

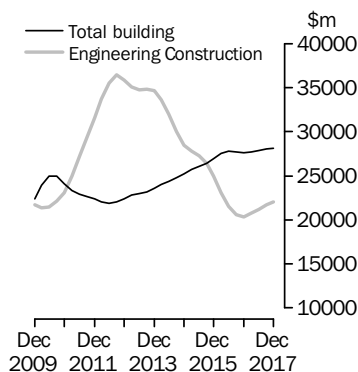
**CONSTRUCTION WORK DONE** AUSTRALIA  
PRELIMINARY

EMBARGO: 11.30AM (CANBERRA TIME) WED 21 FEB 2018

**KEY FIGURES**

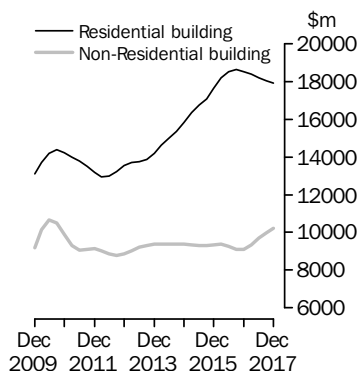
**Value of construction work done**

Chain Volume Measures  
Trend estimates



**Value of building work done**

Chain Volume Measures  
Trend estimates



**INQUIRIES**

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

	Dec qtr 17 \$m	Sep qtr 17 to Dec qtr 17 % change	Dec qtr 16 to Dec qtr 17 % change
<b>TREND ESTIMATES (a)</b>			
<b>Value of work done</b>			
Building	28 150.6	0.5	1.9
Residential	17 910.5	-0.7	-3.3
Non-residential	10 223.3	2.5	12.1
Engineering	22 048.6	1.8	8.3
<b>Total construction</b>	<b>50 224.8</b>	<b>1.1</b>	<b>4.7</b>

**SEASONALLY ADJUSTED ESTIMATES (a)**

<b>Value of work done</b>			
Building	28 124.0	0.2	1.1
Residential	17 802.5	-1.9	-5.2
Non-residential	10 321.5	4.0	14.4
Engineering	22 196.7	-35.4	9.5
<b>Total construction</b>	<b>50 320.7</b>	<b>-19.4</b>	<b>4.6</b>

(a) Reference year for Chain Volume Measures is 2015-16.

**KEY POINTS**

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

**TOTAL CONSTRUCTION**

- The trend estimate for total construction work done rose 1.1% in the December quarter 2017.
- The seasonally adjusted estimate for total construction work done fell 19.4% to \$50,320.7m in the December quarter.

**BUILDING WORK DONE**

- The trend estimate for total building work done rose 0.5% in the December quarter.
- The trend estimate for non-residential building work rose 2.5% and residential building work fell 0.7%.
- The seasonally adjusted estimate of total building work done rose 0.2% to \$28,124.0m in the December quarter.

**ENGINEERING WORK DONE**

- The trend estimate for engineering work done rose 1.8% in the December quarter.
- The seasonally adjusted estimate for engineering work done fell 35.4% to \$22,196.7m in the December quarter.

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE (Quarter)</i>	<i>RELEASE DATE</i>
March 2018	23 May 2018
June 2018	22 August 2018
September 2018	28 November 2018
December 2018	27 February 2019



## 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 85% of the value of both building and engineering work done during the quarter. More comprehensive and updated results will be released in *Engineering Construction Activity, Australia* (cat. no. 8762.0) on 28 March 2018 and in *Building Activity, Australia* (cat.no. 8752.0) on 11 April 2018.

## DATA NOTES

Trend estimates should be used with caution due to the volatility caused by large engineering projects. For more details on trend estimates, please see paragraphs 24 to 26 of the explanatory notes.

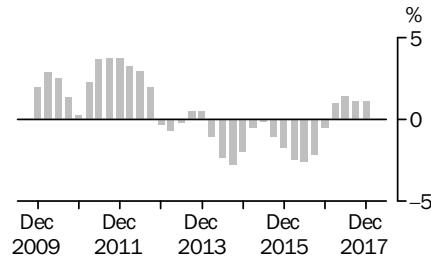
Mining projects tend to be complex in structure and comprise a number of different investment activities including exploration, engineering construction, plant and equipment and buildings. A feature article released in the March 2012 issue of *Private New Capital Expenditure and Expected Expenditure, Australia* (cat. no. 5625.0) provides a summary of the conceptual basis of the relevant ABS publications that measure investment in Australia, using a hypothetical mining project to illustrate how this investment is reflected in ABS data.

David W. Kalisch  
Australian Statistician

# CONSTRUCTION WORK DONE CHAIN VOLUME MEASURES

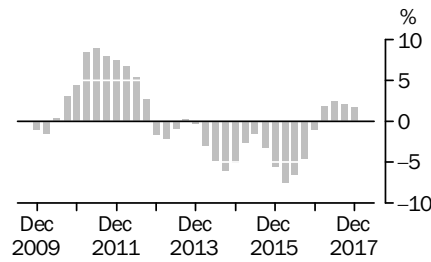
## TREND PERCENTAGE CHANGE

### TOTAL CONSTRUCTION



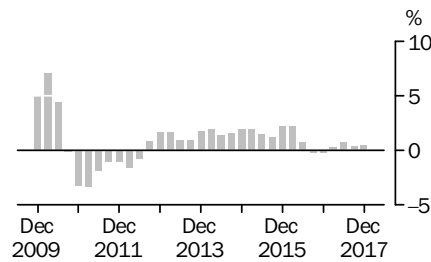
The trend estimate for total construction work done rose 1.1% this quarter and has risen for four quarters.

### ENGINEERING



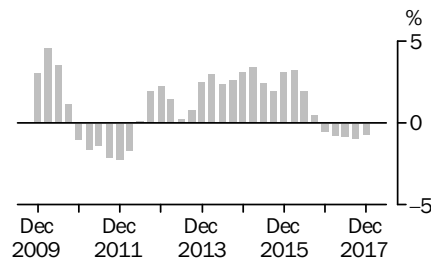
The trend estimate for engineering construction work done rose 1.8% this quarter and has risen for four quarters.

### BUILDING



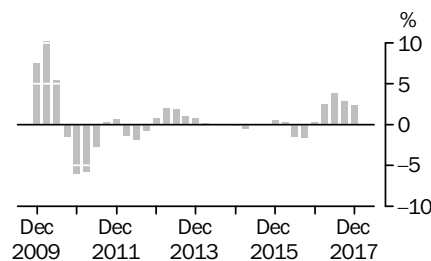
The trend estimate for total building work done rose 0.5% this quarter and has risen for four quarters.

### RESIDENTIAL



The trend estimate for residential building work done fell 0.7% this quarter and has fallen for five quarters.

### NON-RESIDENTIAL

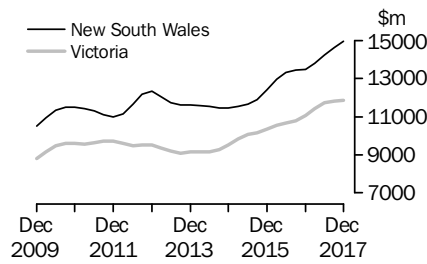


The trend estimate for non-residential building work done rose 2.5% this quarter and has risen for five quarters.

# CONSTRUCTION WORK DONE STATES AND TERRITORIES

## CHAIN VOLUME MEASURES—TREND ESTIMATES

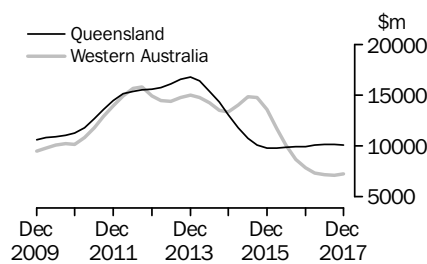
NEW SOUTH WALES  
VICTORIA



Construction work done in New South Wales has risen for 12 quarters.

Construction work done in Victoria has risen for 14 quarters.

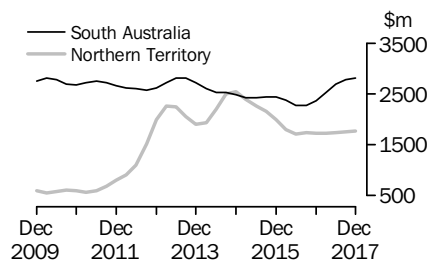
QUEENSLAND  
WESTERN AUSTRALIA



Construction work done in Queensland has fallen for one quarter.

