## CONSTRUCTION WORK DONE

Value of construction work done
Chain volume measures
Trend estimates


Dec Dec Dec Dec Dec 20032005200720092011

Value of building work done
Chain volume measures
Trend estimates


Dec Dec Dec Dec Dec
20032005200720092011

I N Q U I R I ES

For further information about these and related statistics, contact the National Information and Referral Service on 1300135070.

EMBARGO: 11.30AM (CANBERRA TIME) WED 29 FEB 2012

## KEY FIGURES

|  | $\begin{array}{r} \text { Dec qtr } 11 \\ \$ m \end{array}$ | Sep qtr 11 to Dec qtr 11 \% change | Dec qtr 10 to Dec qtr 11 \% change |
| :---: | :---: | :---: | :---: |
| TREND ESTIMATES (a) |  |  |  |
| Value of work done |  |  |  |
| Building | 19038.1 | -1.5 | -8.0 |
| Residential | 11144.5 | -2.1 | -6.6 |
| Non-residential | 7897.1 | -0.6 | -9.8 |
| Engineering | 27199.7 | 5.2 | 33.6 |
| Total construction | 46343.4 | 2.6 | 12.9 |

## SEASONALLY ADJUSTED ESTIMATES(a)

Value of work done

| Building | 18843.8 | -4.0 | -8.6 |
| :--- | ---: | ---: | ---: |
| $\quad 11160.2$ | -1.8 | -6.0 |  |
| Residential | 7683.6 | -7.0 | -12.2 |
| Non-residential | 26275.2 | -5.0 | 27.1 |
| Engineering | $\mathbf{4 5} 119.1$ | $\mathbf{- 4 . 6}$ | $\mathbf{9 . 2}$ |

(a) Chain volume measures, reference year 2009-10.

## KEY POINTS

## VALUE OF WORK DONE, CHAIN VOLUME MEASURES

## TOTAL CONSTRUCTION

- The trend estimate for total construction work done rose $2.6 \%$ in the December quarter 2011.
- The seasonally adjusted estimate for total construction work done fell $4.6 \%$, to $\$ 45,119.1 \mathrm{~m}$ in the December quarter.


## BUILDING WORK DONE

- The trend estimate for total building work done fell $1.5 \%$ in the December quarter.
- The trend estimate for non-residential building work done fell $0.6 \%$ in the December quarter.
- The seasonally adjusted estimate of total building work done fell $4.0 \%$, to $\$ 18,843.8 \mathrm{~m}$, in the December quarter.


## ENGINEERING WORK DONE

- The trend estimate for engineering work done rose $5.2 \%$ in the December quarter.
- The seasonally adjusted estimate for engineering work done fell $5.0 \%$, to $\$ 26,275.2 \mathrm{~m}$, in the December quarter.

FORTHCOMING ISSUES

ABOUT THIS ISSUE

CHANGES IN THIS ISSUE

DATA NOTES

| ISSUE (Quarter) | RELEASE DATE |
| :--- | :--- |
| March 2012 | 30 May 2012 |
| June 2012 | 29 August 2012 |

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 5 April 2012 and in Building Activity, Australia (cat. no. 8752.0) on 18 April 2012.

There are no changes in this issue.

The trend estimates should be interpreted with caution as the underlying behaviour of building activity may be affected by Government stimulus packages, including the "Building the Education Revolution" (BER) program and Social Housing Initiatives as well as other developments associated with global economic conditions. Re-construction work, following the Queensland and Victorian floods in early 2011 may also have an impact. 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.

Brian Pink<br>Australian Statistician

## TREND PERCENTAGE CHANGE

TOTAL CONSTRUCTION


## ENGINEERING

BUILDING

RESIDENTIAL


NON-RESIDENTIAL


The trend estimate for total construction work done has risen $2.6 \%$ this quarter and has risen for ten quarters.

The trend estimate for engineering construction work done rose $5.2 \%$ and has risen for seven quarters.

The trend estimate for total building work done fell $1.5 \%$ this quarter and has fallen for six quarters.

The trend estimate for residential building work done fell $2.1 \%$ and has fallen for five quarters.

The trend estimate for non-residential building work done fell $0.6 \%$ and has fallen for six quarters.


QUEENSLAND
WESTERN AUSTRALIA


SOUTH AUSTRALIA
TASMANIA

NORTHERN TERRITORY
AUSTRALIAN CAPITAL
TERRITORY

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

Construction work done in Victoria is now showing rises for three quarters.

Construction work done in
Queensland has risen for eight quarters.

Construction work done in Western Australia has risen for four quarters.

Construction work done in South Australia has fallen for two quarters.

Construction work done in Tasmania has fallen for six quarters.

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

Construction work done in the Australian Capital Territory has fallen for four quarters.

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|  | BUILDING WORK DONE |  |  | ENGINEERING WORK DONE |  |  | CONSTRUCTION WORK DONE |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Private | Public | Total | Private | Public | Total | Private | Public | Total |
| Period | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| ORIGINAL |  |  |  |  |  |  |  |  |  |
| 2008-09 | 69472.8 | 8261.2 | 77509.6 | 47149.1 | 27403.5 | 74574.7 | 116587.8 | 35570.2 | 152094.1 |
| 2009-10 | 64531.5 | 16446.1 | 80977.6 | 46324.4 | 29668.5 | 75992.9 | 110855.9 | 46114.6 | 156970.5 |
| 2010-11 | 64103.9 | 17229.4 | 81333.4 | 54723.9 | 29987.1 | 84711.0 | 118827.8 | 47216.6 | 166044.4 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 16899.8 | 5267.8 | 22167.6 | 11648.7 | 6733.5 | 18382.2 | 28548.4 | 12001.3 | 40549.7 |
| Dec Qtr | 16528.9 | 4833.5 | 21362.4 | 14209.4 | 7302.7 | 21512.1 | 30738.3 | 12136.2 | 42874.5 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 14607.4 | 3573.5 | 18180.9 | 13205.6 | 7144.1 | 20349.7 | 27813.0 | 10717.6 | 38530.6 |
| Jun Qtr | 16067.8 | 3554.7 | 19622.5 | 15660.3 | 8806.8 | 24467.1 | 31728.1 | 12361.5 | 44089.6 |
| Sep Qtr | 17250.6 | 3252.0 | 20502.7 | 19907.6 | 7132.2 | 27039.8 | 37158.2 | 10384.2 | 47542.4 |
| Dec Qtr | 16312.7 | 3237.8 | 19550.5 | 19848.7 | 7542.4 | 27391.1 | 36161.4 | 10780.2 | 46941.6 |
| SEASONALLY ADJUSTED |  |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 16089.6 | 5202.1 | 21288.7 | 11776.2 | 7108.6 | 18884.8 | 27865.8 | 12310.7 | 40173.5 |
| Dec Qtr | 15937.9 | 4690.8 | 20626.9 | 13415.9 | 7262.4 | 20678.3 | 29353.8 | 11953.2 | 41305.2 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 16099.8 | 3848.7 | 19950.2 | 14624.7 | 7651.8 | 22276.5 | 30724.5 | 11500.5 | 42226.7 |
| Jun Qtr | 15976.7 | 3487.9 | 19467.6 | 14907.1 | 7964.3 | 22871.4 | 30883.8 | 11452.1 | 42339.0 |
| Sep Qtr | 16416.0 | 3221.4 | 19631.7 | 20103.8 | 7556.2 | 27660.0 | 36519.8 | 10777.5 | 47291.7 |
| Dec Qtr | 15729.9 | 3119.5 | 18843.8 | 18730.0 | 7545.2 | 26275.2 | 34459.9 | 10664.7 | 45119.1 |
| TREND |  |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 16268.0 | 5169.9 | 21442.6 | 12266.0 | 7184.2 | 19450.4 | 28534.3 | 12358.0 | 40891.7 |
| Dec Qtr | 16046.4 | 4638.4 | 20684.2 | 13014.4 | 7344.1 | 20358.7 | 29060.9 | 11982.6 | 41042.8 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 16015.4 | 3990.8 | 20006.1 | 14428.5 | 7622.5 | 22050.9 | 30443.9 | 11612.7 | 42057.3 |
| Jun Qtr | 16117.4 | 3521.8 | 19642.2 | 16327.0 | 7745.7 | 24071.8 | 32433.8 | 11266.6 | 43702.8 |
| Sep Qtr | 16095.5 | 3240.2 | 19334.1 | 18160.0 | 7693.4 | 25853.2 | 34250.5 | 10933.4 | 45182.1 |
| Dec Qtr | 15978.7 | 3081.1 | 19038.1 | 19633.7 | 7571.1 | 27199.7 | 35722.5 | 10647.2 | 46343.4 |

