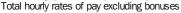


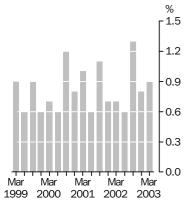
# **WAGE COST INDEX**

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) WED 21 MAY 2003

#### Quarterly percentage change





#### Annual percentage change

For selected industries

Total hourly rates of pay excluding bonuses



For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Tim Landrigan on Perth 08 9360 5151.

## KEY FIGURES

	Dec Qtr 2002 to Mar Qtr 2003	Mar Qtr 2002 to Mar Qtr 2003
	% change	% change
Total hourly rates of pay excluding		
bonuses		
Australia	0.9	3.6
Sector		
Private sector	0.7	3.5
Public sector	1.7	4.0
States and Territories		
New South Wales	1.4	3.9
Victoria	0.6	3.7
Queensland	0.9	3.3
South Australia	0.5	3.7
Western Australia	0.8	3.7
Tasmania	0.3	3.1
Northern Territory	1.2	3.1
Australian Capital Territory	1.0	3.8

## KEY POINTS

# INDEXES OF TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES

QUARTERLY CHANGES (DEC QTR 2002 TO MAR QTR 2003)

- The index of total hourly rates of pay excluding bonuses for all employee jobs in Australia increased by 0.9%.
- The increases in the indexes at the industry level ranged from 0.3% for Communication services, to 1.8% for Health and community services.
- The increases in the indexes at the occupation level ranged from 0.5% for Intermediate production and transportation workers, to 1.2% for Professionals.

#### ANNUAL CHANGES (MAR QTR 2002 TO MAR QTR 2003)

- The index of total hourly rates of pay excluding bonuses for all employee jobs in Australia increased by 3.6%.
- The increases in the indexes at the industry level ranged from 1.5% for Communication services, to 5.1% for Education.

## NOTES

FORTHCOMING ISSUES ISSUE (Quarter) RELEASE DATE

June 2003 13 August 2003 September 2003 12 November 2003

CHANGES IN THIS ISSUE A graph showing the Annual Percentage Change for selected industries is included on

the front of the publication.

ABS DATA AVAILABLE ON

REQUEST

 $Indexes\ are\ compiled\ for\ various\ combinations\ of\ state/territory,\ sector\ (private/public),$ 

broad industry group and broad occupation group. Indexes not included in this

publication may be made available on request by telephoning Perth (08) 9360 5151.

FURTHER INFORMATION More detailed information on the Wage Cost Index is available in *Information Paper*:

Wage Cost Index, Australia, 2000 (cat. no. 6346.0).

Susan Linacre

Acting Australian Statistician

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#### COMMENTARY

#### OVERALL

- The annual (quarter on corresponding quarter of the preceding year) movement in the index of total hourly rates of pay excluding bonuses increased slightly to 3.6% in the March quarter 2003, compared with an increase of 3.4% in December quarter 2002.
- The 2003 Safety Net Review decision was handed down by the Australian Industrial Relations Commission on 6 May 2003. As the decision was handed down only two weeks prior to June quarter's reference date for the Wage Cost Index, it is unlikely that it will impact significantly on the June quarter WCI.

#### INFLUENCING THE INDEX

The following factors have had the greatest influence on the index this quarter.

Public Sector

- The annual movement of 4.0% is the highest since the start of the series in September quarter 1997.
- Award increases have had a greater impact this quarter. Historically, CA-based pay increases provide most of the pay movements each quarter.
- In the March quarter 2003 NSW public sector increased by 3.1%

Education

■ The 5.1% increase in March quarter 2003 is the largest annual movement recorded in this industry.

# EXPERIMENTAL SEASONALLY ADJUSTED ESTIMATES

(See Appendix 2)

- This is the fourth quarter that these estimates have been published.
- The estimates are classified as 'experimental' because the seasonal patterns have been estimated on the basis of a relatively short time series (currently 23 quarters).
- The ABS will continue to monitor these series with a view to removing the 'experimental' label as soon as it is possible to do so.

The public sector quarterly increase of 1.7% in original terms in March quarter 2003 is estimated to be 1.3% seasonally adjusted, based on the experimental series.

The corresponding increases for the private sector are 0.7% (original) and 0.8% (experimental seasonally adjusted).

The original and seasonally adjusted quarterly increases for all sectors are the same at 0.9%.



## TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES

Period	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
				DEX NUM					
1998–99	104.7	104.2	104.2	104.1	104.4	103.5	104.2	103.7	104.4
1999-2000	107.9	107.2	107.3	107.1	107.1	106.2	106.8	106.3	107.4
2000-01	111.9	110.8	110.6	110.5	110.9	109.2	109.8	110.1	111.:
2001–02	115.6	114.7	114.2	114.1	114.5	112.6	113.2	113.5	114.
2000									
March	108.2	107.6	107.6	107.4	107.5	106.5	107.2	106.6	107.
June	109.0	108.3	108.0	108.1	108.0	106.9	107.5	107.0	108.
September	110.7	109.4	109.0	109.1	109.3	108.1	108.6	108.9	109.
December	111.3	110.4	110.3	110.1	110.0	108.9	109.9	109.8	110.
2001									
March	112.5	111.2	111.2	111.1	111.8	109.5	110.3	110.6	111.
June	113.1	112.2	111.9	111.6	112.5	110.3	110.5	111.0	112.
September	114.5	113.6	113.0	112.6	113.2	111.5	111.6	112.6	113.
December	115.2	114.2	113.9	113.9	114.0	112.1	113.3	113.3	114.
2002									
March	116.1	115.0	114.6	114.8	114.9	113.1	113.9	113.8	115.
June	116.6	116.0	115.2	115.2	115.7	113.7	114.1	114.3	115.
September	118.2	117.6	116.3	116.9	117.6	115.0	115.6	116.0	117.
December	118.9	118.5	117.4	118.5	118.2	116.2	116.0	116.9	118.
2003									
March	120.6	119.2	118.4	119.1	119.2	116.6	117.4	118.1	119.
	• • • • • • •	CHANG	E FROM P	REVIOUS		AL YEAR (	%)	• • • • • • •	• • • • • •
1999–2000	3.1	2.9	3.0	2.9	2.6	2.6	2.5	2.5	2.
2000-01	3.7								
2000-01	3.1	3.4	3.1	3.2	3.5	2.8	2.8	3.6	3.
	3.3	3.4 3.5	3.1 3.3	3.2 3.3	3.5 3.2	2.8 3.1	2.8 3.1	3.6 3.1	3.4 3.5
2001–02	3.3	3.5	3.3	3.3	3.2	3.1	3.1	3.1	3.
2001–02	3.3	3.5	3.3	3.3	3.2		3.1	3.1	3.
2001–02  2001	3.3 CHANGE	3.5 FROM C	3.3 ORRESPOI	3.3 NDING QU	3.2 JARTER C	3.1 OF PREVIO	3.1 US YEAR	3.1	3.
2001–02 2001 March	3.3 CHANGE 4.0	3.5 FROM C	3.3 ORRESPOI 3.3	3.3 NDING QU 3.4	3.2 JARTER C	3.1 OF PREVIO 2.8	3.1 US YEAR 2.9	3.1 (%)	3.
2001–02 2001 March June	3.3 CHANGE 4.0 3.8	3.5 FROM C 3.3 3.6	3.3 ORRESPOI 3.3 3.6	3.3 NDING QU 3.4 3.2	3.2 JARTER C 4.0 4.2	3.1 OF PREVIO 2.8 3.2	3.1 US YEAR 2.9 2.8	3.1 (%) 3.8 3.7	3. 3. 3.
2001–02  2001  March June September	3.3 CHANGE 4.0	3.5 FROM C	3.3 ORRESPOI 3.3 3.6 3.7	3.3 NDING QU 3.4	3.2 JARTER C 4.0 4.2 3.6	3.1 OF PREVIO 2.8	3.1 US YEAR 2.9	3.1 (%) 3.8 3.7 3.4	3. 3. 3. 3.
2001–02  2001  March June September December	3.3 CHANGE 4.0 3.8 3.4	3.5 FROM C 3.3 3.6 3.8	3.3 ORRESPOI 3.3 3.6	3.3 NDING QU 3.4 3.2 3.2	3.2 JARTER C 4.0 4.2	3.1 OF PREVIO 2.8 3.2 3.1	3.1 US YEAR 2.9 2.8 2.8	3.1 (%) 3.8 3.7	3. 3. 3. 3.
2001–02  2001  March June September December	3.3 CHANGE 4.0 3.8 3.4	3.5 FROM C 3.3 3.6 3.8	3.3 ORRESPOI 3.3 3.6 3.7	3.3 NDING QU 3.4 3.2 3.2	3.2 JARTER C 4.0 4.2 3.6	3.1 OF PREVIO 2.8 3.2 3.1	3.1 US YEAR 2.9 2.8 2.8	3.1 (%) 3.8 3.7 3.4	3. 3. 3. 3.
2001–02  2001  March June September December 2002	3.3 CHANGE 4.0 3.8 3.4 3.5	3.5 FROM C 3.3 3.6 3.8 3.4	3.3 ORRESPOI 3.3 3.6 3.7 3.3	3.3 NDING QU 3.4 3.2 3.2 3.5	3.2 JARTER C 4.0 4.2 3.6 3.6	3.1 OF PREVIO 2.8 3.2 3.1 2.9	3.1 US YEAR 2.9 2.8 2.8 3.1	3.1 (%) 3.8 3.7 3.4 3.2	3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2	3.5 FROM C 3.3 3.6 3.8 3.4 3.4	3.3 ORRESPOI 3.3 3.6 3.7 3.3	3.3 NDING QU 3.4 3.2 3.2 3.5 3.3	3.2 JARTER C 4.0 4.2 3.6 3.6 2.8	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3	3.1 US YEAR 2.9 2.8 2.8 3.1 3.3	3.1 (%) 3.8 3.7 3.4 3.2 2.9	3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2 3.1	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.4	3.3 ORRESPOI 3.3 3.6 3.7 3.3 3.1 2.9	3.3 NDING QU 3.4 3.2 3.2 3.5 3.3	3.2 JARTER C 4.0 4.2 3.6 3.6 2.8 2.8	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.1	3.1 US YEAR 2.9 2.8 2.8 3.1 3.3 3.3	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0	3. 3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June September December	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2 3.1 3.2	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.4 3.5	3.3 ORRESPOI 3.3 3.6 3.7 3.3 3.1 2.9 2.9	3.3 NDING QU 3.4 3.2 3.2 3.5 3.3 3.2 3.8	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.1 3.1	3.1 US YEAR  2.9 2.8 2.8 3.1  3.3 3.3 3.6	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0	3. 3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June September December	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2 3.1 3.2	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.4 3.5	3.3 ORRESPOI 3.3 3.6 3.7 3.3 3.1 2.9 2.9	3.3 NDING QU 3.4 3.2 3.2 3.5 3.3 3.2 3.8	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.1 3.1	3.1 US YEAR  2.9 2.8 2.8 3.1  3.3 3.3 3.6	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0	3. 3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June September December 2003	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.4 3.5 3.8	3.3 ORRESPON 3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3	3.3 NDING QU 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7	3.2 JARTER C 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.1 3.1 3.7 3.1	3.1 US YEAR 2.9 2.8 2.8 3.1 3.3 3.6 2.4 3.1	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June September December 2003  March	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.4 3.5 3.8	3.3 3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3	3.3 NDING QU 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7	3.2 JARTER C 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.1 3.1 3.7 3.1	3.1 US YEAR 2.9 2.8 2.8 3.1 3.3 3.6 2.4 3.1	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June September December 2003  March	3.3 CHANGE 4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3	3.3 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1	3.1  US YEAR  2.9 2.8 2.8 3.1  3.3 3.6 2.4 3.1	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 3. 3. 3.
2001–02  2001  March June September December 2002  March June September December 2003  March  March	3.3  CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO	3.3 NDING QU 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVICE	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 3.7 3.1	3.1  US YEAR  2.9 2.8 2.8 3.1 3.3 3.6 2.4 3.1	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 3. 3. 1.
2001–02  2001  March June September December 2002  March June September December 2003  March  March June	3.3 CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9 1.1 0.5	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6	3.3 NDING QU 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVIO	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 3.7	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 3.7 3.1	3.1  US YEAR  2.9 2.8 2.8 3.1 3.3 3.6 2.4 3.1  0.4 0.2	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
2001–02  2001  March June September December 2002  March June September December 2003  March  March  2001  March	3.3  CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO	3.3 NDING QU 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVICE	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 3.7 3.1	3.1  US YEAR  2.9 2.8 2.8 3.1 3.3 3.6 2.4 3.1	3.1 (%) 3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 3. 1. 0.
2001–02  2001  March June September December 2002  March June September December 2003  March  March June September December	3.3  CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9  1.1 0.5 1.2	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6 1.0	3.3 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVIO	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 3.7 4.0 4.0 4.2 3.6 3.6 3.6 4.0 4.2 3.6 3.6 3.6 3.6 3.6	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 3.7 3.1	3.1  US YEAR  2.9 2.8 2.8 3.1  3.3 3.6 2.4 3.1  0.4 0.2 1.0	3.1 (%)  3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8 	3. 3. 3. 3. 3. 3. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
2001–02  2001  March June September December 2002  March June September December 2003  March  March June September December 2001  March June September December 2001	3.3  CHANGE  4.0 3.8 3.4 3.5  3.2 3.1 3.2 3.9  1.1 0.5 1.2 0.6	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA 0.7 0.9 1.2 0.5	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6 1.0 0.8	3.3 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVIO	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 3.7 4.0 4.0 4.2 3.6 3.6 3.6 3.6 3.7 3.7	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 3.7 3.1 0.6 0.7 1.1 0.5	3.1  US YEAR  2.9 2.8 2.8 3.1  3.3 3.6 2.4  3.1  0.4 0.2 1.0 1.5	3.1 (%)  3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
2001–02  2001  March June September December 2002  March June September December 2003  March  March June September December	3.3  CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.2 3.9  1.1 0.5 1.2	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA 0.7 0.9 1.2 0.5	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6 1.0 0.8 0.6	3.3 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVIO 0.9 0.5 0.9 1.2 0.8	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 DUS QUAR 1.6 0.6 0.6 0.7 0.8	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 3.7 3.1	3.1  US YEAR  2.9 2.8 2.8 3.1  3.3 3.6 2.4  3.1  0.4 0.2 1.0 1.5 0.5	3.1 (%)  3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8 	3. 3. 3. 3. 3. 3. 1. 0.
2001–02  2001  March June September December 2002  March June September December 2003  March  June September 2001  March June September December 2001  March June September December 2001  March June September December December December December December December December December	3.3 CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.9  1.1 0.5 1.2 0.6 0.8	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA 0.7 0.9 1.2 0.5	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6 1.0 0.8	3.3 3.4 3.2 3.5 3.3 3.2 3.8 4.0 3.7 M PREVIO	3.2  4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 0.00 QUAR  1.6 0.6 0.6 0.7 0.8 0.7	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 0.6 0.7 1.1 0.5 0.9 0.5	3.1  US YEAR  2.9 2.8 2.8 3.1  3.3 3.6 2.4  3.1  0.4 0.2 1.0 1.5 0.5 0.2	3.1 (%)  3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8	3. 3. 3. 3. 3. 3. 1. 0. 0. 0.
2001–02  2001  March June September December 2002  March June September December 2003  March  2001  March June September December 2002  March March June September December 2001  March June September December 2002  March	3.3  CHANGE  4.0 3.8 3.4 3.5 3.2 3.1 3.2 3.9  1.1 0.5 1.2 0.6 0.8 0.4	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.5 3.8 3.7 CHA 0.7 0.9 1.2 0.5	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6 1.0 0.8 0.6 0.5	3.3  NDING QU  3.4  3.2  3.5  3.3  3.2  3.8  4.0  3.7  M PREVIO  0.9  0.5  0.9  1.2  0.8  0.3	3.2 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 DUS QUAR 1.6 0.6 0.6 0.7 0.8	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.7 3.1 0.6 0.7 1.1 0.5 0.9	3.1  US YEAR  2.9 2.8 2.8 3.1  3.3 3.6 2.4  3.1  0.4 0.2 1.0 1.5 0.5	3.1 (%)  3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8 	3. 3. 3. 3. 3. 3. 1. 0. 1. 0. 1. 0.
2001–02  2001  March June September December 2002  March June September December 2003  March  2001  March June September December 2002  March June September December 2002  March June September September December 2002  March June September	3.3  CHANGE  4.0 3.8 3.4 3.5  3.2 3.1 3.2 3.9  1.1 0.5 1.2 0.6  0.8 0.4 1.4	3.5 FROM C 3.3 3.6 3.8 3.4 3.4 3.4 3.5 3.8 3.7 CHA 0.7 0.9 1.2 0.5	3.3 3.6 3.7 3.3 3.1 2.9 2.9 3.1 3.3 ANGE FRO  0.8 0.6 1.0 0.8 0.6 0.5 1.0	3.3  NDING QU  3.4  3.2  3.5  3.3  3.2  3.8  4.0  3.7  M PREVIO  0.9  0.5  0.9  1.2  0.8  0.3  1.5	3.2 4.0 4.0 4.2 3.6 3.6 2.8 2.8 3.9 3.7 3.7 3.7 0.00 QUAR 0.6 0.6 0.7 0.8 0.7 1.6	3.1 2.8 3.2 3.1 2.9 3.3 3.1 3.1 3.7 3.1 0.6 0.7 1.1 0.5 0.9 0.5 1.1	3.1  2.9  2.8  2.8  3.1  3.3  3.6  2.4  3.1  0.4  0.2  1.0  1.5  0.5  0.2  1.3	3.1 (%)  3.8 3.7 3.4 3.2 2.9 3.0 3.0 3.2 3.8 	3. 3. 3. 3. 3. 3. 3.

