83	0.83
1993	0.83	0.81	0.83	0.81	0.81	0.80	0.80	0.81	0.80	0.81	0.82
1994	0.82	0.80	0.82	0.80	0.78	0.78	0.77	0.79	0.78	0.78	0.81
1995	0.85	0.82	0.85	0.82	0.80	0.79	0.78	0.81	0.80	0.80	0.84
1996	0.90	0.85	0.89	0.86	0.83	0.82	0.81	0.85	0.83	0.83	0.88
1997	0.94	0.89	0.93	0.89	0.87	0.85	0.84	0.88	0.86	0.87	0.92
1998	1.00	0.93	0.99	0.94	0.91	0.89	0.87	0.93	0.90	0.90	0.97
1999	1.05	0.97	1.04	0.98	0.94	0.92	0.90	0.96	0.93	0.93	1.01
2000	1.08	0.99	1.07	1.00	0.95	0.93	0.90	0.98	0.94	0.95	1.04
2001	1.10	1.00	1.09	1.02	0.96	0.93	0.91	0.99	0.94	0.96	1.06
2002	1.13	1.02	1.12	1.03	0.97	0.94	0.91	1.00	0.95	0.97	1.08
2003	1.15	1.03	1.14	1.05	0.98	0.94	0.91	1.01	0.96	0.97	1.09
2004	1.17	1.04	1.16	1.06	0.99	0.95	0.91	1.02	0.96	0.98	1.11
2005	1.19	1.05	1.19	1.08	1.00	0.95	0.92	1.03	0.97	0.98	1.12
2006	1.20	1.06	1.21	1.09	1.00	0.96	0.92	1.04	0.97	0.99	1.13
2007	1.22	1.06	1.23	1.10	1.01	0.96	0.92	1.05	0.97	0.99	1.15
2008	1.23	1.07	1.25	1.11	1.01	0.96	0.92	1.05	0.98	0.99	1.16
2009	1.25	1.08	1.27	1.12	1.02	0.97	0.92	1.06	0.98	1.00	1.17
2010	1.26	1.08	1.29	1.13	1.03	0.97	0.92	1.07	0.98	1.00	1.18

**Total Mains Gas Space Heating**

Year	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC	Mains gas MTCO2-e VIC
1986	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31
1987	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
1988	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
1989	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
1990	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86
1991	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
1992	3.14	3.11	3.13	3.11	3.09	3.09	3.08	3.10	3.09	3.10	3.13
1993	3.31	3.23	3.28	3.24	3.20	3.18	3.17	3.22	3.19	3.20	3.28
1994	3.48	3.36	3.44	3.37	3.31	3.28	3.26	3.33	3.29	3.31	3.44
1995	3.58	3.42	3.53	3.43	3.36	3.32	3.29	3.39	3.33	3.36	3.52
1996	3.66	3.47	3.60	3.48	3.39	3.35	3.31	3.43	3.36	3.40	3.59
1997	3.75	3.52	3.68	3.54	3.43	3.38	3.33	3.47	3.39	3.44	3.67
1998	3.88	3.60	3.80	3.62	3.49	3.43	3.37	3.54	3.44	3.50	3.78
1999	4.01	3.68	3.92	3.71	3.56	3.47	3.40	3.61	3.49	3.56	3.89
2000	4.14	3.76	4.04	3.79	3.61	3.52	3.43	3.67	3.53	3.61	3.99
2001	4.26	3.83	4.15	3.87	3.66	3.56	3.46	3.73	3.57	3.67	4.10
2002	4.39	3.91	4.26	3.95	3.72	3.60	3.49	3.79	3.61	3.73	4.21
2003	4.51	3.98	4.38	4.03	3.77	3.64	3.52	3.85	3.65	3.78	4.30
2004	4.62	4.05	4.49	4.11	3.83	3.68	3.55	3.91	3.69	3.83	4.40
2005	4.73	4.11	4.61	4.19	3.88	3.72	3.58	3.96	3.73	3.88	4.50
2006	4.85	4.18	4.72	4.27	3.94	3.77	3.61	4.02	3.76	3.93	4.59
2007	4.96	4.25	4.84	4.35	3.99	3.81	3.65	4.07	3.80	3.98	4.69
2008	5.07	4.32	4.96	4.43	4.05	3.85	3.68	4.13	3.84	4.03	4.78
2009	5.19	4.39	5.08	4.52	4.11	3.90	3.71	4.19	3.88	4.08	4.88
2010	5.30	4.46	5.20	4.60	4.17	3.94	3.75	4.24	3.91	4.13	4.97