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CONSTRUCTION WORK DONE, Current prices

|  | BUILDING WORK DONE |  |  | ENGINEERING WORK DONE |  |  | CONSTRUCTION WORK DONE |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Private | Public | Total | Private | Public | Total | Private | Public | Total |
| Period | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
|  | ORIGINAL |  |  |  |  |  |  |  |  |
| 2008-09 | 69679.0 | 8534.3 | 78213.3 | 48316.2 | 27717.8 | 76033.9 | 117995.2 | 36252.0 | 154247.2 |
| 2009-10 | 64531.5 | 16446.1 | 80977.6 | 46324.3 | 29668.5 | 75992.8 | 110855.8 | 46114.6 | 156970.4 |
| 2010-11 | 65766.8 | 17531.9 | 83298.6 | 55142.6 | 30839.4 | 85982.0 | 120909.4 | 48371.3 | 169280.7 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 17203.7 | 5334.8 | 22538.6 | 11720.2 | 6835.1 | 18555.3 | 28923.9 | 12169.9 | 41093.8 |
| Dec Qtr | 16940.4 | 4923.1 | 21863.5 | 14288.8 | 7451.1 | 21739.8 | 31229.2 | 12374.2 | 43603.4 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 14999.6 | 3632.3 | 18631.9 | 13285.6 | 7340.6 | 20626.2 | 28285.2 | 10972.9 | 39258.1 |
| Jun Qtr | 16623.0 | 3641.6 | 20264.6 | 15848.0 | 9212.7 | 25060.7 | 32471.0 | 12854.4 | 45325.3 |
| Sep Qtr | 17843.0 | 3330.0 | 21172.9 | 20167.5 | 7471.6 | 27639.1 | 38010.4 | 10801.6 | 48812.0 |
| Dec Qtr | 16906.7 | 3319.5 | 20226.2 | 20293.4 | 7994.6 | 28288.0 | 37200.1 | 11314.1 | 48514.2 |
|  | SEASONALLY ADJUSTED |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 16386.4 | 5267.6 | 21653.9 | 11858.1 | 7210.7 | 19068.8 | 28244.4 | 12478.3 | 40722.7 |
| Dec Qtr | 16337.5 | 4764.4 | 21101.9 | 13501.3 | 7394.3 | 20895.6 | 29838.7 | 12158.7 | 41997.5 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 16530.7 | 3895.3 | 20426.0 | 14724.0 | 7838.7 | 22562.8 | 31254.8 | 11734.0 | 42988.8 |
| Jun Qtr | 16525.8 | 3554.9 | 20080.7 | 15096.4 | 8305.0 | 23401.5 | 31622.2 | 11860.0 | 43482.1 |
| Sep Qtr | 16993.1 | 3310.8 | 20304.0 | 20379.8 | 7886.0 | 28265.8 | 37373.0 | 11196.8 | 48569.8 |
| Dec Qtr | 16315.3 | 3210.3 | 19525.6 | 19162.7 | 7968.4 | 27131.1 | 35478.0 | 11178.7 | 46656.7 |
|  | TREND |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 16549.8 | 5227.5 | 21777.2 | 12305.5 | 7275.9 | 19581.4 | 28855.3 | 12503.4 | 41358.7 |
| Dec Qtr | 16428.4 | 4700.0 | 21128.4 | 13098.4 | 7487.1 | 20585.5 | 29526.8 | 12187.1 | 41713.9 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 16480.2 | 4053.5 | 20533.6 | 14548.0 | 7835.2 | 22383.2 | 31028.2 | 11888.7 | 42916.9 |
| Jun Qtr | 16640.8 | 3589.9 | 20230.7 | 16505.1 | 8036.8 | 24542.0 | 33145.9 | 11626.7 | 44772.6 |
| Sep Qtr | 16665.9 | 3321.4 | 19987.4 | 18447.4 | 8053.3 | 26500.8 | 35113.4 | 11374.8 | 46488.2 |
| Dec Qtr | 16577.0 | 3176.2 | 19753.2 | 20148.6 | 7975.1 | 28123.7 | 36725.6 | 11151.3 | 47876.9 |


|  | BUILDING WORK DONE |  |  | ENGINEERING WORK DONE |  |  | CONSTRUCTION WORK DONE |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Private | Public | Total | Private | Public | Total | Private | Public | Total |
| Period | \% | \% | \% | \% | \% | \% | \% | \% | \% |
|  | ORIGINAL |  |  |  |  |  |  |  |  |
| 2008-09 | 2.7 | 15.0 | 3.9 | 24.0 | 25.2 | 24.4 | 10.5 | 22.6 | 13.1 |
| 2009-10 | -7.4 | 92.7 | 3.5 | -4.1 | 7.0 | -0.1 | -6.1 | 27.2 | 1.8 |
| 2010-11 | 1.9 | 6.6 | 2.9 | 19.0 | 3.9 | 13.1 | 9.1 | 4.9 | 7.8 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 1.0 | -1.9 | 0.3 | -5.7 | -15.6 | -9.6 | -1.8 | -10.1 | -4.4 |
| Dec Qtr | -1.5 | -7.7 | -3.0 | 21.9 | 9.0 | 17.2 | 8.0 | 1.7 | 6.1 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -11.5 | -26.2 | -14.8 | -7.0 | -1.5 | -5.1 | -9.4 | -11.3 | -10.0 |
| Jun Qtr | 10.8 | 0.3 | 8.8 | 19.3 | 25.5 | 21.5 | 14.8 | 17.1 | 15.5 |
| Sep Qtr | 7.3 | -8.6 | 4.5 | 27.3 | -18.9 | 10.3 | 17.1 | -16.0 | 7.7 |
| Dec Qtr | -5.2 | -0.3 | -4.5 | 0.6 | 7.0 | 2.3 | -2.1 | 4.7 | -0.6 |
|  | SEASONALLY ADJUSTED |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -3.2 | -1.0 | -2.7 | 0.3 | -1.2 | -0.3 | -1.8 | -1.1 | -1.6 |
| Dec Qtr | -0.3 | -9.6 | -2.5 | 13.9 | 2.5 | 9.6 | 5.6 | -2.6 | 3.1 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 1.2 | -18.2 | -3.2 | 9.1 | 6.0 | 8.0 | 4.7 | -3.5 | 2.4 |
| Jun Qtr | - | -8.7 | -1.7 | 2.5 | 5.9 | 3.7 | 1.2 | 1.1 | 1.1 |
| Sep Qtr | 2.8 | -6.9 | 1.1 | 35.0 | -5.0 | 20.8 | 18.2 | -5.6 | 11.7 |
| Dec Qtr | -4.0 | -3.0 | -3.8 | -6.0 | 1.0 | -4.0 | -5.1 | -0.2 | -3.9 |
|  | TREND |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 0.1 | -0.6 | -0.1 | 6.3 | 0.3 | 4.0 | 2.7 | -0.1 | 1.8 |
| Dec Qtr | -0.7 | -10.1 | -3.0 | 6.4 | 2.9 | 5.1 | 2.3 | -2.5 | 0.9 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 0.3 | -13.8 | -2.8 | 11.1 | 4.6 | 8.7 | 5.1 | -2.4 | 2.9 |
| Jun Qtr | 1.0 | -11.4 | -1.5 | 13.5 | 2.6 | 9.6 | 6.8 | -2.2 | 4.3 |
| Sep Qtr | 0.2 | -7.5 | -1.2 | 11.8 | 0.2 | 8.0 | 5.9 | -2.2 | 3.8 |
| Dec Qtr | -0.5 | -4.4 | -1.2 | 9.2 | -1.0 | 6.1 | 4.6 | -2.0 | 3.0 |


(a) Reference year for chain volume measures is 2009-10. Refer to paragraphs 27-31 of the Explanatory Notes.

|  | NEW <br> RESIDENTIAL <br> BUILDING |  | ALTERATIONS <br> AND <br> ADDITIONS |  | RESIDENTIAL BUILDING |  | NON-RESIDENTIAL BUILDING |  | TOTAL BUILDING |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Private | Total | Private | Total | Private | Total | Private | Total | Private | Total |
| Period | \% | \% | \% | \% | \% | \% | \% | \% | \% | \% |
|  | ORIGINAL |  |  |  |  |  |  |  |  |  |
| 2008-09 | - | -0.2 | -3.8 | -3.8 | -0.6 | -0.7 | -0.2 | 2.9 | -0.4 | 0.8 |
| 2009-10 | -0.5 | 3.0 | -1.8 | -1.8 | -0.7 | 2.3 | -17.9 | 7.3 | -7.1 | 4.5 |
| 2010-11 | 0.8 | 2.0 | 4.6 | 4.7 | 1.4 | 2.4 | -4.9 | -2.1 | -0.7 | 0.4 |
| 2010 |  |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -1.3 | -1.5 | 6.4 | 4.6 | -0.2 | -0.6 | 0.5 | -0.8 | - | -0.7 |
| Dec Qtr | -1.7 | -2.6 | 5.1 | 5.5 | -0.7 | -1.4 | -5.5 | -6.4 | -2.2 | -3.6 |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -8.0 | -10.0 | -18.9 | -17.7 | -9.8 | -11.2 | -15.8 | -19.9 | -11.6 | -14.9 |
| Jun Qtr | 6.3 | 5.5 | 15.0 | 15.2 | 7.6 | 7.0 | 15.8 | 9.4 | 10.0 | 7.9 |
| Sep Qtr | 3.7 | 2.5 | 7.5 | 6.4 | 4.3 | 3.1 | 14.3 | 6.5 | 7.4 | 4.5 |
| Dec Qtr | -4.6 | -5.0 | 0.7 | 0.7 | -3.7 | -4.0 | -8.9 | -5.5 | -5.4 | -4.6 |

