

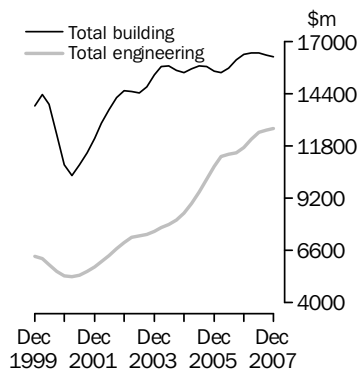
**CONSTRUCTION WORK DONE** AUSTRALIA  
PRELIMINARY

EMBARGO: 11.30AM (CANBERRA TIME) WED 27 FEB 2008

**KEY FIGURES**

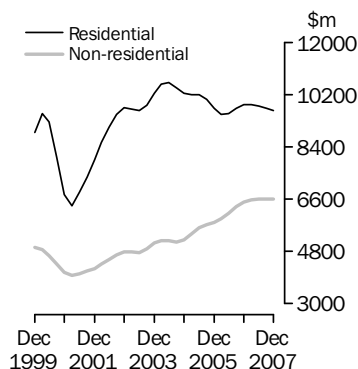
**Value of construction work done**

Volume terms  
Trend estimates



**Value of building work done**

Volume terms  
Trend estimates



**INQUIRIES**

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Paul Pamment on Adelaide (08) 8237 7647.

	Dec qtr 07 \$m	Sep qtr 07 to Dec qtr 07 % change	Dec qtr 06 to Dec qtr 07 % change
<b>TREND ESTIMATES (a)</b>			
<b>Value of work done</b>			
Building	16 252.0	-0.4	-0.6
Residential	9 660.7	-0.6	-2.0
Non-residential	6 591.8	-0.2	1.6
Engineering	12 661.3	0.6	7.9
<b>Total construction</b>	<b>28 919.6</b>	—	<b>3.0</b>

**SEASONALLY ADJUSTED ESTIMATES (a)**

	Dec qtr 07 \$m	Sep qtr 07 to Dec qtr 07 % change	Dec qtr 06 to Dec qtr 07 % change
<b>Value of work done</b>			
Building	16 175.2	-2.2	-1.6
Residential	9 701.4	-0.2	-1.2
Non-residential	6 473.8	-5.1	-2.2
Engineering	12 679.4	0.7	8.6
<b>Total construction</b>	<b>28 854.5</b>	<b>-1.0</b>	<b>2.6</b>

— nil or rounded to zero (including null cells)

(a) Chain volume measures, reference year 2005–06.

**KEY POINTS**

**VALUE OF WORK DONE, CHAIN VOLUME MEASURES**

**TOTAL CONSTRUCTION**

- The trend estimate for the value of total construction work done remained unchanged in the December quarter 2007.
- The seasonally adjusted estimate for the value of total construction work done fell 1.0%, to \$28,854.5m, in the December quarter.

**BUILDING**

- The trend estimate for the value of building work done fell 0.4% in the December quarter. Residential building work done fell 0.6% while non-residential fell 0.2%.
- The seasonally adjusted estimate for the value of building work done fell 2.2% in the December quarter, to \$16,175.2m. Residential building work done fell 0.2% to \$9,701.4m and non-residential building work done fell 5.1%, to \$6,473.8m.

**ENGINEERING**

- The trend estimate for Engineering work done rose 0.6% in the latest quarter.
- The seasonally adjusted estimate for Engineering work done rose 0.7%, to \$12,679.4m, in the December quarter.

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE (Quarter)</i>	<i>RELEASE DATE</i>
March 2008	28 May 2008
June 2008	27 August 2008

.....

## ABOUT THIS ISSUE

This publication provides an early indication of trends in building and engineering construction activity. The data are estimates based on a response rate of approximately 80% of the value of both building and engineering work done during the quarter. More comprehensive and updated results will be released in *Building Activity, Australia* (cat. no. 8752.0) on 18 April 2008 and in *Engineering Construction Activity, Australia* (cat. no. 8762.0) on 17 April 2008.

## CHANGES IN THIS ISSUE

As noted last quarter, this release has used ARIMA modelling where appropriate for individual time series. The revision properties of the seasonally adjusted and trend estimates can be improved by the use of autoregressive integrated moving average (ARIMA) modelling. ARIMA modelling relies on the characteristics of the series being analysed to project future period data. The projected values are temporary, intermediate values, that are only used internally to improve the estimation of the seasonal factors. The projected data do not affect the original estimates and are discarded at the end of the seasonal adjustment process. The ARIMA model is assessed as part of the annual reanalysis and following the 2008 annual reanalysis 63% of the applicable Construction Work Done series and 58% of the applicable Engineering Construction Work Done series will use an ARIMA model. For more information on the details of ARIMA modelling see feature article: *Use of ARIMA modelling to reduce revisions* in the October 2004 issue of *Australian Economic Indicators* (cat. no. 1350.0).

## DATA NOTES

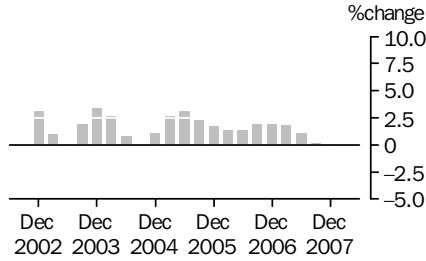
There are no notes about the data.

Peter Harper  
Acting Australian Statistician

# CONSTRUCTION WORK DONE CHAIN VOLUME MEASURES

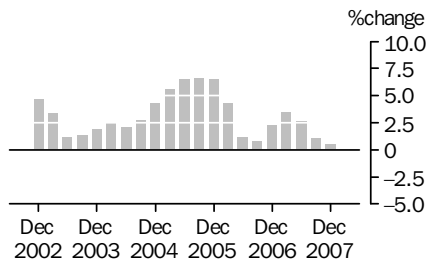
## TREND PERCENTAGE CHANGE

### TOTAL CONSTRUCTION



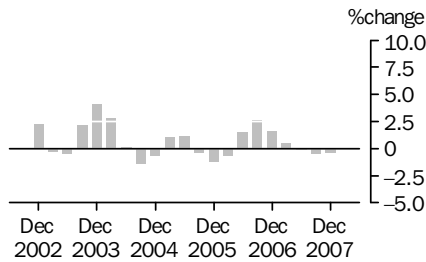
The trend estimate for total construction work done has increased for the past 13 quarters driven by consistent growth in the Engineering sector.

### ENGINEERING



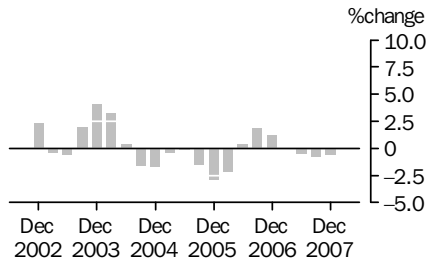
The trend estimate for engineering construction work done has increased for the past 27 quarters.

### BUILDING



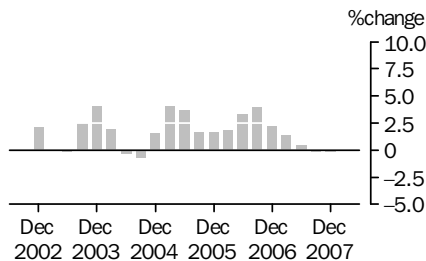
The trend estimate for total building work done is now showing falls for the last three quarters after rising for the previous four quarters.

### RESIDENTIAL



The trend estimate for residential building work done has fallen for the last three quarters after rising for the previous four quarters.

### NON-RESIDENTIAL

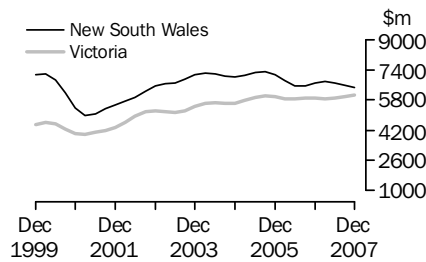


The trend estimate for non-residential work done is now showing falls for the last two quarters after rising for the previous 11 quarters.

# CONSTRUCTION WORK DONE STATES AND TERRITORIES

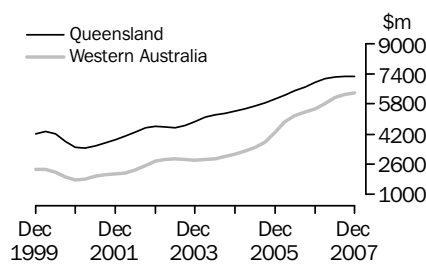
## CHAIN VOLUME MEASURES—TREND ESTIMATES

NEW SOUTH WALES  
VICTORIA



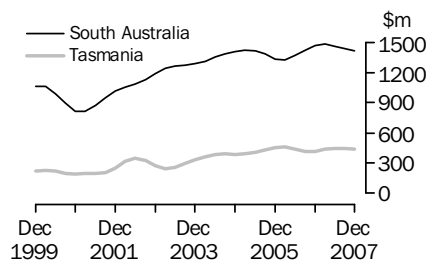
Construction work done in New South Wales has fallen for the last three quarters. Construction work done in Victoria has risen for the last three quarters.

QUEENSLAND  
WESTERN AUSTRALIA



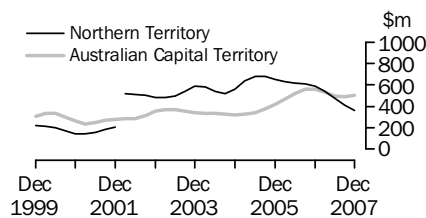
Construction work done has grown in Queensland for the last 18 quarters. Construction work done in Western Australia has grown for the last 16 quarters.

SOUTH AUSTRALIA  
TASMANIA



Construction work done in South Australia has fallen for the last three quarters. In Tasmania, construction work done has fallen for the last two quarters.

NORTHERN TERRITORY  
AUSTRALIAN CAPITAL  
TERRITORY



Break in NT trend series from March 2002

Construction work done in the Northern Territory has fallen for the last 10 quarters. In the Australian Capital Territory, construction work done has risen this quarter after falling for the previous four quarters.