Construction work done in Western Australia has risen for one quarter.

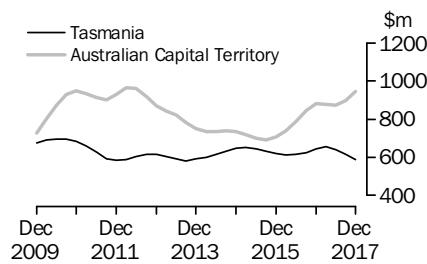
SOUTH AUSTRALIA  
NORTHERN TERRITORY



Construction work done in South Australia has risen for five quarters.

Construction work done in the Northern Territory has risen for three quarters.

TASMANIA  
AUSTRALIAN CAPITAL  
TERRITORY



Construction work done in Tasmania has fallen for three quarters.

Construction work done in the Australian Capital Territory has risen for two 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
<b>ORIGINAL</b>									
<b>2014-15</b>	92 096.6	9 516.2	101 628.2	87 657.0	26 036.2	113 612.4	179 931.9	35 540.6	215 425.7
<b>2015-16</b>	100 325.5	8 776.7	109 102.2	67 927.0	27 838.6	95 765.6	168 252.5	36 615.3	204 867.7
<b>2016-17</b>	100 622.8	10 027.3	110 650.1	55 675.7	31 564.3	87 240.0	156 298.5	41 591.7	197 890.1
<b>2016</b>									
Sep Qtr	25 634.3	2 539.5	28 173.7	13 371.1	6 661.3	20 032.5	39 005.4	9 200.8	48 206.2
Dec Qtr	26 263.8	2 412.6	28 676.4	12 999.5	7 714.2	20 713.7	39 263.3	10 126.8	49 390.1
<b>2017</b>									
Mar Qtr	23 240.8	2 320.7	25 561.5	12 339.8	7 687.6	20 027.3	35 580.5	10 008.3	45 588.8
Jun Qtr	25 483.9	2 754.5	28 238.5	16 965.3	9 501.3	26 466.5	42 449.2	12 255.8	54 705.0
Sep Qtr	26 318.9	2 724.1	29 043.0	26 002.6	8 284.8	34 287.5	52 321.6	11 008.9	63 330.5
Dec Qtr	26 181.7	2 846.6	29 028.3	14 118.6	8 548.6	22 667.2	40 300.3	11 395.2	51 695.5
<b>SEASONALLY ADJUSTED</b>									
<b>2016</b>									
Sep Qtr	24 737.2	2 440.2	27 177.5	13 047.5	7 281.7	20 329.1	37 784.6	9 721.9	47 506.6
Dec Qtr	25 460.3	2 353.1	27 813.7	12 468.5	7 803.3	20 271.8	37 928.8	10 156.3	48 085.4
<b>2017</b>									
Mar Qtr	25 167.4	2 547.6	27 714.9	12 972.2	8 036.0	21 008.2	38 139.6	10 583.5	48 723.1
Jun Qtr	25 194.3	2 684.1	27 878.1	17 187.5	8 443.0	25 630.5	42 381.9	11 127.1	53 508.6
Sep Qtr	25 445.7	2 619.0	28 064.9	25 297.8	9 049.4	34 347.2	50 743.5	11 668.4	62 412.1
Dec Qtr	25 338.0	2 785.8	28 124.0	13 554.2	8 642.5	22 196.7	38 892.2	11 428.3	50 320.7
<b>TREND</b>									
<b>2016</b>									
Sep Qtr	25 309.7	2 401.8	27 712.3	13 145.7	7 404.1	20 553.2	38 451.8	9 817.1	48 260.8
Dec Qtr	25 181.7	2 453.5	27 635.5	12 662.0	7 688.1	20 350.5	37 843.2	10 142.0	47 985.3
<b>2017</b>									
Mar Qtr	25 199.8	2 522.7	27 722.3	12 612.0	8 114.7	20 726.1	37 812.5	10 635.9	48 449.3
Jun Qtr	25 292.4	2 617.6	27 909.4	12 720.2	8 499.9	21 217.4	38 012.1	11 114.9	49 124.3
Sep Qtr	25 322.8	2 693.6	28 016.2	12 908.3	8 752.3	21 659.5	38 230.6	11 444.8	49 674.3
Dec Qtr	25 402.9	2 743.4	28 150.6	13 158.3	8 873.5	22 048.6	38 571.6	11 633.7	50 224.8

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 of the Explanatory Notes.

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>2014-15</b>	10.3	-19.5	6.5	-17.6	-12.7	-16.5	-5.5	-14.6	-7.2
<b>2015-16</b>	8.9	-7.8	7.4	-22.5	6.9	-15.7	-6.5	3.0	-4.9
<b>2016-17</b>	0.3	14.2	1.4	-18.0	13.4	-8.9	-7.1	13.6	-3.4
<b>2016</b>									
Sep Qtr	-2.0	3.4	-1.5	-3.9	-18.9	-9.6	-2.6	-13.8	-5.0
Dec Qtr	2.5	-5.0	1.8	-2.8	15.8	3.4	0.7	10.1	2.5
<b>2017</b>									
Mar Qtr	-11.5	-3.8	-10.9	-5.1	-0.3	-3.3	-9.4	-1.2	-7.7
Jun Qtr	9.7	18.7	10.5	37.5	23.6	32.2	19.3	22.5	20.0
Sep Qtr	3.3	-1.1	2.8	53.3	-12.8	29.6	23.3	-10.2	15.8
Dec Qtr	-0.5	4.5	-0.1	-45.7	3.2	-33.9	-23.0	3.5	-18.4
SEASONALLY ADJUSTED									
<b>2016</b>									
Sep Qtr	-4.5	1.4	-4.0	-7.8	0.9	-4.9	-5.6	0.7	-4.4
Dec Qtr	2.9	-3.6	2.3	-4.4	7.2	-0.3	0.4	4.5	1.2
<b>2017</b>									
Mar Qtr	-1.2	8.3	-0.4	4.0	3.0	3.6	0.6	4.2	1.3
Jun Qtr	0.1	5.4	0.6	32.5	5.1	22.0	11.1	5.1	9.8
Sep Qtr	1.0	-2.4	0.7	47.2	7.2	34.0	19.7	4.9	16.6
Dec Qtr	-0.4	6.4	0.2	-46.4	-4.5	-35.4	-23.4	-2.1	-19.4
TREND									
<b>2016</b>									
Sep Qtr	-0.5	3.0	-0.2	-8.2	2.5	-4.6	-3.3	2.6	-2.1
Dec Qtr	-0.5	2.2	-0.3	-3.7	3.8	-1.0	-1.6	3.3	-0.6
<b>2017</b>									
Mar Qtr	0.1	2.8	0.3	-0.4	5.5	1.8	-0.1	4.9	1.0
Jun Qtr	0.4	3.8	0.7	0.9	4.7	2.4	0.5	4.5	1.4
Sep Qtr	0.1	2.9	0.4	1.5	3.0	2.1	0.6	3.0	1.1
Dec Qtr	0.3	1.8	0.5	1.9	1.4	1.8	0.9	1.6	1.1

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 of the Explanatory Notes.