SEASONALLY ADJUSTED

| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Sep Qtr | -6.1 | -6.2 | 0.3 | -0.5 | -5.1 | -5.4 | -2.1 | -1.4 | -4.2 | -3.6 |
| Dec Qtr | 1.5 | 0.8 | 0.6 | 1.3 | 1.4 | 0.9 | -5.8 | -8.1 | -0.9 | -3.1 |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 2.8 | 0.7 | -0.1 | 0.9 | 2.3 | 0.7 | -2.0 | -8.7 | 1.0 | -3.3 |
| Jun Qtr | -3.3 | -4.3 | 3.8 | 3.1 | -2.2 | -3.1 | 2.7 | -1.3 | -0.8 | -2.4 |
| Sep Qtr | -1.2 | -2.4 | 1.0 | 1.1 | -0.9 | -1.8 | 10.9 | 4.8 | 2.7 | 0.8 |
| Dec Qtr | -1.3 | -1.6 | -3.6 | -3.2 | -1.7 | -1.8 | -9.3 | -7.0 | -4.2 | -4.0 |

## TREND

| 2010 |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Sep Qtr | 0.4 | 0.8 | 0.1 | 0.2 | 0.3 | 0.7 | -2.5 | -2.4 | -0.6 | -0.7 |
| Dec Qtr | -0.2 | -1.1 | 0.3 | 0.6 | -0.1 | -0.9 | -4.1 | -6.9 | -1.4 | -3.5 |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -0.2 | -1.7 | 1.5 | 1.9 | 0.1 | -1.2 | -0.8 | -6.2 | -0.2 | -3.3 |
| Jun Qtr | -0.6 | -1.9 | 1.4 | 1.6 | -0.3 | -1.3 | 2.7 | -2.5 | 0.6 | -1.8 |
| Sep Qtr | -1.7 | -2.7 | 0.5 | 0.5 | -1.3 | -2.2 | 2.5 | -0.7 | -0.1 | -1.6 |
| Dec Qtr | -1.8 | -2.5 | -0.3 | -0.3 | -1.5 | -2.1 | 1.0 | -0.6 | -0.7 | -1.5 |

VALUE OF BUILDING WORK DONE, Current prices

|  | NEW RESIDENTIAL BUILDING |  | ALTERATIONS AND ADDITIONS |  | RESIDENTIAL BUILDING |  | NON-RESIDENTIAL |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | BUILDING | TOTAL BUILDING |  |
|  | Private | Total |  |  | Private | Total | Private | Total | Private | Total | Private | Total |
| Period | \$m | \$m | \$m | \$m |  |  | \$m | \$m | \$m | \$m | \$m | \$m |
| ORIGINAL |  |  |  |  |  |  |  |  |  |  |
| 2008-09 | 36901.3 | 37681.8 | 6646.8 | 6792.3 | 43548.1 | 44474.2 | 26131.0 | 33739.1 | 69679.0 | 78213.3 |
| 2009-10 | 37119.2 | 39197.4 | 6734.9 | 6877.9 | 43854.2 | 46075.4 | 20677.3 | 34902.3 | 64531.5 | 80977.6 |
| 2010-11 | 38467.2 | 41084.6 | 7247.0 | 7405.7 | 45714.2 | 48490.3 | 20052.5 | 34808.3 | 65766.8 | 83298.6 |
| 2010 |  |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9912.6 | 10792.2 | 1846.2 | 1867.1 | 11758.8 | 12659.2 | 5444.9 | 9879.3 | 17203.7 | 22538.6 |
| Dec Qtr | 9800.8 | 10572.4 | 1952.6 | 1982.1 | 11753.4 | 12554.5 | 5187.1 | 9309.0 | 16940.4 | 21863.5 |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 9055.5 | 9555.1 | 1597.4 | 1646.0 | 10652.9 | 11201.1 | 4346.7 | 7430.8 | 14999.6 | 18631.9 |
| Jun Qtr | 9698.3 | 10164.8 | 1850.8 | 1910.5 | 11549.1 | 12075.4 | 5073.9 | 8189.2 | 16623.0 | 20264.6 |
| Sep Qtr | 10062.1 | 10429.8 | 1995.0 | 2038.7 | 12057.2 | 12468.4 | 5785.8 | 8704.5 | 17843.0 | 21172.9 |
| Dec Qtr | 9600.8 | 9917.7 | 2010.3 | 2054.3 | 11611.1 | 11972.0 | 5295.6 | 8254.2 | 16906.7 | 20226.2 |

## SEASONALLY ADJUSTED

| 2010 |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Sep Qtr | 9385.8 | 10204.8 | 1770.6 | 1793.3 | 11156.4 | 11998.1 | 5230.0 | 9655.8 | 16386.4 | 21653.9 |
| Dec Qtr | 9586.3 | 10349.2 | 1791.4 | 1826.7 | 11377.7 | 12175.9 | 4959.8 | 8926.0 | 16337.5 | 21101.9 |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 9892.5 | 10456.4 | 1803.6 | 1857.8 | 11696.1 | 12314.2 | 4834.6 | 8111.8 | 16530.7 | 20426.0 |
| Jun Qtr | 9636.4 | 10088.5 | 1885.8 | 1929.8 | 11522.2 | 12018.3 | 5003.5 | 8062.4 | 16525.8 | 20080.7 |
| Sep Qtr | 9523.7 | 9868.9 | 1912.4 | 1960.1 | 11436.1 | 11829.0 | 5557.1 | 8475.0 | 16993.1 | 20304.0 |
| Dec Qtr | 9405.7 | 9717.6 | 1844.9 | 1898.5 | 11250.6 | 11616.1 | 5064.6 | 7909.5 | 16315.3 | 19525.6 |


| TREND |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 |  |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9616.6 | 10456.7 | 1771.6 | 1803.0 | 11388.1 | 12259.8 | 5161.6 | 9517.5 | 16549.8 | 21777.2 |
| Dec Qtr | 9666.5 | 10409.3 | 1788.4 | 1825.7 | 11455.0 | 12234.9 | 4973.5 | 8893.5 | 16428.4 | 21128.4 |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 9704.6 | 10292.9 | 1828.9 | 1873.4 | 11533.5 | 12166.3 | 4946.7 | 8367.3 | 16480.2 | 20533.6 |
| Jun Qtr | 9682.5 | 10140.8 | 1866.6 | 1915.1 | 11549.2 | 12055.8 | 5091.6 | 8174.9 | 16640.8 | 20230.7 |
| Sep Qtr | 9544.3 | 9905.4 | 1884.3 | 1933.6 | 11428.6 | 11839.0 | 5237.3 | 8148.4 | 16665.9 | 19987.4 |
| Dec Qtr | 9383.0 | 9681.8 | 1883.7 | 1934.0 | 11266.7 | 11615.8 | 5310.3 | 8137.4 | 16577.0 | 19753.2 |


|  | NEW |  | ALTERATIONS |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | RESIDENTIAL |  | AND |  | RESIDENTIAL |  | NON-RESIDENTIAL |  | TOTAL |  |
|  | BUILDING |  | ADDITIONS |  | BUILDING |  | BUILDING |  | BUILDING |  |
|  | Private | Total | Private | Total | Private | Total | Private | Total | Private | Total |
| Period | \% | \% | \% | \% | \% | \% | \% | \% | \% | \% |
| ORIGINAL |  |  |  |  |  |  |  |  |  |  |
| 2008-09 | 3.5 | 3.3 | 0.2 | 0.2 | 3.0 | 2.8 | 2.3 | 5.4 | 2.7 | 3.9 |
| 2009-10 | 0.6 | 4.0 | 1.3 | 1.3 | 0.7 | 3.6 | -20.9 | 3.4 | -7.4 | 3.5 |
| 2010-11 | 3.6 | 4.8 | 7.6 | 7.7 | 4.2 | 5.2 | -3.0 | -0.3 | 1.9 | 2.9 |
| 2010 |  |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -0.3 | -0.4 | 7.0 | 5.2 | 0.8 | 0.4 | 1.6 | 0.3 | 1.0 | 0.3 |
| Dec Qtr | -1.1 | -2.0 | 5.8 | 6.2 | - | -0.8 | -4.7 | -5.8 | -1.5 | -3.0 |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -7.6 | -9.6 | -18.2 | -17.0 | -9.4 | -10.8 | -16.2 | -20.2 | -11.5 | -14.8 |
| Jun Qtr | 7.1 | 6.4 | 15.9 | 16.1 | 8.4 | 7.8 | 16.7 | 10.2 | 10.8 | 8.8 |
| Sep Qtr | 3.8 | 2.6 | 7.8 | 6.7 | 4.4 | 3.3 | 14.0 | 6.3 | 7.3 | 4.5 |
| Dec Qtr | -4.6 | -4.9 | 0.8 | 0.8 | -3.7 | -4.0 | -8.5 | -5.2 | -5.2 | -4.5 |