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## CONSTRUCTION WORK DONE, Chain volume measures(a)

Period	BUILDING WORK DONE			ENGINEERING WORK DONE			CONSTRUCTION WORK DONE		
	Private	Public	Total	Private	Public	Total	Private	Public	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL									
<b>2004-05</b>	57 078.7	5 339.5	62 427.2	20 269.9	14 675.5	34 938.3	77 349.9	20 013.4	97 375.2
<b>2005-06</b>	56 537.8	5 932.7	62 470.5	26 651.8	17 274.1	43 925.9	83 189.6	23 206.8	106 396.4
<b>2006-07</b>	58 410.1	6 641.4	65 051.5	30 495.5	17 042.9	47 538.5	88 905.6	23 684.3	112 589.9
<b>2006</b>									
Sep Qtr	14 802.1	1 664.9	16 467.0	6 694.8	3 941.3	10 636.1	21 496.9	5 606.2	27 103.1
Dec Qtr	15 232.0	1 813.4	17 045.4	7 524.0	4 484.8	12 008.8	22 756.0	6 298.2	29 054.2
<b>2007</b>									
Mar Qtr	13 760.2	1 525.9	15 286.1	7 578.4	4 158.7	11 737.1	21 338.6	5 684.6	27 023.3
Jun Qtr	14 615.8	1 637.1	16 252.9	8 698.3	4 458.1	13 156.4	23 314.1	6 095.2	29 409.3
Sep Qtr	15 456.4	1 739.5	17 195.9	7 951.8	4 039.0	11 990.8	23 408.2	5 778.5	29 186.7
Dec Qtr	15 070.8	1 698.5	16 769.3	8 346.8	4 596.2	12 943.0	23 417.6	6 294.6	29 712.3
SEASONALLY ADJUSTED									
<b>2006</b>									
Sep Qtr	14 249.8	1 619.3	15 869.0	6 759.9	4 301.9	11 061.8	21 009.7	5 921.2	26 930.8
Dec Qtr	14 672.9	1 766.9	16 439.7	7 152.2	4 522.9	11 675.1	21 825.1	6 289.7	28 114.8
<b>2007</b>									
Mar Qtr	14 938.3	1 680.7	16 619.1	8 124.1	4 290.1	12 414.2	23 062.4	5 970.8	29 033.2
Jun Qtr	14 549.1	1 574.5	16 123.7	8 459.4	3 928.1	12 387.5	23 008.5	5 502.6	28 511.2
Sep Qtr	14 849.8	1 688.9	16 538.5	8 253.7	4 341.6	12 595.3	23 103.5	6 030.5	29 133.8
Dec Qtr	14 525.7	1 649.6	16 175.2	8 078.8	4 600.5	12 679.4	22 604.5	6 250.2	28 854.5
TREND									
<b>2006</b>									
Sep Qtr	14 405.4	1 677.2	16 082.2	6 959.7	4 515.9	11 469.3	21 363.2	6 192.7	27 550.7
Dec Qtr	14 645.1	1 697.9	16 342.9	7 136.4	4 648.9	11 735.3	21 798.7	6 352.2	28 078.2
<b>2007</b>									
Mar Qtr	14 760.6	1 677.0	16 437.6	(b)8 141.8	(b)3 978.2	12 142.9	(b)22 889.4	(b)5 637.4	28 580.6
Jun Qtr	14 761.7	1 648.1	16 409.9	8 303.0	4 161.3	12 464.6	23 062.0	5 807.7	28 872.5
Sep Qtr	14 684.0	1 639.8	16 323.9	8 273.7	4 321.9	12 590.8	22 959.9	5 964.5	28 914.0
Dec Qtr	14 596.3	1 655.6	16 252.0	8 175.2	4 476.8	12 661.3	22 769.4	6 132.4	28 919.6

(a) Chain volume measures, reference year 2005-06. See paragraphs 27-30 of the Explanatory Notes.

(b) Break in series between December 2006 and March 2007.

## CONSTRUCTION WORK DONE, Chain volume measures(a)—Change from previous period

Period	BUILDING WORK DONE			ENGINEERING WORK DONE			CONSTRUCTION WORK DONE		
	Private	Public	Total	Private	Public	Total	Private	Public	Total
	%	%	%	%	%	%	%	%	%
ORIGINAL									
<b>2004-05</b>	1.0	2.5	1.1	15.1	13.9	14.6	4.4	10.8	5.6
<b>2005-06</b>	-0.9	11.1	0.1	31.5	17.7	25.7	7.5	16.0	9.3
<b>2006-07</b>	3.3	11.9	4.1	14.4	-1.3	8.2	6.9	2.1	5.8
<b>2006</b>									
Sep Qtr	2.9	-1.5	2.4	-5.2	-25.6	-13.9	0.2	-19.8	-4.7
Dec Qtr	2.9	8.9	3.5	12.4	13.8	12.9	5.9	12.3	7.2
<b>2007</b>									
Mar Qtr	-9.7	-15.9	-10.3	0.7	-7.3	-2.3	-6.2	-9.7	-7.0
Jun Qtr	6.2	7.3	6.3	14.8	7.2	12.1	9.3	7.2	8.8
Sep Qtr	5.8	6.3	5.8	-8.6	-9.4	-8.9	0.4	-5.2	-0.8
Dec Qtr	-2.5	-2.4	-2.5	5.0	13.8	7.9	—	8.9	1.8
SEASONALLY ADJUSTED									
<b>2006</b>									
Sep Qtr	-0.5	-0.2	-0.5	-5.0	-7.5	-6.0	-2.0	-5.6	-2.8
Dec Qtr	3.0	9.1	3.6	5.8	5.1	5.5	3.9	6.2	4.4
<b>2007</b>									
Mar Qtr	1.8	-4.9	1.1	13.6	-5.1	6.3	5.7	-5.1	3.3
Jun Qtr	-2.6	-6.3	-3.0	4.1	-8.4	-0.2	-0.2	-7.8	-1.8
Sep Qtr	2.1	7.3	2.6	-2.4	10.5	1.7	0.4	9.6	2.2
Dec Qtr	-2.2	-2.3	-2.2	-2.1	6.0	0.7	-2.2	3.6	-1.0
TREND									
<b>2006</b>									
Sep Qtr	2.4	5.3	2.7	1.0	0.9	0.8	1.9	2.1	1.9
Dec Qtr	1.7	1.2	1.6	2.5	2.9	2.3	2.0	2.6	1.9
<b>2007</b>									
Mar Qtr	0.8	-1.2	0.6	(b)np	(b)np	3.5	(b)np	(b)np	1.8
Jun Qtr	—	-1.7	-0.2	2.0	4.6	2.6	0.8	3.0	1.0
Sep Qtr	-0.5	-0.5	-0.5	-0.4	3.9	1.0	-0.4	2.7	0.1
Dec Qtr	-0.6	1.0	-0.4	-1.2	3.6	0.6	-0.8	2.8	—

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) Chain volume measures, reference year 2005-06. See paragraphs 27-30 of the Explanatory Notes.

(b) Break in series between December 2006 and March 2007.

**CONSTRUCTION WORK DONE, Current prices**

Period	BUILDING WORK DONE			ENGINEERING WORK DONE			CONSTRUCTION WORK DONE		
	Private	Public	Total	Private	Public	Total	Private	Public	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL									
<b>2004-05</b>	54 194.5	4 992.3	59 186.8	19 240.1	13 823.2	33 063.3	73 434.6	18 815.5	92 250.1
<b>2005-06</b>	56 537.8	5 932.7	62 470.5	26 651.8	17 274.1	43 925.8	83 189.6	23 206.8	106 396.4
<b>2006-07</b>	60 851.7	6 998.6	67 850.3	33 911.2	18 737.7	52 648.9	94 762.9	25 736.3	120 499.2
<b>2006</b>									
Sep Qtr	15 177.2	1 715.3	16 892.5	7 225.1	4 286.8	11 511.9	22 402.3	6 002.1	28 404.4
Dec Qtr	15 762.2	1 897.9	17 660.1	8 283.4	4 891.9	13 175.3	24 045.6	6 789.8	30 835.4
<b>2007</b>									
Mar Qtr	14 402.8	1 616.7	16 019.5	8 528.9	4 602.1	13 131.0	22 931.7	6 218.8	29 150.5
Jun Qtr	15 509.5	1 768.8	17 278.2	9 873.8	4 956.9	14 830.7	25 383.3	6 725.7	32 109.0
Sep Qtr	16 634.2	1 910.1	18 544.3	9 105.0	4 548.2	13 653.1	25 739.2	6 458.3	32 197.5
Dec Qtr	16 444.1	1 882.4	18 326.5	9 514.7	5 228.3	14 743.0	25 958.8	7 110.8	33 069.5
SEASONALLY ADJUSTED									
<b>2006</b>									
Sep Qtr	14 624.9	1 671.9	16 296.8	7 256.1	4 681.3	11 937.3	21 881.0	6 353.2	28 234.2
Dec Qtr	15 199.9	1 850.8	17 050.7	7 811.3	4 958.6	12 770.0	23 011.2	6 809.5	29 820.7
<b>2007</b>									
Mar Qtr	15 651.7	1 781.1	17 432.8	9 053.1	4 783.2	13 836.2	24 704.8	6 564.3	31 269.0
Jun Qtr	15 454.0	1 700.7	17 154.7	9 499.0	4 389.6	13 888.6	24 953.0	6 090.3	31 043.3
Sep Qtr	15 992.0	1 859.2	17 851.2	9 347.6	4 917.5	14 265.1	25 339.6	6 776.7	32 116.4
Dec Qtr	15 861.7	1 832.9	17 694.6	9 108.9	5 262.0	14 370.9	24 970.6	7 094.9	32 065.5
TREND									
<b>2006</b>									
Sep Qtr	14 776.4	1 733.3	16 509.6	7 426.8	4 820.2	12 246.9	22 203.1	6 553.5	28 756.6
Dec Qtr	15 177.0	1 776.5	16 953.5	7 814.2	4 987.3	12 801.5	22 991.2	6 763.7	29 755.0
<b>2007</b>									
Mar Qtr	15 473.2	1 780.4	17 253.6	(a)9 064.2	(a)4 339.3	13 403.5	(a)24 537.4	(a)6 119.7	30 657.1
Jun Qtr	15 679.2	1 780.3	17 459.5	9 323.0	4 590.1	13 913.1	25 002.2	6 370.4	31 372.6
Sep Qtr	15 812.9	1 800.6	17 613.5	9 340.3	4 873.7	14 213.9	25 153.1	6 674.3	31 827.4
Dec Qtr	15 924.0	1 839.9	17 763.8	9 248.2	5 144.5	14 392.7	25 172.2	6 984.3	32 156.5

(a) Break in series between December 2006 and March 2007.