<sup>(</sup>a) Reference base of each index: September quarter 1997=100.0.

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# TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES,

Private Sector

	New			Courth	Montana		Northan	Australian	
Period	South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Capital Territory	Australi
• • • • • • • • • •		• • • • • •		DEX NUM	BERS (a)	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
1998–99	104.2	104.1	104.1	104.2	104.6	103.6	103.6	103.3	104.
1999–2000	107.4	107.2	104.1	104.2	107.1	106.2	106.0	106.8	107.
2000-01	111.5	110.8	110.1	110.1	111.1	108.9	100.0	111.1	110
2001–02	115.2	114.6	113.4	113.5	114.7	112.0	112.3	114.6	114
2000									
March	107.7	107.6	107.1	107.3	107.5	106.5	106.2	107.2	107
June	108.5	108.3	107.5	107.8	108.0	106.8	106.8	107.8	108
September	110.3	109.5	108.6	108.9	109.5	107.8	108.3	110.1	109
December	111.0	110.5	109.8	109.8	110.2	108.7	109.0	110.7	110
2001									
March	112.0	111.1	110.7	110.5	111.9	109.3	109.5	111.6	111
June	112.7	112.1	111.1	111.0	112.8	109.8	109.7	112.1	112
September	114.2	113.6	112.1	112.2	113.4	111.0	111.3	113.6	113
December	114.9	114.2	113.1	113.1	114.2	111.7	112.1	114.2	114
2002 March	115.6	1110	112.0	1111	1151	110.4	110.7	1150	444
March	115.6	114.9	113.9	114.1	115.1	112.4	112.7	115.0	114
June	116.2	115.8	114.4	114.6	115.9	112.9	113.1	115.6	115
September	117.9	117.5	115.4	116.3	117.8	114.4	114.9	117.2	117
December 2003	118.7	118.4	116.8	117.7	118.5	115.5	115.4	117.8	118
March	119.7	119.0	117.5	118.4	119.2	115.9	116.1	118.9	118
• • • • • • • • • • •	• • • • • • • •		GE FROM F					• • • • • • •	• • • • • •
1999–2000	3.1	3.0	2.6	2.6	2.4	2.5	2.3	3.4	2
2000-01	3.8	3.4	3.1						
2000-01									
2001–02	3.3	3.4	3.0	3.0 3.1	3.7 3.2	2.5 2.8	2.9 2.9	4.0 3.2	
2001–02	3.3	3.4		3.1	3.2	2.8	2.9	3.2	3.
2001–02	3.3	3.4	3.0	3.1	3.2	2.8	2.9	3.2	3
2001–02 	3.3	3.4	3.0	3.1	3.2	2.8	2.9	3.2	3
• • • • • • • • • • •	3.3	3.4	3.0	3.1	3.2 JARTER C	2.8	2.9	3.2	3
2001	3.3 CHANGE	3.4 FROM (	3.0 CORRESPO	3.1 NDING QU	3.2	2.8 F PREVIO	2.9 US YEAR	3.2	3
<b>2001</b> March	3.3 CHANGE 4.0	3.4 FROM 0	3.0 CORRESPO 3.4	3.1 NDING QU 3.0	3.2 JARTER C	2.8 F PREVIO 2.6	2.9 US YEAR 3.1	3.2 (%)	3 3 3
<b>2001</b> March June	3.3 CHANGE 4.0 3.9	3.4 FROM 0 3.3 3.5	3.0 CORRESPO 3.4 3.3	3.1 NDING QU 3.0 3.0	3.2 JARTER C 4.1 4.4	2.8 PF PREVIO 2.6 2.8	2.9 US YEAR 3.1 2.7	3.2 (%) 4.1 4.0	3 3 3 3
2001 March June September December	3.3 CHANGE 4.0 3.9 3.5	3.4 FROM 0 3.3 3.5 3.7	3.0 CORRESPO 3.4 3.3 3.2	3.1 NDING QU 3.0 3.0 3.0	3.2 JARTER C 4.1 4.4 3.6	2.8 PF PREVIO 2.6 2.8 3.0	2.9 US YEAR 3.1 2.7 2.8	3.2 (%) 4.1 4.0 3.2	3 3 3 3
<b>2001</b> March  June  September	3.3 CHANGE 4.0 3.9 3.5	3.4 FROM 0 3.3 3.5 3.7	3.0 CORRESPO 3.4 3.3 3.2	3.1 NDING QU 3.0 3.0 3.0	3.2 JARTER C 4.1 4.4 3.6	2.8 PF PREVIO 2.6 2.8 3.0	2.9 US YEAR 3.1 2.7 2.8	3.2 (%) 4.1 4.0 3.2	3 3 3 3 3
2001 March June September December 2002	3.3 CHANGE 4.0 3.9 3.5 3.5	3.4 FROM (3.3 3.5 3.7 3.3	3.0 CORRESPO 3.4 3.3 3.2 3.0	3.1 NDING QU 3.0 3.0 3.0 3.0	3.2 JARTER C 4.1 4.4 3.6 3.6	2.8 PF PREVIO 2.6 2.8 3.0 2.8	2.9 US YEAR 3.1 2.7 2.8 2.8	3.2 (%) 4.1 4.0 3.2 3.2	3 3 3 3 3
2001 March June September December 2002 March	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2	3.4 FROM (3.3 3.5 3.7 3.3 3.4	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9	3.1 NDING QU 3.0 3.0 3.0 3.0 3.0	3.2 JARTER C 4.1 4.4 3.6 3.6 2.9	2.8 F PREVIO 2.6 2.8 3.0 2.8 2.8	2.9 US YEAR 3.1 2.7 2.8 2.8 2.9	3.2 (%) 4.1 4.0 3.2 3.2 3.0	3 3 3 3 3
2001  March June September December 2002  March June September December	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0	3.1 NDING QU 3.0 3.0 3.0 3.0 3.0	3.2 JARTER C 4.1 4.4 3.6 3.6 2.9 2.7	2.8 PF PREVIO 2.6 2.8 3.0 2.8 2.8 2.8	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1	3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3	3.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8	2.8 PF PREVIO 2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2	3 3 3 3 3 3 3
2001  March June September December 2002  March June September	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3	3.1 NDING QU 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6	2.8 OF PREVIO 2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.2	3 3 3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3	3.1 NDING QU 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6	2.8 OF PREVIO 2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.2	3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3 3.2	3.1 NDING QU 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6	2.8 OF PREVIO 2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.2	3 3 3 3 3 3 3 3 3
2001  March June September December 2002  March June September December	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3 3.2	3.1 NDING QU 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6	2.8 OF PREVIO 2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.2	3 3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003  March	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.3 3.2 4ANGE FRO	3.1 NDING QU 3.0 3.0 3.0 3.0 3.1 3.2 3.7 4.1 3.8	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6	2.8  OF PREVIO  2.6 2.8 3.0 2.8 2.8 3.1 3.4 3.1 3.1 RTER (%)	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4	3 3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003  March	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5	3.4 FROM 0 3.3 3.5 3.7 3.3 3.4 3.7 3.6 CH	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3 3.2 ANGE FRO	3.1 NDING QU 3.0 3.0 3.0 3.0 3.2 3.7 4.1 3.8	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 OUS QUAI	2.8 2.6 2.8 3.0 2.8 2.8 3.1 3.4 3.1 3.1 3.1 0.0000000000000000000000000	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4	3 3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003  March  March June September 2001  March June September December	3.3 CHANGE 4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5	3.4 FROM (3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6 CH	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3 3.2 ANGE FRO	3.1 NDING QU 3.0 3.0 3.0 3.0 3.1 3.2 3.7 4.1 3.8 M PREVIO	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 OUS QUAI	2.8  2.6 2.8 3.0 2.8 2.8 3.1 3.4 3.1 3.1 RTER (%)  0.6 0.5	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0  0.5 0.2	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4	33333333
2001  March June September December 2002  March June September December 2003  March  March June September December 2001  March June September December December December	3.3  CHANGE  4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5  0.9 0.6 1.3 0.6	3.4 3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6 CH 0.5 0.9 1.3 0.5	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3 3.2 ANGE FRO 0.8 0.4 0.9 0.9	3.1  NDING QU  3.0 3.0 3.0 3.0 3.0 3.1 3.8  M PREVIO	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 DUS QUAI  1.5 0.8 0.5 0.7	2.8  2.6 2.8 3.0 2.8 2.8 3.1 3.4 3.1  RTER (%)  0.6 0.5 1.1 0.6	2.9  US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0  0.5 0.2 1.5 0.7	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4  0.8 0.4 1.3 0.5	333333333
2001  March June September December 2002  March June September December 2003  March  March June September 2001  March June September December 2001  March June September December 2002  March	3.3  CHANGE  4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5  0.9 0.6 1.3 0.6 0.6	3.4 3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6 CH 0.5 0.9 1.3 0.5	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.0 2.9 3.3 3.2 ANGE FRO 0.8 0.4 0.9 0.9	3.1  NDING QU  3.0 3.0 3.0 3.0 3.0 3.1 3.8  M PREVIO	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 DUS QUAI  1.5 0.8 0.5 0.7 0.8	2.8  2.6 2.8 3.0 2.8 2.8 3.1 3.4 3.1 3.1  RTER (%)  0.6 0.5 1.1 0.6 0.6	2.9 US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0  0.5 0.2 1.5 0.7 0.5	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4 0.8 0.8 0.4 1.3 0.5 0.7	3 3 3 3 3 3 3
2001  March June September December 2002  March June September December 2003  March June September 2001  March June September December 2001  March June September December December December December December December December	3.3  CHANGE  4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5  0.9 0.6 1.3 0.6 0.6 0.5	3.4 3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6 CH 0.5 0.9 1.3 0.5 0.6 0.8	3.0 3.4 3.3 3.2 3.0 2.9 3.3 3.2 4.0 2.9 3.3 3.2 0.8 0.4 0.9 0.9 0.9	3.1  NDING QU  3.0  3.0  3.0  3.0  3.1  3.8  M PREVIO	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 0.00 QUAI 1.5 0.8 0.5 0.7 0.8 0.7	2.8  2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1 3.1  RTER (%)  0.6 0.5 1.1 0.6 0.6 0.4	2.9  US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0  0.5 0.2 1.5 0.7 0.5 0.4	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4  0.8 0.4 1.3 0.5 0.7 0.5	3 3 3 3 3 3 3 3 3 3 0 0 0 0
2001  March June September December 2002  March June September December 2003  March  March June September 2001  March June September December 2002  March June September December	3.3  CHANGE  4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5  0.9 0.6 1.3 0.6 0.6 0.5 1.5	3.4 3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6 CH 0.5 0.9 1.3 0.5 0.6 0.8 1.5	3.0 CORRESPO 3.4 3.3 3.2 3.0 2.9 3.3 3.2 4 ANGE FRO 0.8 0.4 0.9 0.9 0.9	3.1  NDING QU  3.0  3.0  3.0  3.0  3.1  3.8  M PREVIO	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 0.00 QUAI  1.5 0.8 0.5 0.7 0.8 0.7 1.6	2.8  OF PREVIO  2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1 3.4 3.1 0.6 0.6 0.5 1.1 0.6 0.6 0.4 1.3	2.9  US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0  0.5 0.2 1.5 0.7 0.5 0.4 1.6	3.2 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4 0.8 0.4 1.3 0.5 0.7 0.5 1.4	3 3 3 3 3 3 3 3 3 3 0 0 0 0 0
2001  March June September December 2002  March June September December 2003  March  June September 2001  March June September December 2001  March June September December June September December June September December	3.3  CHANGE  4.0 3.9 3.5 3.5 3.2 3.1 3.2 3.3 3.5  0.9 0.6 1.3 0.6 0.6 0.5	3.4 3.3 3.5 3.7 3.3 3.4 3.3 3.4 3.7 3.6 CH 0.5 0.9 1.3 0.5 0.6 0.8	3.0 3.4 3.3 3.2 3.0 2.9 3.3 3.2 4.0 2.9 3.3 3.2 0.8 0.4 0.9 0.9 0.9	3.1  NDING QU  3.0  3.0  3.0  3.0  3.1  3.8  M PREVIO	3.2 4.1 4.4 3.6 3.6 2.9 2.7 3.9 3.8 3.6 0.00 QUAI 1.5 0.8 0.5 0.7 0.8 0.7	2.8  2.6 2.8 3.0 2.8 2.8 2.8 3.1 3.4 3.1 3.1  RTER (%)  0.6 0.5 1.1 0.6 0.6 0.4	2.9  US YEAR  3.1 2.7 2.8 2.8 2.9 3.1 3.2 2.9 3.0  0.5 0.2 1.5 0.7 0.5 0.4	3.2 (%) 4.1 4.0 3.2 3.2 3.0 3.1 3.2 3.2 3.4  0.8 0.4 1.3 0.5 0.7 0.5	3 3 3 3 3 3 3 3

<sup>(</sup>a) Reference base of each index: September quarter 1997=100.0.



# TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES, Public sector

South South Western Northern Capital Wales Australia Australia Period Victoria Queensland Australia Tasmania Territory Territory INDEX NUMBERS(a) 1998-99 106.7 104.3 104.5 103.9 103.8 103.3 105.3 103.9 105.0 1999-2000 109.7 107.1 108.5 107.6 106.9 106.3 108.2 106.0 108.2 112.2 111.6 2000-01 113.4 110.9 110.2 109.8 111.0 109.4 111.9 2001-02 116.9 115.1 116.4 115.9 113.8 113.8 114.8 112.8 115.7 2000 108.9 March 109.9 107.6 107.8 107.6 106.5 108.7 106.3 108.5 June 110.7 108.0 109.3 109.0 107.8 107.0 108.9 106.6 109.1 September 112.1 109.2 110.3 109.8 108.5 108.7 109.2 108.2 110.3 December 112.7 110.0 111.5 110.9 109.4 109.3 111.5 109.1 111.2 2001 March 114.1 111.7 112.9 112.7 111.2 109.8 111.7 110.0 112.6 114.5 June 112.7 114.2 113.0 111.5 111.2 111.7 110.3 113.3 September 115.6 113.6 115.6 113.8 112.5 112.5 112.1 112.0 114.4 December 116.1 114.1 115.9 116.1 113.4 112.9 115.5 112.7 115.1 2002 116.5 March 117.9 115.6 116.8 114.5 114.5 115.8 113.1 116.4 June 118.0 116.9 117.5 116.9 114.9 115.1 115.9 113.5 116.9 September 119.1 118.1 118.7 118.5 116.7 116.3 116.7 115.2 118.2 December 120.0 119.2 119.0 120.4 117.3 117.6 117.1 116.4 119.1 2003 March 123.7 120.0 120.8 120.8 117.8 117.6 121.1 CHANGE FROM PREVIOUS FINANCIAL YEAR (%) 1999-2000 2.8 2.7 3.8 3.6 3.0 2.9 2.8 2.0 3.0 2000-01 3 4 35 34 3 7 3 1 33 2.6 32 34 2001-02 3.1 3.7 3.9 3.3 CHANGE FROM CORRESPONDING QUARTER OF PREVIOUS YEAR (%) 2001 March 3.8 3.8 3.7 4.5 3.3 2.8 3.5 3.1 3.8 June 3.4 4.4 4.5 3.7 3.4 3.9 2.6 3.5 3.8 September 4.8 3.1 4.0 3.6 3.7 3.5 2.7 3.5 3.7 December 3.0 3.7 3.9 4.7 3.7 3.3 3.6 3.3 2002 3.5 3.2 3.6 3.0 4.3 3.7 2.8 March 3.3 3.4 2.9 3.5 3.1 3.7 3.0 3.5 2.9 3.2 September 4.0 2.7 4.1 3.7 3.4 4.1 2.9 3.3 3.0 December 3.4 4.5 2.7 3.7 3.4 4.2 3.3 3.5 2003 March 4.9 3.8 3.7 3.4 4.0 2.9 3.1 CHANGE FROM PREVIOUS QUARTER (%) 2001 March 1.2 1.5 1.3 1.6 1.6 0.5 0.2 0.8 1.3 June 0.4 0.9 1.2 0.3 0.3 1.3 0.0 0.3 0.6 September 1.0 0.8 1.2 0.7 0.9 1.2 1.5 December 0.4 0.4 0.3 2.0 0.8 0.4 3.0 0.6 0.6 2002 March 0.5 1.6 1.3 0.6 1.0 1.4 0.3 1.1 June 0.1 1.1 0.9 0.1 0.3 0.5 0.1 0.4 0.4 September 0.9 1.0 1.0 1.4 1.6 1.0 0.7 1.5 1.1 December 0.8 0.9 0.3 1.6 0.5 1.1 0.3 1.0 0.8 2003 March 3.1 0.7 1.5 0.3 1.5 0.2 2.0 1.0

<sup>(</sup>a) Reference base of each index: September guarter 1997=100.0.



# TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES, Sector by Industry—Index numbers(a)

	FINANCIAL	FINANCIAL YEAR				QUARTER			
					Mar Qtr	Jun Qtr	Sep Qtr	Dec Qtr	Mar Qtr
Industry	1998–99	1999–2000	2000-01	2001-02	2002	2002	2002	2002	2003
• • • • • • • • • • • • • • • • • • • •									• • • • •
		PRIV	/ATE						
Mining	103.7	106.4	109.6	113.4	114.2	114.8	116.5	117.4	117.9
Manufacturing	104.8	107.8	111.6	115.4	115.7	116.6	118.2	119.3	120.1
Electricity, gas and water supply	104.5	108.1	111.3	116.3	116.5	117.8	119.7	120.5	120.8
Construction	105.0	108.1	112.8	116.7	117.3	117.7	119.6	120.1	121.5
Wholesale trade	103.5	106.2	110.0	113.1	113.2	114.1	116.0	116.7	117.3
Retail trade	103.3	105.7	108.5	111.2	111.6	112.2	113.7	114.5	115.2
Accommodation, cafes and restaurants	103.3	105.7	109.1	112.2	112.6	113.0	114.7	116.0	116.8
Transport and storage	103.7	106.4	109.3	112.1	112.4	112.8	113.8	115.3	116.3
Communication services	102.9	107.3	111.1	116.1	116.2	116.4	118.5	118.7	119.2
Finance and insurance	105.0	108.5	112.5	117.0	117.6	118.5	119.3	120.9	121.4
Property and business services	104.4	108.4	113.2	117.1	117.4	118.1	120.1	120.7	121.3
Education	103.8	107.2	111.2	115.1	115.3	116.4	118.0	118.4	120.6
Health and community services	104.2	106.5	109.4	113.4	113.9	114.4	115.7	116.6	117.4
Cultural and recreational services	103.2	105.2	108.8	112.5	113.1	113.7	115.2	116.4	117.7
Personal and other services	102.8	105.6	108.7	113.0	113.3	114.1	115.2	116.0	116.7
All industries	104.2	107.1	110.9	114.5	114.9	115.6	117.2	118.1	118.9
• • • • • • • • • • • • • • • • • • • •									
		PUE	BLIC						
Government administration and defence	104.7	107.8	111.1	114.8	115.4	115.6	116.8	118.1	119.7
Education	105.3	108.0	112.0	116.6	116.6	118.1	120.2	121.0	122.8
Health and community services	106.4	109.7	113.1	116.6	117.4	117.9	118.4	119.0	122.7
Cultural and recreational services	105.1	107.3	110.3	113.2	113.7	113.9	115.6	116.5	117.7
Personal and other services	105.5	109.5	113.1	116.6	118.0	118.2	119.6	120.0	122.6
All industries(b)	105.0	108.2	111.9	115.7	116.4	116.9	118.2	119.1	121.1
• • • • • • • • • • • • • • • • • • • •	• • • • • • •				• • • • • •	• • • • •	• • • • •	• • • • •	• • • • •
		PRIVATE A	ND PUBLI	C					
Mining	103.7	106.4	109.6	113.3	114.1	114.8	116.5	117.4	117.9
Manufacturing	104.8	107.8	111.6	115.4	115.6	116.6	118.2	119.3	120.1
Electricity, gas and water supply	104.6	108.7	112.9	117.8	118.7	119.1	121.0	122.3	123.3
Construction	105.1	108.2	112.9	116.6	117.1	117.5	119.2	119.9	121.4
Wholesale trade	103.5	106.2	110.0	113.1	113.2	114.1	116.0	116.7	117.3
Retail trade	103.3	105.7	108.5	111.3	111.7	112.2	113.7	114.6	115.2
Accommodation, cafes and restaurants	103.3	105.7	109.1	112.2	112.6	113.0	114.7	116.0	116.7
Transport and storage	103.7	106.4	109.7	112.6	112.9	113.5	114.5	115.9	117.2
Communication services	102.9	107.0	110.6	114.6	115.8	115.8	116.4	117.1	117.5
Finance and insurance	105.0	108.5	112.4	116.8	117.4	118.2	119.0	120.6	121.3
Property and business services Government administration and defence	104.5 104.7	108.5 107.8	113.2 111.1	117.1 114.8	117.5 115.4	118.1 115.6	120.1 116.8	120.7 118.1	121.3 119.7
Education	104.7	107.8	111.1	114.8	116.2	117.5	119.5	120.2	122.1
Health and community services	104.8	107.7	111.0	114.8	115.4	117.5	116.9	117.7	119.8
Cultural and recreational services	103.2	107.9	109.3	114.8	113.4	113.9	115.4	116.5	117.7
Personal and other services	104.0	107.3	110.6	114.6	115.4	115.9	117.1	117.8	119.4

<sup>(</sup>a) Reference base of each index: September quarter 1997=100.0.

<sup>(</sup>b) Includes those industries not separately listed.



# TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES, Sector by Industry—Percentage Changes

FROM CORRESPONDING **OUARTER OF** FROM PREVIOUS FINANCIAL YEAR FROM PREVIOUS QUARTER PREVIOUS YEAR Mar Mar Sep Mar Mar Jun Dec Otr Otr Otr Otr Otr Otr Otr 1999–2000 2000–01 Industry 2001-02 2001 2002 2003 2002 2002 2002 2003 PRIVATE 2.6 0.5 3.0 3.5 3.3 3.6 3.2 1.5 0.8 0.4 Mining Manufacturing 2.9 3.4 3.0 8.0 1.4 0.9 0.7 3.5 3.9 3.8 Electricity, gas and water supply 3.4 4.5 3.0 4.3 0.7 3.0 3.7 1.1 1.6 0.2 Construction 3.0 4.3 3.5 4.2 3.6 3.6 0.3 1.6 0.4 1 2 Wholesale trade 2.6 3.6 2.8 3.5 2.6 3.6 0.8 1.7 0.6 0.5 Retail trade 2.3 2.6 2.5 2.5 2.6 3.2 0.5 1.3 0.7 0.6 Accommodation, cafes and restaurants 2.3 3.2 2.8 3.2 2.9 3.7 0.4 1.5 1.1 0.7 2.7 2.6 0.4 Transport and storage 2.6 3.0 2.4 3.5 0.9 1.3 0.9 Communication services 4.3 3.5 4.5 3.7 3.9 2.6 0.2 1.8 0.2 0.4 Finance and insurance 3.3 3.7 4.0 3.9 4.0 3.2 8.0 0.7 1.3 0.4 Property and business services 3.8 4.4 3.4 4.8 3.1 33 0.6 1.7 0.5 0.5 Education 3.3 3.7 3.5 3.7 3.3 4.6 1.0 1.4 0.3 1.9 Health and community services 2.7 1.1 2.2 27 3.7 39 3 1 0.8 0.40.7Cultural and recreational services 1.9 3.4 3.4 3.8 3.1 4.1 0.5 1.3 1.0 1.1 1.0 0.7 Personal and other services 3.4 3.8 2.7 2.9 4.0 3.0 0.7 0.6 All industries 2.8 3.5 3.2 3.6 3.1 3.5 0.6 1.4 0.8 0.7 PUBLIC Government administration and defence 3.0 3.1 3.3 3.4 3.3 0.2 1.0 3.7 1.1 1.4 Education 2.6 3.7 4.1 4.3 3.4 5.3 1.3 1.8 0.7 1.5 Health and community services 3.1 3.1 3.1 3.6 3.3 4.5 0.4 0.4 0.5 3.1 Cultural and recreational services 1.5 2.1 2.8 2.6 3.0 2.8 3.5 0.2 0.8 1.0 Personal and other services 3.8 3.3 3.1 3.0 3.9 3.9 0.2 1.2 0.3 2.2 3.0 3.4 3.4 3.8 All industries(a) 3.4 4.0 0.4 1.1 0.8 1.7 PRIVATE AND PUBLIC Mining 2.6 3.0 3.4 3.2 3.6 3.3 0.6 1.5 8.0 0.4 Manufacturing 2.9 3.5 3.4 3.9 2.9 3.9 0.9 1.4 0.9 0.7 Electricity, gas and water supply 3.9 3.9 4.3 3.7 4.6 3.9 0.3 1.6 1.1 0.8 Construction 2.9 4.3 3.3 4.1 3.4 3.7 0.3 1.4 0.6 1.3 Wholesale trade 2.6 3.6 2.8 3.5 2.6 3.6 0.8 1.7 0.6 0.5 Retail trade 2.3 2.6 2.6 2.6 2.6 3.1 0.4 1.3 8.0 0.5 Accommodation, cafes and restaurants 2.3 3.2 2.8 3.2 0.4 1.5 2.9 3.6 1.1 0.6 Transport and storage 2.6 3.1 2.6 3.5 2.4 3.8 0.5 0.9 1.2 1.1 Communication services 4.0 3.4 3.6 3.9 3.3 1.5 0.0 0.5 0.6 0.3 Finance and insurance 3.3 3.6 3.9 3.7 4.0 3.3 0.7 0.7 1.3 0.6 Property and business services 3.8 4.3 3.4 4.8 3.2 3.2 0.5 1.7 Government administration and defence 3.3 3.3 3.0 3.1 3.4 3.7 0.2 1.0 1.1 1.4 Education 2.8 3.8 3.8 4.2 3.4 5.1 1.7 1.1 0.6 1.6 Health and community services 2.6 2.9 3.4 3.1 3.6 3.8 0.4 0.9 0.7 1.8 Cultural and recreational services 2.0 3.2 3.1 3.4 3.1 3.9 0.4 1.5 1.0 1.0 Personal and other services 3.2 3.1 3.6 3.2 3.8 3.5 0.4 1.0 0.6 1.4 All industries 2.9 3.4 3.7 3.1 3.3 3.6 0.6 1.3 0.9

<sup>(</sup>a) Includes those industries not separately listed.



# TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES, Sector by Occupation—Index numbers(a)

	FINANCIAL	_ YEAR			QUARTER				
Occupation	1998-99	1999–2000	2000-01	2001–02	Mar Qtr 2002	Jun Qtr 2002	Sep Qtr 2002	Dec Qtr 2002	Mar Qtr 2003
									• • • • •
		PRIVAT	E						
Managers and administrators	104.9	108.2	112.2	116.0	116.2	117.3	118.8	119.8	120.3
Professionals	104.8	107.9	112.2	116.5	116.8	117.6	119.3	120.3	121.3
Associate professionals	104.0	106.9	110.9	114.3	114.7	115.5	116.6	117.5	118.3
Tradepersons and related workers	104.4	107.2	110.8	114.4	114.8	115.3	117.2	118.0	119.0
Advanced clerical and service workers	104.1	106.9	110.3	113.0	113.3	113.8	115.0	116.2	116.9
Intermediate clerical, sales and service workers	103.4	106.3	109.6	113.0	113.4	114.1	115.7	116.8	117.5
Intermediate production and transport workers	104.1	106.6	110.0	113.3	113.8	114.2	115.7	116.8	117.3
Elementary clerical, sales and service workers	103.2	105.6	109.0	111.8	111.9	112.8	114.3	115.3	116.2
Labourers and related workers	103.9	106.5	109.8	113.2	113.7	114.2	115.8	116.9	117.5
All occupations	104.2	107.1	110.9	114.5	114.9	115.6	117.2	118.1	118.9
rui occupations	10 1.2	107.1	110.0	111.0	11 1.0	110.0	111.2	110.1	110.0
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	PUBLI	C	• • • • • • • •		• • • • •	• • • • •	• • • • •	• • • • •
Managana and administration	4047	107.0	444.0	4454	445.0	4400	447.4	440.0	400.0
Managers and administrators	104.7	107.9	111.6	115.1	115.6	116.0	117.4	118.3	120.9
Professionals	105.2	108.1	112.0	116.4	116.7	117.8	119.3	120.2	122.4
Associate professionals	105.2	108.8	112.5	116.1	117.1	117.4	118.6	119.3	121.3
Tradepersons and related workers	104.4	108.0	111.8	115.7	116.5 117.0	116.9 117.2	118.1 118.4	119.3	120.6 121.2
Advanced clerical and service workers	106.6	109.3	112.4	116.1				119.5	
Intermediate clerical, sales and service workers	105.0	108.3	111.6	115.0	115.7	116.0	116.9	117.9	119.8
Intermediate production and transport workers	104.6	107.4	110.9	114.6	115.3	116.2	117.1	118.4	120.4
Elementary clerical, sales and service workers	105.0	109.1	112.0	115.6	116.8	117.0	117.3	118.0	119.2
Labourers and related workers	106.4	109.6	113.0	116.4	116.9	117.5	118.2	119.8	121.7
All occupations	105.0	108.2	111.9	115.7	116.4	116.9	118.2	119.1	121.1
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • • •			• • • • •		• • • • •
	PR	IVATE AND	PUBLIC						
Managers and administrators	104.8	108.2	112.1	115.8	116.1	117.1	118.5	119.5	120.5
Professionals	104.9	108.0	112.1	116.5	116.8	117.7	119.3	120.2	121.7
Associate professionals	104.4	107.4	111.3	114.8	115.4	116.0	117.2	118.0	119.2
Tradepersons and related workers	104.4	107.3	110.9	114.6	115.0	115.6	117.3	118.1	119.2
Advanced clerical and service workers	104.5	107.2	110.6	113.4	113.8	114.2	115.4	116.6	117.5
Intermediate clerical, sales and service workers	103.8	106.8	110.1	113.5	113.9	114.6	116.0	117.0	118.0
Intermediate production and transport workers	104.1	106.7	110.1	113.4	113.9	114.4	115.8	117.0	117.6
Elementary clerical, sales and service workers	103.6	106.3	109.7	112.6	112.9	113.7	114.9	115.9	116.8
Labourers and related workers	104.3	106.9	110.2	113.6	114.2	114.7	116.1	117.3	118.0
All occupations	104.4	107.4	111.1	114.8	115.2	115.9	117.4	118.3	119.4

<sup>(</sup>a) Reference base of each index: September quarter 1997=100.0.



Occupation

Professionals

All occupations

Professionals

All occupations

Professionals

**All occupations** 

Managers and administrators

Tradepersons and related workers

Labourers and related workers

Managers and administrators

Tradepersons and related workers

Labourers and related workers

Managers and administrators

Tradepersons and related workers

Labourers and related workers

Advanced clerical and service workers

Intermediate clerical, sales and service workers

Intermediate production and transport workers

Elementary clerical, sales and service workers

Associate professionals

Associate professionals

Associate professionals

# TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES. Sector by Occupation—Percentage Changes

2.8

2.6

2.9

2.5

2.6

2.5

2.9

3.4

3.2

3.1

3.2

3.2

3.1

3.4

FROM CORRESPONDING **OUARTER OF** FROM PREVIOUS QUARTER FROM PREVIOUS FINANCIAL YEAR PREVIOUS YEAR Mar Mar Sep Dec Mar Mar Jun Otr Otr Otr Otr Otr Otr Otr 1999-2000 2000-01 2001-02 2001 2002 2003 2002 2002 2002 2003 PRIVATE 2.9 3.5 0.9 3.1 3.7 3.4 4.1 1.3 0.8 0.4 3.0 4.0 3.8 4.4 3.5 3.9 0.7 1.4 0.8 0.8 3.7 1.0 0.7 2.8 3.7 3.1 3.1 3.1 0.7 0.8 2.7 3.4 3.2 3.4 3.1 3.7 0.4 1.6 0.7 0.8 Advanced clerical and service workers 2.7 3.2 2.4 3.6 2.3 3.2 0.4 1.1 1.0 0.6 Intermediate clerical, sales and service workers 2.8 3.1 2.9 3.3 3.6 0.6 1.4 1.0 0.6 3.1 Intermediate production and transport workers 2.4 3.2 3.0 3.4 3.0 3.1 0.4 1.3 1.0 0.4 Elementary clerical, sales and service workers 2.3 3.2 3.3 0.8 1.3 0.8 2.6 2.3 3.8 0.9 2.5 3.1 3.1 3.3 3.1 3.3 0.4 1.4 0.9 0.5 0.8 2.8 3.5 3.2 3.6 3.1 3.5 0.6 1.4 0.7 PUBLIC 3.4 3.1 3.1 3.6 3.1 4.6 0.3 1.2 0.8 2.2 2.8 3.6 3.9 4.2 3.5 4.9 0.9 1.3 0.8 1.8 3.4 3.6 3.6 0.3 3.4 3.2 3.4 1.0 0.6 1.7 3.6 3.4 3.5 3.5 3.6 3.5 0.3 1.0 1.0 1.1 3.3 0.2 Advanced clerical and service workers 2.5 2.8 3.3 3.4 3.6 1.0 0.9 1.4 Intermediate clerical, sales and service workers 3.1 3.0 3.0 3.5 3.0 3.5 0.3 0.8 0.9 1.6 Intermediate production and transport workers 2.7 3.3 3.3 3.7 3.2 4.4 8.0 8.0 1.1 1.7 Elementary clerical, sales and service workers 3.9 2.7 3.2 2.8 3.4 2.1 0.2 0.3 0.6 1.0 3.0 3.1 3.0 3.4 3.0 4.1 0.5 0.6 1.4 1.6 3.0 3.4 3.4 3.8 3.4 4.0 0.4 1.1 0.8 1.7 PRIVATE AND PUBLIC 3.2 3.6 3.3 4.0 2.9 3.8 0.9 1.2 0.8 8.0 3.0 4.3 3.5 4.2 0.8 1.4 1.2 3.8 3.9 0.8 2.9 3.6 3.1 3.6 3.2 3.3 0.5 1.0 0.7 1.0

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## ORDINARY TIME HOURLY RATES OF PAY EXCLUDING BONUSES

Period	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Austral
			IN	DEX NUM					
1998-99	104.7	104.1	104.2	104.1	104.4	103.5	104.3	103.6	104
L999-2000	107.9	107.1	107.3	107.1	107.2	106.2	106.9	106.3	107
2000-01	111.9	110.8	110.7	110.6	111.1	109.2	109.9	110.1	111
2001–02	115.6	114.6	114.3	114.2	114.6	112.6	113.4	113.6	114
000									
March	108.1	107.5	107.7	107.5	107.6	106.5	107.2	106.6	107
June	109.0	107.3	108.1	107.3	108.1	106.9	107.6	107.1	108
September	110.6	109.4	109.1	109.2	109.5	108.1	108.7	108.9	109
December	111.3	110.3	110.4	110.2	110.2	108.9	110.0	109.8	110
001	111.5	110.5	110.4	110.2	110.2	100.5	110.0	105.0	
March	112.5	111.2	111.3	111.2	111.9	109.5	110.4	110.6	111
June	113.1	112.1	112.0	111.7	112.7	110.3	110.6	111.0	112
September	114.5	113.5	113.2	112.7	113.4	111.5	111.7	112.7	113
December	115.1	114.2	114.0	114.0	114.1	112.1	113.4	113.3	114
002	113.1	117.2	114.0	114.0	114.1	112.1	110.4	110.0	
March	116.1	114.9	114.7	114.9	115.1	113.1	114.0	113.9	11!
June	116.6	115.9	115.4	115.3	115.9	113.6	114.3	114.4	11
September	118.1	117.5	116.4	117.0	117.7	114.9	115.7	116.0	11
December	118.9	118.4	117.5	118.5	118.4	116.1	116.2	117.0	113
003	110.5	110.4	111.5	110.0	110.4	110.1	110.2	117.0	
March	120.5	119.1	118.5	119.2	119.3	116.5	117.6	118.1	119
• • • • • • • • •	• • • • • • • •		• • • • • • • •	• • • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • •	
		CHANG	E FROM P	REVIOUS	FINANCI	AL YEAR (	%)		
999–2000	3.1	2.9	3.0	2.9	2.7	2.6	2.5	2.6	:
000–01	3.7	3.5	3.2	3.3	3.6	2.8	2.8	3.6	;
	3.7 3.3	3.5 3.4	3.2 3.3			2.8 3.1		3.6 3.2	
2000–01 2001–02	3.3	3.4	3.3	3.3 3.3	3.6 3.2	3.1	2.8 3.2	3.2	3
001–02	3.3	3.4	3.3	3.3 3.3	3.6 3.2	3.1	2.8 3.2	3.2	;
001–02  001	3.3 CHANGE	3.4 FROM C	3.3 ORRESPOI	3.3 3.3 NDING QU	3.6 3.2 JARTER O	3.1 F PREVIO	2.8 3.2 US YEAR	3.2	
001–02 001 March	3.3 CHANGE 4.1	3.4 FROM C	3.3 ORRESPOI 3.3	3.3 3.3 NDING QU	3.6 3.2 JARTER O	3.1 F PREVIO 2.8	2.8 3.2 US YEAR 3.0	3.2 (%)	
001–02  001  March June	3.3 CHANGE 4.1 3.8	3.4 FROM C 3.4 3.6	3.3 ORRESPOI 3.3 3.6	3.3 3.3 NDING QU 3.4 3.2	3.6 3.2 JARTER O 4.0 4.3	3.1 PF PREVIO 2.8 3.2	2.8 3.2 US YEAR 3.0 2.8	3.2 (%) 3.8 3.6	
001–02  001  March June September	3.3 CHANGE 4.1 3.8 3.5	3.4 FROM C 3.4 3.6 3.7	3.3 ORRESPOI 3.3 3.6 3.8	3.3 3.3 NDING QU 3.4 3.2 3.2	3.6 3.2 JARTER 0 4.0 4.3 3.6	3.1 F PREVIO 2.8 3.2 3.1	2.8 3.2 US YEAR 3.0 2.8 2.8	3.2 (%) 3.8 3.6 3.5	
001–02  001  March June September December	3.3 CHANGE 4.1 3.8	3.4 FROM C 3.4 3.6	3.3 ORRESPOI 3.3 3.6	3.3 3.3 NDING QU 3.4 3.2	3.6 3.2 JARTER O 4.0 4.3	3.1 PF PREVIO 2.8 3.2	2.8 3.2 US YEAR 3.0 2.8	3.2 (%) 3.8 3.6	
001–02  001  March June September December 002	3.3 CHANGE 4.1 3.8 3.5 3.4	3.4 FROM C 3.4 3.6 3.7 3.5	3.3 ORRESPOI 3.3 3.6 3.8 3.3	3.3 3.3 NDING QU 3.4 3.2 3.2 3.4	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5	3.1 F PREVIO 2.8 3.2 3.1 2.9	2.8 3.2 US YEAR 3.0 2.8 2.8 3.1	3.2 (%) 3.8 3.6 3.5 3.2	
001–02  March June September December 002 March	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2	3.4 FROM C 3.4 3.6 3.7 3.5	3.3 ORRESPOI 3.3 3.6 3.8 3.3 3.1	3.3 3.3 NDING QU 3.4 3.2 3.2 3.4 3.3	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5	3.1 PF PREVIO 2.8 3.2 3.1 2.9 3.3	2.8 3.2 US YEAR 3.0 2.8 2.8 3.1 3.3	3.2 (%) 3.8 3.6 3.5 3.2 3.0	
001–02  March June September December 002 March June	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1	3.4 FROM C 3.4 3.6 3.7 3.5 3.3 3.4	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0	3.3 3.3 NDING QU 3.4 3.2 3.2 3.4 3.3 3.3	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5 2.9 2.8	3.1 PF PREVIO 2.8 3.2 3.1 2.9 3.3 3.0	2.8 3.2 US YEAR 3.0 2.8 2.8 3.1 3.3 3.3	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1	
001–02  March June September December 002 March June September	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1	3.4 FROM C 3.4 3.6 3.7 3.5 3.3 3.4 3.5	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0 2.8	3.3 3.3 NDING QU 3.4 3.2 3.2 3.4 3.3 3.2 3.8	3.6 3.2 JARTER O 4.0 4.3 3.6 3.5 2.9 2.8 3.8	3.1 PREVIO 2.8 3.2 3.1 2.9 3.3 3.0 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9	
001–02  March June September December  002 March June September June September December	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1	3.4 FROM C 3.4 3.6 3.7 3.5 3.3 3.4	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0	3.3 3.3 NDING QU 3.4 3.2 3.2 3.4 3.3 3.3	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5 2.9 2.8	3.1 PF PREVIO 2.8 3.2 3.1 2.9 3.3 3.0	2.8 3.2 US YEAR 3.0 2.8 2.8 3.1 3.3 3.3	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1	
001–02  March June September December  002 March June September December December	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1	3.3 3.3 NDING QU 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9	3.6 3.2 JARTER O 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3	
001–02  March June September December 002 March June September December 003 March	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December  002 March June September December December	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December 002 March June September December 003 March	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7	3.3 ORRESPOI 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December 002 March June September December 003 March	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7	3.3 ORRESPOI 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9	3.6 3.2 JARTER 0 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6	3.1 OF PREVIO 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December 002 March June September December 003 March	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7	3.3 ORRESPOI 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9 3.7	3.6 3.2 JARTER O 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6 OUS QUAR	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December 002 March June September Dune March June March December 003 March	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH.	3.3 ORRESPOI 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3	3.3 3.3 3.3 3.4 3.2 3.4 3.3 3.2 3.8 3.9 3.7	3.6 3.2 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 3.6	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December  002 March June September December  003 March  March  March June	3.3 CHANGE 4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH.	3.3 ORRESPOI  3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO  0.8 0.6	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6 0US QUAR	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 3.6 3.0	2.8 3.2 ***********************************	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7	
001–02  March June September December 002 March June September December 003 March  001 March June September	3.3  CHANGE  4.1 3.8 3.5 3.4  3.2 3.1 3.1 3.3 3.8  1.1 0.5 1.2	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH.	3.3 ORRESPON 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO 0.8 0.6 1.1	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.8 3.6 US QUAR 1.5 0.7 0.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 0.6 0.7 1.1	2.8 3.2 ***********************************	3.2 (%)  3.8 3.6 3.5 3.2  3.0 3.1 2.9 3.3  3.7  0.7  0.4  1.5	
001–02  March June September December 002 March June September December 003 March  001 March June September	3.3  CHANGE  4.1 3.8 3.5 3.4  3.2 3.1 3.1 3.3 3.8  1.1 0.5 1.2	3.4 3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH.	3.3 ORRESPON 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO 0.8 0.6 1.1	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 JARTER O 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.6 0US QUAR 1.5 0.7 0.6 0.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 0.6 0.7 1.1	2.8 3.2 ***********************************	3.2 (%)  3.8 3.6 3.5 3.2  3.0 3.1 2.9 3.3  3.7  0.7  0.4  1.5	
001–02  March June September December 002 March June September December 003 March  001 March June September December 002 March March June March June September December Odd March June September December March June September December March March June September December	3.3  CHANGE  4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8  1.1 0.5 1.2 0.5 0.9	3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH. 0.8 0.8 0.8 1.2 0.6 0.6	3.3 ORRESPON 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO 0.8 0.6 1.1 0.7 0.6	3.3 3.3 3.3 3.4 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.6 0US QUAR 1.5 0.7 0.6 0.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 0.6 0.7 1.1 0.5 0.9	2.8 3.2 ***********************************	3.2 (%)  3.8 3.6 3.5 3.2  3.0 3.1 2.9 3.3  3.7  0.7  0.4  1.5  0.5  0.5	
001–02  March June September December 002 March June September December 003 March  March June September 001 March June September 002 March June September December	3.3  CHANGE  4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8  1.1 0.5 1.2 0.5 0.9 0.4	3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH 0.8 0.8 0.8 1.2 0.6 0.6 0.9	3.3 ORRESPON 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO  0.8 0.6 1.1 0.7 0.6 0.6	3.3 3.3 3.3 3.4 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 JARTER O 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.6 0US QUAR 1.5 0.7 0.6 0.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 0.6 0.7 1.1 0.5 0.9 0.4	2.8 3.2  US YEAR  3.0 2.8 2.8 3.1 3.3 3.6 2.5 3.2  0.4 0.2 1.0 1.5 0.5 0.3	3.2 (%)  3.8 3.6 3.5 3.2  3.0 3.1 2.9 3.3  3.7  0.7  0.4  1.5  0.5  0.5  0.4	
001–02  March June September December 002 March June September December 003 March June September 001 March June September December 002 March June September December	3.3  CHANGE  4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8  1.1 0.5 1.2 0.5 0.9 0.4 1.3	3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH 0.8 0.8 0.8 1.2 0.6 0.6 0.9 1.4	3.3 ORRESPON 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO  0.8 0.6 1.1 0.7 0.6 0.6 0.9	3.3 3.3 3.3 3.4 3.2 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.6 0US QUAR 1.5 0.7 0.6 0.6 0.9 0.7 1.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 0.6 0.7 1.1 0.5 0.9 0.4 1.1	2.8 3.2  US YEAR  3.0 2.8 2.8 3.1 3.3 3.6 2.5 3.2  0.4 0.2 1.0 1.5 0.5 0.3 1.2	3.2 (%) 3.8 3.6 3.5 3.2 3.0 3.1 2.9 3.3 3.7  0.7 0.4 1.5 0.5 0.5 0.4 1.4	
001–02  March June September December 002 March June September December 003 March  001 March June September December 002 March June September December 002 March June	3.3  CHANGE  4.1 3.8 3.5 3.4 3.2 3.1 3.1 3.3 3.8  1.1 0.5 1.2 0.5 0.9 0.4	3.4 3.6 3.7 3.5 3.3 3.4 3.5 3.7 3.7 CH 0.8 0.8 0.8 1.2 0.6 0.6 0.9	3.3 ORRESPON 3.3 3.6 3.8 3.3 3.1 3.0 2.8 3.1 3.3 ANGE FRO  0.8 0.6 1.1 0.7 0.6 0.6	3.3 3.3 3.3 3.4 3.2 3.4 3.3 3.2 3.8 3.9 3.7 M PREVIO	3.6 3.2 JARTER O 4.0 4.3 3.6 3.5 2.9 2.8 3.8 3.6 0US QUAR 1.5 0.7 0.6 0.6	3.1 2.8 3.2 3.1 2.9 3.3 3.0 3.0 3.6 3.0 0.6 0.7 1.1 0.5 0.9 0.4	2.8 3.2  US YEAR  3.0 2.8 2.8 3.1 3.3 3.6 2.5 3.2  0.4 0.2 1.0 1.5 0.5 0.3	3.2 (%)  3.8 3.6 3.5 3.2  3.0 3.1 2.9 3.3  3.7  0.7  0.4  1.5  0.5  0.5  0.4	