SEASONALLY ADJUSTED

## 2010

| Sep Qtr | -5.1 | -5.2 | 0.8 | - | -4.2 | -4.5 | -1.0 | -0.4 | -3.2 | -2.7 |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Dec Qtr | 2.1 | 1.4 | 1.2 | 1.9 | 2.0 | 1.5 | -5.2 | -7.6 | -0.3 | -2.5 |
| 2011 |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 3.2 | 1.0 | 0.7 | 1.7 | 2.8 | 1.1 | -2.5 | -9.1 | 1.2 | -3.2 |
| Jun Qtr | -2.6 | -3.5 | 4.6 | 3.9 | -1.5 | -2.4 | 3.5 | -0.6 | - | -1.7 |
| Sep Qtr | -1.2 | -2.2 | 1.4 | 1.6 | -0.7 | -1.6 | 11.1 | 5.1 | 2.8 | 1.1 |
| Dec Qtr | -1.2 | -1.5 | -3.5 | -3.1 | -1.6 | -1.8 | -8.9 | -6.7 | -4.0 | -3.8 |

TREND

| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Sep Qtr | 1.1 | 1.5 | 0.7 | 0.8 | 1.0 | 1.4 | -2.0 | -1.9 | 0.1 | -0.1 |
| Dec Qtr | 0.5 | -0.5 | 1.0 | 1.3 | 0.6 | -0.2 | -3.6 | -6.6 | -0.7 | -3.0 |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 0.4 | -1.1 | 2.3 | 2.6 | 0.7 | -0.6 | -0.5 | -5.9 | 0.3 | -2.8 |
| Jun Qtr | -0.2 | -1.5 | 2.1 | 2.2 | 0.1 | -0.9 | 2.9 | -2.3 | 1.0 | -1.5 |
| Sep Qtr | -1.4 | -2.3 | 0.9 | 1.0 | -1.0 | -1.8 | 2.9 | -0.3 | 0.2 | -1.2 |
| Dec Qtr | -1.7 | -2.3 | - | - | -1.4 | -1.9 | 1.4 | -0.1 | -0.5 | -1.2 |

[^1]|  | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |

## BUILDING WORK DONE

| $\mathbf{2 0 0 8 - 0 9}$ | 17897.1 | 21278.7 | 18005.3 | 4597.1 | 11401.1 | 1332.5 | 918.9 | 2014.3 | $\mathbf{7 7} \mathbf{5 0 9 . 6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009-10 | 19590.9 | 22354.3 | 17527.5 | 5154.3 | 11538.8 | 1458.9 | 961.5 | 2391.5 | $\mathbf{8 0} \mathbf{9 7 7 . 6}$ |
| 2010-11 | 19436.7 | 22976.3 | 16425.9 | 5170.8 | 12311.5 | 1467.9 | 892.0 | 2652.3 | $\mathbf{8 1} \mathbf{3 3 3 . 4}$ |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 5312.0 | 6103.5 | 4731.0 | 1392.6 | 3223.0 | 404.8 | 269.3 | 731.3 | $\mathbf{2 2} \mathbf{1 6 7 . 6}$ |
| Dec Qtr | 5120.3 | 6030.2 | 4425.6 | 1387.6 | 3104.3 | 385.9 | 234.5 | 674.0 | $\mathbf{2 1} \mathbf{3 6 2 . 4}$ |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 4575.3 | 5050.7 | 3413.9 | 1055.5 | 2931.8 | 346.7 | 192.7 | 614.3 | $\mathbf{1 8} \mathbf{1 8 0 . 9}$ |
| Jun Qtr | 4429.0 | 5791.9 | 3855.4 | 1335.1 | 3052.3 | 330.4 | 195.6 | 632.7 | $\mathbf{1 9} \mathbf{6 2 2 . 5}$ |
| Sep Qtr | 4608.1 | 6283.7 | 4064.7 | 1138.0 | 3210.4 | 320.3 | 237.9 | 639.4 | $\mathbf{2 0} \mathbf{5 0 2 . 7}$ |
| Dec Qtr | 4365.6 | 5898.7 | 3895.7 | 1177.7 | 2928.2 | 350.3 | 260.2 | 674.2 | $\mathbf{1 9 5 5 0 . 5}$ |

ENGINEERING WORK DONE

| $\mathbf{2 0 0 8 - 0 9}$ | 16066.5 | 8255.9 | 20626.3 | 3580.8 | 22080.2 | 989.0 | 2605.5 | 356.4 | $\mathbf{7 4} \mathbf{5 7 4 . 7}$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2009-10 | 16181.8 | 9538.6 | 19577.7 | 4698.9 | 23458.3 | 964.0 | 1169.2 | 404.3 | $\mathbf{7 5} 992.9$ |
| 2010-11 | 18124.5 | 10893.3 | 23560.9 | 4585.8 | 24948.0 | 930.8 | 916.3 | 751.4 | $\mathbf{8 4} \mathbf{7 1 1 . 0}$ |
| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 3777.9 | 2528.4 | 5097.9 | 887.7 | 5493.7 | 202.0 | 233.2 | 161.6 | $\mathbf{1 8} \mathbf{3 8 2 . 2}$ |
| Dec Qtr | 4797.1 | 2768.8 | 5470.3 | 1133.7 | 6691.5 | 233.0 | 227.9 | 189.8 | $\mathbf{2 1} \mathbf{5 1 2 . 1}$ |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 4361.0 | 2689.0 | 5510.2 | 1094.7 | 6030.1 | 229.4 | 236.8 | 198.4 | $\mathbf{2 0} \mathbf{3 4 9 . 7}$ |
| Jun Qtr | 5188.4 | 2907.1 | 7482.6 | 1469.7 | 6732.7 | 266.4 | 218.5 | 201.7 | $\mathbf{2 4} \mathbf{4 6 7 . 1}$ |
| Sep Qtr | 4815.5 | 2649.5 | 7433.0 | 1050.4 | 10435.6 | 176.3 | 286.4 | 193.2 | $\mathbf{2 7} \mathbf{0 3 9 . 8}$ |
| Dec Qtr | 5236.2 | 3064.4 | 8861.7 | 1253.4 | 8002.7 | 224.7 | 553.5 | 194.5 | $\mathbf{2 7} \mathbf{3 9 1 . 1}$ |

CONSTRUCTION WORK DONE

| $\mathbf{2 0 0 8 - 0 9}$ | 33974.9 | 29528.1 | 38627.1 | 8172.5 | 33478.3 | 2325.7 | 3562.8 | 2371.1 | $\mathbf{1 5 2} \mathbf{0 9 4 . 1}$ |
| :---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009-10 | 35772.6 | 31892.9 | 37105.2 | 9853.1 | 34997.1 | 2422.9 | 2130.7 | 2795.9 | $\mathbf{1 5 6} \mathbf{9 7 0 . 5}$ |
| 2010-11 | 37561.3 | 33869.5 | 39986.8 | 9756.5 | 37259.5 | 2398.6 | 1808.4 | 3403.7 | $\mathbf{1 6 6} \mathbf{0 4 4 . 4}$ |
| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9089.9 | 8631.9 | 9828.9 | 2280.2 | 8716.7 | 606.8 | 502.4 | 892.9 | $\mathbf{4 0} \mathbf{5 4 9 . 7}$ |
| Dec Qtr | 9917.5 | 8799.0 | 9895.8 | 2521.3 | 9795.8 | 618.9 | 462.4 | 863.8 | $\mathbf{4 2} \mathbf{8 7 4 . 5}$ |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 8936.4 | 7739.7 | 8924.1 | 2150.2 | 8961.9 | 576.2 | 429.5 | 812.7 | $\mathbf{3 8 5 3 0 . 6}$ |
| Jun Qtr | 9617.5 | 8699.0 | 11338.0 | 2804.8 | 9785.0 | 596.8 | 414.1 | 834.4 | $\mathbf{4 4} \mathbf{0 8 9 . 6}$ |
| Sep Qtr | 9423.6 | 8933.2 | 11497.8 | 2188.4 | 13646.0 | 496.6 | 524.3 | 832.6 | $\mathbf{4 7 5 4 2 . 4}$ |
| Dec Qtr | 9601.7 | 8963.1 | 12757.4 | 2431.1 | 10930.9 | 575.0 | 813.8 | 868.7 | $\mathbf{4 6} \mathbf{9 4 1 . 6}$ |