## CONSTRUCTION WORK DONE, Current prices—Change from previous period

Period	BUILDING WORK DONE			ENGINEERING WORK DONE			CONSTRUCTION WORK DONE		
	Private	Public	Total	Private	Public	Total	Private	Public	Total
	%	%	%	%	%	%	%	%	%
ORIGINAL									
<b>2004-05</b>	8.8	12.5	9.1	21.5	19.5	20.6	11.8	17.5	13.0
<b>2005-06</b>	4.3	18.8	5.5	38.5	25.0	32.9	13.3	23.3	15.3
<b>2006-07</b>	7.6	18.0	8.6	27.2	8.5	19.9	13.9	10.9	13.3
<b>2006</b>									
Sep Qtr	3.9	-0.5	3.4	-1.3	-21.4	-9.9	2.1	-16.4	-2.4
Dec Qtr	3.9	10.6	4.5	14.6	14.1	14.4	7.3	13.1	8.6
<b>2007</b>									
Mar Qtr	-8.6	-14.8	-9.3	3.0	-5.9	-0.3	-4.6	-8.4	-5.5
Jun Qtr	7.7	9.4	7.9	15.8	7.7	12.9	10.7	8.2	10.1
Sep Qtr	7.3	8.0	7.3	-7.8	-8.2	-7.9	1.4	-4.0	0.3
Dec Qtr	-1.1	-1.5	-1.2	4.5	15.0	8.0	0.9	10.1	2.7
SEASONALLY ADJUSTED									
<b>2006</b>									
Sep Qtr	0.5	0.9	0.6	-1.4	-1.8	-1.5	-0.1	-1.1	-0.3
Dec Qtr	3.9	10.7	4.6	7.7	5.9	7.0	5.2	7.2	5.6
<b>2007</b>									
Mar Qtr	3.0	-3.8	2.2	15.9	-3.5	8.3	7.4	-3.6	4.9
Jun Qtr	-1.3	-4.5	-1.6	4.9	-8.2	0.4	1.0	-7.2	-0.7
Sep Qtr	3.5	9.3	4.1	-1.6	12.0	2.7	1.5	11.3	3.5
Dec Qtr	-0.8	-1.4	-0.9	-2.6	7.0	0.7	-1.5	4.7	-0.2
TREND									
<b>2006</b>									
Sep Qtr	3.4	6.6	3.7	4.2	3.9	4.1	3.7	4.6	3.9
Dec Qtr	2.7	2.5	2.7	5.2	3.5	4.5	3.5	3.2	3.5
<b>2007</b>									
Mar Qtr	2.0	0.2	1.8	(a)np	(a)np	4.7	(a)np	(a)np	3.0
Jun Qtr	1.3	—	1.2	2.9	5.8	3.8	1.9	4.1	2.3
Sep Qtr	0.9	1.1	0.9	0.2	6.2	2.2	0.6	4.8	1.4
Dec Qtr	0.7	2.2	0.9	-1.0	5.6	1.3	0.1	4.6	1.0

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) Break in series between December 2006 and March 2007.

## VALUE OF BUILDING WORK DONE (a), Chain volume measures

	NEW RESIDENTIAL BUILDING		ALTERATIONS AND ADDITIONS		RESIDENTIAL BUILDING		NON-RESIDENTIAL BUILDING		TOTAL BUILDING	
	Private	Total	Private	Total	Private	Total	Private	Total	Private	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL										
<b>2004-05</b>	34 203.9	34 904.4	6 022.2	6 213.5	40 224.9	41 116.7	16 830.0	21 278.8	57 078.7	62 427.2
<b>2005-06</b>	32 176.5	32 894.0	5 758.6	5 953.3	37 935.1	38 847.3	18 602.7	23 623.2	56 537.8	62 470.5
<b>2006-07</b>	32 400.2	33 028.6	5 987.7	6 182.7	38 387.9	39 211.3	20 022.2	25 840.2	58 410.1	65 051.5
<b>2006</b>										
Sep Qtr	8 272.9	8 433.1	1 540.4	1 580.9	9 813.3	10 014.0	4 988.8	6 453.0	14 802.1	16 467.0
Dec Qtr	8 279.0	8 444.3	1 641.3	1 688.8	9 920.3	10 133.1	5 311.7	6 912.3	15 232.0	17 045.4
<b>2007</b>										
Mar Qtr	7 750.1	7 889.4	1 317.4	1 376.5	9 067.5	9 265.9	4 692.7	6 020.3	13 760.2	15 286.1
Jun Qtr	8 098.2	8 261.8	1 488.6	1 536.6	9 586.7	9 798.4	5 029.0	6 454.5	14 615.8	16 252.9
Sep Qtr	8 258.2	8 442.5	1 559.6	1 590.4	9 817.7	10 032.9	5 638.7	7 163.0	15 456.4	17 195.9
Dec Qtr	8 085.3	8 287.3	1 691.9	1 726.3	9 777.2	10 013.7	5 293.6	6 755.6	15 070.8	16 769.3
SEASONALLY ADJUSTED										
<b>2006</b>										
Sep Qtr	8 011.0	8 165.8	1 489.6	1 531.9	9 500.7	9 697.7	4 749.1	6 171.4	14 249.8	15 869.0
Dec Qtr	8 099.2	8 254.2	1 517.7	1 569.0	9 616.8	9 823.2	5 056.1	6 616.5	14 672.9	16 439.7
<b>2007</b>										
Mar Qtr	8 283.6	8 438.6	1 485.1	1 544.9	9 768.7	9 983.5	5 169.7	6 635.5	14 938.3	16 619.1
Jun Qtr	8 006.4	8 170.0	1 495.3	1 536.9	9 501.8	9 706.9	5 047.3	6 416.8	14 549.1	16 123.7
Sep Qtr	7 995.9	8 174.7	1 510.5	1 542.5	9 506.4	9 717.2	5 343.4	6 821.3	14 849.8	16 538.5
Dec Qtr	7 914.3	8 103.2	1 561.5	1 598.2	9 475.8	9 701.4	5 049.9	6 473.8	14 525.7	16 175.2
TREND										
<b>2006</b>										
Sep Qtr	8 040.1	8 201.0	1 486.2	1 531.3	9 526.3	9 732.3	4 879.1	6 350.2	14 405.4	16 082.2
Dec Qtr	8 142.1	8 296.2	1 505.3	1 556.7	9 647.4	9 852.9	4 997.7	6 490.1	14 645.1	16 342.9
<b>2007</b>										
Mar Qtr	8 153.0	8 308.6	1 495.9	1 547.7	9 648.9	9 856.3	5 111.7	6 581.2	14 760.6	16 437.6
Jun Qtr	8 087.9	8 253.4	1 499.5	1 544.3	9 587.4	9 797.7	5 174.3	6 612.6	14 761.7	16 409.9
Sep Qtr	7 989.5	8 166.3	1 518.5	1 555.5	9 508.0	9 721.8	5 176.0	6 602.1	14 684.0	16 323.9
Dec Qtr	7 893.2	8 081.7	1 546.4	1 578.0	9 441.1	9 660.7	5 155.2	6 591.8	14 596.3	16 252.0

(a) Chain volume measures, reference year 2005-06. See paragraphs 27-30 of the Explanatory Notes.

VALUE OF BUILDING WORK DONE, Chain volume measures(a)—Change from previous period

Period	NEW RESIDENTIAL BUILDING		ALTERATIONS AND ADDITIONS		RESIDENTIAL BUILDING		NON-RESIDENTIAL BUILDING		TOTAL BUILDING	
	Private	Total	Private	Total	Private	Total	Private	Total	Private	Total
	%	%	%	%	%	%	%	%	%	%
ORIGINAL										
<b>2004-05</b>	-0.7	-0.5	—	0.1	-0.6	-0.4	5.3	4.3	1.0	1.1
<b>2005-06</b>	-5.9	-5.8	-4.4	-4.2	-5.7	-5.5	10.5	11.0	-0.9	0.1
<b>2006-07</b>	0.7	0.4	4.0	3.9	1.2	0.9	7.6	9.4	3.3	4.1
<b>2006</b>										
Sep Qtr	2.2	1.9	5.6	5.0	2.7	2.4	3.2	2.4	2.9	2.4
Dec Qtr	0.1	0.1	6.6	6.8	1.1	1.2	6.5	7.1	2.9	3.5
<b>2007</b>										
Mar Qtr	-6.4	-6.6	-19.7	-18.5	-8.6	-8.6	-11.7	-12.9	-9.7	-10.3
Jun Qtr	4.5	4.7	13.0	11.6	5.7	5.7	7.2	7.2	6.2	6.3
Sep Qtr	2.0	2.2	4.8	3.5	2.4	2.4	12.1	11.0	5.8	5.8
Dec Qtr	-2.1	-1.8	8.5	8.5	-0.4	-0.2	-6.1	-5.7	-2.5	-2.5
SEASONALLY ADJUSTED										
<b>2006</b>										
Sep Qtr	—	-0.2	1.4	1.5	0.2	—	-2.1	-1.3	-0.5	-0.5
Dec Qtr	1.1	1.1	1.9	2.4	1.2	1.3	6.5	7.2	3.0	3.6
<b>2007</b>										
Mar Qtr	2.3	2.2	-2.1	-1.5	1.6	1.6	2.2	0.3	1.8	1.1
Jun Qtr	-3.3	-3.2	0.7	-0.5	-2.7	-2.8	-2.4	-3.3	-2.6	-3.0
Sep Qtr	-0.1	0.1	1.0	0.4	—	0.1	5.9	6.3	2.1	2.6
Dec Qtr	-1.0	-0.9	3.4	3.6	-0.3	-0.2	-5.5	-5.1	-2.2	-2.2
TREND										
<b>2006</b>										
Sep Qtr	1.7	1.6	3.0	3.2	1.9	1.8	3.2	3.9	2.4	2.7
Dec Qtr	1.3	1.2	1.3	1.7	1.3	1.2	2.4	2.2	1.7	1.6
<b>2007</b>										
Mar Qtr	0.1	0.2	-0.6	-0.6	—	—	2.3	1.4	0.8	0.6
Jun Qtr	-0.8	-0.7	0.2	-0.2	-0.6	-0.6	1.2	0.5	—	-0.2
Sep Qtr	-1.2	-1.1	1.3	0.7	-0.8	-0.8	—	-0.2	-0.5	-0.5
Dec Qtr	-1.2	-1.0	1.8	1.4	-0.7	-0.6	-0.4	-0.2	-0.6	-0.4

— nil or rounded to zero (including null cells)

(a) Chain volume measures, reference year 2005-06. See paragraphs 27-30 of the Explanatory Notes.