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

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
<i>Period</i>	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL									
<b>2014-15</b>	46 208.9	38 538.3	49 704.3	9 757.8	56 040.4	2 544.4	9 717.3	2 892.2	215 425.7
<b>2015-16</b>	50 692.1	41 937.7	39 585.2	9 638.0	49 876.0	2 475.9	7 732.3	2 930.6	204 867.7
<b>2016-17</b>	54 639.9	44 773.3	40 102.9	9 875.6	35 569.5	2 610.9	6 872.8	3 445.3	197 890.1
<b>2016</b>									
Sep Qtr	12 964.5	10 681.6	10 411.6	2 276.7	8 698.0	625.5	1 747.6	800.8	48 206.2
Dec Qtr	14 060.2	11 241.4	10 490.8	2 364.8	7 903.1	607.0	1 785.2	937.9	49 390.1
<b>2017</b>									
Mar Qtr	13 014.8	10 744.2	8 917.8	2 429.9	7 262.9	628.1	1 723.6	867.6	45 588.8
Jun Qtr	14 600.4	12 106.2	10 282.8	2 804.2	11 705.6	750.3	1 616.4	839.1	54 705.0
Sep Qtr	14 638.5	12 061.5	10 775.8	2 745.9	19 746.0	547.8	1 923.6	891.4	63 330.5
Dec Qtr	15 185.6	12 004.6	10 505.1	2 989.2	7 693.0	597.8	1 709.7	1 010.5	51 695.5
SEASONALLY ADJUSTED									
<b>2016</b>									
Sep Qtr	13 201.0	10 519.5	9 969.8	2 296.2	8 524.4	659.4	1 738.6	803.2	47 506.6
Dec Qtr	13 625.9	10 995.2	9 984.5	2 234.8	7 838.8	607.2	1 772.8	929.0	48 085.4
<b>2017</b>									
Mar Qtr	13 705.0	11 531.0	9 967.8	2 642.6	7 481.3	668.5	1 750.4	901.2	48 723.1
Jun Qtr	14 107.7	11 727.6	10 180.5	2 701.9	11 724.9	675.7	1 611.6	811.6	53 508.6
Sep Qtr	15 011.9	11 917.9	10 277.2	2 774.5	19 501.5	575.0	1 917.4	898.9	62 412.1
Dec Qtr	14 715.5	11 754.7	9 968.8	2 823.9	7 621.5	599.8	1 698.1	987.8	50 320.7
TREND									
<b>2016</b>									
Sep Qtr	13 432.0	10 792.7	9 916.2	2 270.7	8 686.2	625.1	1 742.7	844.3	48 260.8
Dec Qtr	13 485.7	11 043.1	9 977.5	2 366.0	7 852.2	645.9	1 734.1	880.8	47 985.3
<b>2017</b>									
Mar Qtr	13 803.0	11 410.7	10 059.7	2 536.9	7 367.8	654.7	1 730.6	878.7	48 449.3
Jun Qtr	14 251.4	11 723.7	10 135.9	2 693.8	7 166.3	641.1	1 740.6	873.1	49 124.3
Sep Qtr	14 645.5	11 835.5	10 155.7	2 785.2	7 134.7	616.0	1 761.7	897.2	49 674.3
Dec Qtr	14 946.0	11 855.2	10 116.1	2 816.7	7 252.9	586.9	1 777.3	945.0	50 224.8

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 of the Explanatory Notes.



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

<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>
	%	%	%	%	%	%	%	%	%
ORIGINAL									
<b>2014–15</b>	-0.2	4.6	-24.4	-8.9	-5.2	5.8	21.0	-3.2	-7.2
<b>2015–16</b>	9.7	8.8	-20.4	-1.2	-11.0	-2.7	-20.4	1.3	-4.9
<b>2016–17</b>	7.8	6.8	1.3	2.5	-28.7	5.5	-11.1	17.6	-3.4
<b>2016</b>									
Sep Qtr	-6.9	-5.8	4.8	-4.5	-12.9	-5.5	1.8	-1.2	-5.0
Dec Qtr	8.5	5.2	0.8	3.9	-9.1	-3.0	2.1	17.1	2.5
<b>2017</b>									
Mar Qtr	-7.4	-4.4	-15.0	2.8	-8.1	3.5	-3.5	-7.5	-7.7
Jun Qtr	12.2	12.7	15.3	15.4	61.2	19.5	-6.2	-3.3	20.0
Sep Qtr	0.3	-0.4	4.8	-2.1	68.7	-27.0	19.0	6.2	15.8
Dec Qtr	3.7	-0.5	-2.5	8.9	-61.0	9.1	-11.1	13.4	-18.4
SEASONALLY ADJUSTED									
<b>2016</b>									
Sep Qtr	-1.8	-4.7	1.1	-0.3	-14.9	10.2	1.4	1.8	-4.4
Dec Qtr	3.2	4.5	0.1	-2.7	-8.0	-7.9	2.0	15.7	1.2
<b>2017</b>									
Mar Qtr	0.6	4.9	-0.2	18.2	-4.6	10.1	-1.3	-3.0	1.3
Jun Qtr	2.9	1.7	2.1	2.2	56.7	1.1	-7.9	-9.9	9.8
Sep Qtr	6.4	1.6	0.9	2.7	66.3	-14.9	19.0	10.8	16.6
Dec Qtr	-2.0	-1.4	-3.0	1.8	-60.9	4.3	-11.4	9.9	-19.4
TREND									
<b>2016</b>									
Sep Qtr	0.8	1.2	0.7	-0.5	-13.8	1.8	1.5	7.6	-2.1
Dec Qtr	0.4	2.3	0.6	4.2	-9.6	3.3	-0.5	4.3	-0.6
<b>2017</b>									
Mar Qtr	2.4	3.3	0.8	7.2	-6.2	1.4	-0.2	-0.2	1.0
Jun Qtr	3.2	2.7	0.8	6.2	-2.7	-2.1	0.6	-0.6	1.4
Sep Qtr	2.8	1.0	0.2	3.4	-0.4	-3.9	1.2	2.8	1.1
Dec Qtr	2.1	0.2	-0.4	1.1	1.7	-4.7	0.9	5.3	1.1

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 of the Explanatory Notes.

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

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Period	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BUILDING WORK DONE									
<b>2014-15</b>	29 695.9	28 301.0	18 862.0	5 318.0	14 433.0	1 273.3	1 461.9	2 199.4	101 628.2
<b>2015-16</b>	33 717.0	30 822.1	21 006.9	4 918.8	13 713.5	1 323.9	1 381.0	2 218.9	109 102.2
<b>2016-17</b>	35 651.0	32 733.5	20 985.4	4 954.2	11 357.9	1 296.4	1 173.0	2 498.6	110 650.1
<b>2016</b>									
Sep Qtr	8 954.1	7 944.0	5 644.5	1 223.8	3 144.9	330.3	332.5	599.6	28 173.7
Dec Qtr	9 313.1	8 238.6	5 621.2	1 269.0	2 890.0	325.3	306.3	713.0	28 676.4
<b>2017</b>									
Mar Qtr	8 281.3	7 832.5	4 599.1	1 108.0	2 539.6	316.4	264.1	620.5	25 561.5
Jun Qtr	9 102.6	8 718.4	5 120.6	1 353.4	2 783.4	324.5	270.2	565.4	28 238.5
Sep Qtr	9 350.8	8 890.6	5 464.1	1 347.5	2 790.5	310.3	237.4	651.8	29 043.0
Dec Qtr	9 535.1	8 456.6	5 428.3	1 456.0	2 793.6	317.6	259.9	781.3	29 028.3
ENGINEERING WORK DONE									
<b>2014-15</b>	16 478.2	10 237.0	30 652.1	4 440.2	41 620.3	1 267.9	8 261.2	692.9	113 612.4
<b>2015-16</b>	16 975.1	11 115.6	18 578.3	4 719.2	36 162.5	1 151.9	6 351.3	711.7	95 765.6
<b>2016-17</b>	18 988.9	12 039.8	19 117.5	4 921.3	24 211.6	1 314.4	5 699.7	946.8	87 240.0
<b>2016</b>									
Sep Qtr	4 010.5	2 737.5	4 767.1	1 052.9	5 553.0	295.2	1 415.2	201.1	20 032.5
Dec Qtr	4 747.1	3 002.8	4 869.5	1 095.7	5 013.1	281.7	1 478.9	224.9	20 713.7
<b>2017</b>									
Mar Qtr	4 733.4	2 911.7	4 318.7	1 321.9	4 723.3	311.7	1 459.5	247.1	20 027.3
Jun Qtr	5 497.9	3 387.7	5 162.2	1 450.8	8 922.2	425.9	1 346.2	273.7	26 466.5
Sep Qtr	5 287.7	3 170.9	5 311.6	1 398.4	16 955.5	237.6	1 686.2	239.5	34 287.5
Dec Qtr	5 650.5	3 548.1	5 076.8	1 533.2	4 899.4	280.2	1 449.7	229.3	22 667.2
CONSTRUCTION WORK DONE									
<b>2014-15</b>	46 208.9	38 538.3	49 704.3	9 757.8	56 040.4	2 544.4	9 717.3	2 892.2	215 425.7
<b>2015-16</b>	50 692.1	41 937.7	39 585.2	9 638.0	49 876.0	2 475.9	7 732.3	2 930.6	204 867.7
<b>2016-17</b>	54 639.9	44 773.3	40 102.9	9 875.6	35 569.5	2 610.9	6 872.8	3 445.3	197 890.1
<b>2016</b>									
Sep Qtr	12 964.5	10 681.6	10 411.6	2 276.7	8 698.0	625.5	1 747.6	800.8	48 206.2
Dec Qtr	14 060.2	11 241.4	10 490.8	2 364.8	7 903.1	607.0	1 785.2	937.9	49 390.1
<b>2017</b>									
Mar Qtr	13 014.8	10 744.2	8 917.8	2 429.9	7 262.9	628.1	1 723.6	867.6	45 588.8
Jun Qtr	14 600.4	12 106.2	10 282.8	2 804.2	11 705.6	750.3	1 616.4	839.1	54 705.0
Sep Qtr	14 638.5	12 061.5	10 775.8	2 745.9	19 746.0	547.8	1 923.6	891.4	63 330.5
Dec Qtr	15 185.6	12 004.6	10 505.1	2 989.2	7 693.0	597.8	1 709.7	1 010.5	51 695.5

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 of the Explanatory Notes.