<sup>(</sup>a) Reference base of each index: September quarter 1997=100.0.



# ORDINARY TIME HOURLY RATES OF PAY EXCLUDING BONUSES, Sector by Industry—Index numbers(a)

	FINANCIAL	. YEAR			QUARTI	ER			
					Mar Qtr	Jun Qtr	Sep Qtr	Dec Qtr	Mar Qtr
Industry	1998–99	1999–2000	2000-01	2001–02	2002	2002	2002	2002	2003
PRIVATE									
Mining	103.7	106.4	109.7	113.3	114.1	114.7	116.4	117.4	117.9
Manufacturing	104.9	107.9	111.7	115.4	115.7	116.6	118.2	119.4	120.2
Electricity, gas and water supply	104.7	108.2	111.4	116.5	116.7	118.0	119.9	120.7	121.0
Construction	104.8	107.9	112.6	116.5	117.1	117.5	119.4	119.9	121.3
Wholesale trade	103.5	106.2	110.0	113.1	113.2	114.1	116.0	116.7	117.3
Retail trade	103.3	105.8	108.5	111.3	111.7	112.2	113.7	114.5	115.2
Accommodation, cafes and restaurants	103.4	105.8	109.2	112.3	112.7	113.1	114.8	116.1	116.9
Transport and storage	103.8	106.4	109.3	112.0	112.4	112.8	113.7	115.1	116.2
Communication services	103.0	107.3	111.3	116.2	116.3	116.5	118.6	118.8	119.4
Finance and insurance	105.0	108.6	112.5	117.0	117.6	118.5	119.3	120.9	121.5
Property and business services	104.4	108.5	113.2	117.2	117.5	118.2	120.2	120.8	121.3
Education	103.8	107.2	111.2	115.1	115.3	116.4	118.0	118.4	120.7
Health and community services	104.2	106.5	109.4	113.4	113.9	114.4	115.7	116.6	117.4
Cultural and recreational services	103.2	105.2	108.8	112.4	113.0	113.6	115.2	116.3	117.6
Personal and other services	102.7	105.5	108.6	112.9	113.2	114.1	115.2	115.9	116.6
All industries	104.2	107.2	110.9	114.5	114.9	115.6	117.2	118.1	118.9
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	DUE		• • • • • • • • •	• • • • • •	• • • • •	• • • • •	• • • • •	• • • • •
		PUE	BLIC						
Government administration and defence	104.7	107.7	111.1	114.8	115.4	115.6	116.7	118.1	119.6
Education	105.3	108.1	112.0	116.6	116.6	118.1	120.2	121.0	122.8
Health and community services	106.4	109.6	113.0	116.5	117.4	117.8	118.4	119.0	122.7
Cultural and recreational services	105.1	107.3	110.3	113.2	113.7	113.9	115.6	116.5	117.8
Personal and other services	105.5	109.6	113.2	116.8	118.2	118.3	119.7	120.2	122.7
All industries(b)	105.0	108.2	111.9	115.7	116.4	116.9	118.2	119.1	121.1
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • •	• • • • •	• • • • •	• • • • •	• • • • •
		PRIVATE A	ND PUBLIC	C					
Mining	103.7	106.5	109.7	113.4	114.1	114.8	116.5	117.4	117.9
Manufacturing	104.9	107.9	111.7	115.4	115.7	116.6	118.2	119.4	120.1
Electricity, gas and water supply	104.7	108.8	113.0	117.8	118.7	119.2	121.0	122.3	123.4
Construction	104.9	108.1	112.7	116.5	117.0	117.4	119.0	119.7	121.3
Wholesale trade	103.5	106.2	110.0	113.1	113.2	114.1	116.0	116.7	117.3
Retail trade	103.3	105.8	108.5	111.3	111.7	112.2	113.7	114.5	115.2
Accommodation, cafes and restaurants	103.4	105.8	109.1	112.3	112.7	113.1	114.8	116.1	116.8
Transport and storage	103.8	106.3	109.6	112.6	112.9	113.5	114.5	115.8	117.1
Communication services	102.9	106.9	110.5	114.5	115.7	115.7	116.4	117.0	117.5
Finance and insurance	105.0	108.5	112.4	116.8	117.4	118.2	119.0	120.7	121.3
Property and business services	104.5	108.5	113.2	117.2	117.5	118.2	120.2	120.7	121.3
Government administration and defence	104.7	107.7	111.1	114.8	115.4	115.6	116.7	118.1	119.6
Education	104.9	107.8	111.8	116.1	116.2	117.5	119.5	120.2	122.1
Health and community services	105.1	107.9	111.0	114.8	115.4	115.9	116.9	117.6	119.8
Cultural and recreational services	103.8	105.9	109.3	112.7	113.2	113.7	115.3	116.4	117.7
Personal and other services	104.0	107.3	110.7	114.6	115.4	115.9	117.2	117.8	119.4
All industries	104.4	107.4	111.1	114.8	115.2	115.9	117.4	118.3	119.4

<sup>(</sup>a) Reference base of each index: September quarter 1997=100.0. (b) Includes those industries not separately listed.