VALUE OF BUILDING WORK DONE, Current prices

Period	NEW RESIDENTIAL BUILDING		ALTERATIONS AND ADDITIONS		RESIDENTIAL BUILDING		NON-RESIDENTIAL BUILDING		TOTAL BUILDING	
	Private	Total	Private	Total	Private	Total	Private	Total	Private	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>ORIGINAL</b>										
<b>2004-05</b>	32 537.6	33 192.2	5 808.4	5 991.7	38 346.0	39 183.9	15 848.5	20 002.9	54 194.5	59 186.8
<b>2005-06</b>	32 176.5	32 894.0	5 758.6	5 953.3	37 935.1	38 847.3	18 602.7	23 623.2	56 537.8	62 470.5
<b>2006-07</b>	33 677.4	34 342.6	6 117.9	6 318.2	39 795.2	40 660.8	21 056.5	27 189.5	60 851.7	67 850.3
<b>2006</b>										
Sep Qtr	8 487.1	8 653.2	1 559.2	1 600.6	10 046.3	10 253.8	5 130.9	6 638.7	15 177.2	16 892.5
Dec Qtr	8 551.3	8 724.8	1 666.2	1 714.5	10 217.5	10 439.3	5 544.7	7 220.8	15 762.2	17 660.1
<b>2007</b>										
Mar Qtr	8 084.4	8 233.1	1 350.7	1 411.4	9 435.1	9 644.6	4 967.7	6 374.9	14 402.8	16 019.5
Jun Qtr	8 554.5	8 731.5	1 541.8	1 591.7	10 096.3	10 323.1	5 413.1	6 955.1	15 509.5	17 278.2
Sep Qtr	8 838.8	9 040.1	1 632.8	1 665.1	10 471.6	10 705.1	6 162.7	7 839.2	16 634.2	18 544.3
Dec Qtr	8 776.4	8 999.7	1 794.7	1 831.4	10 571.1	10 831.1	5 872.9	7 495.4	16 444.1	18 326.5
<b>SEASONALLY ADJUSTED</b>										
<b>2006</b>										
Sep Qtr	8 223.7	8 384.0	1 506.7	1 550.4	9 730.3	9 934.4	4 894.6	6 362.5	14 624.9	16 296.8
Dec Qtr	8 372.3	8 534.9	1 540.0	1 592.6	9 912.2	10 127.5	5 287.6	6 923.1	15 199.9	17 050.7
<b>2007</b>										
Mar Qtr	8 647.8	8 813.2	1 522.3	1 584.0	10 170.0	10 397.2	5 481.6	7 035.6	15 651.7	17 432.8
Jun Qtr	8 463.9	8 640.8	1 548.6	1 592.0	10 012.5	10 232.8	5 441.5	6 922.0	15 454.0	17 154.7
Sep Qtr	8 559.8	8 755.1	1 579.4	1 613.5	10 139.2	10 368.6	5 852.8	7 482.6	15 992.0	17 851.2
Dec Qtr	8 592.5	8 801.3	1 654.3	1 693.9	10 246.7	10 495.3	5 615.0	7 199.3	15 861.7	17 694.6
<b>TREND</b>										
<b>2006</b>										
Sep Qtr	8 243.9	8 410.4	1 502.3	1 548.7	9 746.2	9 959.1	5 030.1	6 550.5	14 776.4	16 509.6
Dec Qtr	8 422.8	8 584.7	1 529.8	1 582.8	9 952.7	10 167.5	5 224.4	6 786.0	15 177.0	16 953.5
<b>2007</b>										
Mar Qtr	8 516.3	8 682.3	1 532.4	1 585.9	10 048.7	10 268.2	5 424.4	6 985.4	15 473.2	17 253.6
Jun Qtr	8 548.7	8 727.6	1 552.4	1 599.2	10 101.1	10 326.7	5 578.1	7 132.8	15 679.2	17 459.5
Sep Qtr	8 555.4	8 748.8	1 589.7	1 629.0	10 145.1	10 377.8	5 667.8	7 235.7	15 812.9	17 613.5
Dec Qtr	8 559.7	8 766.8	1 637.1	1 671.4	10 196.8	10 438.2	5 727.2	7 325.6	15 924.0	17 763.8

VALUE OF BUILDING WORK DONE, Current Prices—Change from previous period
 

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Period	NEW RESIDENTIAL BUILDING		ALTERATIONS AND ADDITIONS		RESIDENTIAL BUILDING		NON-RESIDENTIAL BUILDING		TOTAL BUILDING	
	Private	Total	Private	Total	Private	Total	Private	Total	Private	Total
	%	%	%	%	%	%	%	%	%	%
ORIGINAL										
<b>2004-05</b>	6.2	6.5	5.1	5.3	6.0	6.3	16.1	15.0	8.8	9.1
<b>2005-06</b>	-1.1	-0.9	-0.9	-0.6	-1.1	-0.9	17.4	18.1	4.3	5.5
<b>2006-07</b>	4.7	4.4	6.2	6.1	4.9	4.7	13.2	15.1	7.6	8.6
<b>2006</b>										
Sep Qtr	3.2	3.0	6.0	5.4	3.6	3.3	4.4	3.5	3.9	3.4
Dec Qtr	0.8	0.8	6.9	7.1	1.7	1.8	8.1	8.8	3.9	4.5
<b>2007</b>										
Mar Qtr	-5.5	-5.6	-18.9	-17.7	-7.7	-7.6	-10.4	-11.7	-8.6	-9.3
Jun Qtr	5.8	6.1	14.1	12.8	7.0	7.0	9.0	9.1	7.7	7.9
Sep Qtr	3.3	3.5	5.9	4.6	3.7	3.7	13.8	12.7	7.3	7.3
Dec Qtr	-0.7	-0.4	9.9	10.0	1.0	1.2	-4.7	-4.4	-1.1	-1.2
SEASONALLY ADJUSTED										
<b>2006</b>										
Sep Qtr	1.1	0.9	1.9	2.0	1.2	1.0	-0.8	-0.1	0.5	0.6
Dec Qtr	1.8	1.8	2.2	2.7	1.9	1.9	8.0	8.8	3.9	4.6
<b>2007</b>										
Mar Qtr	3.3	3.3	-1.1	-0.5	2.6	2.7	3.7	1.6	3.0	2.2
Jun Qtr	-2.1	-2.0	1.7	0.5	-1.5	-1.6	-0.7	-1.6	-1.3	-1.6
Sep Qtr	1.1	1.3	2.0	1.3	1.3	1.3	7.6	8.1	3.5	4.1
Dec Qtr	0.4	0.5	4.7	5.0	1.1	1.2	-4.1	-3.8	-0.8	-0.9
TREND										
<b>2006</b>										
Sep Qtr	2.7	2.5	3.4	3.6	2.8	2.7	4.5	5.3	3.4	3.7
Dec Qtr	2.2	2.1	1.8	2.2	2.1	2.1	3.9	3.6	2.7	2.7
<b>2007</b>										
Mar Qtr	1.1	1.1	0.2	0.2	1.0	1.0	3.8	2.9	2.0	1.8
Jun Qtr	0.4	0.5	1.3	0.8	0.5	0.6	2.8	2.1	1.3	1.2
Sep Qtr	0.1	0.2	2.4	1.9	0.4	0.5	1.6	1.4	0.9	0.9
Dec Qtr	0.1	0.2	3.0	2.6	0.5	0.6	1.0	1.2	0.7	0.9

## CONSTRUCTION WORK DONE, States and territories—Chain volume measures(a): Original

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
<i>Period</i>	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
.....									
BUILDING WORK DONE									
<b>2004-05</b>	18 668.1	16 637.5	14 391.8	3 621.6	6 442.4	918.4	581.1	1 061.1	<b>62 427.2</b>
<b>2005-06</b>	17 434.4	16 302.0	15 059.8	3 525.8	7 008.1	959.1	658.8	1 522.5	<b>62 470.5</b>
<b>2006-07</b>	16 850.0	16 930.0	16 377.2	3 547.4	7 894.4	931.0	679.0	1 842.4	<b>65 051.5</b>
<b>2006</b>									
Sep Qtr	4 104.6	4 494.7	4 149.2	939.1	1 941.5	222.7	180.3	435.0	<b>16 467.0</b>
Dec Qtr	4 390.5	4 408.6	4 407.6	897.1	1 951.9	236.3	176.1	577.3	<b>17 045.4</b>
<b>2007</b>									
Mar Qtr	4 247.5	3 755.9	3 715.7	857.7	1 900.7	221.8	173.4	413.4	<b>15 286.1</b>
Jun Qtr	4 107.3	4 270.8	4 104.8	853.5	2 100.3	250.3	149.2	416.7	<b>16 252.9</b>
Sep Qtr	4 348.1	4 748.6	4 113.0	917.1	2 212.9	244.3	181.8	430.2	<b>17 195.9</b>
Dec Qtr	4 190.3	4 591.5	4 082.8	942.5	2 101.7	251.5	179.2	429.8	<b>16 769.3</b>
.....									
ENGINEERING WORK DONE									
<b>2004-05</b>	9 824.9	6 197.6	7 544.2	2 077.7	6 551.5	652.2	1 809.8	259.3	<b>34 938.3</b>
<b>2005-06</b>	10 523.6	7 406.0	9 678.2	1 827.9	11 490.3	854.1	1 876.1	269.6	<b>43 925.9</b>
<b>2006-07</b>	9 795.7	6 633.5	11 664.4	2 300.4	14 564.4	779.4	1 535.4	265.3	<b>47 538.5</b>
<b>2006</b>									
Sep Qtr	2 204.6	1 610.3	2 690.2	483.7	2 982.6	124.7	475.9	64.0	<b>10 636.1</b>
Dec Qtr	2 326.3	1 701.0	2 790.9	602.1	3 929.3	165.0	413.8	80.5	<b>12 008.8</b>
<b>2007</b>									
Mar Qtr	2 465.8	1 572.9	2 836.6	577.0	3 635.3	238.4	351.3	59.7	<b>11 737.1</b>
Jun Qtr	2 799.0	1 749.2	3 346.7	637.6	4 017.1	251.3	294.4	61.1	<b>13 156.4</b>
Sep Qtr	2 046.1	1 506.7	3 210.1	494.1	4 236.4	140.7	269.4	87.4	<b>11 990.8</b>
Dec Qtr	2 505.8	1 611.2	3 507.9	531.0	4 361.3	176.6	173.8	75.4	<b>12 943.0</b>
.....									
CONSTRUCTION WORK DONE									
<b>2004-05</b>	28 495.1	22 832.8	21 928.5	5 692.5	12 863.3	1 567.1	2 382.3	1 320.9	<b>97 375.2</b>
<b>2005-06</b>	27 958.0	23 708.0	24 738.0	5 353.7	18 498.4	1 813.2	2 534.9	1 792.2	<b>106 396.4</b>
<b>2006-07</b>	26 645.7	23 563.4	28 041.6	5 847.8	22 458.8	1 710.4	2 214.5	2 107.7	<b>112 589.9</b>
<b>2006</b>									
Sep Qtr	6 309.2	6 105.0	6 839.5	1 422.8	4 924.1	347.4	656.2	499.0	<b>27 103.1</b>
Dec Qtr	6 716.8	6 109.6	7 198.4	1 499.3	5 881.2	401.3	589.9	657.8	<b>29 054.2</b>
<b>2007</b>									
Mar Qtr	6 713.4	5 328.8	6 552.3	1 434.7	5 536.1	460.2	524.7	473.1	<b>27 023.3</b>
Jun Qtr	6 906.3	6 020.1	7 451.5	1 491.0	6 117.4	501.6	443.6	477.8	<b>29 409.3</b>
Sep Qtr	6 394.1	6 255.2	7 323.0	1 411.2	6 449.3	385.0	451.2	517.6	<b>29 186.7</b>
Dec Qtr	6 696.1	6 202.7	7 590.7	1 473.5	6 462.9	428.2	353.0	505.1	<b>29 712.3</b>

(a) Chain volume measures, reference year 2005-06. See paragraphs 27-30 of the Explanatory Notes.