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

Original—Change from previous period

<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>
	%	%	%	%	%	%	%	%	%
.....									
BUILDING WORK DONE									
<b>2014-15</b>	12.0	8.0	3.0	5.0	2.6	16.6	-25.0	6.2	6.5
<b>2015-16</b>	13.5	8.9	11.4	-7.5	-5.0	4.0	-5.5	0.9	7.4
<b>2016-17</b>	5.7	6.2	-0.1	0.7	-17.2	-2.1	-15.1	12.6	1.4
<b>2016</b>									
Sep Qtr	-3.1	-3.5	4.7	0.6	-3.2	-0.2	-2.6	-2.5	-1.5
Dec Qtr	4.0	3.7	-0.4	3.7	-8.1	-1.5	-7.9	18.9	1.8
<b>2017</b>									
Mar Qtr	-11.1	-4.9	-18.2	-12.7	-12.1	-2.7	-13.8	-13.0	-10.9
Jun Qtr	9.9	11.3	11.3	22.1	9.6	2.5	2.3	-8.9	10.5
Sep Qtr	2.7	2.0	6.7	-0.4	0.3	-4.4	-12.2	15.3	2.8
Dec Qtr	2.0	-4.9	-0.7	8.0	0.1	2.4	9.5	19.9	-0.1
.....									
ENGINEERING WORK DONE									
<b>2014-15</b>	-15.9	-3.4	-34.5	-21.5	-7.7	-2.9	36.0	-24.3	-16.5
<b>2015-16</b>	3.0	8.6	-39.4	6.3	-13.1	-9.1	-23.1	2.7	-15.7
<b>2016-17</b>	11.9	8.3	2.9	4.3	-33.0	14.1	-10.3	33.0	-8.9
<b>2016</b>									
Sep Qtr	-14.5	-12.0	4.9	-9.7	-17.5	-10.8	2.9	3.1	-9.6
Dec Qtr	18.4	9.7	2.1	4.1	-9.7	-4.6	4.5	11.8	3.4
<b>2017</b>									
Mar Qtr	-0.3	-3.0	-11.3	20.6	-5.8	10.6	-1.3	9.9	-3.3
Jun Qtr	16.1	16.4	19.5	9.7	88.9	36.7	-7.8	10.7	32.2
Sep Qtr	-3.8	-6.4	2.9	-3.6	90.0	-44.2	25.3	-12.5	29.6
Dec Qtr	6.9	11.9	-4.4	9.6	-71.1	17.9	-14.0	-4.3	-33.9
.....									
CONSTRUCTION WORK DONE									
<b>2014-15</b>	-0.2	4.6	-24.4	-8.9	-5.2	5.8	21.0	-3.2	-7.2
<b>2015-16</b>	9.7	8.8	-20.4	-1.2	-11.0	-2.7	-20.4	1.3	-4.9
<b>2016-17</b>	7.8	6.8	1.3	2.5	-28.7	5.5	-11.1	17.6	-3.4
<b>2016</b>									
Sep Qtr	-6.9	-5.8	4.8	-4.5	-12.9	-5.5	1.8	-1.2	-5.0
Dec Qtr	8.5	5.2	0.8	3.9	-9.1	-3.0	2.1	17.1	2.5
<b>2017</b>									
Mar Qtr	-7.4	-4.4	-15.0	2.8	-8.1	3.5	-3.5	-7.5	-7.7
Jun Qtr	12.2	12.7	15.3	15.4	61.2	19.5	-6.2	-3.3	20.0
Sep Qtr	0.3	-0.4	4.8	-2.1	68.7	-27.0	19.0	6.2	15.8
Dec Qtr	3.7	-0.5	-2.5	8.9	-61.0	9.1	-11.1	13.4	-18.4

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 of the Explanatory Notes.

## 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>2014-15</b>	89 754.9	9 380.7	99 135.7	86 442.6	25 972.2	112 414.8	176 197.6	35 352.9	211 550.5
<b>2015-16</b>	100 325.5	8 776.7	109 102.2	67 927.0	27 838.6	95 765.5	168 252.5	36 615.3	204 867.7
<b>2016-17</b>	102 966.8	10 173.4	113 140.2	56 151.1	31 635.9	87 787.0	159 117.9	41 809.2	200 927.2
<b>2016</b>									
Sep Qtr	25 917.8	2 554.1	28 471.9	13 261.3	6 642.2	19 903.4	39 179.1	9 196.3	48 375.3
Dec Qtr	26 798.7	2 446.3	29 245.0	13 014.6	7 699.9	20 714.5	39 813.3	10 146.2	49 959.5
<b>2017</b>									
Mar Qtr	23 846.1	2 354.1	26 200.2	12 470.8	7 701.7	20 172.5	36 316.9	10 055.7	46 372.7
Jun Qtr	26 404.2	2 818.9	29 223.0	17 404.4	9 592.2	26 996.6	43 808.6	12 411.0	56 219.6
Sep Qtr	27 415.2	2 797.6	30 212.9	26 975.3	8 409.5	35 384.8	54 390.5	11 207.1	65 597.7
Dec Qtr	27 415.3	2 936.9	30 352.2	14 704.4	8 728.4	23 432.8	42 119.7	11 665.3	53 785.0
SEASONALLY ADJUSTED									
<b>2016</b>									
Sep Qtr	25 021.6	2 454.6	27 476.2	12 938.6	7 239.9	20 178.5	37 960.2	9 694.5	47 654.7
Dec Qtr	25 993.5	2 386.0	28 379.5	12 496.5	7 761.0	20 257.5	38 490.0	10 147.0	48 637.0
<b>2017</b>									
Mar Qtr	25 840.1	2 583.8	28 423.9	13 135.1	8 016.6	21 151.7	38 975.2	10 600.4	49 575.6
Jun Qtr	26 121.5	2 746.5	28 868.0	17 605.8	8 486.0	26 091.8	43 727.3	11 232.4	54 959.7
Sep Qtr	26 518.0	2 689.2	29 207.2	26 624.8	9 149.6	35 774.3	53 142.8	11 838.7	64 981.5
Dec Qtr	26 543.1	2 874.0	29 417.1	14 150.5	8 789.1	22 939.6	40 693.6	11 663.1	52 356.7
TREND									
<b>2016</b>									
Sep Qtr	25 619.9	2 419.7	28 039.5	13 102.3	7 358.0	20 460.3	38 722.2	9 777.7	48 499.9
Dec Qtr	25 681.2	2 482.0	28 163.2	12 641.0	7 647.1	20 288.1	38 322.2	10 129.1	48 451.3
<b>2017</b>									
Mar Qtr	25 905.8	2 564.8	28 470.6	12 844.4	8 104.2	20 948.6	38 750.2	10 669.0	49 419.2
Jun Qtr	26 189.8	2 675.1	28 864.9	13 305.4	8 538.5	21 843.9	39 495.2	11 213.6	50 708.8
Sep Qtr	26 390.0	2 766.2	29 156.2	13 748.3	8 847.5	22 595.8	40 138.3	11 613.7	51 752.0
Dec Qtr	26 623.3	2 829.9	29 453.2	14 138.9	9 036.6	23 175.5	40 762.2	11 866.4	52 628.7