# ORDINARY TIME HOURLY RATES OF PAY EXCLUDING BONUSES, Sector by Industry—Percentage changes

FROM CORRESPONDING

PREVIOUS FINANCIAL YEAR   PREVIOUS QUARTER   PREV					OLIART	ER OF	iiva				
Mair   Qr   Qr   Qr   Qr   Qr   Qr   Qr		FROM PREVIO	IIS FINANCIAI	VFΔR	-		ΔR	FROM	PREVIO	الا ۱۱۱۵	RTFR
PRIVATE   PRIV		THOM THEVIO								QUA	
PRIVATE   PRIV								l	0	D	
PRIVATE   PRIV									,		Mar Qtr
PRIVATE   PRIV	Industry	1999-2000	2000-01	2001-02	-	-	-		-		
Mining 2,6 3,1 3,3 3,4 3,5 3,3 0,5 1,5 0,9 Manufacturing 2,9 3,5 3,3 3,9 2,9 3,9 0,8 1,4 1,0 electricity, gas and water supply 3,3 3,0 4,6 2,9 4,4 3,7 1,1 1,6 0,7 Construction 3,0 4,4 3,5 1,1 3,6 0,3 1,5 0,6 0,7 Construction 3,0 4,4 3,5 1,1 3,6 0,3 1,5 0,6 0,8 1,7 0,6 Retail trade 2,6 3,6 2,8 3,5 2,6 3,6 0,8 1,7 0,6 Retail trade 2,4 2,6 2,6 2,5 2,6 3,1 0,4 1,3 0,7 1,2 0,2 0,2 0,2 0,3 0,4 1,5 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1	madatiy	1000 2000	2000 01	2001 02	2001	2002	2000	2002	2002	2002	2000
Mining 2,6 3,1 3,3 3,4 3,5 3,3 0,5 1,5 0,9 Manufacturing 2,9 3,5 3,3 3,9 2,9 3,9 0,8 1,4 1,0 electricity, gas and water supply 3,3 3,0 4,6 2,9 4,4 3,7 1,1 1,6 0,7 Construction 3,0 4,4 3,5 1,1 3,6 0,3 1,5 0,6 0,7 Construction 3,0 4,4 3,5 1,1 3,6 0,3 1,5 0,6 0,8 1,7 0,6 Retail trade 2,6 3,6 2,8 3,5 2,6 3,6 0,8 1,7 0,6 Retail trade 2,4 2,6 2,6 2,5 2,6 3,1 0,4 1,3 0,7 1,2 0,2 0,2 0,2 0,3 0,4 1,5 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • •	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •	• • • •
Manufacturing			PRI	VATE							
Manufacturing	Mining	0.0	2.4	2.2	2.4	2.5	2.2	0.5	4 5	0.0	0.4
Electricity, gas and water supply	9										0.4 0.7
Construction 3.0 4.4 3.5 4.1 3.6 3.6 0.3 1.6 0.4 Wholesale trade 2.6 3.6 2.8 3.5 2.6 3.6 0.8 1.7 0.6 Retail trade 2.4 2.6 2.6 2.5 2.6 3.1 0.4 1.3 0.7 0.6 Retail trade 2.4 2.6 2.6 2.5 2.5 3.1 0.4 1.3 0.7 0.8 Accommodation, cafes and restaurants 2.3 3.2 2.8 3.3 2.9 3.7 0.4 1.5 1.1 Transport and storage 2.5 2.7 2.5 2.9 2.5 3.4 0.4 0.8 1.2 Communication services 4.2 3.7 4.4 3.8 3.9 2.7 0.2 1.8 0.2 Communication services 3.9 4.3 3.6 4.0 3.9 4.0 3.3 0.8 0.7 1.3 Properly and business services 3.9 4.3 3.5 4.7 3.2 3.2 0.6 1.7 0.5 Education 3.3 3.7 3.5 3.7 3.3 4.7 1.0 1.4 0.3 Education 4.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	3										0.7
Wholesale trade   2.6   3.6   2.8   3.5   2.6   3.6   0.8   1.7   0.6   Retail trade   2.4   2.6   2.6   2.5   2.6   3.1   0.4   1.3   0.7   Accommodation, cafes and restaurants   2.3   3.2   2.8   3.3   2.9   3.7   0.4   1.5   1.1   Transport and storage   2.5   2.7   2.5   2.9   2.5   3.4   0.4   0.8   1.2   Communications services   4.2   3.7   4.4   3.8   3.9   2.7   0.2   1.8   0.2   Efunace and insurance   3.4   3.6   4.0   3.9   4.0   3.3   0.8   0.7   1.3   Property and business services   3.9   4.3   3.5   4.7   3.2   3.2   0.6   1.7   0.5   Education munity services   2.2   2.7   3.7   3.7   2.7   3.9   3.1   0.4   1.1   0.8   0.5   0	,, ,										1.2
Retail trade											0.5
Accommodation, cafes and restaurants											0.6
Transport and storage											0.7
Communication services	•										1.0
Property and business services 3.9 4.3 3.5 4.7 3.2 3.2 0.6 1.7 0.5 Education 3.3 3.7 3.5 3.7 3.3 4.7 1.0 1.4 0.3 Health and community services 2.2 2.7 3.7 2.7 3.9 3.1 0.4 1.1 0.8 Cultural and recreational services 1.9 3.4 3.3 3.7 3.1 4.1 0.5 1.4 1.0 Personal and other services 2.7 2.9 4.0 3.4 3.7 3.0 0.8 1.0 0.6 All industries 2.9 3.5 3.2 3.6 3.1 3.5 0.6 1.4 0.8 Cultural and recreational services 2.9 3.5 3.2 3.6 3.1 3.5 0.6 1.4 0.8 Cultural and recreational services 2.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Education 2.7 3.6 4.1 4.3 3.4 5.3 1.3 1.8 0.7 Health and community services 3.0 3.1 3.1 3.1 3.6 3.3 4.5 0.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5		4.2	3.7	4.4	3.8	3.9	2.7	0.2	1.8	0.2	0.5
Education 3.3 3.7 3.5 3.7 3.3 4.7 1.0 1.4 0.3 Health and community services 2.2 2.7 3.7 2.7 3.9 3.1 0.4 1.1 0.8 0.6 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Finance and insurance	3.4	3.6	4.0	3.9	4.0	3.3	0.8	0.7	1.3	0.5
Health and community services	Property and business services	3.9	4.3	3.5	4.7	3.2	3.2	0.6	1.7	0.5	0.4
Cultural and recreational services	Education	3.3	3.7	3.5	3.7	3.3	4.7	1.0	1.4	0.3	1.9
PUBLIC  Government administration and defence 2.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Education 2.7 3.6 4.1 4.3 3.4 5.3 1.8 0.7 Electricity, gas and water supply 3.9 3.9 4.2 3.7 3.0 3.8 0.8 1.4 1.0 Electricity, gas and water supply 3.9 3.9 4.2 3.7 4.5 4.0 0.4 1.5 1.1 Cronstruction 3.1 4.3 3.4 4.3 3.7 4.5 4.0 0.4 1.5 1.1 Transport and storage 2.4 3.1 2.7 3.4 2.5 3.7 0.5 0.9 1.1 Transport and storage 2.4 3.1 2.7 3.4 2.5 3.7 0.5 0.9 1.1 Transport and storage 2.9 3.2 3.3 3.4 3.6 3.8 3.4 0.0 0.6 0.5 Education 3.8 4.3 3.6 0.2 1.0 1.2 Education 4.1 2.0 4.1 2.2 4.2 6.2 6.2 6.3 6.0 2.8 3.6 0.2 1.5 0.8 1.1 2.0 4.	Health and community services	2.2	2.7	3.7	2.7	3.9	3.1	0.4	1.1	8.0	0.7
Public	Cultural and recreational services	1.9	3.4	3.3	3.7	3.1	4.1	0.5	1.4	1.0	1.1
Public   P	Personal and other services	2.7	2.9	4.0	3.4	3.7	3.0	0.8	1.0	0.6	0.6
PUBLIC   Government administration and defence   2.9   3.2   3.3   3.4   3.3   3.6   0.2   1.0   1.2   Education   2.7   3.6   4.1   4.3   3.4   5.3   1.3   1.8   0.7   Health and community services   3.0   3.1   3.1   3.6   3.3   4.5   0.3   0.5   0	All industries	2.9	3.5	3.2	3.6	3.1	3.5	0.6	1.4	0.8	0.7
Government administration and defence 2.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Education 2.7 3.6 4.1 4.3 3.4 5.3 1.3 1.8 0.7 Health and community services 3.0 3.1 3.1 3.1 3.6 3.3 4.5 0.3 0.5 0.5 1.5 Cultural and recreational services 2.1 2.8 2.6 3.0 2.8 3.6 0.2 1.5 0.8 Personal and other services 3.9 3.3 3.2 3.0 4.0 3.8 0.1 1.2 0.4 1.1 0.8 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2											
Education			PUI	BLIC							
Health and community services 3.0 3.1 3.1 3.6 3.3 4.5 0.3 0.5 0.5 Cultural and recreational services 2.1 2.8 2.6 3.0 2.8 3.6 0.2 1.5 0.8 Personal and other services 3.9 3.3 3.2 3.0 4.0 3.8 0.1 1.2 0.4 All industries(a) 3.0 3.4 3.4 3.8 3.4 4.0 0.4 1.1 0.8 Services 3.9 3.5 3.3 3.9 2.9 3.8 0.8 1.4 1.0 8 Services 3.9 3.5 3.3 3.9 2.9 3.8 0.8 1.4 1.0 Services 3.9 3.9 3.9 4.2 3.7 4.5 4.0 0.4 1.5 1.1 Construction 3.1 4.3 3.4 4.1 3.4 3.7 0.3 1.4 0.6 Services 3.9 3.1 4.3 3.4 4.1 3.4 3.7 0.3 1.4 0.6 Services 3.9 3.1 4.2 3.7 3.0 3.1 3.0 3.6 0.8 1.7 0.6 Services 3.1 3.1 2.9 3.1 3.0 3.6 0.8 1.7 0.6 Services 3.9 3.4 3.6 3.8 3.3 1.6 0.0 0.6 0.5 Services 3.9 3.4 3.6 3.9 3.7 4.0 3.3 3.6 0.7 0.7 1.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Services 3.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Services 3.8 3.7 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	Government administration and defence	2.9	3.2	3.3	3.4	3.3	3.6	0.2	1.0	1.2	1.3
Cultural and recreational services 2.1 2.8 2.6 3.0 2.8 3.6 0.2 1.5 0.8 Personal and other services 3.9 3.3 3.2 3.0 4.0 3.8 0.1 1.2 0.4 3.8 All industries(a) 3.0 3.4 3.4 3.4 3.8 3.4 4.0 0.4 1.1 0.8 All industries(a) 3.0 3.4 3.4 3.4 3.8 3.4 4.0 0.4 1.1 0.8 All industries(a) 3.0 3.4 3.4 3.8 3.4 4.0 0.4 1.1 0.8 All industries(a) 3.0 3.4 3.3 3.5 3.3 0.6 1.5 0.8 Manufacturing 2.9 3.5 3.3 3.9 2.9 3.8 0.8 1.4 1.0 Electricity, gas and water supply 3.9 3.9 4.2 3.7 4.5 4.0 0.4 1.5 1.1 0.8 Construction 3.1 4.3 3.4 4.1 3.4 3.7 0.3 1.4 0.6 Mholesale trade 2.6 3.6 2.8 3.5 2.6 3.6 0.8 1.7 0.6 0.8 Retail trade 2.4 2.6 2.6 2.6 2.5 2.6 3.1 0.4 1.3 0.7 0.8 Accommodation, cafes and restaurants 2.3 3.1 2.9 3.1 3.0 3.6 0.4 1.5 1.1 Transport and storage 2.4 3.1 2.7 3.4 2.5 3.7 0.5 0.9 1.1 Communication services 3.9 3.4 3.6 3.8 3.3 1.6 0.0 0.6 0.5 Finance and insurance 3.3 3.6 3.9 3.7 4.0 3.3 0.7 0.7 1.4 0.7 0.7 0.7 1.4 0.7 0.7 0.7 0.7 0.7 1.4 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	Education	2.7	3.6	4.1	4.3	3.4	5.3	1.3	1.8	0.7	1.5
Personal and other services 3.9 3.3 3.2 3.0 4.0 3.8 0.1 1.2 0.4 2.0 4.1 1.2 0.4 2.6 2.6 2.6 2.5 2.6 3.1 0.4 1.3 0.7 0.6 2.4 2.6 2.6 2.6 2.5 2.6 3.1 0.4 1.3 0.7 0.6 2.7 2.9 3.4 3.6 3.8 3.3 1.6 0.0 0.6 0.5 0.5 0.9 1.1 0.5 0.9 0.6 0.5 0.9 0.9 0.6 0.5 0.9 0.9 0.6 0.5 0.9 0.9 0.6 0.5 0.9 0.9 0.6 0.5 0.9 0.6 0.5 0.9 0.6 0.5 0.9 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.0	Health and community services	3.0	3.1	3.1	3.6	3.3	4.5	0.3	0.5	0.5	3.1
## PRIVATE AND PUBLIC    Mining	Cultural and recreational services	2.1	2.8	2.6	3.0	2.8	3.6	0.2	1.5	0.8	1.1
Mining 2.7 3.0 3.4 3.3 3.5 3.3 0.6 1.5 0.8 Manufacturing 2.9 3.5 3.3 3.9 2.9 3.8 0.8 1.4 1.0 Electricity, gas and water supply 3.9 3.9 4.2 3.7 4.5 4.0 0.4 1.5 1.1 Construction 3.1 4.3 3.4 4.1 3.4 3.7 0.3 1.4 0.6 Wholesale trade 2.6 3.6 2.8 3.5 2.6 3.6 0.8 1.7 0.6 Retail trade 2.4 2.6 2.6 2.5 2.6 3.1 0.4 1.3 0.7 Accommodation, cafes and restaurants 2.3 3.1 2.9 3.1 3.0 3.6 0.4 1.5 1.1 Transport and storage 2.4 3.1 2.7 3.4 2.5 3.7 0.5 0.9 1.1 Communication services 3.9 3.4 3.6 3.8 3.3 1.6 0.0 0.6 0.5 Finance and insurance 3.3 3.6 3.9 3.7 4.0 3.3 0.7 0.7 1.4 Property and business services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Government administration and defence 2.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Education 2.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Health and community services 2.7 2.9 3.4 3.1 3.6 3.8 0.4 0.9 0.6	Personal and other services	3.9	3.3	3.2	3.0	4.0	3.8	0.1	1.2	0.4	2.1
Mining         2.7         3.0         3.4         3.3         3.5         3.3         0.6         1.5         0.8           Manufacturing         2.9         3.5         3.3         3.9         2.9         3.8         0.8         1.4         1.0         0.8           Electricity, gas and water supply         3.9         3.9         4.2         3.7         4.5         4.0         0.4         1.5         1.1         0.6           Construction         3.1         4.3         3.4         4.1         3.4         3.7         0.3         1.4         0.6           Wholesale trade         2.6         3.6         2.8         3.5         2.6         3.6         0.8         1.7         0.6         0.6           Retail trade         2.4         2.6         2.6         2.5         2.6         3.1         0.4         1.3         0.7         0.6         0.8         1.7         0.6         0.8         1.7         0.6         0.8         1.7         0.6         0.8         1.7         0.6         0.8         1.7         0.6         0.8         1.7         0.6         0.8         1.7         0.6         0.8         1.7         0.4         1.1 <td>All industries(a)</td> <td>3.0</td> <td>3.4</td> <td>3.4</td> <td>3.8</td> <td>3.4</td> <td>4.0</td> <td>0.4</td> <td>1.1</td> <td>0.8</td> <td>1.7</td>	All industries(a)	3.0	3.4	3.4	3.8	3.4	4.0	0.4	1.1	0.8	1.7
Mining       2.7       3.0       3.4       3.3       3.5       3.3       0.6       1.5       0.8         Manufacturing       2.9       3.5       3.3       3.9       2.9       3.8       0.8       1.4       1.0       0.0         Electricity, gas and water supply       3.9       3.9       4.2       3.7       4.5       4.0       0.4       1.5       1.1       0.6         Construction       3.1       4.3       3.4       4.1       3.4       3.7       0.3       1.4       0.6         Wholesale trade       2.6       3.6       2.8       3.5       2.6       3.6       0.8       1.7       0.6       0.8         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6         Accommodation, cafes and restaurants       2.3       3.1       2.9       3.1       3.0       3.6       0.4       1.5       1.1       0.7         Accommodation, cafes and restaurants       2.3       3.1       2.9       3.1       3.0       3.6       0.4       1.5       1.1       0.7         Communication services       3.9       3.4       3.6	• • • • • • • • • • • • • • • • • • • •					• • • • •	• • • • •			• • • • •	• • • •
Manufacturing       2.9       3.5       3.3       3.9       2.9       3.8       0.8       1.4       1.0       0         Electricity, gas and water supply       3.9       3.9       4.2       3.7       4.5       4.0       0.4       1.5       1.1       0         Construction       3.1       4.3       3.4       4.1       3.4       3.7       0.3       1.4       0.6         Wholesale trade       2.6       3.6       2.8       3.5       2.6       3.6       0.8       1.7       0.6       0         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6       0         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6       0       0.6       0.4       1.5       1.1       0.7       0.6       0.8       1.7       0.6       0.6       0.2       1.0       1.2       1.1       1.7       0.6       0.0       0.6       0.5       0.9       1.1       1.5       1.1       1.7       0.6       0.5       0.9       1.1       1.2       0.0       0.0			PRIVATE A	ND PUBLIC							
Manufacturing       2.9       3.5       3.3       3.9       2.9       3.8       0.8       1.4       1.0       0         Electricity, gas and water supply       3.9       3.9       4.2       3.7       4.5       4.0       0.4       1.5       1.1       0         Construction       3.1       4.3       3.4       4.1       3.4       3.7       0.3       1.4       0.6         Wholesale trade       2.6       3.6       2.8       3.5       2.6       3.6       0.8       1.7       0.6       0         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6       0         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6       0       0.6       0.4       1.5       1.1       0.7       0.6       0.8       1.7       0.6       0.6       0.2       1.0       1.2       1.1       1.7       0.6       0.0       0.6       0.5       0.9       1.1       1.5       1.1       1.7       0.6       0.5       0.9       1.1       1.2       0.0       0.0	Mining	2.7	3.0	3.4	3.3	3.5	3.3	0.6	1.5	0.8	0.4
Construction       3.1       4.3       3.4       4.1       3.4       3.7       0.3       1.4       0.6         Wholesale trade       2.6       3.6       2.8       3.5       2.6       3.6       0.8       1.7       0.6       0.6         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6         Accommodation, cafes and restaurants       2.3       3.1       2.9       3.1       3.0       3.6       0.4       1.5       1.1       0.7         Transport and storage       2.4       3.1       2.7       3.4       2.5       3.7       0.5       0.9       1.1         Communication services       3.9       3.4       3.6       3.8       3.3       1.6       0.0       0.6       0.5         Finance and insurance       3.3       3.6       3.9       3.7       4.0       3.3       0.7       0.7       1.4       0.0         Property and business services       3.8       4.3       3.5       4.8       3.2       3.2       0.6       1.7       0.4       0.0       0.6       1.2       0.6       1.7       0.4       0.0       0.0	Manufacturing	2.9	3.5	3.3	3.9	2.9	3.8	0.8	1.4	1.0	0.6
Wholesale trade       2.6       3.6       2.8       3.5       2.6       3.6       0.8       1.7       0.6       0.6         Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.6         Accommodation, cafes and restaurants       2.3       3.1       2.9       3.1       3.0       3.6       0.4       1.5       1.1       0.7         Transport and storage       2.4       3.1       2.7       3.4       2.5       3.7       0.5       0.9       1.1         Communication services       3.9       3.4       3.6       3.8       3.3       1.6       0.0       0.6       0.5       0.5         Finance and insurance       3.3       3.6       3.9       3.7       4.0       3.3       0.7       0.7       1.4       0.0         Property and business services       3.8       4.3       3.5       4.8       3.2       3.2       0.6       1.7       0.4       0.0         Government administration and defence       2.9       3.2       3.3       3.4       3.3       3.6       0.2       1.0       1.2         Education       2.8       3.7	Electricity, gas and water supply	3.9	3.9	4.2	3.7	4.5	4.0	0.4	1.5	1.1	0.9
Retail trade       2.4       2.6       2.6       2.5       2.6       3.1       0.4       1.3       0.7       0.7         Accommodation, cafes and restaurants       2.3       3.1       2.9       3.1       3.0       3.6       0.4       1.5       1.1       0.0       0.6       0.5       0.9       1.1       0.0       0.6       0.5       0.9       1.1       0.0       0.6       0.5       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       <	Construction	3.1	4.3	3.4	4.1	3.4	3.7	0.3	1.4	0.6	1.3
Accommodation, cafes and restaurants       2.3       3.1       2.9       3.1       3.0       3.6       0.4       1.5       1.1       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.5       1.1       1.1       1.5       1.1       1.1       1.0       0.0       0.6       0.5       0.5       0.5       0.5       0.7       0.7       1.4       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0 <td>Wholesale trade</td> <td>2.6</td> <td>3.6</td> <td>2.8</td> <td>3.5</td> <td>2.6</td> <td>3.6</td> <td>0.8</td> <td>1.7</td> <td>0.6</td> <td>0.5</td>	Wholesale trade	2.6	3.6	2.8	3.5	2.6	3.6	0.8	1.7	0.6	0.5
Transport and storage       2.4       3.1       2.7       3.4       2.5       3.7       0.5       0.9       1.1         Communication services       3.9       3.4       3.6       3.8       3.3       1.6       0.0       0.6       0.5       0.5         Finance and insurance       3.3       3.6       3.9       3.7       4.0       3.3       0.7       0.7       1.4       0.7         Property and business services       3.8       4.3       3.5       4.8       3.2       3.2       0.6       1.7       0.4       0.4         Government administration and defence       2.9       3.2       3.3       3.4       3.3       3.6       0.2       1.0       1.2         Education       2.8       3.7       3.8       4.2       3.4       5.1       1.1       1.7       0.6         Health and community services       2.7       2.9       3.4       3.1       3.6       3.8       0.4       0.9       0.6	Retail trade	2.4	2.6	2.6	2.5	2.6	3.1	0.4	1.3	0.7	0.6
Communication services       3.9       3.4       3.6       3.8       3.3       1.6       0.0       0.6       0.5       0.5       0.5       0.7       0.7       0.7       1.4       0.0       0.6       0.5       0.5       0.7       0.7       1.4       0.0       0.6       0.5       0.7       0.7       1.4       0.7       0.7       1.4       0.7       0.7       1.4       0.7       0.7       1.4       0.7       0.7       0.7       1.4       0.7       0.7       0.4       0.7       0.7       0.4       0.7       0.7       0.4       0.7       0.7       0.4       0.7       0.4       0.7       0.4       0.7       0.4       0.7       0.4       0.7       0.4       0.7       0.4       0.7       0.4       0.7       0.4       0.4       0.9       0.6       0.2       0.0       0.2       0.0       0.2       0.0       1.0       1.2       0.2       0.2       0.0       0.2       1.0       1.2       0.2       0.2       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0	Accommodation, cafes and restaurants	2.3	3.1	2.9	3.1	3.0	3.6	0.4	1.5	1.1	0.6
Finance and insurance 3.3 3.6 3.9 3.7 4.0 3.3 0.7 0.7 1.4 Property and business services 3.8 4.3 3.5 4.8 3.2 3.2 0.6 1.7 0.4 Government administration and defence 2.9 3.2 3.3 3.4 3.3 3.6 0.2 1.0 1.2 Education 2.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Health and community services 2.7 2.9 3.4 3.1 3.6 3.8 0.4 0.9 0.6											1.1
Property and business services     3.8     4.3     3.5     4.8     3.2     3.2     0.6     1.7     0.4     0.6       Government administration and defence     2.9     3.2     3.3     3.4     3.3     3.6     0.2     1.0     1.2       Education     2.8     3.7     3.8     4.2     3.4     5.1     1.1     1.7     0.6       Health and community services     2.7     2.9     3.4     3.1     3.6     3.8     0.4     0.9     0.6											0.4
Government administration and defence       2.9       3.2       3.3       3.4       3.3       3.6       0.2       1.0       1.2         Education       2.8       3.7       3.8       4.2       3.4       5.1       1.1       1.7       0.6         Health and community services       2.7       2.9       3.4       3.1       3.6       3.8       0.4       0.9       0.6											0.5
Education 2.8 3.7 3.8 4.2 3.4 5.1 1.1 1.7 0.6 Health and community services 2.7 2.9 3.4 3.1 3.6 3.8 0.4 0.9 0.6											0.5
Health and community services 2.7 2.9 3.4 3.1 3.6 3.8 0.4 0.9 0.6											1.3
											1.6
Cultural and representational conjuges 20 20 20 24 25 20 40 04 44 40	Cultural and recreational services	2.7 2.0									1.9
											1.1 1.4
All industries 2.9 3.4 3.3 3.7 3.1 3.6 0.6 1.3 0.8	All industries	2.9	3.4	3.3	3.7	3.1	3.6	0.6	1.3	0.8	0.9