(a) Reference year for chain volume measures is 2009-10. Refer to paragraphs 27-31 of the Explanatory Notes.

|  | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \% | \% | \% | \% | \% | \% | \% | \% | \% |
| BUILDING WORK DONE |  |  |  |  |  |  |  |  |  |
| 2008-09 | -6.6 | 6.4 | -2.9 | 7.7 | 5.9 | 7.0 | -4.3 | 6.2 | 0.8 |
| 2009-10 | 9.5 | 5.1 | -2.7 | 12.1 | 1.2 | 9.5 | 4.6 | 18.7 | 4.5 |
| 2010-11 | -0.8 | 2.8 | -6.3 | 0.3 | 6.7 | 0.6 | -7.2 | 10.9 | 0.4 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -5.4 | -0.4 | 2.0 | -0.5 | 0.5 | 1.3 | 3.5 | 5.3 | -0.7 |
| Dec Qtr | -3.6 | -1.2 | -6.5 | -0.4 | -3.7 | -4.7 | -12.9 | -7.8 | -3.6 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -10.6 | -16.2 | -22.9 | -23.9 | -5.6 | -10.2 | -17.8 | -8.9 | -14.9 |
| Jun Qtr | -3.2 | 14.7 | 12.9 | 26.5 | 4.1 | -4.7 | 1.5 | 3.0 | 7.9 |
| Sep Qtr | 4.0 | 8.5 | 5.4 | -14.8 | 5.2 | -3.1 | 21.6 | 1.1 | 4.5 |
| Dec Qtr | -5.3 | -6.1 | -4.2 | 3.5 | -8.8 | 9.4 | 9.4 | 5.4 | -4.6 |

## ENGINEERING WORK DONE

| 2008-09 | 28.0 | 9.6 | 19.0 | 32.5 | 10.7 | 15.3 | 97.8 | -4.8 | $\mathbf{1 9 . 1}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2009-10 | 0.7 | 15.5 | -5.1 | 31.2 | 6.2 | -2.5 | -55.1 | 13.4 | $\mathbf{1 . 9}$ |
| 2010-11 | 12.0 | 14.2 | 20.3 | -2.4 | 6.4 | -3.4 | -21.6 | 85.8 | $\mathbf{1 1 . 5}$ |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -14.0 | -4.8 | 3.9 | -31.1 | -16.4 | -18.7 | -25.0 | 26.6 | $\mathbf{- 1 0 . 4}$ |
| Dec Qtr | 27.0 | 9.5 | 7.3 | 27.7 | 21.8 | 15.4 | -2.3 | 17.5 | $\mathbf{1 7 . 0}$ |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -9.1 | -2.9 | 0.7 | -3.4 | -9.9 | -1.5 | 3.9 | 4.5 | $\mathbf{- 5 . 4}$ |
| Jun Qtr | 19.0 | 8.1 | 35.8 | 34.3 | 11.7 | 16.1 | -7.7 | 1.7 | $\mathbf{2 0 . 2}$ |
| Sep Qtr | -7.2 | -8.9 | -0.7 | -28.5 | 55.0 | -33.8 | 31.1 | -4.2 | $\mathbf{1 0 . 5}$ |
| Dec Qtr | 8.7 | 15.7 | 19.2 | 19.3 | -23.3 | 27.5 | 93.3 | 0.7 | $\mathbf{1 . 3}$ |

CONSTRUCTION WORK DONE

| 2008-09 | 7.4 | 7.3 | 7.5 | 17.5 | 9.1 | 10.5 | 56.8 | 4.3 | $\mathbf{9 . 0}$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2009-10 | 5.3 | 8.0 | -3.9 | 20.6 | 4.5 | 4.2 | -40.2 | 17.9 | $\mathbf{3 . 2}$ |
| 2010-11 | 5.0 | 6.2 | 7.8 | -1.0 | 6.5 | -1.0 | -15.1 | 21.7 | $\mathbf{5 . 8}$ |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -9.1 | -1.7 | 2.9 | -15.2 | -10.9 | -6.3 | -12.0 | 8.6 | $\mathbf{- 5 . 3}$ |
| Dec Qtr | 9.1 | 1.9 | 0.7 | 10.6 | 12.4 | 2.0 | -8.0 | -3.3 | $\mathbf{5 . 7}$ |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -9.9 | -12.0 | -9.8 | -14.7 | -8.5 | -6.9 | -7.1 | -5.9 | $\mathbf{- 1 0 . 1}$ |
| Jun Qtr | 7.6 | 12.4 | 27.0 | 30.4 | 9.2 | 3.6 | -3.6 | 2.7 | $\mathbf{1 4 . 4}$ |
| Sep Qtr | -2.0 | 2.7 | 1.4 | -22.0 | 39.5 | -16.8 | 26.6 | -0.2 | $\mathbf{7 . 8}$ |
| Dec Qtr | 1.9 | 0.3 | 11.0 | 11.1 | -19.9 | 15.8 | 55.2 | 4.3 | $\mathbf{- 1 . 3}$ |

(a) Reference year for chain volume measures is 2009-10. Refer to paragraphs 27-31 of the Explanatory Notes.

|  | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ | $\$ \mathrm{~m}$ |

## BUILDING WORK DONE

| $\mathbf{2 0 0 8 - 0 9}$ | 17885.7 | 21273.5 | 18733.5 | 4568.1 | 11607.8 | 1264.5 | 884.9 | 1995.3 | $\mathbf{7 8} \mathbf{2 1 3 . 3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009-10 | 19590.9 | 22354.3 | 17527.5 | 5154.3 | 11538.8 | 1458.9 | 961.5 | 2391.5 | $\mathbf{8 0} \mathbf{9 7 7 . 6}$ |
| 2010-11 | 19878.4 | 24210.4 | 16510.4 | 5258.2 | 12283.9 | 1519.5 | 917.4 | 2720.4 | $\mathbf{8 3} \mathbf{2 9 8 . 6}$ |
| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 5368.6 | 6370.4 | 4730.1 | 1414.9 | 3219.4 | 416.3 | 274.4 | 744.4 | $\mathbf{2 2} \mathbf{5 3 8 . 6}$ |
| Dec Qtr | 5227.0 | 6356.9 | 4426.0 | 1417.0 | 3106.1 | 399.8 | 241.3 | 689.4 | $\mathbf{2 1} \mathbf{8 6 3 . 5}$ |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 4688.9 | 5320.9 | 3439.5 | 1072.9 | 2918.9 | 360.0 | 199.2 | 631.6 | $\mathbf{1 8} \mathbf{6 3 1 . 9}$ |
| Jun Qtr | 4593.8 | 6162.3 | 3914.8 | 1353.3 | 3039.4 | 343.5 | 202.5 | 655.0 | $\mathbf{2 0} \mathbf{2 6 4 . 6}$ |
| Sep Qtr | 4801.6 | 6686.1 | 4109.9 | 1146.9 | 3186.5 | 332.1 | 244.9 | 664.9 | $\mathbf{2 1} \mathbf{1 7 2 . 9}$ |
| Dec Qtr | 4555.6 | 6283.2 | 3949.0 | 1188.1 | 2922.8 | 363.9 | 268.3 | 695.5 | $\mathbf{2 0} \mathbf{2 2 6 . 2}$ |

ENGINEERING WORK DONE

| $\mathbf{2 0 0 8 - 0 9}$ | 16315.8 | 8346.0 | 21068.9 | 3618.0 | 22664.2 | 1000.1 | 2657.2 | 363.8 | $\mathbf{7 6} \mathbf{0 3 3 . 9}$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2009-10 | 16181.8 | 9538.6 | 19577.7 | 4698.9 | 23458.2 | 964.0 | 1169.2 | 404.3 | $\mathbf{7 5} 992.8$ |
| 2010-11 | 18469.9 | 11177.5 | 23818.9 | 4669.9 | 25189.4 | 959.8 | 927.8 | 768.9 | $\mathbf{8 5} \mathbf{9 8 2 . 0}$ |
| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 3815.4 | 2557.5 | 5145.7 | 899.2 | 5533.0 | 206.2 | 234.9 | 163.3 | $\mathbf{1 8} \mathbf{5 5 5 . 3}$ |
| Dec Qtr | 4860.2 | 2824.8 | 5503.9 | 1149.6 | 6740.5 | 238.2 | 230.5 | 192.2 | $\mathbf{2 1} \mathbf{7 3 9 . 8}$ |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 4435.3 | 2764.3 | 5553.9 | 1113.1 | 6081.6 | 237.4 | 238.6 | 202.0 | $\mathbf{2 0 6 2 6 . 2}$ |
| Jun Qtr | 5358.9 | 3030.8 | 7615.4 | 1507.9 | 6834.3 | 278.1 | 223.8 | 211.5 | $\mathbf{2 5} \mathbf{0 6 0 . 7}$ |
| Sep Qtr | 4999.3 | 2774.5 | 7525.2 | 1082.7 | 10577.4 | 184.5 | 292.8 | 202.7 | $\mathbf{2 7} \mathbf{6 3 9 . 1}$ |
| Dec Qtr | 5480.0 | 3225.7 | 9044.9 | 1308.0 | 8209.6 | 240.1 | 571.0 | 208.6 | $\mathbf{2 8} \mathbf{2 8 8 . 0}$ |