## 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>2014–15</b>	13.7	-17.9	9.7	-16.6	-11.0	-15.3	-3.5	-12.9	-5.2
<b>2015–16</b>	11.8	-6.4	10.1	-21.4	7.2	-14.8	-4.5	3.6	-3.2
<b>2016–17</b>	2.6	15.9	3.7	-17.3	13.6	-8.3	-5.4	14.2	-1.9
<b>2016</b>									
Sep Qtr	-1.5	3.4	-1.1	-5.1	-18.9	-10.2	-2.8	-13.7	-5.1
Dec Qtr	3.4	-4.2	2.7	-1.9	15.9	4.1	1.6	10.3	3.3
<b>2017</b>									
Mar Qtr	-11.0	-3.8	-10.4	-4.2	—	-2.6	-8.8	-0.9	-7.2
Jun Qtr	10.7	19.7	11.5	39.6	24.5	33.8	20.6	23.4	21.2
Sep Qtr	3.8	-0.8	3.4	55.0	-12.3	31.1	24.2	-9.7	16.7
Dec Qtr	—	5.0	0.5	-45.5	3.8	-33.8	-22.6	4.1	-18.0
SEASONALLY ADJUSTED									
<b>2016</b>									
Sep Qtr	-4.0	1.5	-3.5	-8.9	0.9	-5.6	-5.7	1.0	-4.4
Dec Qtr	3.9	-2.8	3.3	-3.4	7.2	0.4	1.4	4.7	2.1
<b>2017</b>									
Mar Qtr	-0.6	8.3	0.2	5.1	3.3	4.4	1.3	4.5	1.9
Jun Qtr	1.1	6.3	1.6	34.0	5.9	23.4	12.2	6.0	10.9
Sep Qtr	1.5	-2.1	1.2	51.2	7.8	37.1	21.5	5.4	18.2
Dec Qtr	0.1	6.9	0.7	-46.9	-3.9	-35.9	-23.4	-1.5	-19.4
TREND									
<b>2016</b>									
Sep Qtr	0.1	3.3	0.3	-8.4	2.4	-4.8	-3.0	2.6	-1.9
Dec Qtr	0.2	2.6	0.4	-3.5	3.9	-0.8	-1.0	3.6	-0.1
<b>2017</b>									
Mar Qtr	0.9	3.3	1.1	1.6	6.0	3.3	1.1	5.3	2.0
Jun Qtr	1.1	4.3	1.4	3.6	5.4	4.3	1.9	5.1	2.6
Sep Qtr	0.8	3.4	1.0	3.3	3.6	3.4	1.6	3.6	2.1
Dec Qtr	0.9	2.3	1.0	2.8	2.1	2.6	1.6	2.2	1.7

— nil or rounded to zero (including null cells)

CONSTRUCTION WORK DONE, States and territories—Current prices: **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>2014–15</b>	28 539.0	27 863.3	18 205.5	5 260.6	14 405.0	1 224.8	1 466.1	2 171.4	99 135.7
<b>2015–16</b>	33 717.0	30 822.1	21 006.9	4 918.8	13 713.5	1 323.9	1 381.0	2 218.9	109 102.2
<b>2016–17</b>	36 890.0	33 007.7	21 926.9	5 012.5	11 242.9	1 343.0	1 159.3	2 557.8	113 140.2
<b>2016</b>									
Sep Qtr	9 094.0	7 960.9	5 789.2	1 234.0	3 119.1	339.1	327.3	608.4	28 471.9
Dec Qtr	9 591.7	8 285.4	5 857.5	1 283.4	2 862.6	334.3	301.8	728.4	29 245.0
<b>2017</b>									
Mar Qtr	8 598.2	7 909.3	4 833.4	1 121.6	2 510.7	328.6	261.3	637.0	26 200.2
Jun Qtr	9 606.1	8 851.9	5 446.8	1 373.6	2 750.6	341.0	269.0	584.0	29 223.0
Sep Qtr	9 951.1	9 072.6	5 827.5	1 371.1	2 747.0	327.6	236.6	679.4	30 212.9
Dec Qtr	10 211.8	8 683.9	5 795.8	1 492.5	2 749.3	338.8	259.7	820.4	30 352.2
.....									
ENGINEERING WORK DONE									
<b>2014–15</b>	16 384.3	10 209.2	30 353.2	4 398.3	40 999.4	1 266.2	8 113.2	691.0	112 414.8
<b>2015–16</b>	16 975.1	11 115.6	18 578.3	4 719.2	36 162.5	1 151.9	6 351.3	711.7	95 765.5
<b>2016–17</b>	19 098.7	11 943.9	19 244.3	4 968.5	24 520.6	1 304.9	5 760.2	945.9	87 787.0
<b>2016</b>									
Sep Qtr	4 011.7	2 707.2	4 724.9	1 051.7	5 514.7	291.8	1 401.1	200.3	19 903.4
Dec Qtr	4 759.8	2 959.0	4 876.2	1 099.2	5 033.8	277.8	1 485.5	223.2	20 714.5
<b>2017</b>									
Mar Qtr	4 758.4	2 883.5	4 366.9	1 336.2	4 786.6	308.8	1 485.3	246.7	20 172.5
Jun Qtr	5 568.8	3 394.1	5 276.3	1 481.4	9 185.5	426.5	1 388.3	275.7	26 996.6
Sep Qtr	5 371.5	3 212.6	5 466.0	1 437.3	17 668.3	239.0	1 747.7	242.4	35 384.8
Dec Qtr	5 783.4	3 613.4	5 274.2	1 583.3	5 135.1	283.7	1 526.2	233.4	23 432.8
.....									
CONSTRUCTION WORK DONE									
<b>2014–15</b>	44 923.3	38 072.5	48 558.8	9 658.9	55 404.3	2 491.0	9 579.3	2 862.4	211 550.5
<b>2015–16</b>	50 692.1	41 937.7	39 585.2	9 638.0	49 876.0	2 475.9	7 732.3	2 930.6	204 867.7
<b>2016–17</b>	55 988.7	44 951.6	41 171.2	9 981.0	35 763.6	2 647.9	6 919.5	3 503.7	200 927.2
<b>2016</b>									
Sep Qtr	13 105.7	10 668.2	10 514.1	2 285.6	8 633.8	630.9	1 728.4	808.7	48 375.3
Dec Qtr	14 351.5	11 244.5	10 733.7	2 382.6	7 896.3	612.1	1 787.3	951.6	49 959.5
<b>2017</b>									
Mar Qtr	13 356.6	10 792.9	9 200.3	2 457.8	7 297.3	637.4	1 746.5	883.7	46 372.7
Jun Qtr	15 174.9	12 246.1	10 723.1	2 855.0	11 936.1	767.5	1 657.3	859.6	56 219.6
Sep Qtr	15 322.6	12 285.2	11 293.5	2 808.4	20 415.3	566.5	1 984.4	921.8	65 597.7
Dec Qtr	15 995.2	12 297.3	11 070.1	3 075.8	7 884.4	622.5	1 785.9	1 053.8	53 785.0