<sup>(</sup>a) Includes those industries not separately listed.



# HOURLY RATES OF PAY INCLUDING BONUSES, Sector

	ORDINARY TIME HOURLY RATES				TOTAL HOURLY RATES			
Period	Private	F Public	Private and public	Private	F Public	Private and public		
• • • • • • • • • •	• • • • • • •	INDEX	NUMBERS	i (a)	• • • • • • •	• • • • •		
1998-99	104.2	105.0	104.4	104.2	105.1	104.4		
1999-2000	107.3	108.4	107.6	107.3	108.4	107.5		
2000-01	111.1	112.1	111.4	111.1	112.1	111.3		
2001–02	114.5	116.0	114.9	114.5	116.0	114.8		
2000	407.0	100.7	407.0	407.0	400.7	407.0		
March June	107.6 108.3	108.7 109.3	107.9 108.6	107.6 108.3	108.7 109.3	107.9 108.5		
September	109.8	110.5	110.0	109.8	110.5	109.9		
December	110.7	111.4	110.9	110.7	111.4	110.8		
2001	110.1	111.	110.0	110.1		110.0		
March	111.6	112.8	111.9	111.5	112.8	111.9		
June	112.3	113.5	112.6	112.2	113.5	112.5		
September	113.5	114.7	113.8	113.4	114.7	113.7		
December	114.2	115.4	114.5	114.2	115.4	114.4		
2002								
March	114.8	116.6	115.2	114.8	116.6	115.2		
June	115.5	117.2	115.9	115.5	117.2	115.9		
September December	117.0	118.5 119.3	117.3	117.0	118.5	117.3 118.4		
2003	118.1	119.3	118.4	118.1	119.3	118.4		
March	118.9	121.4	119.5	118.9	121.4	119.5		
СН				ANCIAL YEA		• • • • •		
1999–2000	3.0	3.2	3.1	3.0	3.1	3.0		
2000-01	3.5	3.4	3.5	3.5	3.4	3.5		
2001-02	3.1	3.5	3.1	3.1	3.5	3.1		
CHANGE		ORRESPO		UARTER OF				
2001								
March	3.7	3.8	3.7	3.6	3.8	3.7		
June	3.7	3.8	3.7	3.6	3.8	3.7		
September	3.4	3.8	3.5	3.3	3.8	3.5		
December	3.2	3.6	3.2	3.2	3.6	3.2		
2002								
March	2.9	3.4	2.9	3.0	3.4	2.9		
June September	2.8 3.1	3.3 3.3	2.9 3.1	2.9 3.2	3.3 3.3	3.0 3.2		
December	3.4	3.4	3.4	3.4	3.4	3.5		
2003	J. 1	J. 1	J. 1	J. 1	J. 1	5.5		
March	3.6	4.1	3.7	3.6	4.1	3.7		
• • • • • • • • • •				QUARTER (9		• • • • •		
2001								
March	0.8	1.3	0.9	0.7	1.3	1.0		
June	0.6	0.6	0.6	0.6	0.6	0.5		
September	1.1	1.1	1.1	1.1	1.1	1.1		
December	0.6	0.6	0.6	0.7	0.6	0.6		
2002								
March	0.5	1.0	0.6	0.5	1.0	0.7		
June	0.6	0.5	0.6	0.6	0.5	0.6		
September	1.3	1.1	1.2	1.3	1.1	1.2		
December	0.9	0.7	0.9	0.9	0.7	0.9		
2003 March	0.7	1.8	0.9	0.7	1.8	0.9		

<sup>(</sup>a) Reference base of each index: September quarter 1997 = 100.0.

#### **EXPLANATORY NOTES**

INTRODUCTION

- **1** This publication contains indexes measuring quarterly changes in wage and salary costs for employee jobs. These indexes were compiled for the first time for the December quarter 1997 (with a reference base of September quarter 1997 = 100.0).
- 2 The methodology used to construct the component indexes of the Wage Cost Index (WCI) is similar to that used for other price indexes such as the Consumer Price Index. In the WCI, index numbers are compiled from hourly wage and salary rates of pay for a representative sample of employee jobs within a sample of employing organisations. Individual indexes are compiled for various combinations of state/territory, sector (private/public), broad industry group and broad occupation group. For more detailed information on the methodology used in the construction of the WCI, refer to *Information Paper: Wage Cost Index, Australia, 2000* (cat. no. 6346.0).

PUBLISHED INDEXES

- **3** There are four sets of quarterly base-period weighted indexes in this publication, which together comprise the WCI:
  - ordinary time hourly rates of pay—excluding bonuses
  - ordinary time hourly rates of pay—including bonuses
  - total hourly rates of pay—excluding bonuses
  - total hourly rates of pay—including bonuses.

DESIGN OF THE INDEXES

Broad description

- **4** The WCI is a price index which measures changes over time in wage and salary costs for employee jobs, unaffected by changes in the quality or quantity of work performed. Changes in wages and salaries resulting from changes in the composition of the labour market are excluded from the WCI movements. This is achieved by combining average *price* movements for each segment of the labour market (defined by state/territory, sector, industry and occupation) using *expenditure weights* that remain constant between successive *weighting base* periods.
- **5** Every effort is made to price jobs in the sample to constant quality. Price determining characteristics of the jobs are detailed in fixed pricing specifications, and any changes in wage and salary payments due to changes in the pricing specifications are removed from index movements. The following are examples of changes in price determining characteristics which are not reflected in index movements:
  - changes in the nature of work performed (e.g. different tasks or responsibilities)
  - changes in the quantity of work performed (e.g. the number of hours worked)
  - changes in the characteristics of the job occupant (e.g. age, apprenticeship year, successful completion of training or a qualification, grade or level, experience, length of service, fitness, etc.)
  - changes in location where the work is performed.
- **6** Identifying and measuring quality changes for jobs can be difficult. However, in the WCI, a range of procedures has been developed to achieve this, and to ensure that only pure price changes are reflected in the indexes.
- 7 The *ordinary time* indexes that *exclude* bonuses measure quarterly changes in ordinary time hourly wage and salary rates. Changes in rates of pay reflected in these indexes (i.e. pure price changes) arise from a range of sources including award variations, enterprise and workplace agreements, centralised wage fixation, individual contracts and informal arrangements.

#### **EXPLANATORY NOTES** continued

Broad description continued

- **8** These indexes are not affected by changes in penalty payments (which fluctuate depending on the number of hours paid at penalty rates), changes in allowances (which fluctuate according to how much work is performed under special work conditions e.g. height, dirt, heat allowances) or changes in bonus payments (which may, or may not, relate to an individual's work performance). Specifically, the following costs are excluded when computing ordinary time hourly wage and salary rates:
  - penalty payments for overtime, shifts, weekends and public holidays
  - ordinary time and overtime allowances
  - bonus payments.
- **9** The effect of rolling ordinary time penalty payments and allowances into ordinary time hourly rates is excluded from these indexes. However, when overtime penalty payments are rolled into ordinary time hourly rates, the ordinary time indexes will increase accordingly.
- **10** The *total bourly* indexes that *exclude* bonuses are based on a weighted combination of ordinary time hourly rates (described in paragraphs 7, 8 and 9) and overtime hourly rates. The total hourly rates reflect changes in ordinary time hourly rates as well as changes in overtime hourly rates. The effect of changes in the amount of overtime paid at each overtime rate is not shown in these indexes except when overtime penalty payments are rolled into ordinary time hourly rates. When this occurs, the increase in the ordinary time hourly rate will tend to be offset by the elimination of the higher overtime hourly rate, leaving the total hourly indexes largely unchanged.
- **11** Only those indexes that *exclude* bonuses are pure price indexes. This is because bonus payments tend to reflect changes in the quality of work performed.
- **12** The target population of employers for the WCI is all employing organisations in Australia (private and public sectors) except:
  - enterprises primarily engaged in agriculture, forestry or fishing
  - private households employing staff
  - foreign embassies, consulates, etc.
- **13** All *employee* jobs in the target population of employers are in scope of the WCI, except the following:
  - Australian permanent defence force jobs
  - 'non-maintainable' jobs (i.e. jobs that are expected to be occupied for less than six months of a year)
  - jobs for which wages and salaries are not determined by the Australian labour market (e.g. working proprietors of small incorporated enterprises, most employees of Community Development Employment Programs, jobs where the remuneration is set in a foreign country).
- **14** As such, full-time, part-time, permanent, casual, managerial and non-managerial jobs are in scope of the WCI. Costs incurred by employers for work undertaken by self-employed persons such as consultants and subcontractors are out-of-scope of the WCI, as they do not relate to employee jobs.

SCOPE AND COVERAGE

DATA COLLECTION

- **15** Information for the WCI is collected each quarter by mail questionnaires from a sample survey of approximately 4,800 private and public sector employers selected from the ABS Business Register. In the first quarter they participate in the survey, each employer selects a sample of jobs from their workplace(s) using sampling instructions provided by the ABS, and provides information for these jobs, including detailed pricing specifications. In subsequent quarters they are asked to provide details of payments made to the current occupants of these same jobs. It is essential that the same *jobs* are priced in successive quarters, whether the individual job occupants are the same or not. Approximately 20,000 matched jobs are priced each quarter from the selected employers.
- 16 The sampling method retains the highest possible common sample of employers over time, and retains the same sampled jobs within those employers where possible. However, it is also necessary to ensure the WCI continues to be relevant and representative over time. For these reasons, the employer sample is refreshed annually (for the September quarter) in a way that ensures a high proportion of common selections while allowing new employers to be represented in the sample. Refreshing the sample also allows the ABS to control the length of time that small businesses in particular are included in the survey. The sample refresh coincides with updating of expenditure weights (see paragraph 18).
- **17** Between each annual refresh of the employer sample, a small number of employee jobs will be lost from the survey sample because of the closure of some businesses. In addition, some jobs in continuing businesses will be replaced in the sample because of restructuring and other job changes.
- 18 In the WCI, as with other price indexes, expenditure weights are used to combine elementary aggregate indexes into publication indexes. These weights are derived from independent estimates of total weekly wages and salaries for elementary aggregates. The independent estimates are sourced from the quarterly Survey of Employment and Earnings (SEE), the biennial Employee Earnings and Hours (EEH) survey and the five-yearly Census of Population and Housing. The weights are updated for the September quarter each year to take account of changing wage and salary expenditure patterns among the elementary aggregates. The first percentage changes that can be calculated using the updated weights will occur in respect of the December quarter each year. Updated expenditure weights reflect changes in the distribution of the number of employee jobs among occupations, industries, states/territories and sectors, as well as changes in wage rate relativities. Appendix 1 shows the distribution of employers' expenditure on wages and salaries, for the September quarter 2002.
- **19** To facilitate comparison of index numbers over time, the published indexes will not be re-referenced (i.e. reset) to 100.0 each time this re-weighting occurs. This will provide a continuous series from the original reference base of September quarter 1997 = 100.0, while incorporating the updated expenditure weights.
- **20** The published index numbers have been rounded to one decimal place, and the percentage changes (also rounded to one decimal place) are calculated from the rounded index numbers. In some cases, this can result in the percentage change for the total level of a group of indexes being outside the range of the percentage changes for the component level indexes.

WEIGHTING

PERCENTAGE CHANGE AND ROUNDING

INTERPRETATION OF INDEX NUMBERS

21 Index numbers in this publication measure changes in hourly rates of pay between the reference base period (September quarter 1997 = 100.0) and a later period. Index number levels cannot be compared across states/territories as they do not provide comparative information on levels of hourly rates of pay. Similarly, index number levels cannot be compared across sectors, industries, or occupations. The usefulness of index numbers stems from the fact that index numbers for any two periods can be used to directly calculate the change or movement in hourly rates of pay between the two periods. These *movements* can be compared across states/territories, sectors, industries, or occupations.