CONSTRUCTION WORK DONE

| $\mathbf{2 0 0 8 - 0 9}$ | 34201.5 | 29619.5 | 39802.4 | 8186.1 | 34272.0 | 2264.6 | 3542.1 | 2359.1 | $\mathbf{1 5 4} \mathbf{2 4 7 . 2}$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2009-10 | 35772.6 | 31892.9 | 37105.2 | 9853.1 | 34997.1 | 2422.9 | 2130.7 | 2795.9 | $\mathbf{1 5 6} \mathbf{9 7 0 . 4}$ |
| $\mathbf{2 0 1 0 - 1 1}$ | 38348.3 | 35387.9 | 40329.3 | 9928.0 | 37473.2 | 2479.4 | 1845.2 | 3489.4 | $\mathbf{1 6 9} \mathbf{2 8 0 . 7}$ |
| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9184.1 | 8927.9 | 9875.8 | 2314.2 | 8752.4 | 622.4 | 509.3 | 907.7 | $\mathbf{4 1} \mathbf{0 9 3 . 8}$ |
| Dec Qtr | 10087.3 | 9181.7 | 9929.9 | 2566.6 | 9846.6 | 637.9 | 471.8 | 881.5 | $\mathbf{4 3} \mathbf{6 0 3 . 4}$ |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 9124.2 | 8085.2 | 8993.3 | 2186.1 | 9000.5 | 597.4 | 437.8 | 833.6 | $\mathbf{3 9} \mathbf{2 5 8 . 1}$ |
| Jun Qtr | 9952.7 | 9193.1 | 11530.2 | 2861.2 | 9873.7 | 621.7 | 426.2 | 866.5 | $\mathbf{4 5} \mathbf{3 2 5 . 3}$ |
| Sep Qtr | 9800.9 | 9460.6 | 11635.0 | 2229.5 | 13763.9 | 516.7 | 537.7 | 867.6 | $\mathbf{4 8} \mathbf{8 1 2 . 0}$ |
| Dec Qtr | 10035.6 | 9508.9 | 12994.0 | 2496.1 | 11132.4 | 604.0 | 839.2 | 904.1 | $\mathbf{4 8} \mathbf{5 1 4 . 2}$ |

CONSTRUCTION WORK DONE, States and territories—Current prices—Change from previous period: Original

|  | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | $\%$ | $\%$ | $\%$ | $\%$ | $\%$ | $\%$ | $\%$ | $\%$ | $\%$ |

## BUILDING WORK DONE

| 2008-09 | -1.9 | 6.3 | 0.2 | 13.7 | 10.4 | 12.5 | 2.9 | 11.2 | $\mathbf{3 . 9}$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2009-10 | 9.5 | 5.1 | -6.4 | 12.8 | -0.6 | 15.4 | 8.7 | 19.9 | $\mathbf{3 . 5}$ |
| 2010-11 | 1.5 | 8.3 | -5.8 | 2.0 | 6.5 | 4.2 | -4.6 | 13.8 | $\mathbf{2 . 9}$ |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -4.9 | 2.6 | 2.0 | 0.1 | 0.9 | 2.6 | 4.2 | 6.4 | $\mathbf{0 . 3}$ |
| Dec Qtr | -2.6 | -0.2 | -6.4 | 0.1 | -3.5 | -4.0 | -12.1 | -7.4 | $\mathbf{- 3 . 0}$ |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -10.3 | -16.3 | -22.3 | -24.3 | -6.0 | -9.9 | -17.5 | -8.4 | $\mathbf{- 1 4 . 8}$ |
| Jun Qtr | -2.0 | 15.8 | 13.8 | 26.1 | 4.1 | -4.6 | 1.6 | 3.7 | $\mathbf{8 . 8}$ |
| Sep Qtr | 4.5 | 8.5 | 5.0 | -15.3 | 4.8 | -3.3 | 21.0 | 1.5 | $\mathbf{4 . 5}$ |
| Dec Qtr | -5.1 | -6.0 | -3.9 | 3.6 | -8.3 | 9.6 | 9.5 | 4.6 | $\mathbf{- 4 . 5}$ |


| ENGINEERING WORK DONE |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2008-09 | 32.2 | 14.0 | 25.5 | 39.1 | 15.9 | 19.5 | 107.7 | -1.6 | 24.4 |
| 2009-10 | -0.8 | 14.3 | -7.1 | 29.9 | 3.5 | -3.6 | -56.0 | 11.2 | -0.1 |
| 2010-11 | 14.1 | 17.2 | 21.7 | -0.6 | 7.4 | -0.4 | -20.7 | 90.2 | 13.1 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -13.3 | -4.2 | 4.9 | -30.9 | -15.5 | -18.3 | -24.0 | 27.4 | -9.6 |
| Dec Qtr | 27.4 | 10.4 | 7.0 | 27.8 | 21.8 | 15.5 | -1.9 | 17.7 | 17.2 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -8.7 | -2.1 | 0.9 | -3.2 | -9.8 | -0.3 | 3.5 | 5.1 | -5.1 |
| Jun Qtr | 20.8 | 9.6 | 37.1 | 35.5 | 12.4 | 17.2 | -6.2 | 4.7 | 21.5 |
| Sep Qtr | -6.7 | -8.5 | -1.2 | -28.2 | 54.8 | -33.6 | 30.8 | -4.1 | 10.3 |
| Dec Qtr | 9.6 | 16.3 | 20.2 | 20.8 | -22.4 | 30.1 | 95.0 | 2.9 | 2.3 |


|  | CONSTRUCTION |  |  |  |  |  |  |  | WORK DONE |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2008-09 | 11.8 | 8.3 | 12.2 | 23.7 | 14.0 | 15.5 | 65.6 | 9.0 | $\mathbf{1 3 . 1}$ |
| $\mathbf{2 0 0 9 - 1 0}$ | 4.6 | 7.7 | -6.8 | 20.4 | 2.1 | 7.0 | -39.8 | 18.5 | $\mathbf{1 . 8}$ |
| 2010-11 | 7.2 | 11.0 | 8.7 | 0.8 | 7.1 | 2.3 | -13.4 | 24.8 | $\mathbf{7 . 8}$ |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -8.6 | 0.6 | 3.5 | -14.7 | -10.1 | -5.4 | -11.0 | 9.6 | $\mathbf{- 4 . 4}$ |
| Dec Qtr | 9.8 | 2.8 | 0.5 | 10.9 | 12.5 | 2.5 | -7.4 | -2.9 | $\mathbf{6 . 1}$ |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -9.5 | -11.9 | -9.4 | -14.8 | -8.6 | -6.4 | -7.2 | -5.4 | $\mathbf{- 1 0 . 0}$ |
| Jun Qtr | 9.1 | 13.7 | 28.2 | 30.9 | 9.7 | 4.1 | -2.6 | 3.9 | $\mathbf{1 5 . 5}$ |
| Sep Qtr | -1.5 | 2.9 | 0.9 | -22.1 | 39.4 | -16.9 | 26.2 | 0.1 | $\mathbf{7 . 7}$ |
| Dec Qtr | 2.4 | 0.5 | 11.7 | 12.0 | -19.1 | 16.9 | 56.1 | 4.2 | $\mathbf{- 0 . 6}$ |