<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>2014–15</b>	16.3	10.6	7.8	5.5	4.4	18.1	-23.9	7.9	9.7
<b>2015–16</b>	18.1	10.6	15.4	-6.5	-4.8	8.1	-5.8	2.2	10.1
<b>2016–17</b>	9.4	7.1	4.4	1.9	-18.0	1.4	-16.1	15.3	3.7
<b>2016</b>									
Sep Qtr	-2.3	-3.6	5.7	0.9	-3.3	1.1	-3.0	-2.3	-1.1
Dec Qtr	5.5	4.1	1.2	4.0	-8.2	-1.4	-7.8	19.7	2.7
<b>2017</b>									
Mar Qtr	-10.4	-4.5	-17.5	-12.6	-12.3	-1.7	-13.4	-12.5	-10.4
Jun Qtr	11.7	11.9	12.7	22.5	9.6	3.8	3.0	-8.3	11.5
Sep Qtr	3.6	2.5	7.0	-0.2	-0.1	-3.9	-12.0	16.3	3.4
Dec Qtr	2.6	-4.3	-0.5	8.9	0.1	3.4	9.7	20.8	0.5
.....									
<b>ENGINEERING WORK DONE</b>									
<b>2014–15</b>	-14.2	-1.7	-33.8	-19.8	-6.5	-1.6	37.1	-23.0	-15.3
<b>2015–16</b>	3.6	8.9	-38.8	7.3	-11.8	-9.0	-21.7	3.0	-14.8
<b>2016–17</b>	12.5	7.5	3.6	5.3	-32.2	13.3	-9.3	32.9	-8.3
<b>2016</b>									
Sep Qtr	-14.4	-12.3	4.1	-9.9	-18.7	-10.8	1.1	3.4	-10.2
Dec Qtr	18.6	9.3	3.2	4.5	-8.7	-4.8	6.0	11.4	4.1
<b>2017</b>									
Mar Qtr	—	-2.6	-10.4	21.6	-4.9	11.2	—	10.5	-2.6
Jun Qtr	17.0	17.7	20.8	10.9	91.9	38.1	-6.5	11.8	33.8
Sep Qtr	-3.5	-5.3	3.6	-3.0	92.3	-44.0	25.9	-12.1	31.1
Dec Qtr	7.7	12.5	-3.5	10.2	-70.9	18.7	-12.7	-3.7	-33.8
.....									
<b>CONSTRUCTION WORK DONE</b>									
<b>2014–15</b>	3.0	7.0	-22.6	-7.7	-3.9	7.2	22.1	-1.6	-5.2
<b>2015–16</b>	12.8	10.2	-18.5	-0.2	-10.0	-0.6	-19.3	2.4	-3.2
<b>2016–17</b>	10.4	7.2	4.0	3.6	-28.3	6.9	-10.5	19.6	-1.9
<b>2016</b>									
Sep Qtr	-6.3	-6.0	5.0	-4.4	-13.7	-4.8	0.3	-1.0	-5.1
Dec Qtr	9.5	5.4	2.1	4.2	-8.5	-3.0	3.4	17.7	3.3
<b>2017</b>									
Mar Qtr	-6.9	-4.0	-14.3	3.2	-7.6	4.1	-2.3	-7.1	-7.2
Jun Qtr	13.6	13.5	16.6	16.2	63.6	20.4	-5.1	-2.7	21.2
Sep Qtr	1.0	0.3	5.3	-1.6	71.0	-26.2	19.7	7.2	16.7
Dec Qtr	4.4	0.1	-2.0	9.5	-61.4	9.9	-10.0	14.3	-18.0

— nil or rounded to zero (including null cells)

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

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>2014-15</b>	55 067.5	55 904.0	8 088.4	8 244.3	63 151.0	64 143.3	28 925.2	37 449.6	92 096.6	101 628.2
<b>2015-16</b>	62 102.5	63 077.2	8 358.6	8 498.0	70 461.1	71 575.2	29 864.4	37 527.0	100 325.5	109 102.2
<b>2016-17</b>	64 045.1	64 845.5	8 545.4	8 742.7	72 590.5	73 588.2	28 032.3	37 061.9	100 622.8	110 650.1
<b>2016</b>										
Sep Qtr	16 591.5	16 793.7	2 192.6	2 227.8	18 784.1	19 021.4	6 850.2	9 152.3	25 634.3	28 173.7
Dec Qtr	16 607.3	16 806.6	2 389.4	2 419.2	18 996.7	19 225.8	7 267.1	9 450.6	26 263.8	28 676.4
<b>2017</b>										
Mar Qtr	14 826.6	15 009.1	1 816.5	1 881.4	16 643.1	16 890.4	6 597.7	8 671.1	23 240.8	25 561.5
Jun Qtr	16 019.7	16 236.1	2 147.0	2 214.4	18 166.6	18 450.5	7 317.3	9 788.0	25 483.9	28 238.5
Sep Qtr	16 503.0	16 737.7	2 015.3	2 048.0	18 518.3	18 785.7	7 800.8	10 257.5	26 319.1	29 043.2
Dec Qtr	15 797.0	16 008.5	2 164.7	2 216.7	17 961.7	18 225.2	8 219.9	10 803.0	26 181.6	29 028.2
<b>SEASONALLY ADJUSTED</b>										
<b>2016</b>										
Sep Qtr	15 989.4	16 176.7	2 145.2	2 181.0	18 134.5	18 357.7	6 602.6	8 819.8	24 737.2	27 177.5
Dec Qtr	16 355.8	16 558.4	2 193.6	2 230.4	18 549.4	18 788.8	6 910.9	9 024.8	25 460.3	27 813.7
<b>2017</b>										
Mar Qtr	15 869.0	16 068.9	2 063.8	2 127.0	17 932.8	18 195.9	7 234.5	9 519.0	25 167.4	27 714.9
Jun Qtr	15 802.5	16 013.6	2 137.4	2 198.6	17 939.9	18 212.2	7 254.5	9 665.9	25 194.3	27 878.1
Sep Qtr	15 915.5	16 135.8	1 974.1	2 006.8	17 889.6	18 142.6	7 556.2	9 922.5	25 445.8	28 065.1
Dec Qtr	15 540.8	15 756.8	1 983.0	2 045.6	17 523.8	17 802.4	7 814.1	10 321.5	25 337.9	28 123.9
<b>TREND</b>										
<b>2016</b>										
Sep Qtr	16 229.4	16 432.7	2 155.9	2 189.8	18 385.5	18 622.7	6 925.4	9 090.3	25 309.7	27 712.3
Dec Qtr	16 119.4	16 315.4	2 155.2	2 200.9	18 274.6	18 516.3	6 907.1	9 119.1	25 181.7	27 635.4
<b>2017</b>										
Mar Qtr	15 997.1	16 198.9	2 123.1	2 176.6	18 120.2	18 375.5	7 079.4	9 346.8	25 199.8	27 722.4
Jun Qtr	15 875.7	16 086.5	2 072.5	2 126.1	17 948.4	18 212.8	7 344.0	9 698.6	25 292.4	27 909.5
Sep Qtr	15 752.5	15 968.4	2 019.7	2 071.0	17 772.4	18 039.6	7 550.5	9 977.5	25 322.9	28 016.2
Dec Qtr	15 664.3	15 884.5	1 978.9	2 028.7	17 640.7	17 910.5	7 762.2	10 223.3	25 402.9	28 150.6

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 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>2014-15</b>	12.6	12.3	2.7	2.2	11.3	10.9	8.2	-0.1	10.3	6.5
<b>2015-16</b>	12.8	12.8	3.3	3.1	11.6	11.6	3.2	0.2	8.9	7.4
<b>2016-17</b>	3.1	2.8	2.2	2.9	3.0	2.8	-6.1	-1.2	0.3	1.4
<b>2016</b>										
Sep Qtr	0.6	0.4	2.0	2.1	0.7	0.6	-8.7	-5.7	-2.0	-1.5
Dec Qtr	0.1	0.1	9.0	8.6	1.1	1.1	6.1	3.3	2.5	1.8
<b>2017</b>										
Mar Qtr	-10.7	-10.7	-24.0	-22.2	-12.4	-12.1	-9.2	-8.2	-11.5	-10.9
Jun Qtr	8.0	8.2	18.2	17.7	9.2	9.2	10.9	12.9	9.7	10.5
Sep Qtr	3.0	3.1	-6.1	-7.5	1.9	1.8	6.6	4.8	3.3	2.8
Dec Qtr	-4.3	-4.4	7.4	8.2	-3.0	-3.0	5.4	5.3	-0.5	-0.1
SEASONALLY ADJUSTED										
<b>2016</b>										
Sep Qtr	-1.8	-2.0	0.1	0.4	-1.6	-1.8	-11.6	-8.3	-4.5	-4.0
Dec Qtr	2.3	2.4	2.3	2.3	2.3	2.3	4.7	2.3	2.9	2.3
<b>2017</b>										
Mar Qtr	-3.0	-3.0	-5.9	-4.6	-3.3	-3.2	4.7	5.5	-1.2	-0.4
Jun Qtr	-0.4	-0.3	3.6	3.4	—	0.1	0.3	1.5	0.1	0.6
Sep Qtr	0.7	0.8	-7.6	-8.7	-0.3	-0.4	4.2	2.7	1.0	0.7
Dec Qtr	-2.4	-2.3	0.5	1.9	-2.0	-1.9	3.4	4.0	-0.4	0.2
TREND										
<b>2016</b>										
Sep Qtr	0.5	0.4	1.3	1.4	0.6	0.5	-3.3	-1.7	-0.5	-0.2
Dec Qtr	-0.7	-0.7	—	0.5	-0.6	-0.6	-0.3	0.3	-0.5	-0.3
<b>2017</b>										
Mar Qtr	-0.8	-0.7	-1.5	-1.1	-0.8	-0.8	2.5	2.5	0.1	0.3
Jun Qtr	-0.8	-0.7	-2.4	-2.3	-0.9	-0.9	3.7	3.8	0.4	0.7
Sep Qtr	-0.8	-0.7	-2.5	-2.6	-1.0	-1.0	2.8	2.9	0.1	0.4
Dec Qtr	-0.6	-0.5	-2.0	-2.0	-0.7	-0.7	2.8	2.5	0.3	0.5