INDEX MOVEMENTS

- **22** Index numbers in this publication are constructed on a quarterly basis with a reference base of September quarter 1997 = 100.0. Movements in indexes from one period to another can be expressed either as changes in *index points* or as percentage changes. In this publication, percentage changes are calculated to illustrate three different kinds of movements in indexes:
  - movements between consecutive quarters
  - movements between corresponding quarters of consecutive years
  - movements between consecutive financial years.
- **23** The following example illustrates the method of calculating changes in index points and percentage changes between any two periods:

	Index numbers (See table 1)
March quarter 2003	119.4
less December quarter 2002	118.3
Change in index points	1.1
Percentage change =	$\frac{1.1}{1183}$ x $100 = 0.9\%$

FINANCIAL YEAR INDEXES

24 Index numbers for financial years are calculated as simple (arithmetic) averages of the four quarterly index numbers for the financial year. As the Wage Cost Index was first published with a reference base of September quarter 1997 = 100.0, the first financial year index number that can be calculated is for 1997–98. Consequently, the first percentage change between financial years that can be calculated is between 1997–98 and 1998–99. The following example illustrates the method of calculating the most recent financial year index numbers:

Total hourly rates of pay excluding bonuses, Australia

	Index numbers (See table 1)
September quarter 2001	113.6
plus December quarter 2001	114.4
<i>plus</i> March quarter 2002	115.2
<i>plus</i> June quarter 2002	115.9
	459.1
Financial year 2001–02 =	${4} = 114.8$

**25** Percentage changes between any two financial year index numbers can be calculated using the method outlined in paragraph 23 above.

REVISIONS TO INDEXES

**26** Index numbers will be released as final figures at the time they are first published. Revisions will only occur in exceptional circumstances.

#### **EXPLANATORY NOTES** continued

#### RELIABILITY OF THE INDEXES

- **27** Since the index numbers are based on information relating to a sample of employee jobs, they are subject to *sampling error*. That is, they may differ from figures that would have resulted had all the in-scope employee jobs in the labour market been included in the collection. Estimates of the magnitude of the sampling error of the index numbers will not be available until the WCI has been operating for a sufficient number of quarters to enable meaningful estimates to be calculated.
- **28** Inaccuracies in the data may also occur because of imperfections in reporting by respondents or in processing by the ABS. This kind of inaccuracy is referred to as *non-sampling error*. Every effort has been made to minimise non-sampling error, for example:
  - by careful design and testing of questionnaires and processing systems
  - by providing instructions to employers on how to select a sample of employee jobs
  - by detailed checking of completed survey forms
  - by instituting a range of procedures for ensuring that jobs are priced to constant quality.

RELATED PUBLICATIONS

**29** Users may also wish to refer to the following publications which are available on request:

Information Paper: Wage Cost Index, Australia, 2000, cat. no. 6346.0 Average Weekly Earnings, Australia, cat. no. 6302.0 Consumer Price Index, Australia, cat. no. 6401.0 Producer Price Indexes, Australia, cat. no. 6427.0 International Trade Price Indexes, Australia, cat. no. 6457.0

**30** Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <a href="http://www.abs.gov.au">http://www.abs.gov.au</a>. The ABS also issues a daily *Release Advice* on the web site which details products to be released in the week ahead.

ABS DATA AVAILABLE ON REQUEST

**31** 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 Tim Landrigan on Perth (08) 9360 5151 or the National Information Service on 1300 135 070.

SEPTEMBER QUARTER 2002

# DISTRIBUTION OF EMPLOYERS' TOTAL EXPENDITURE ON WAGES AND SALARIES(a)

	Private	Public	Private and public
	%	%	%
Sector by State/Territory			
New South Wales	36.8	33.0	35.9
Victoria	26.5	21.0	25.2
Queensland	16.2	19.9	17.1
South Australia	6.6	7.2	6.8
Western Australia	9.9	8.5	9.6
Tasmania	1.6	2.2	1.7
Northern Territory	0.9	2.1	1.2
Australian Capital Territory	1.4	6.0	2.5
Australia	100.0	100.0	100.0
Sector by broad occupation group(b)			
Managers and administrators	12.5	10.9	12.1
Professionals	20.1	41.1	25.2
Associate professionals	12.2	15.0	12.9
Tradespersons and related workers	13.5	6.1	11.7
Advanced clerical and service workers	3.7	2.2	3.3
Intermediate clerical, sales and service workers	14.7	14.5	14.6
Intermediate production and transport workers	10.1	3.3	8.4
Elementary clerical, sales and service workers	6.5	4.0	5.9
Labourers and related workers	6.7	2.9	5.8
All occupations	100.0	100.0	100.0

<sup>(</sup>a) Components may not sum to 100.0 due to rounding.

<sup>(</sup>b) Classified according to the Australian Standard Classification of Occupations (ASCO), Second Edition (cat. no. 1220.0).

SEPTEMBER QUARTER 2002 continued

# DISTRIBUTION OF EMPLOYERS' TOTAL EXPENDITURE ON WAGES AND SALARIES(a) continued

	Private	Public	Private and public
	%	%	%
Sector by broad industry group(b)			
Mining	3.1	(c)	2.4
Manufacturing	20.9	(c)	15.9
Electricity, gas and water supply	1.0	(c)	1.4
Construction	6.1	(c)	5.1
Wholesale trade	8.2	(c)	6.2
Retail trade	11.6	(c)	8.9
Accommodation, cafes and restaurants	4.0	(c)	3.1
Transport and storage	5.5	(c)	5.1
Communication services	1.6	(c)	2.5
Finance and insurance	8.2	(c)	6.5
Property and business services	14.8	(c)	12.2
Government administration and defence		26.8	6.6
Education	3.7	24.3	8.8
Health and community services	7.1	18.8	9.9
Cultural and recreational services	2.0	2.4	2.2
Personal and other services	2.1	6.7	3.2
All industries	100.0	100.0	100.0

<sup>(</sup>a) Components may not sum to 100.0 due to rounding.

<sup>(</sup>b) Classified according to Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993 (cat. no. 1292.0).

<sup>(</sup>c) For the public sector, these industries are combined and included in the 'All industries' total.

#### APPENDIX 2 SEASONAL ADJUSTMENT

INTRODUCTION

TIME SERIES
DECOMPOSITION

1 The ABS released experimental seasonally adjusted estimates of the WCI in the April 2002 issue of *Australian Economic Indicators (cat. no. 1350.0)*. The article concluded that the WCI does exhibit seasonality but the pattern is affected by some instability in the series. However, at that time the seasonal adjustment was based on a time series of only 17 quarters. As the time series available becomes longer, it should be easier to identify the underlying seasonal pattern. Despite the uncertainties associated with the seasonally adjusted estimates at this time, the ABS will be updating the seasonal adjustment each quarter and will release the experimental seasonally adjusted estimates in this annex to the WCI publication.

- **2** Three distinctly different notional influences underlie any observation in a time series such as the WCI:
  - Trend movements—measures of the underlying behaviour of the series
  - Seasonal influences—systematic calendar related effects, such as pay reviews occurring at the end of the financial or calendar year
  - Residual irregulars—unpredictable short-term fluctuations in a series, not systematic
    or calendar related, involving one-off events such as delayed payments of safety net
    adjustments.
- 3 To understand the underlying behaviour of the original series over time and to assist in decision making, the ABS estimates and publishes seasonally adjusted and trend series for a wide range of time series. When a series is seasonally adjusted, estimates of the seasonal influences (i.e. systematic calendar related effects) are removed from the original data. The WCI seasonally adjusted estimates thus reflect the interaction of the underlying trend and all the irregular effects.
- 4 The ABS will not normally recommend a seasonally adjusted series for publication unless there are at least five, though preferably seven, years of quarterly data. This is the length of time required before the moving averages used in the seasonal adjustment process yield reliable results. Also, there must be significant peaks and/or troughs evident in the data on a regular basis for seasonality to exist. If the series is not stable the seasonal patterns are difficult to determine and in such cases the ABS may wait for more data or publish only a trend series. A trend series is one in which the irregular influences have been removed from the seasonally adjusted series; in other words, where both the systematic calendar related influences and the irregular influences have been removed from the original estimates.
- 5 The most recent seasonal analysis of the WCI shows that evidence of seasonality exists. A slight peak exists in the first quarter, but not as significant as the peak in the third quarter. A definite trough exists in the second quarter, again suggesting seasonality exists. No obvious seasonality has been identified for the fourth quarter. Anecdotal and historical evidence from WCI data indicate increased activity regarding pay rises at the end of the financial year for employees on individual agreements and awards. With methods of setting pay in Australia estimated at 20.5 per cent for awards, 38.2 per cent for collective agreements and 41.3 per cent for individual agreements (Source: *Employee Earnings and Hours, May 2002* (cat. no. 6306.0)), the seasonal high in the third quarter is not surprising.
- **6** When the WCI series is broken down to the sector level interesting differences occur. For the private sector, it is apparent that the second quarter is seasonally low and the third quarter is seasonally high. This pattern is consistent with the WCI at the total Australia level, but the size of the seasonal factors is larger for the private sector. While there is inconclusive evidence of seasonality in the first quarter, the fourth quarter indicates the possibility of a slight peak. Anecdotal and historical evidence from WCI data indicates that pay movements are mainly reported for employees on individual agreements and awards in the third quarter. This is consistent with data from

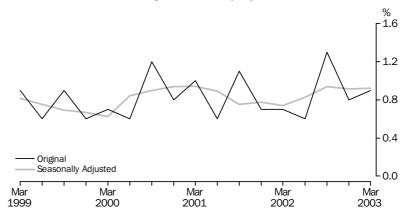
WCI SEASONALITY

WCI SEASONALITY continued

EEH, May 2002, which reports 50.4 per cent of employees on individual agreements and 24.6 per cent on awards in the private sector.

- 7 The public sector exhibits a slightly different pattern of seasonality from the total Australia and private sector series. This may be due to the predominance of collective agreements as the pay setting mechanism in the public sector (89.8 per cent of employees (EEH, May 2002)). When looking at public sector data only, there is evidence of a higher seasonal pattern in the first quarter than in the third quarter and evidence of low seasonality in the second and fourth quarters. However, there is some instability evident in the public sector data which means the reliability of the estimated seasonal factors could be strengthened with a longer time series.
- 8 The graph below compares the WCI, Australia, original and seasonally adjusted quarterly changes. The graph demonstrates how the peaks and troughs in the original data are smoothed by the seasonal adjustment process. The percentage movements in the original series are between 0.4 per cent and 1.3 per cent per quarter. The movements for the seasonally adjusted series are between 0.6 per cent and 0.9 per cent per quarter.

#### WCI QUARTERLY CHANGES, Original v Seasonally Adjusted



REFERENCE BASE

- **9** The reference base of an index series is most commonly a year but can also be a different length of time, ranging from two or three years down to a single quarter. It often coincides with the weighting base for the series, but this is not essential. The September quarter 1997 used as the base period for the original (i.e. non-seasonally adjusted) WCI series was chosen arbitrarily—it was the first quarter for which WCI data were available.
- analysts identify the underlying movements in the series involved. However, the relationship between the original and seasonally adjusted series is also useful in terms of indicating which quarters are 'seasonally high' and those which are 'seasonally low'. Therefore, it has been decided to show the seasonally adjusted series exactly as they have been derived from the original series and not to re-reference the seasonally adjusted data to 100.0 in September quarter 1997.

SEASONAL ADJUSTMENT

**11** The WCI series uses a concurrent seasonal adjustment methodology to derive adjustment factors. This method uses the whole series available at each reference quarter to estimate seasonal factors. Concurrent adjustment can result in revisions each quarter to estimates for earlier periods, although the most significant change is likely to occur in the last quarter of the series previously published.

## APPENDIX 2 SEASONAL ADJUSTMENT continued

AVAILABILITY OF DATA

**12** Seasonally adjusted series are calculated for total Australia, private sector and public sector only. It is not possible at this stage to derive useful seasonally adjusted series for other index sets.

CONCLUSION

**13** The ABS intends to publish the experimental seasonally adjusted WCI estimates each quarter. The estimates will be monitored with the aim of removing the 'experimental' status once the seasonal pattern can be reliably estimated.

EXPERIMENTAL ESTIMATES continued

TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES, 10 IAL HOURE ...... Seasonally adjusted

	Private	Public	Private and public
• • • • • • • • • • • •	INDEX NUMB	FRS (a)	• • • • • • • • • •
2000	INDEX NOMB	LIVO (a)	
2000 March	107 5	100 2	107.7
	107.5	108.3	
June	108.3 109.4	109.3 110.2	108.6 109.6
September December	110.4	110.2	109.6
2001			
March	111.4	112.3	111.6
June	112.3	113.5	112.6
September	113.2	114.4	113.5
December	114.1	115.3	114.4
2002			
March	114.9	116.1	115.2
June	115.8	117.1	116.2
September	117.0	118.1	117.2
December	118.0	119.3	118.3
2003			
March	118.9	120.9	119.4
CHANGE FRO	M CORRESPO	NDING QU	JARTER OF
	PREVIOUS YE	AR (%)	
2001			
March	3.6	3.7	3.6
June	3.7	3.8	3.7
September	3.5	3.8	3.6
December	3.4	3.6	3.4
2002			
March	3.1	3.4	3.2
June	3.1	3.2	3.2
September	3.4	3.2	3.3
December	3.4	3.5	3.4
2003			
March	3.5	4.1	3.6
CHANGE F	ROM PREVIO	US QUART	ER (%)
2001			
March	0.0	0.0	0.0
	0.9	0.9	0.9
June	0.8	1.1	0.9
September December	0.8 0.8	0.8 0.8	0.8 0.8
	0.8	0.8	0.8
2002			
March	0.7	0.7	0.7
June	0.8	0.9	0.9
September	1.0	0.9	0.9
December	0.9	1.0	0.9
2003			
March	0.8	1.3	0.9

<sup>(</sup>a) Reference base of each index: September quarter 1997 (in non-seasonally adjusted terms) = 100.0. See paragraphs 9 and 10 of this Appendix.

#### GLOSSARY

Bonuses Payments made to a job occupant that are in addition to regular wages and salaries and

which generally relate to the job occupant's, or the organisation's performance.

**Elementary aggregates** The finest aggregations of jobs, in terms of state/territory, sector, industry group and

occupation group, for which expenditure weights are available.

Employee job A job for which the occupant receives remuneration in wages, salary, payment in kind, or

piece rates.

**Employer** Organisation with one or more employees.

**Expenditure weights** A measure of the relative importance of each elementary aggregate, based on employers'

total expenditure on wages and salaries. Expenditure weights are used to combine

elementary aggregate indexes into broader level indexes.

**Index number** Measures the ratio of hourly rates of pay between the reference base period and a later

period. The index number for the base quarter = 100.0.

Industry Classified according to the Australian and New Zealand Standard Industrial

Classification (ANZSIC), 1993 (cat. no. 1292.0).

Occupation Classified according to the Australian Standard Classification of Occupations (ASCO),

Second Edition (cat. no. 1220.0).

Ordinary time hourly rates of Measures quarterly change in ordinary time hourly rates of pay (see Explanatory Notes

pay index paragraphs 7, 8 and 9).

**Ordinary time hours** Award, standard or agreed hours of work paid for at the ordinary rate.

Overtime hours The number of hours paid for in excess of ordinary time hours, based on the data for the

first quarter a selected job is included in the survey.

**Reference base period** The period for which an index series is given the value of 100.0.

Sector Public sector comprises local government authorities and all government departments

and agencies created by, or reporting to, the Commonwealth, or state/territory

parliaments. The private sector comprises all organisations not classified as public sector.

Total hourly rates of pay index Measures quarterly change in combined ordinary time and overtime hourly rates of pay

(see Explanatory Notes paragraph 10).

Weighting base The period to which the expenditure weights relate.

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