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in  
Stock Model: Space Heating/Cooling Summary by Scenario  
Victoria  
Appliance BAU+, ABS Series 2**

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11
	No Reg	Regs (BAU)	1 Star	2 Star	3 Star	4 Star	5 Star	Hi In	High In DG	Reg DG	No Reg DG
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
<b>Total LPG Space Heating</b>											
Year	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC	LPG gas MTCO2-e VIC
1986	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1987	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1988	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1989	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1990	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
1991	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
1992	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
1993	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
1994	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11
1995	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.11	0.10	0.10	0.11
1996	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
1997	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
1998	0.11	0.10	0.11	0.10	0.10	0.10	0.09	0.10	0.10	0.10	0.11
1999	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.09	0.10	0.10
2000	0.11	0.10	0.11	0.10	0.10	0.09	0.09	0.10	0.09	0.10	0.11
2001	0.11	0.10	0.11	0.10	0.10	0.09	0.09	0.10	0.09	0.10	0.11
2002	0.12	0.10	0.11	0.10	0.10	0.09	0.09	0.10	0.10	0.10	0.11
2003	0.12	0.10	0.11	0.11	0.10	0.10	0.09	0.10	0.10	0.10	0.11
2004	0.12	0.11	0.12	0.11	0.10	0.10	0.09	0.10	0.10	0.10	0.11
2005	0.12	0.11	0.12	0.11	0.10	0.10	0.09	0.10	0.10	0.10	0.12
2006	0.12	0.11	0.12	0.11	0.10	0.10	0.09	0.10	0.10	0.10	0.12
2007	0.13	0.11	0.12	0.11	0.10	0.10	0.09	0.10	0.10	0.10	0.12
2008	0.13	0.11	0.13	0.11	0.10	0.10	0.09	0.11	0.10	0.10	0.12
2009	0.13	0.11	0.13	0.11	0.10	0.10	0.09	0.11	0.10	0.10	0.12
2010	0.13	0.11	0.13	0.12	0.11	0.10	0.09	0.11	0.10	0.10	0.13

<b>Total Wood Space Heating (Closed Combustion)</b>											
Year	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC	Wood Close MTCO2-e VIC
1986	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1987	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1988	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1989	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1990	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1991	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1992	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1993	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
1994	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1995	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1996	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1997	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1998	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1999	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2001	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
2002	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
2003	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
2004	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.04	0.04	0.05
2005	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.04	0.05	0.05
2006	0.06	0.05	0.06	0.05	0.05	0.05	0.04	0.05	0.04	0.05	0.05
2007	0.06	0.05	0.06	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.06
2008	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
2009	0.07	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06
2010	0.07	0.06	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06

**Impact of Minimum Energy Performance Requirements for Class 1 Buildings in  
Stock Model: Space Heating/Cooling Summary by Scenario  
Victoria  
Appliance BAU+, ABS Series 2**