— nil or rounded to zero (including null cells)

(a) Reference year for chain volume measures is 2015-16. Refer to paragraphs 27-31 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
ORIGINAL										
<b>2014-15</b>	53 503.7	54 320.5	7 795.1	7 946.6	61 298.8	62 267.1	28 456.1	36 868.6	89 754.9	99 135.7
<b>2015-16</b>	62 102.5	63 077.2	8 358.6	8 498.0	70 461.1	71 575.2	29 864.4	37 527.0	100 325.5	109 102.2
<b>2016-17</b>	65 581.6	66 395.2	8 775.5	8 978.8	74 357.0	75 374.0	28 609.8	37 766.1	102 966.8	113 140.2
<b>2016</b>										
Sep Qtr	16 788.0	16 992.3	2 223.4	2 258.9	19 011.4	19 251.2	6 906.4	9 220.7	25 917.8	28 471.9
Dec Qtr	16 947.1	17 149.7	2 438.6	2 468.9	19 385.6	19 618.6	7 413.1	9 626.5	26 798.7	29 245.0
<b>2017</b>										
Mar Qtr	15 219.6	15 404.7	1 872.8	1 939.8	17 092.4	17 344.6	6 753.7	8 855.6	23 846.1	26 200.2
Jun Qtr	16 626.9	16 848.5	2 240.7	2 311.2	18 867.6	19 159.7	7 536.6	10 063.4	26 404.2	29 223.0
Sep Qtr	17 234.9	17 477.4	2 122.5	2 156.6	19 357.4	19 634.0	8 057.8	10 578.8	27 415.2	30 212.9
Dec Qtr	16 599.1	16 818.9	2 303.7	2 358.9	18 902.8	19 177.8	8 512.5	11 174.4	27 415.3	30 352.2
SEASONALLY ADJUSTED										
<b>2016</b>										
Sep Qtr	16 183.5	16 372.1	2 173.2	2 208.8	18 356.7	18 580.8	6 664.9	8 895.3	25 021.6	27 476.2
Dec Qtr	16 694.3	16 899.7	2 235.7	2 272.2	18 930.0	19 171.8	7 063.5	9 207.7	25 993.5	28 379.5
<b>2017</b>										
Mar Qtr	16 291.8	16 494.2	2 124.4	2 188.3	18 416.2	18 682.5	7 423.9	9 741.3	25 840.1	28 423.9
Jun Qtr	16 402.5	16 618.4	2 227.0	2 289.4	18 629.4	18 907.8	7 492.1	9 960.2	26 121.5	28 868.0
Sep Qtr	16 634.6	16 860.8	2 079.1	2 113.7	18 713.7	18 974.5	7 804.3	10 232.7	26 518.0	29 207.2
Dec Qtr	16 341.3	16 564.3	2 110.5	2 177.3	18 451.7	18 741.6	8 091.3	10 675.5	26 543.1	29 417.1
TREND										
<b>2016</b>										
Sep Qtr	16 429.4	16 634.0	2 181.8	2 215.5	18 611.2	18 849.5	7 008.6	9 190.0	25 619.9	28 039.5
Dec Qtr	16 437.3	16 635.5	2 198.5	2 244.1	18 635.8	18 879.7	7 045.4	9 283.5	25 681.2	28 163.2
<b>2017</b>										
Mar Qtr	16 448.1	16 653.2	2 186.4	2 240.3	18 634.5	18 893.5	7 271.3	9 577.1	25 905.8	28 470.6
Jun Qtr	16 459.1	16 674.4	2 158.2	2 213.1	18 617.2	18 887.5	7 572.6	9 977.5	26 189.8	28 864.9
Sep Qtr	16 458.7	16 680.5	2 126.9	2 180.5	18 585.6	18 861.0	7 804.4	10 295.2	26 390.0	29 156.2
Dec Qtr	16 481.4	16 708.3	2 102.9	2 156.3	18 584.3	18 864.6	8 039.0	10 588.6	26 623.3	29 453.2

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>2014–15</b>	16.4	16.0	7.2	6.7	15.1	14.7	10.6	2.1	13.7	9.7
<b>2015–16</b>	16.1	16.1	7.2	6.9	14.9	14.9	4.9	1.8	11.8	10.1
<b>2016–17</b>	5.6	5.3	5.0	5.7	5.5	5.3	-4.2	0.6	2.6	3.7
<b>2016</b>										
Sep Qtr	1.2	1.0	2.7	2.8	1.3	1.2	-8.6	-5.6	-1.5	-1.1
Dec Qtr	0.9	0.9	9.7	9.3	2.0	1.9	7.3	4.4	3.4	2.7
<b>2017</b>										
Mar Qtr	-10.2	-10.2	-23.2	-21.4	-11.8	-11.6	-8.9	-8.0	-11.0	-10.4
Jun Qtr	9.2	9.4	19.6	19.1	10.4	10.5	11.6	13.6	10.7	11.5
Sep Qtr	3.7	3.7	-5.3	-6.7	2.6	2.5	6.9	5.1	3.8	3.4
Dec Qtr	-3.7	-3.8	8.5	9.4	-2.3	-2.3	5.6	5.6	—	0.5
SEASONALLY ADJUSTED										
<b>2016</b>										
Sep Qtr	-1.2	-1.4	0.8	1.1	-1.0	-1.1	-11.3	-8.1	-4.0	-3.5
Dec Qtr	3.2	3.2	2.9	2.9	3.1	3.2	6.0	3.5	3.9	3.3
<b>2017</b>										
Mar Qtr	-2.4	-2.4	-5.0	-3.7	-2.7	-2.6	5.1	5.8	-0.6	0.2
Jun Qtr	0.7	0.8	4.8	4.6	1.2	1.2	0.9	2.2	1.1	1.6
Sep Qtr	1.4	1.5	-6.6	-7.7	0.5	0.4	4.2	2.7	1.5	1.2
Dec Qtr	-1.8	-1.8	1.5	3.0	-1.4	-1.2	3.7	4.3	0.1	0.7
TREND										
<b>2016</b>										
Sep Qtr	1.0	0.9	1.9	2.0	1.1	1.1	-2.7	-1.1	0.1	0.3
Dec Qtr	—	—	0.8	1.3	0.1	0.2	0.5	1.0	0.2	0.4
<b>2017</b>										
Mar Qtr	0.1	0.1	-0.6	-0.2	—	0.1	3.2	3.2	0.9	1.1
Jun Qtr	0.1	0.1	-1.3	-1.2	-0.1	—	4.1	4.2	1.1	1.4
Sep Qtr	—	—	-1.5	-1.5	-0.2	-0.1	3.1	3.2	0.8	1.0
Dec Qtr	0.1	0.2	-1.1	-1.1	—	—	3.0	2.9	0.9	1.0

— nil or rounded to zero (including null cells)

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## RELATIVE STANDARD ERRORS, Total construction work done - States and Territories

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.		
	%	%	%	%	%	%	%	%	Private %	Public %	Total %
SEPTEMBER QUARTER 2017											
Building work done	1.3	1.7	1.8	1.9	1.6	1.7	2.0	2.1	0.9	1.5	0.8
Engineering work done	2.8	2.1	1.5	3.2	0.5	3.2	3.0	3.6	0.5	1.7	0.6
Construction work done	1.3	1.4	1.2	1.9	0.5	1.7	2.6	1.8	0.5	1.4	0.5
DECEMBER QUARTER 2017											
Building work done	1.2	1.7	1.9	1.8	1.6	1.6	1.5	5.3	0.8	1.6	0.8
Engineering work done	2.3	2.4	1.5	2.9	1.8	2.8	0.8	4.6	1.1	1.4	0.8
Construction work done	1.1	1.4	1.2	1.7	1.3	1.5	0.7	4.3	0.7	1.1	0.6

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## RELATIVE STANDARD ERRORS, Building work done - Australia

	Private	Total
	%	%
SEPTEMBER QUARTER 2017		
New residential building	1.1	1.0
Alterations and additions	1.9	1.9
Residential building	1.0	0.9
Non-residential building	1.8	1.4
<b>Total building</b>	<b>0.9</b>	<b>0.8</b>
DECEMBER QUARTER 2017		
New residential building	1.0	1.0
Alterations and additions	1.8	1.8
Residential building	0.9	0.9
Non-residential building	1.7	1.4
<b>Total building</b>	<b>0.8</b>	<b>0.8</b>

# EXPLANATORY NOTES

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## 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 85% 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 all approved building activity involving the construction of new buildings or structural alterations, extensions or other additions made to existing buildings. Maintenance work is excluded but major repairs involving partial demolition and reconstruction are included.