|  | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
|  | ORIGINAL |  |  |  |  |  |  |  |  |
| 2008-09 | 33974.9 | 29528.1 | 38627.1 | 8172.5 | 33478.3 | 2325.7 | 3562.8 | 2371.1 | 152094.1 |
| 2009-10 | 35772.6 | 31892.9 | 37105.2 | 9853.1 | 34997.1 | 2422.9 | 2130.7 | 2795.9 | 156970.5 |
| 2010-11 | 37561.3 | 33869.5 | 39986.8 | 9756.5 | 37259.5 | 2398.6 | 1808.4 | 3403.7 | 166044.4 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9089.9 | 8631.9 | 9828.9 | 2280.2 | 8716.7 | 606.8 | 502.4 | 892.9 | 40549.7 |
| Dec Qtr | 9917.5 | 8799.0 | 9895.8 | 2521.3 | 9795.8 | 618.9 | 462.4 | 863.8 | 42874.5 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 8936.4 | 7739.7 | 8924.1 | 2150.2 | 8961.9 | 576.2 | 429.5 | 812.7 | 38530.6 |
| Jun Qtr | 9617.5 | 8699.0 | 11338.0 | 2804.8 | 9785.0 | 596.8 | 414.1 | 834.4 | 44089.6 |
| Sep Qtr | 9423.6 | 8933.2 | 11497.8 | 2188.4 | 13646.0 | 496.6 | 524.3 | 832.6 | 47542.4 |
| Dec Qtr | 9601.7 | 8963.1 | 12757.4 | 2431.1 | 10930.9 | 575.0 | 813.8 | 868.7 | 46941.6 |
| SEASONALLY ADJUSTED |  |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9254.8 | 8357.2 | 9433.5 | 2386.2 | 8684.0 | 638.1 | 497.3 | 856.3 | 40173.5 |
| Dec Qtr | 9744.6 | 8546.4 | 9507.2 | 2434.3 | 9327.1 | 595.7 | 428.7 | 841.1 | 41305.2 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 9451.0 | 8579.1 | 9799.1 | 2322.7 | 9836.1 | 592.9 | 469.7 | 894.1 | 42226.7 |
| Jun Qtr | 9110.8 | 8386.8 | 11247.1 | 2613.4 | 9412.4 | 571.9 | 412.7 | 812.2 | 42339.0 |
| Sep Qtr | 9640.8 | 8652.2 | 11094.7 | 2336.7 | 13689.9 | 525.6 | 522.3 | 802.7 | 47291.7 |
| Dec Qtr | 9466.7 | 8683.5 | 12234.0 | 2352.6 | 10350.4 | 551.7 | 744.4 | 848.7 | 45119.1 |
| TREND |  |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 9529.6 | 8474.7 | 9403.2 | 2422.3 | 9145.5 | 623.0 | 494.0 | 843.9 | 40891.7 |
| Dec Qtr | 9504.0 | 8508.7 | 9599.7 | 2402.9 | 9083.7 | 610.4 | 464.9 | 866.3 | 41042.8 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | 9432.4 | 8504.3 | 10065.9 | 2432.7 | 9711.8 | 587.1 | 423.7 | 854.9 | 42057.3 |
| Jun Qtr | 9394.2 | 8531.4 | 10764.7 | 2447.3 | 10722.9 | 564.0 | 463.1 | 834.1 | 43702.8 |
| Sep Qtr | 9418.7 | 8583.5 | 11453.5 | 2416.9 | 11451.5 | 547.5 | 554.1 | 822.5 | 45182.1 |
| Dec Qtr | 9515.2 | 8663.1 | 12088.5 | 2370.5 | 11765.6 | 536.1 | 665.8 | 821.6 | 46343.4 |

(a) Reference year for Chain Volume Measures is 2009-10. See paragraphs 27-31 of the Explanatory Notes.

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

|  | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \% | \% | \% | \% | \% | \% | \% | \% | \% |
| ORIGINAL |  |  |  |  |  |  |  |  |  |
| 2008-09 | 7.4 | 7.3 | 7.5 | 17.5 | 9.1 | 10.5 | 56.8 | 4.3 | 9.0 |
| 2009-10 | 5.3 | 8.0 | -3.9 | 20.6 | 4.5 | 4.2 | -40.2 | 17.9 | 3.2 |
| 2010-11 | 5.0 | 6.2 | 7.8 | -1.0 | 6.5 | -1.0 | -15.1 | 21.7 | 5.8 |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -9.1 | -1.7 | 2.9 | -15.2 | -10.9 | -6.3 | -12.0 | 8.6 | -5.3 |
| Dec Qtr | 9.1 | 1.9 | 0.7 | 10.6 | 12.4 | 2.0 | -8.0 | -3.3 | 5.7 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -9.9 | -12.0 | -9.8 | -14.7 | -8.5 | -6.9 | -7.1 | -5.9 | -10.1 |
| Jun Qtr | 7.6 | 12.4 | 27.0 | 30.4 | 9.2 | 3.6 | -3.6 | 2.7 | 14.4 |
| Sep Qtr | -2.0 | 2.7 | 1.4 | -22.0 | 39.5 | -16.8 | 26.6 | -0.2 | 7.8 |
| Dec Qtr | 1.9 | 0.3 | 11.0 | 11.1 | -19.9 | 15.8 | 55.2 | 4.3 | -1.3 |
| SEASONALLY ADJUSTED |  |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | -2.7 | -1.4 | -1.0 | -4.9 | -8.4 | 2.9 | -12.4 | 6.7 | -2.5 |
| Dec Qtr | 5.3 | 2.3 | 0.8 | 2.0 | 7.4 | -6.7 | -13.8 | -1.8 | 2.8 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -3.0 | 0.4 | 3.1 | -4.6 | 5.5 | -0.5 | 9.6 | 6.3 | 2.2 |
| Jun Qtr | -3.6 | -2.2 | 14.8 | 12.5 | -4.3 | -3.5 | -12.1 | -9.2 | 0.3 |
| Sep Qtr | 5.8 | 3.2 | -1.4 | -10.6 | 45.4 | -8.1 | 26.6 | -1.2 | 11.7 |
| Dec Qtr | -1.8 | 0.4 | 10.3 | 0.7 | -24.4 | 5.0 | 42.5 | 5.7 | -4.6 |
| TREND |  |  |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Sep Qtr | 1.9 | 1.7 | 0.2 | -2.7 | 1.9 | -0.1 | 2.2 | 5.9 | 1.3 |
| Dec Qtr | -0.3 | 0.4 | 2.1 | -0.8 | -0.7 | -2.0 | -5.9 | 2.7 | 0.4 |
| 2011 |  |  |  |  |  |  |  |  |  |
| Mar Qtr | -0.8 | -0.1 | 4.9 | 1.2 | 6.9 | -3.8 | -8.9 | -1.3 | 2.5 |
| Jun Qtr | -0.4 | 0.3 | 6.9 | 0.6 | 10.4 | -3.9 | 9.3 | -2.4 | 3.9 |
| Sep Qtr | 0.3 | 0.6 | 6.4 | -1.2 | 6.8 | -2.9 | 19.7 | -1.4 | 3.4 |
| Dec Qtr | 1.0 | 0.9 | 5.5 | -1.9 | 2.7 | -2.1 | 20.1 | -0.1 | 2.6 |

(a) Reference year for Chain Volume Measures is 2009-10. See paragraphs 27-31 of the Explanatory Notes.

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

|  | $\begin{array}{r} \text { New } \\ \text { houses } \end{array}$ | New other residential building | New residential building | Alterations and additions to residential building | Total residential building | Non-residential building | Total building |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
|  | WORK YET TO BE DONE AT END OF QUARTER(a) |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |
| Sep Qtr | 9228.5 | 9334.6 | 18563.1 | 2289.3 | 20852.4 | 22495.9 | 43348.3 |
| Dec Qtr | 8941.1 | 9716.2 | 18657.3 | 2406.9 | 21064.3 | 20996.8 | 42061.1 |
| 2011 |  |  |  |  |  |  |  |
| Mar Qtr | 8938.3 | 10402.7 | 19341.1 | 2247.8 | 21588.8 | 20625.7 | 42214.5 |
| Jun Qtr | 8608.7 | 10476.4 | 19085.0 | 2290.7 | 21375.8 | 19872.8 | 41248.6 |
| Sep Qtr | 8198.4 | 10774.0 | 18972.4 | 2285.7 | 21258.2 | 19326.5 | 40584.7 |
| Dec Qtr | 8237.8 | 10193.6 | 18431.4 | 2093.0 | 20524.4 | 16570.3 | 37094.7 |
|  | WORK APPROVED BUT NOT YET COMMENCED AT END OF QUARTER(a) |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |
| Sep Qtr | 3096.2 | 3288.4 | 6384.6 | 927.0 | 7311.6 | 4339.1 | 11650.8 |
| Dec Qtr | 3407.5 | 3291.1 | 6698.6 | 1002.2 | 7700.8 | 4038.9 | 11739.7 |
| 2011 |  |  |  |  |  |  |  |
| Mar Qtr | 2852.2 | 3513.2 | 6365.3 | 935.1 | 7300.4 | 4070.1 | 11370.5 |
| Jun Qtr | 3027.8 | 3630.8 | 6658.6 | 959.4 | 7618.0 | 4598.7 | 12216.7 |
| Sep Qtr | 3446.0 | 3988.6 | 7434.6 | 960.0 | 8394.6 | 7342.1 | 15736.7 |
| Dec Qtr | 3220.8 | 3850.3 | 7071.1 | 906.0 | 7977.1 | 5221.3 | 13198.4 |
| WORK IN THE PIPELINE AT END OF QUARTER(a) |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |
| Sep Qtr | 12324.7 | 12623.0 | 24947.7 | 3216.3 | 28164.0 | 26835.0 | 54999.1 |
| Dec Qtr | 12348.6 | 13007.4 | 25355.9 | 3409.1 | 28765.0 | 25035.7 | 53800.8 |
| 2011 |  |  |  |  |  |  |  |
| Mar Qtr | 11790.5 | 13915.9 | 25706.4 | 3182.9 | 28889.3 | 24695.8 | 53585.1 |
| Jun Qtr | 11636.5 | 14107.1 | 25743.7 | 3250.1 | 28993.8 | 24471.5 | 53465.3 |
| Sep Qtr | 11644.4 | 14762.6 | 26407.0 | 3245.8 | 29652.8 | 26668.7 | 56321.4 |
| Dec Qtr | 11458.6 | 14043.9 | 25502.5 | 2999.0 | 28501.5 | 21791.6 | 50293.1 |