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	%	%	%	%	%	%	%	%	%
<b>BUILDING WORK DONE</b>									
<b>2004-05</b>	-5.2	0.7	5.8	11.4	5.9	10.9	17.1	-2.1	<b>1.1</b>
<b>2005-06</b>	-6.6	-2.0	4.6	-2.6	8.8	4.4	13.4	43.5	<b>0.1</b>
<b>2006-07</b>	-3.4	3.9	8.7	0.6	12.6	-2.9	3.1	21.0	<b>4.1</b>
<b>2006</b>									
Sep Qtr	-5.2	8.5	5.7	3.6	3.3	-6.1	-4.1	-9.5	<b>2.4</b>
Dec Qtr	7.0	-1.9	6.2	-4.5	0.5	6.1	-2.3	32.7	<b>3.5</b>
<b>2007</b>									
Mar Qtr	-3.3	-14.8	-15.7	-4.4	-2.6	-6.1	-1.5	-28.4	<b>-10.3</b>
Jun Qtr	-3.3	13.7	10.5	-0.5	10.5	12.8	-13.9	0.8	<b>6.3</b>
Sep Qtr	5.9	11.2	0.2	7.5	5.4	-2.4	21.8	3.2	<b>5.8</b>
Dec Qtr	-3.6	-3.3	-0.7	2.8	-5.0	3.0	-1.5	-0.1	<b>-2.5</b>
<b>ENGINEERING WORK DONE</b>									
<b>2004-05</b>	12.6	13.9	20.9	5.7	19.9	16.0	0.6	-2.5	<b>14.6</b>
<b>2005-06</b>	7.1	19.5	28.3	-12.0	75.4	31.0	3.7	4.0	<b>25.7</b>
<b>2006-07</b>	-6.9	-10.4	20.5	25.8	26.8	-8.8	-18.2	-1.6	<b>8.2</b>
<b>2006</b>									
Sep Qtr	-17.8	-13.7	-0.2	-0.5	-23.4	-53.4	18.3	-11.5	<b>-13.9</b>
Dec Qtr	5.5	5.6	3.7	24.5	31.7	32.3	-13.0	25.8	<b>12.9</b>
<b>2007</b>									
Mar Qtr	6.0	-7.5	1.6	-4.2	-7.5	44.5	-15.1	-25.8	<b>-2.3</b>
Jun Qtr	13.5	11.2	18.0	10.5	10.5	5.4	-16.2	2.3	<b>12.1</b>
Sep Qtr	-26.9	-13.9	-4.1	-22.5	5.5	-44.0	-8.5	43.0	<b>-8.9</b>
Dec Qtr	22.5	6.9	9.3	7.5	2.9	25.5	-35.5	-13.8	<b>7.9</b>
<b>CONSTRUCTION WORK DONE</b>									
<b>2004-05</b>	0.4	4.0	10.9	9.3	13.0	13.4	3.9	-2.1	<b>5.6</b>
<b>2005-06</b>	-1.9	3.8	12.8	-6.0	43.8	15.7	6.4	35.7	<b>9.3</b>
<b>2006-07</b>	-4.7	-0.6	13.4	9.2	21.4	-5.7	-12.6	17.6	<b>5.8</b>
<b>2006</b>									
Sep Qtr	-10.0	1.6	3.3	2.1	-15.1	-31.2	11.5	-9.7	<b>-4.7</b>
Dec Qtr	6.5	0.1	5.2	5.4	19.4	15.5	-10.1	31.8	<b>7.2</b>
<b>2007</b>									
Mar Qtr	-0.1	-12.8	-9.0	-4.3	-5.9	14.7	-11.1	-28.1	<b>-7.0</b>
Jun Qtr	2.9	13.0	13.7	3.9	10.5	9.0	-15.5	1.0	<b>8.8</b>
Sep Qtr	-7.4	3.9	-1.7	-5.4	5.4	-23.2	1.7	8.3	<b>-0.8</b>
Dec Qtr	4.7	-0.8	3.7	4.4	0.2	11.2	-21.8	-2.4	<b>1.8</b>

(a) Chain volume measures, reference year 2005-06. See paragraphs 27-30 of the Explanatory Notes.

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
<i>Period</i>	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BUILDING WORK DONE									
<b>2004-05</b>	18 013.3	16 313.8	13 389.2	3 444.6	5 664.5	865.5	519.0	976.8	<b>59 186.8</b>
<b>2005-06</b>	17 434.4	16 302.0	15 059.8	3 525.8	7 008.1	959.1	658.8	1 522.5	<b>62 470.5</b>
<b>2006-07</b>	17 175.2	17 222.0	17 326.8	3 650.8	8 818.3	978.6	749.2	1 929.6	<b>67 850.3</b>
<b>2006</b>									
Sep Qtr	4 168.0	4 497.3	4 299.9	957.0	2 101.2	229.3	191.0	448.8	<b>16 892.5</b>
Dec Qtr	4 471.5	4 441.5	4 623.8	919.0	2 163.8	246.6	192.1	601.9	<b>17 660.1</b>
<b>2007</b>									
Mar Qtr	4 332.5	3 839.6	3 954.1	885.1	2 144.3	234.2	194.5	435.2	<b>16 019.5</b>
Jun Qtr	4 203.2	4 443.5	4 449.1	889.6	2 409.0	268.5	171.6	443.7	<b>17 278.2</b>
Sep Qtr	4 485.2	5 044.8	4 519.4	969.8	2 584.1	266.2	213.1	461.7	<b>18 544.3</b>
Dec Qtr	4 357.0	4 955.7	4 563.1	1 003.0	2 492.6	275.6	213.7	465.9	<b>18 326.5</b>
ENGINEERING WORK DONE									
<b>2004-05</b>	9 340.4	5 911.3	7 087.5	1 965.1	6 184.4	596.2	1 731.1	247.3	<b>33 063.3</b>
<b>2005-06</b>	10 523.6	7 406.0	9 678.2	1 827.9	11 490.2	854.1	1 876.1	269.6	<b>43 925.8</b>
<b>2006-07</b>	10 825.1	7 216.5	12 946.8	2 558.3	16 227.1	885.9	1 698.3	290.9	<b>52 648.9</b>
<b>2006</b>									
Sep Qtr	2 371.8	1 713.5	2 925.6	525.9	3 250.1	138.4	517.7	68.8	<b>11 511.9</b>
Dec Qtr	2 527.5	1 834.0	3 076.5	659.1	4 350.8	185.2	455.6	86.6	<b>13 175.3</b>
<b>2007</b>									
Mar Qtr	2 756.7	1 725.2	3 173.0	655.2	4 084.8	274.0	394.6	67.4	<b>13 131.0</b>
Jun Qtr	3 169.0	1 943.8	3 771.6	718.1	4 541.4	288.3	330.4	68.1	<b>14 830.7</b>
Sep Qtr	2 326.7	1 695.1	3 653.9	560.7	4 849.8	162.5	305.7	98.9	<b>13 653.1</b>
Dec Qtr	2 863.4	1 822.5	4 023.3	604.1	4 945.3	201.7	197.9	84.8	<b>14 743.0</b>
CONSTRUCTION WORK DONE									
<b>2004-05</b>	27 353.8	22 225.2	20 476.7	5 409.7	11 848.9	1 461.7	2 250.1	1 224.1	<b>92 250.1</b>
<b>2005-06</b>	27 958.0	23 708.0	24 738.0	5 353.7	18 498.4	1 813.2	2 534.9	1 792.2	<b>106 396.4</b>
<b>2006-07</b>	28 000.3	24 438.5	30 273.5	6 209.1	25 045.4	1 864.5	2 447.5	2 220.5	<b>120 499.2</b>
<b>2006</b>									
Sep Qtr	6 539.8	6 210.9	7 225.5	1 482.8	5 351.3	367.7	708.7	517.6	<b>28 404.4</b>
Dec Qtr	6 999.0	6 275.4	7 700.2	1 578.1	6 514.6	431.7	647.7	688.5	<b>30 835.4</b>
<b>2007</b>									
Mar Qtr	7 089.2	5 564.8	7 127.1	1 540.4	6 229.1	508.2	589.1	502.6	<b>29 150.5</b>
Jun Qtr	7 372.2	6 387.4	8 220.7	1 607.7	6 950.4	556.8	502.0	511.8	<b>32 109.0</b>
Sep Qtr	6 811.9	6 739.9	8 173.3	1 530.5	7 433.9	428.7	518.8	560.5	<b>32 197.5</b>
Dec Qtr	7 220.4	6 778.2	8 586.4	1 607.1	7 437.9	477.3	411.6	550.7	<b>33 069.5</b>