**3** As of the September quarter 2012, the survey consists of:

- an indirect, modelled component comprising residential building work with approval values from \$10,000 to less than \$50,000 and non-residential building work with approval values from \$50,000 to less than \$250,000. The contributions from these building jobs are modelled based on their building approval details.
- a direct collection of all identified building work having approval values of \$5,000,000 or more.
- a sample survey, selected from other identified building work.

**4** For any particular quarter the Building Activity Survey includes newly selected jobs appearing in the survey for the first time and all incomplete building jobs which were selected in previous quarters. New selections are drawn from building jobs approved in the 3 month period prior to the last month in the quarter (e.g. up to the end of August for new selections in the September quarter survey) using the rules presented in paragraph 3, and any jobs otherwise identified to have commenced with approval values in excess of \$5 million, irrespective of the approval month. This may result in some jobs both approved and commencing in the last month of the quarter being shown as commencements in the following quarter.

**5** The scope of the Engineering Construction Survey is all engineering construction activity undertaken in Australia. This incorporates all construction activity except the construction of new buildings or structural alterations, extensions or other additions made to existing buildings. Maintenance work is excluded but major repairs involving partial demolition and reconstruction are included. Since Engineering Construction Survey and Building Activity Survey are activity-based, there are a number of conceptual differences with other ABS surveys. For more information, see feature article "Mining Investment in ABS Publications" which was released with publication Private New Capital Expenditure and Expected Expenditure, Australia, March 2012 (cat. no. 5625.0).

**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

## EXPLANATORY NOTES *continued*

### SCOPE AND COVERAGE

*continued*

subdivision of the *Australian and New Zealand Standard Industrial 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) 2008* (cat. no. 1218.0).

### RELATIONSHIP WITH NATIONAL ACCOUNTS

**8** Data on the value of work done on the construction of new private sector residential buildings, alterations and additions to private sector residential buildings, private sector non-residential buildings and the value of private sector 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 2008 edition of the international statistical standard System of National Accounts (SNA08).

**10** SNA08 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 SNA08 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* ('residential' and 'non-residential') and by the *Type of work* involved ('new' and 'alterations and additions'). For residential buildings these classifications are used in conjunction with each other. The classes are defined in the Glossary.

### RELIABILITY OF THE ESTIMATES

**17** The estimates of both building activity and engineering activity are based on sample surveys. Because data are not collected for all building jobs nor for all engineering 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** Estimates presented in the tables are subject to sampling error arising from the inclusion of a sample only; that is, they may differ from the figures that would have been obtained if all eligible building jobs and engineering businesses had been included in the surveys. The likely differences due to the sampling process can be characterised by the standard error (SE) of the estimate. To more easily determine the relative quality of an estimate or to compare the quality of different estimates, the relative standard error (RSE), which is obtained by expressing the SE as a percentage of the corresponding estimate, is commonly used. There are about two chances in three that an estimate from a sample of a group will differ by less than one RSE of the figure that would have been obtained if the entire group were surveyed, and about nineteen chances in twenty that the difference will be less than two RSEs of the estimate. Estimated RSEs for the value of work done in this quarter are given in tables 15 and 16 of this publication.

### 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 March 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

## EXPLANATORY NOTES *continued*

### SEASONAL ADJUSTMENT

*continued*

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 24 and 25 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).

### 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'.

**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.

**30** Chain volume measures do not, in general, sum exactly to the extrapolated total value of the components. Further information on the nature and concepts of chain volume measures is contained in the *ABS Information Paper: Australian National Accounts, Introduction of Chain Volume and Price Indexes* (cat. no. 5248.0).

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

### ACKNOWLEDGMENT

**32** 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

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



## EXPLANATORY NOTES *continued*

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### RELATED PRODUCTS *continued*

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

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

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

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

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

*Housing Finance, Australia*, cat. no. 5609.0

*Private Sector Construction Industry, Australia*, cat. no. 8772.0

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

### ABS DATA AVAILABLE ON REQUEST

**35** 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. The ABS Privacy Policy outlines how the ABS will handle any personal information that you provide to us.

## EXPLANATORY NOTES *continued*

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### 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
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, states and territories, chain volume measures	3	8	September 1986
Construction work done, states and territories, chain volume measures, change from previous period	4	n.a.	..
Construction work done, states and territories, chain volume measures, original	5	8	September 1974
Construction work done, states and territories, chain volume measures, original, change from previous period	6	n.a.	..
Construction work done, current prices	7	2	March 1957
Construction work done, current prices, change from previous period	8	n.a.	..
Construction work done, states and territories, current prices, original	9	9	March 1957
Construction work done, states and territories, current prices, original, change from previous period	10	n.a.	..
Value of building work done, chain volume measures	11	3	September 1974
Value of building work done, chain volume measures, states and territories, original	11	4	September 1974
Value of building work done, chain volume measures, states and territories, seasonally adjusted	11	5	September 1974
Value of building work done, chain volume measures, change from previous period	12	n.a.	..
Value of building work done, current prices, Australia	13	6	March 1957
Value of building work done, current prices, states and territories	13	7	September 1958
Value of building work done, current prices, change from previous period	14	n.a.	..

### DATA CUBES

	<i>Publication table no.</i>	<i>Electronic table no.</i>	<i>Start date</i>
Relative standard errors, total construction work done - states and territories	15	Datacube	..
Relative standard errors, building work done - Australia	16	Datacube	..
Relative standard errors, building work done - states and territories	na	Datacube	..

## GLOSSARY

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<b>Alterations and additions</b>	Refer to Type of work. The term ' <i>Alterations and additions</i> ' in tables 11, 12, 13, 14 and 16 refers to alterations and additions to residential buildings only.
<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>Building work done</b>	The <i>Value of building work done</i> including only work carried out during the quarter
<b>Construction work done</b>	The sum of <i>building work done</i> and <i>engineering work done</i> .
<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>Engineering work done</b>	The <i>Value of engineering work done</i> including only work carried out during the quarter
<b>New</b>	Refer to Type of Work.
<b>Non-residential building</b>	Refer to Type of Building.
<b>Residential building</b>	Refer to Type of Building.
<b>Type of building</b>	Buildings are classified as either: <ul style="list-style-type: none"><li>■ <i>Residential building</i><p>A residential building is a building consisting of one or more dwelling units. Residential buildings can be either houses or other residential buildings.</p><ul style="list-style-type: none"><li>■ A <i>house</i> is a detached building primarily used for long term residential purposes. It consists of one dwelling unit. For instance, detached 'granny flats' and detached dwelling units (e.g. caretaker's residences) associated with a non-residential building are defined as houses. Also includes 'cottages', 'bungalows' and rectories.</li><li>■ An <i>other residential building</i> is a building other than a house primarily used for long-term residential purposes. An other residential building contains more than one dwelling unit. Other residential buildings are coded to the following categories: semidetached, row or terrace house or townhouse with one storey; semidetached, row or terrace house or townhouse with two or more storeys; flat, unit or apartment in a building of one or two storeys; flat, unit or apartment in a building of three storeys; flat, unit or apartment in a building of four or more storeys; flat, unit or apartment attached to a house; other/number of storeys unknown.</li></ul></li><li>■ <i>Non-residential building</i><p>A non-residential building is primarily intended for purposes other than long term residential purposes. Note that, on occasions, one or more dwelling units may be created through non-residential building activity. The value of these dwelling units cannot be separated out from that of the non-residential building which they are part of, therefore the value associated with these remain in the appropriate non-residential category.</p><p>Non-residential building's are further classified by their functional use at time of approval.</p></li></ul>
<b>Type of work</b>	The <i>Type of Work</i> classification refers to building activity approved to be carried out and

## GLOSSARY *continued*

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**Type of work *continued***

consists of:

*Alterations and additions*

Building activity carried out on existing buildings excluding conversions.

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. Total alterations and additions includes the conversion of non-residential buildings to residential buildings.

*New*

Building activity which will result in the creation of a building which previously did not exist.

**Value of building work done**

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.

**Value of engineering work done**

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.





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