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11
	No Reg	Regs (BAU)	1 Star	2 Star	3 Star	4 Star	5 Star	Hi In	High In DG	Reg DG	No Reg DG
	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
<b>Total Wood Space Heating (Open Combustion)</b>											
Year	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op	Wood Op
	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e
	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC
1986	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
1987	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
1988	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
1989	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
1990	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
1991	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
1992	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.18	0.17	0.17	0.18
1993	0.18	0.17	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18
1994	0.18	0.17	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18
1995	0.18	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.16	0.17	0.17
1996	0.17	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17
1997	0.17	0.16	0.17	0.16	0.16	0.15	0.15	0.16	0.15	0.16	0.17
1998	0.17	0.16	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.16
1999	0.17	0.15	0.16	0.16	0.15	0.15	0.14	0.15	0.15	0.15	0.16
2000	0.17	0.15	0.16	0.15	0.15	0.14	0.14	0.15	0.14	0.15	0.16
2001	0.17	0.15	0.16	0.15	0.14	0.14	0.14	0.15	0.14	0.14	0.16
2002	0.17	0.15	0.16	0.15	0.14	0.14	0.13	0.15	0.14	0.14	0.16
2003	0.17	0.15	0.16	0.15	0.14	0.13	0.13	0.14	0.14	0.14	0.16
2004	0.17	0.14	0.16	0.15	0.14	0.13	0.13	0.14	0.13	0.14	0.16
2005	0.16	0.14	0.16	0.14	0.13	0.13	0.12	0.14	0.13	0.13	0.15
2006	0.16	0.14	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
2007	0.16	0.13	0.15	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
2008	0.15	0.13	0.15	0.13	0.12	0.12	0.11	0.13	0.12	0.12	0.15
2009	0.15	0.13	0.15	0.13	0.12	0.11	0.11	0.12	0.11	0.12	0.14
2010	0.15	0.12	0.14	0.13	0.11	0.11	0.10	0.12	0.11	0.11	0.14

**Stock Model: Space Heating/Cooling Summary by Scenario**

Year	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e	CO2-e
	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC	VIC
1986	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
1987	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58
1988	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
1989	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
1990	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04
1991	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16
1992	4.30	4.26	4.29	4.26	4.24	4.22	4.22	4.25	4.23	4.24	4.28
1993	4.46	4.36	4.43	4.37	4.32	4.30	4.27	4.34	4.30	4.32	4.43
1994	4.63	4.47	4.58	4.48	4.41	4.37	4.33	4.44	4.38	4.41	4.57
1995	4.76	4.55	4.70	4.57	4.47	4.41	4.37	4.51	4.43	4.47	4.68
1996	4.88	4.63	4.81	4.64	4.52	4.46	4.41	4.57	4.48	4.53	4.78
1997	5.01	4.71	4.93	4.74	4.59	4.52	4.45	4.65	4.54	4.60	4.90
1998	5.20	4.83	5.10	4.86	4.69	4.60	4.52	4.76	4.62	4.69	5.06
1999	5.38	4.94	5.27	4.98	4.77	4.66	4.57	4.85	4.69	4.78	5.21
2000	5.54	5.04	5.42	5.08	4.84	4.71	4.60	4.93	4.74	4.84	5.34
2001	5.69	5.13	5.56	5.18	4.91	4.76	4.64	5.01	4.79	4.91	5.47
2002	5.85	5.22	5.71	5.28	4.97	4.81	4.67	5.09	4.84	4.98	5.60
2003	5.99	5.30	5.85	5.38	5.03	4.85	4.70	5.15	4.88	5.03	5.72
2004	6.13	5.38	5.99	5.47	5.10	4.90	4.73	5.22	4.92	5.08	5.83
2005	6.26	5.46	6.13	5.57	5.16	4.94	4.76	5.28	4.96	5.14	5.94
2006	6.39	5.53	6.27	5.66	5.22	4.99	4.79	5.34	5.00	5.19	6.05
2007	6.53	5.61	6.41	5.75	5.28	5.03	4.82	5.40	5.04	5.24	6.16
2008	6.65	5.68	6.54	5.85	5.34	5.08	4.85	5.47	5.08	5.29	6.26
2009	6.78	5.76	6.68	5.94	5.40	5.12	4.88	5.53	5.11	5.34	6.37
2010	6.91	5.83	6.82	6.04	5.47	5.17	4.91	5.59	5.15	5.39	6.47