<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<b><i>Aust.</i></b>
.....									
<b>BUILDING WORK DONE</b>									
<b>2004-05</b>	2.5	6.6	16.0	16.8	17.5	20.9	29.4	3.5	<b>9.1</b>
<b>2005-06</b>	-3.2	-0.1	12.5	2.4	23.7	10.8	26.9	55.9	<b>5.5</b>
<b>2006-07</b>	-1.5	5.6	15.1	3.5	25.8	2.0	13.7	26.7	<b>8.6</b>
<b>2006</b>									
Sep Qtr	-4.4	8.6	7.0	4.2	6.8	-4.9	-1.6	-8.8	<b>3.4</b>
Dec Qtr	7.3	-1.2	7.5	-4.0	3.0	7.5	0.6	34.1	<b>4.5</b>
<b>2007</b>									
Mar Qtr	-3.1	-13.5	-14.5	-3.7	-0.9	-5.0	1.2	-27.7	<b>-9.3</b>
Jun Qtr	-3.0	15.7	12.5	0.5	12.3	14.7	-11.8	2.0	<b>7.9</b>
Sep Qtr	6.7	13.5	1.6	9.0	7.3	-0.8	24.2	4.0	<b>7.3</b>
Dec Qtr	-2.9	-1.8	1.0	3.4	-3.5	3.5	0.3	0.9	<b>-1.2</b>
.....									
<b>ENGINEERING WORK DONE</b>									
<b>2004-05</b>	18.4	18.6	27.9	11.4	26.7	22.8	6.9	1.0	<b>20.6</b>
<b>2005-06</b>	12.7	25.3	36.6	-7.0	85.8	43.3	8.4	9.0	<b>32.9</b>
<b>2006-07</b>	2.9	-2.6	33.8	40.0	41.2	3.7	-9.5	7.9	<b>19.9</b>
<b>2006</b>									
Sep Qtr	-14.1	-10.8	4.8	5.1	-19.4	-50.6	23.7	-7.8	<b>-9.9</b>
Dec Qtr	6.6	7.0	5.2	25.3	33.9	33.7	-12.0	25.9	<b>14.4</b>
<b>2007</b>									
Mar Qtr	9.1	-5.9	3.1	-0.6	-6.1	48.0	-13.4	-22.2	<b>-0.3</b>
Jun Qtr	15.0	12.7	18.9	9.6	11.2	5.2	-16.3	1.0	<b>12.9</b>
Sep Qtr	-26.6	-12.8	-3.1	-21.9	6.8	-43.6	-7.5	45.2	<b>-7.9</b>
Dec Qtr	23.1	7.5	10.1	7.7	2.0	24.2	-35.3	-14.2	<b>8.0</b>
.....									
<b>CONSTRUCTION WORK DONE</b>									
<b>2004-05</b>	7.4	9.5	19.9	14.8	22.1	21.7	11.3	3.0	<b>13.0</b>
<b>2005-06</b>	2.2	6.7	20.8	-1.0	56.1	24.0	12.7	46.4	<b>15.3</b>
<b>2006-07</b>	0.2	3.1	22.4	16.0	35.4	2.8	-3.4	23.9	<b>13.3</b>
<b>2006</b>									
Sep Qtr	-8.2	2.4	6.1	4.5	-10.8	-29.4	15.6	-8.7	<b>-2.4</b>
Dec Qtr	7.0	1.0	6.6	6.4	21.7	17.4	-8.6	33.0	<b>8.6</b>
<b>2007</b>									
Mar Qtr	1.3	-11.3	-7.4	-2.4	-4.4	17.7	-9.0	-27.0	<b>-5.5</b>
Jun Qtr	4.0	14.8	15.3	4.4	11.6	9.6	-14.8	1.8	<b>10.1</b>
Sep Qtr	-7.6	5.5	-0.6	-4.8	7.0	-23.0	3.3	9.5	<b>0.3</b>
Dec Qtr	6.0	0.6	5.1	5.0	0.1	11.3	-20.7	-1.8	<b>2.7</b>

## CONSTRUCTION WORK DONE, States and territories—Chain volume measures(a)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
<i>Period</i>	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL								
<b>2004-05</b>	28 495.1	22 832.8	21 928.5	5 692.5	12 863.3	1 567.1	2 382.3	1 320.9
<b>2005-06</b>	27 958.0	23 708.0	24 738.0	5 353.7	18 498.4	1 813.2	2 534.9	1 792.2
<b>2006-07</b>	26 645.7	23 563.4	28 041.6	5 847.8	22 458.8	1 710.4	2 214.5	2 107.7
<b>2006</b>								
Sep Qtr	6 309.2	6 105.0	6 839.5	1 422.8	4 924.1	347.4	656.2	499.0
Dec Qtr	6 716.8	6 109.6	7 198.4	1 499.3	5 881.2	401.3	589.9	657.8
<b>2007</b>								
Mar Qtr	6 713.4	5 328.8	6 552.3	1 434.7	5 536.1	460.2	524.7	473.1
Jun Qtr	6 906.3	6 020.1	7 451.5	1 491.0	6 117.4	501.6	443.6	477.8
Sep Qtr	6 394.1	6 255.2	7 323.0	1 411.2	6 449.3	385.0	451.2	517.6
Dec Qtr	6 696.1	6 202.7	7 590.7	1 473.5	6 462.9	428.2	353.0	505.1
SEASONALLY ADJUSTED								
<b>2006</b>								
Sep Qtr	6 336.8	5 957.9	6 692.9	1 441.5	4 943.5	388.3	620.8	496.0
Dec Qtr	6 640.1	5 913.5	6 890.5	1 444.3	5 643.5	415.5	587.2	653.3
<b>2007</b>								
Mar Qtr	7 101.2	5 800.7	7 165.5	1 518.0	5 771.2	454.1	559.2	499.4
Jun Qtr	6 567.5	5 891.4	7 292.6	1 444.0	6 100.6	452.6	447.3	459.1
Sep Qtr	6 436.7	6 068.2	7 185.0	1 432.7	6 485.3	432.5	428.7	518.5
Dec Qtr	6 628.6	5 996.5	7 302.0	1 420.5	6 184.4	442.0	350.2	500.2
TREND								
<b>2006</b>								
Sep Qtr	6 542.8	5 893.8	6 705.4	1 422.7	5 380.1	418.4	608.8	561.4
Dec Qtr	6 691.5	5 893.2	6 931.1	1 467.4	5 524.3	418.5	586.6	560.9
<b>2007</b>								
Mar Qtr	6 777.1	5 869.2	7 126.6	1 480.3	5 799.8	437.9	540.9	531.6
Jun Qtr	6 702.5	5 913.4	7 224.7	1 462.0	6 127.4	447.6	474.7	498.5
Sep Qtr	6 562.2	5 986.3	7 262.4	1 437.5	6 282.0	443.3	412.6	487.9
Dec Qtr	6 471.7	6 048.2	7 274.3	1 412.8	6 367.2	437.0	359.4	504.1

(a) Reference year for Chain Volume Measures is 2005-06. See paragraphs 27-30 of the Explanatory Notes.

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>
	%	%	%	%	%	%	%	%
ORIGINAL								
<b>2004-05</b>	0.4	4.0	10.9	9.3	13.0	13.4	3.9	-2.1
<b>2005-06</b>	-1.9	3.8	12.8	-6.0	43.8	15.7	6.4	35.7
<b>2006-07</b>	-4.7	-0.6	13.4	9.2	21.4	-5.7	-12.6	17.6
<b>2006</b>								
Sep Qtr	-10.0	1.6	3.3	2.1	-15.1	-31.2	11.5	-9.7
Dec Qtr	6.5	0.1	5.2	5.4	19.4	15.5	-10.1	31.8
<b>2007</b>								
Mar Qtr	-0.1	-12.8	-9.0	-4.3	-5.9	14.7	-11.1	-28.1
Jun Qtr	2.9	13.0	13.7	3.9	10.5	9.0	-15.5	1.0
Sep Qtr	-7.4	3.9	-1.7	-5.4	5.4	-23.2	1.7	8.3
Dec Qtr	4.7	-0.8	3.7	4.4	0.2	11.2	-21.8	-2.4
SEASONALLY ADJUSTED								
<b>2006</b>								
Sep Qtr	-5.3	1.3	3.0	6.2	-14.3	-14.5	5.4	-7.1
Dec Qtr	4.8	-0.7	3.0	0.2	14.2	7.0	-5.4	31.7
<b>2007</b>								
Mar Qtr	6.9	-1.9	4.0	5.1	2.3	9.3	-4.8	-23.6
Jun Qtr	-7.5	1.6	1.8	-4.9	5.7	-0.3	-20.0	-8.1
Sep Qtr	-2.0	3.0	-1.5	-0.8	6.3	-4.4	-4.2	12.9
Dec Qtr	3.0	-1.2	1.6	-0.9	-4.6	2.2	-18.3	-3.5
TREND								
<b>2006</b>								
Sep Qtr	—	0.5	3.4	4.1	3.6	-4.8	-1.6	7.9
Dec Qtr	2.3	—	3.4	3.1	2.7	—	-3.6	-0.1
<b>2007</b>								
Mar Qtr	1.3	-0.4	2.8	0.9	5.0	4.6	-7.8	-5.2
Jun Qtr	-1.1	0.8	1.4	-1.2	5.6	2.2	-12.2	-6.2
Sep Qtr	-2.1	1.2	0.5	-1.7	2.5	-1.0	-13.1	-2.1
Dec Qtr	-1.4	1.0	0.2	-1.7	1.4	-1.4	-12.9	3.3

— nil or rounded to zero (including null cells)

(a) Reference year for Chain Volume Measures is 2005-06. See paragraphs 27-30 of the Explanatory Notes.

BUILDING ACTIVITY, WORK IN THE PIPELINE—Current prices: **Original**

<i>Period</i>	<i>New houses</i>	<i>New other residential building</i>	<i>New residential building</i>	<i>Alterations and additions to residential building</i>	<i>Total residential building</i>	<i>Non-residential building</i>	<i>Total building</i>
<i>Period</i>	\$m	\$m	\$m	\$m	\$m	\$m	\$m
WORK YET TO BE DONE AT END OF QUARTER (a)							
<b>2006</b>							
Sep Qtr	7 778.6	6 315.8	14 094.4	1 836.4	15 930.8	12 557.7	28 488.5
Dec Qtr	7 995.2	6 824.5	14 819.7	1 753.0	16 572.7	13 276.6	29 849.3
<b>2007</b>							
Mar Qtr	8 055.2	6 630.8	14 686.0	1 695.0	16 381.0	14 596.7	30 977.7
Jun Qtr	8 247.7	6 768.5	15 016.1	1 880.0	16 896.2	15 273.8	32 170.0
Sep Qtr	8 766.8	7 064.1	15 830.8	2 551.1	18 381.9	15 620.9	34 002.8
Dec Qtr	9 471.3	7 489.3	16 960.6	2 143.2	19 103.8	15 942.3	35 046.1
WORK APPROVED BUT NOT YET COMMENCED AT END OF QUARTER (a)							
<b>2006</b>							
Sep Qtr	2 856.9	2 037.6	4 894.5	851.3	5 745.8	2 017.7	7 763.5
Dec Qtr	3 094.0	2 102.9	5 196.9	943.3	6 140.2	2 142.3	8 282.4
<b>2007</b>							
Mar Qtr	2 565.7	2 159.3	4 725.0	844.9	5 569.9	2 181.1	7 751.0
Jun Qtr	2 797.7	2 386.5	5 184.2	885.5	6 069.7	2 141.4	8 211.1
Sep Qtr	2 913.5	2 188.1	5 101.6	884.8	5 986.4	2 118.7	8 105.1
Dec Qtr	2 932.7	2 424.9	5 357.7	873.9	6 231.6	3 390.1	9 621.7
WORK IN THE PIPELINE AT END OF QUARTER (a)							
<b>2006</b>							
Sep Qtr	10 635.6	8 353.4	18 988.9	2 687.6	21 676.6	14 575.4	36 252.0
Dec Qtr	11 089.3	8 927.4	20 016.6	2 696.3	22 712.9	15 418.8	38 131.7
<b>2007</b>							
Mar Qtr	10 620.9	8 790.1	19 411.0	2 539.9	21 950.9	16 777.8	38 728.7
Jun Qtr	11 045.4	9 155.0	20 200.4	2 765.5	22 965.9	17 415.2	40 381.1
Sep Qtr	11 680.3	9 252.2	20 932.4	3 435.9	24 368.3	17 739.6	42 107.9
Dec Qtr	12 404.0	9 914.2	22 318.3	3 017.1	25 335.4	19 332.4	44 667.8

(a) See Glossary for definitions.