| Period | NSW | Vic. | Qld | SA | Tas., NT |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | WA | \& ACT | Aust. |
| NEW HOUSES |  |  |  |  |  |  |  |
| 2010 |  |  |  |  |  |  |  |
| Sep Qtr | 3351 | 2262 | 959 | 1797 | 2440 | 478 | 11287 |
| Dec Qtr | 3404 | 2604 | 1547 | 1741 | 2416 | 449 | 12162 |
| 2011 |  |  |  |  |  |  |  |
| Mar Qtr | 2935 | 2389 | 1050 | 1504 | 2020 | 446 | 10344 |
| Jun Qtr | 3249 | 2488 | 1020 | 1511 | 1958 | 479 | 10706 |
| Sep Qtr | 3486 | 2727 | 1329 | 1656 | 2188 | 641 | 12026 |
| Dec Qtr | 3647 | 2334 | 1186 | 1665 | 2333 | 569 | 11735 |

NEW OTHER RESIDENTIAL BUILDING
2010

| Sep Qtr | 6397 | 1287 | 1984 | 1842 | 1142 | 401 | $\mathbf{1 3 ~ 0 5 4}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Dec Qtr | 6333 | 2419 | 1685 | 1782 | 1234 | 356 | $\mathbf{1 3 ~ 8 1 0}$ |
| $\mathbf{0 1 1}$ |  |  |  |  |  |  |  |
| Mar Qtr | 6154 | 2557 | 1781 | 1839 | 1102 | 351 | $\mathbf{1 3} \mathbf{7 8 5}$ |
| Jun Qtr | 6357 | 1720 | 1803 | 2066 | 1251 | 763 | $\mathbf{1 3} 960$ |
| Sep Qtr | 7276 | 2149 | 2231 | 1491 | 1282 | 932 | $\mathbf{1 5 ~ 3 6 2}$ |
| Dec Qtr | 6944 | 2372 | 2428 | 1445 | 1284 | 949 | $\mathbf{1 5 4 2 2}$ |

TOTAL DWELLINGS(a)

| $\mathbf{2 0 1 0}$ |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Sep Qtr | 9850 | 3573 | 2972 | 3670 | 3604 | 893 | $\mathbf{2 4 5 6 3}$ |
| Dec Qtr | 9823 | 5056 | 3245 | 3553 | 3674 | 818 | $\mathbf{2 6 1 7 0}$ |
| $\mathbf{2 0 1 1}$ |  |  |  |  |  |  |  |
| Mar Qtr | 9195 | 5071 | 2846 | 3365 | 3149 | 806 | $\mathbf{2 4} \mathbf{4 3 2}$ |
| Jun Qtr | 9714 | 4300 | 2840 | 3602 | 3226 | 1257 | $\mathbf{2 4 9 3 9}$ |
| Sep Qtr | 10889 | 4954 | 3581 | 3162 | 3486 | 1598 | $\mathbf{2 7} \mathbf{6 6 9}$ |
| Dec Qtr | 10716 | 4827 | 3646 | 3135 | 3626 | 1535 | $\mathbf{2 7 4 8 5}$ |

(a) Includes Conversions etc.

INTRODUCTION

SCOPE AND COVERAGE

STATISTICAL UNIT

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).

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 June quarter 2006, the survey has consisted 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 $\$ 2,000,000$ 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 $\$ 2$ 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.

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 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).

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.

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.

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.

## EXPLANATORY NOTES continued

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', 'non-residential', 'house', 'other 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.

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 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 below.

AUSTRALIA

|  | $\%$ |
| :--- | ---: |
|  |  |
| New private residential building | 1.2 |
| Total private residential building | 1.1 |
| Private non-residential building | 1.2 |
| Total private building | 0.8 |
| Total residential building | 1.0 |
| Total non-residential building | 0.9 |
| Total building | $\mathbf{0 . 7}$ |
| Engineering for the private sector | 0.9 |
| Total engineering | $\mathbf{0 . 8}$ |

STATES AND TERRITORIES

|  | Total | Total |
| :--- | ---: | ---: |
| building | engineering |  |
|  | $\%$ | $\%$ |
| NSW | 1.3 | 2.2 |
| Vic. | 1.5 | 3.5 |
| Qld | 1.5 | 1.0 |
| SA | 1.9 | 5.3 |
| WA | 1.8 | 1.0 |
| Tas. | 1.7 | 4.8 |
| NT | 1.0 | 18.5 |
| ACT | 1.4 | 7.2 |

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).

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) or contact Time Series Analysis Section on (02) 62526345 or email [time.series.analysis@abs.gov.au](mailto:time.series.analysis@abs.gov.au).

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.

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.

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.

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

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
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, Australia, cat. no. 5609.0
Private Sector Construction Industry, Australia, cat. no. 8772.0
Producer Price Indexes, Australia, cat. no. 6427.0.
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 1300135070.

| \$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

|  | Publication <br> table no. | Electronic <br> table no. |  |
| :--- | ---: | ---: | ---: |
| Construction work done, chain volume measures | 1 | 1 | September 1974 |
| Construction work done, chain volume measures, change from previous period | n.a. |  |  |

## Alterations and additions

## Alterations and additions to

 residential buildings
## Building

Building work done Construction work done

Conversions, etc.
Dwellings approved but not yet commenced Dwelling unit

## Engineering work done

## House

New
Non-residential building
Other residential building
Residential building
Type of building

Refer to Type of work. The term 'Alterations and additions' in tables 5, 6, 7 and 8 refers to alterations and additions to residential buildings only.

Alterations and additions carried out on existing residential buildings, which may result in the creation of new dwelling units.

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.

The Value of building work done including only work carried out during the quarter
The sum of building work done and engineering work done.
Refer to Type of Work.
For known residential projects which have not yet commenced, dwellings to be created by the project.

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.

The Value of engineering work done including only work carried out during the quarter
Refer to Type of Building. Refer to Type of Work.

Refer to Type of Building.
Refer to Type of Building.
Refer to Type of Building.
Buildings are classified as either:

## Residential building

A residential building is a building consisting of one or more dwelling units.
Residential buildings can be either houses or other residential buildings.
A bouse 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.
An other residential building 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.

## Non-residential building

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.

Type of building continued

Type of work

Value of building work done

Value of engineering work done

## Work approved but not yet

 commencedWork in the pipeline

Work yet to be done

Non-residential building's are further classified by their functional use at time of approval.

The Type of Work classification refers to building activity approved to be carried out and 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.
Conversion
Building activity conversion is building activity which converts a non-residential building to a residential building, e.g. conversion of a warehouse to residential apartments. Conversion is considered to be a special type of alteration. 'Conversions, etc.' are the number of dwelling units created as part of alterations and additions to, or conversions of, existing residential or non-residential buildings and as part of the construction of non-residential building. However, while the value of conversions is included in the value of alterations and additions to residential buildings, the value of new dwelling units associated with non-residential buildings is included in the value of non-residential buildings.
New
Building activity which will result in the creation of a building which previously did not exist

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.

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.

For known projects which have not yet commenced, the anticipated final value at completion of the project.

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.

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.

## FOR MORE INFORMATION

INTERNET | www.abs.gov.au the ABS website is the best place for |
| :--- |
| data from our publications and information about the ABS. |

INFORMATION AND REFERRAL SERVICE
Our consultants can help you access the full range of
information published by the ABS that is available free of
charge from our website. Information tailored to your
needs can also be requested as a 'user pays' service.
Specialists are on hand to help you with analytical or
methodological advice.


[^0]:    (a) Reference year for chain volume measures is 2009-10. Refer to paragraphs 27-31 of the Explanatory Notes

[^1]:    - nil or rounded to zero (including null cells)