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas., NT &amp; ACT</i>	<i>Aust.</i>
NEW HOUSES							
<b>2006</b>							
Sep Qtr	4 425	2 793	1 657	1 557	2 654	386	<b>13 472</b>
Dec Qtr	4 342	3 048	1 930	1 472	2 567	439	<b>13 798</b>
<b>2007</b>							
Mar Qtr	3 741	2 614	1 446	1 410	1 766	333	<b>11 311</b>
Jun Qtr	4 084	2 323	1 938	1 237	1 983	323	<b>11 888</b>
Sep Qtr	4 446	2 293	1 987	1 203	1 957	336	<b>12 220</b>
Dec Qtr	4 148	2 146	1 646	1 521	2 281	354	<b>12 095</b>
NEW OTHER RESIDENTIAL BUILDING							
<b>2006</b>							
Sep Qtr	6 964	1 024	1 523	1 441	547	214	<b>11 712</b>
Dec Qtr	7 424	754	1 342	1 136	454	223	<b>11 332</b>
<b>2007</b>							
Mar Qtr	7 238	701	1 223	1 410	626	225	<b>11 423</b>
Jun Qtr	7 196	1 039	1 234	925	575	279	<b>11 248</b>
Sep Qtr	6 363	981	1 643	876	582	136	<b>10 582</b>
Dec Qtr	6 601	1 133	1 380	1 009	608	216	<b>10 947</b>
TOTAL DWELLINGS (a)							
<b>2006</b>							
Sep Qtr	11 868	3 880	3 203	3 016	3 208	605	<b>25 778</b>
Dec Qtr	12 068	3 936	3 298	2 631	3 053	670	<b>25 657</b>
<b>2007</b>							
Mar Qtr	11 185	3 460	2 688	2 840	2 434	571	<b>23 178</b>
Jun Qtr	11 543	3 488	3 188	2 185	2 571	612	<b>23 587</b>
Sep Qtr	11 086	3 350	3 644	2 102	2 566	489	<b>23 238</b>
Dec Qtr	10 926	3 335	3 044	2 554	2 913	576	<b>23 349</b>

(a) Includes Conversions etc.

## EXPLANATORY NOTES

### INTRODUCTION

**1** This publication contains preliminary estimates of building and engineering construction work done during the current quarter and revised estimates for the previous two quarters. The estimates of building work done and engineering work done are from the quarterly Building Activity Survey and the quarterly Engineering Construction Survey respectively. Estimates of work done are based upon a response from each survey of approximately 80% of the value of work done during the current quarter. More comprehensive and updated results will be available shortly in *Building Activity, Australia* (cat. no. 8752.0) and *Engineering Construction Activity, Australia* (cat. no. 8762.0).

### SCOPE AND COVERAGE

**2** The scope of the Building Activity Survey is building activity which includes construction of new buildings and alterations and additions to existing buildings.

**3** The building statistics were compiled on the basis of returns collected from builders and other individuals and organisations engaged in building activity. From the September quarter 2005, the quarterly survey consists of:

- a sample survey of private sector building jobs involving residential building jobs valued at \$50,000 or more and non-residential building jobs valued at \$250,000 or more
- a complete enumeration of all such public sector building jobs
- statistical estimates based on building approvals for residential building jobs valued at \$10,000 or more but less than \$50,000, and non-residential building jobs valued at \$50,000 or more but less than \$250,000.

**4** Building jobs included in each quarter in the Building Activity Survey comprise those jobs selected in previous quarters which have not been completed (or commenced) by the end of the previous quarter and those jobs newly selected in the current quarter. The population list from which jobs are selected for inclusion comprises all approved building jobs which were notified to the ABS (refer paragraph 3) up to but not including the last month of the reference quarter (i.e. up to the end of August in respect of the September quarter survey). This introduces a lag to the statistics in respect of those jobs notified and commenced in the last month of the reference quarter (i.e. for the month of September in respect of the September quarter survey). For example, jobs which were notified as approved in the month of June and which actually commenced in that month are shown as commencements in the September quarter. Similarly, building jobs which were notified in the month of September and which actually commenced in that month are shown as commencements in the December quarter.

**5** The scope of the Engineering Construction Survey is the value of all engineering construction work undertaken in Australia. Where projects include elements of both building and engineering construction every effort is taken to exclude the building component from the engineering construction statistics.

### STATISTICAL UNIT

**6** In the Engineering Construction Survey, the statistical unit used to represent businesses, and for which statistics are reported, is the Australian Business Number (ABN) unit, in most cases. The ABN unit is the business unit which has registered for an ABN, and thus appears on the Australian Taxation Office (ATO) administered Australian Business Register. This unit is suitable for Australian Bureau of Statistics statistical needs when the business is simple in structure. For more significant and diverse businesses where the ABN unit is not suitable for Australian Bureau of Statistics statistical needs, the statistical unit used is the Type of Activity Unit (TAU). A TAU is comprised of one or more business entities, sub-entities or branches of a business entity within an enterprise group that can report production and employment data for similar economic activities. When a minimum set of data items is available, a TAU is created which covers all the operations within an industry subdivision – and the TAU is classified to the relevant subdivision of the *Australian and New Zealand Standard Industrial*

## EXPLANATORY NOTES *continued*

### STATISTICAL UNIT *continued*

*Classification(ANZSIC)*. Where a business cannot supply adequate data for each industry, a TAU is formed which contains activity in more than one industry subdivision and the TAU is classified to the predominant ANZSIC subdivision.

**7** Further details about the ABS economic statistical units used in the Engineering Construction Survey, and in other ABS economic surveys (both sample surveys and censuses), can be found in Chapter 2 of the *Standard Economic Sector Classifications of Australia (SESCA) 2002* (cat. no. 1218.0).

### RELATIONSHIP WITH NATIONAL ACCOUNTS

**8** Data on the value of work done on the construction of new residential buildings, alterations and additions to residential buildings, private sector non-residential buildings and the value of engineering construction activity are the major sources of data which are used to compile the national accounts estimates for private gross fixed capital formation on dwellings, and other buildings and structures. However, there are some adjustments to the survey data which are made in the process of compiling these national accounts series. Allowances are made for the value of activity which is out of scope of the Building Activity Survey and the Engineering Construction Survey. Such activity includes work done on projects which fall below the size cut-offs used for the Building Activity survey and also the value of building work done which is undertaken without obtaining a building permit, either because such a permit is not required or because the requisite permit is not obtained. The national accounts estimates also make allowances for purchases (less sales) of buildings and other structures from (to) the public sector.

### TREATMENT OF THE GST

**9** Statistics on the value of work (current prices) show residential building work done on a GST inclusive basis and non-residential work and engineering construction work done on a GST exclusive basis. This approach is consistent with that adopted in the Australian National Accounts which is based on the conceptual framework described in the 1993 edition of the international statistical standard System of National Accounts (SNA93).

**10** SNA93 requires value added taxes (VAT), such as the GST, to be recorded on a net basis where:

- (a) both outputs of goods and services and imports are valued excluding invoiced VAT
- (b) purchases of goods and services are recorded including non-deductible VAT.

**11** Under the net system, VAT is recorded as being payable by purchasers, not sellers, and then only by those purchasers who are not able to deduct it. Almost all VAT is therefore recorded in the SNA93 as being paid on final uses – mainly on household consumption. Small amounts of VAT, may however, be paid by businesses in respect of certain kinds of purchases on which VAT may not be deductible.

**12** The ABS records value of work done inclusive of GST in respect of residential construction and exclusive of GST in respect of non-residential construction and engineering construction. Purchasers of residential structures are unable to deduct GST from the purchase price. For non-residential structures and engineering construction, the reverse is true in most circumstances.

**13** Total construction work is derived by adding total building work and total engineering construction work. To derive total building activity it is appropriate to add the residential and non-residential components. Valuation of the components of the total is consistent, since, for both components, the value of work done is recorded inclusive of non-deductible GST paid by the purchaser. As such, total building activity and total construction includes the non-deductible GST payable on residential building.

## EXPLANATORY NOTES *continued*

### TREATMENT OF THE GST

*continued*

**14** As estimates for engineering work are provided on a GST exclusive basis, and the majority of construction materials used were exempt from Wholesale Sales Tax, the introduction of the GST had little direct effect on the estimates of engineering construction.

### CLASSIFICATION

**15** *Ownership.* The ownership of a building is classified as either *private sector* or *public sector*, according to the sector of the intended owner of the completed building as evident at the time of approval. Engineering projects are classified as either *private sector* or *public sector* according to the expected ownership of the project at the time of completion.

**16** Building jobs are classified both by the TYPE OF BUILDING (e.g. 'residential', 'non-residential') and by the TYPE OF WORK INVOLVED (e.g. 'new' and 'alterations and additions'). These classifications are used in conjunction with each other and are defined in the Glossary.

### RELIABILITY OF THE ESTIMATES

**17** The estimates of engineering activity are based on a sample survey as are the estimates of private sector building activity. A complete enumeration of public sector building activity is done. Because data are not collected for all engineering jobs nor for all building jobs, the published estimates are subject to sampling variability. Relative standard errors give a measure of this variability and therefore indicate the degree of confidence that can be attached to the data.

**18** Relative standard errors for the value of work done in this quarter are given below. There is 67% confidence that the actual value would be within one standard error of the sample estimate, and 95% confidence that it lies within two standard errors.

### AUSTRALIA

	%
New private residential building	1.1
Total private residential building	0.9
Private non-residential building	0.8
Total private building	0.7
Total residential building	0.9
Total non-residential building	0.7
<b>Total building</b>	<b>0.6</b>
Engineering for the private sector	1.3
<b>Total engineering</b>	<b>1.3</b>

### STATES AND TERRITORIES

	<i>Total building</i>	<i>Total engineering</i>
	%	%
NSW	1.1	2.2
Vic.	1.2	3.3
Qld	1.5	3.2
SA	1.5	7.4
WA	1.6	1.7
Tas.	1.7	4.7
NT	1.0	3.1
ACT	2.1	5.9



## EXPLANATORY NOTES *continued*

### SEASONAL ADJUSTMENT

**19** In the seasonally adjusted series, account has been taken of normal seasonal factors, 'trading day' effects arising from the varying numbers of working days in a quarter and the effect of movement in the date of Easter which may, in successive years, affect figures for different quarters.

**20** Since seasonally adjusted statistics reflect both irregular and trend movements, an upward or downward movement in a seasonally adjusted series does not necessarily indicate a change of trend. Particular care should therefore be taken in interpreting individual quarter-to-quarter movements.

**21** The seasonally adjusted estimates in this publication are produced by the concurrent seasonal adjustment method which takes account of the latest available original estimates. The concurrent method improves the estimation of seasonal factors and, therefore, the seasonally adjusted and trend estimates of the current and previous quarters.

**22** A more detailed review of concurrent seasonal factors will be conducted annually, generally prior to the release of data for the December quarter.

**23** The revision properties of the seasonally adjusted and trend estimates have been improved by the use of autoregressive integrated moving average (ARIMA) modelling. ARIMA modelling relies on the characteristics of the series being analysed to project future period data. The ARIMA model is assessed as part of the annual reanalysis. For more information on the details of ARIMA modelling see feature article: *Use of ARIMA modelling to reduce revisions* in the October 2004 issue of *Australian Economic Indicators* (cat. no. 1350.0).

### TREND ESTIMATES

**24** Seasonally adjusted series can be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate.

**25** The trend estimates are derived by applying a 7-term Henderson moving average to the seasonally adjusted series. The 7-term Henderson average (like all Henderson averages) is symmetric but, as the end of a time series is approached, asymmetric forms of the average are applied. Unlike weights of the standard 7-term Henderson moving average, the weights employed here have been tailored to suit the particular characteristics of individual series.

**26** While the smoothing technique described in paragraphs 23 and 24 enables trend estimates to be produced for recent quarters, it does result in revisions to the estimates for the most recent three quarters as additional observations become available. There may also be revisions because of changes in the original data. For further information, see *Information Paper: A Guide to Interpreting Time Series—Monitoring Trends, 2003* (cat. no. 1349.0) or contact the Assistant Director, Time Series Analysis on Canberra (02) 6252 6540 or email <timeseries@abs.gov.au>.

### CHAIN VOLUME MEASURES

**27** Chain volume estimates of the value of work done are presented in original, seasonally adjusted and trend terms.

**28** While current price estimates of value of work done reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes. The direct impact of the GST is a price change, and hence is removed from chain volume estimates. The deflators used to revalue the current price estimates in this publication are derived from the same price data underlying the deflators compiled for the dwellings and new other building components, and the new engineering construction component, of the national accounts aggregate 'Gross fixed capital formation'.

## EXPLANATORY NOTES *continued*

### CHAIN VOLUME MEASURES

*continued*

**29** The chain volume measures of work done appearing in this publication are annually reweighted chain Laspeyres indexes referenced to current price values in a chosen reference year. The reference year is updated annually in the September quarter publication. Each year's data in the value of work done series are based on the prices of the previous year, except for the quarters of the latest incomplete year which are based upon the current reference year. Comparability with previous years is achieved by linking (or chaining) the series together to form a continuous time series. Further information on the nature and concepts of chain volume measures is contained in the *ABS Information Paper: Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0).

**30** The factors used to seasonally adjust the chain volume series are identical to those used to adjust the corresponding current price series.

### ACKNOWLEDGMENT

**31** ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

### RELATED PRODUCTS

**32** All tables in this publication, plus some additional state and territory series are available in electronic form on the ABS web site.

**33** Users may also wish to refer to the following publications:

*Building Activity, Australia*, cat. no. 8752.0

*Building Approvals, Australia*, cat. no. 8731.0

*Dwelling Unit Commencements, Australia, Preliminary*, cat. no. 8750.0

*Engineering Construction Activity, Australia*, cat. no. 8762.0

*House Price Indexes: Eight Capital Cities*, cat. no. 6416.0

*Housing Finance for Owner Occupation, Australia*, cat. no. 5609.0

*Private Sector Construction Industry, Australia, 1996–97*, cat. no. 8772.0

*Producer Price Indexes, Australia*, cat. no. 6427.0.

### ABS DATA AVAILABLE ON

REQUEST

**34** As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

### ABBREVIATIONS

\$m	million dollars
ABN	Australian Business Number
ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
ANZSIC	Australian and New Zealand Standard Industrial Classification
ATO	Australian Taxation Office
Aust.	Australia
GST	goods and services tax
NSW	New South Wales
NT	Northern Territory
qtr	quarter
Qld	Queensland
SA	South Australia
Tas.	Tasmania
TAU	type of activity unit
VAT	value added tax

**EXPLANATORY NOTES** *continued*

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Vic. Victoria  
WA Western Australia

## APPENDIX LIST OF ELECTRONIC TABLES

### ELECTRONIC TABLES

The following tables are available electronically via the ABS web site. Not all series in the table go back to the earliest start date.

#### WORK DONE

	<i>Publication table no.</i>	<i>Electronic table no.</i>	<i>Start date</i>
Construction work done, chain volume measures	1	1	September 1974
Construction work done, chain volume measures, change from previous period	2	n.a.	..
Construction work done, current prices	3	2	March 1957
Construction work done, current prices, change from previous period	4	n.a.	..
Value of building work done, chain volume measures	5	3	September 1974
Value of building work done, chain volume measures, states and territories, original	5	4	September 1974
Value of building work done, chain volume measures, states and territories, seasonally adjusted	5	5	September 1974
Value of building work done, chain volume measures, change from previous period	6	n.a.	..
Value of building work done, current prices, Australia	7	6	March 1957
Value of building work done, current prices, states and territories	7	7	September 1958
Value of building work done, current prices, change from previous period	8	n.a.	..
Construction work done, states and territories, chain volume measures	9	8	September 1974
Construction work done, states and territories, chain volume measures, change from previous period	10	n.a.	..
Construction work done, states and territories, current prices, original	11	9	March 1957
Construction work done, states and territories, current prices, original, change from previous period	12	n.a.	..
Construction work done, states and territories, chain volume measures	13	10	September 1986
Construction work done, states and territories, chain volume measures, change from previous period	14	n.a.	..
Building Activity, work in the pipeline, Australia, current prices, original	15	11	June 2003
Building Activity, work in the pipeline, states and territories, current prices, original	15	12	June 2003
Number of dwellings approved but not yet commenced, states and territories, original	16	13	June 2003

## GLOSSARY

<b>Alterations and additions</b>	Building activity carried out on existing buildings. Includes adding to or diminishing floor area, altering the structural design of a building and affixing rigid components which are integral to the functioning of the building.
<b>Alterations and additions to residential buildings</b>	Alterations and additions carried out on existing residential buildings, which may result in the creation of new dwelling units.
<b>Building</b>	A building is a rigid, fixed and permanent structure which has a roof. Its intended purpose is primarily to house people, plant, machinery, vehicles, goods or livestock. An integral feature of a building's design, to satisfy its intended use, is the provision for regular access by persons.
<b>Construction work done</b>	The sum of building work done and engineering construction work done.
<b>Dwelling unit</b>	A dwelling unit is a self-contained suite of rooms, including cooking and bathing facilities and intended for long-term residential use. Units (whether self-contained or not) within buildings offering institutional care, such as hospitals, or temporary accommodation such as motels, hostels and holiday apartments, are not defined as dwelling units. The value of units of this type is included in non-residential building.
<b>House</b>	A house is a detached building predominantly used for long-term residential purposes and consisting of only one dwelling unit. Thus, detached 'granny flats' and detached dwelling units (such as caretakers' residences) associated with non-residential buildings are defined as houses for the purpose of these statistics.
<b>New</b>	Building activity which will result in the creation of a building which previously did not exist.
<b>Non-residential building</b>	A non-residential building is primarily intended for purposes other than long term residential purposes.
<b>Other residential building</b>	An other residential building is a building other than a house primarily used for long-term residential purposes and which contains (or has attached to it) more than one dwelling unit (e.g. includes blocks of flats, attached townhouses, duplexes, apartment buildings, etc.).
<b>Residential building</b>	A residential building is a building predominantly consisting of one or more dwelling units. Residential buildings can be either <i>houses</i> or <i>other residential buildings</i> .
<b>Value of building and engineering work done during the period</b>	Represents the estimated value of work carried out during the quarter on jobs which have commenced.
<b>Value of building work done</b>	Includes the costs of materials fixed in place, labour, and architects fees. It excludes the value of land and landscaping and non-building components such as fencing, paving, roadworks, tennis courts, outdoor pools and car parks.
<b>Value of engineering work done</b>	The value of engineering work done for the private sector consists of the value of work done on prime contracts, plus speculative contracts, plus work done on own account. The value of engineering work done for the public sector is the work done by the organisation's own workforce and subcontractors. In each case, the value excludes the cost of land and repair and maintenance activity, as well as the value of any transfers of existing assets, the value of installed machinery and equipment not integral to the structure and the expenses for relocation of utility services. However, a contract for the installation of machinery and equipment which is an integral part of a construction project is included.
<b>Work approved but not yet commenced</b>	The anticipated completion value of the project, or if that is not known, the approval value. For residential building, 'work approved but not yet commenced' also provides a measure of the number of dwellings that have been approved, but have not commenced by the end of the reference period.

**GLOSSARY** *continued*

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- Work in the pipeline** Value of building work that has been approved, but as yet, has not been undertaken. Work in the pipeline has two components. Firstly, there is an estimate of the amount of building work still to be done on projects that have already commenced, 'work yet to be done'. The second component is the building work that has been approved, but had not commenced by the end of the reference period, 'work approved but not yet commenced'. Information on 'work in the pipeline' is available from the June quarter 2003.
- Work yet to be done** The difference between the anticipated completion value of the project and the estimated value of work already done up to the end of the reference period for jobs which have commenced.



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