

# FOR RELEASE: 10:00 A.M. AEST, TUESDAY, DECEMBER 21, 2010

# The Conference Board<sup>®</sup> Australia Business Cycle Indicators<sup>™</sup> THE CONFERENCE BOARD LEADING ECONOMIC INDEX<sup>®</sup> (LEI) FOR AUSTRALIA AND RELATED COMPOSITE ECONOMIC INDEXES FOR OCTOBER 2010

Next month's release will incorporate annual benchmark revisions to the composite indexes. These regular benchmark revisions bring the indexes up-to-date with revisions in the source data. The revisions do not change the cyclical properties of the indexes. The indexes are updated throughout the year, but only for the previous six months. Data revisions that fall outside of the moving six-month window are incorporated when the benchmark revision is made and the entire histories of the indexes are recomputed. As a result, the revised indexes and their month-over-month changes will no longer be directly comparable to those issued prior to the benchmark revision.

For more information, please visit our website at http://www.conference-board.org/data/bci.cfm or contact indicators@conference-board.org.

**The Conference Board Leading Economic Index**<sup>®</sup> (LEI) for Australia increased 0.6 percent and **The Conference Board Coincident Economic Index**<sup>®</sup> (CEI) increased 0.1 percent in October.

- The Conference Board LEI for Australia increased in October, following a small decline in September, and the strengths among the leading components were widespread. Index levels were revised downward in recent months as third quarter data for the sales-to-inventory ratio and gross operating surplus became available. Despite the gain in October, the six-month growth rate of the leading economic index continued to moderate, to 2.0 percent (a 4.1 percent annual rate) in the period through October 2010, from 3.4 percent (a 6.8 percent annual rate) in the previous six months. Nevertheless, the strengths and weaknesses among the leading indicators have been roughly balanced over the past six months.
- The Conference Board CEI for Australia, a measure of current economic activity, increased again in October. With this month's gain, the coincident economic index grew by 1.6 percent (a 3.2 percent annual rate) in the six-month period through October 2010, up from 0.9 percent (a 1.8 percent annual rate) in the previous six months. At the same time, real GDP grew at a 0.8 percent annual rate in the third quarter of 2010, slower than the 4.6 percent (annual rate) increase in the second quarter and the 2.7 percent increase (annual rate) in the first quarter of the year.
- The Conference Board LEI for Australia resumed increasing in October, after declining slightly in the previous month. However, its six-month growth rate has moderated in recent months. At the same time, The Conference Board CEI for Australia continues to increase, and its growth rate has picked up slightly lately. Taken together, the current behavior of the composite indexes suggests that economic growth will likely be moderate in the near term.

### The next release is scheduled for January 25, 2011 at 10:00 A.M. (AEST) In the U.S. – January 24, 2011 at 6:00 P.M. (EST)

<u>LEADING INDICATORS.</u> Six of the seven components in The Conference Board LEI for Australia increased in October. The positive contributors to the index — in order from the largest positive contributor to the smallest — are rural goods exports, the sales to inventories ratio\*, money supply\*, share prices, the yield spread, and gross operating surplus\*. Building approvals declined in October.

With the 0.6 percent increase in October, The Conference Board LEI for Australia now stands at 119.5 (2004=100). Based on revised data, this index declined 0.2 percent in September and remained unchanged in August. During the six-month period through October, the leading economic index increased 2.0 percent, and four of the seven components increased (diffusion index, six-month span equals 57.1 percent).

<u>COINCIDENT INDICATORS.</u> Two of the four components in The Conference Board CEI for Australia increased in October. The increases - in order from the larger positive contributor– occurred in employed persons and household gross disposable income\*. Retail trade declined in October, while industrial production\*\* remained unchanged.

With the increase of 0.1 percent in October, The Conference Board CEI for Australia now stands at 116.7 (2004=100). Based on revised data, this index increased 0.3 percent in September and increased 0.3 percent in August. During the six-month period through October, the coincident economic index increased 1.6 percent, with three of the four components in the series making positive contributions (diffusion index, six-month span equals 75.0 percent).

#### \* See notes under data availability.

#### FOR TABLES AND CHARTS, SEE BELOW

<u>DATA AVAILABILITY</u>. The data series used to compute **The Conference Board Leading Economic Index**<sup>®</sup> (LEI) for Australia and **The Conference Board Coincident Economic Index**<sup>®</sup> (CEI) for Australia reported in this release are those available "as of" 10 A.M. ET on December 17,2010. Some series are estimated as noted below.

NOTES: Series in The Conference Board LEI for Australia that are based on our estimates are sales to inventory ratio and gross operating surplus for private non-financial corporations, the implicit price index used to deflate rural goods exports and building approvals, and the CPI used to deflate money supply M3. Series in The Conference Board CEI for Australia that are based on our estimates are industrial production and household disposable income. CPI was used to deflate retail trade.

Effective with the February 26, 2009 release, the seasonally adjusted retail trade data replaced the trend estimated series, the publication of which was suspended by the Australia Bureau of Statistics.

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<u>THE CYCLICAL INDICATOR APPROACH.</u> The composite economic indexes are the key elements in an analytic system designed to signal peaks and troughs in the business cycle. The leading and coincident economic indexes are essentially composite averages of several individual leading or coincident indicators. (See page 3 for details.) They are constructed to summarize and reveal common turning point patterns in economic data in a clearer and more convincing manner than any individual component—primarily because they smooth out some of the volatility of individual components.

Historically, the cyclical turning points in The Conference Board LEI for Australia have occurred before those in aggregate economic activity, while the cyclical turning points in The Conference Board CEI for Australia have occurred at about the same time as those in aggregate economic activity.

Further explanations of the cyclical indicator approach and the composite economic index methodology appear in The Conference Board's *Business Cycle Indicators* report and Web site: <u>http://www.conference-board.org/data/bci.cfm</u>

### Australia Composite Economic Indexes: Components and Standardization Factors

Lea	uding Economic Index	Factor
1. 2. 3. 4. 5. 6.	Yield Spread, 10 year minus Policy Rate Share Prices, All Ordinaries Money Supply, M3 Rural Goods Exports Sales to Inventory Ratio Gross Operating Surplus, Private Non-Financial Corporations	.1113 .0398 .2274 .0261 .4299 .1140
0. 7.	Building Approvals	.0515
Coi	ncident Economic Index	0.501
1. 2. 3.	Retail Trade Industrial Production Employed Persons	.2591 .0941 .4386
4.	Household Disposable Income	.2082

#### Notes:

The component factors are inversely related to the standard deviation of the month-to-month changes in each component. They are used to equalize the volatility of the contribution from each component and are "normalized" to sum to 1.

These factors were revised effective with the January 2010 release, and all historical values for the two composite economic indexes have been revised at the time to reflect the changes. (Under normal circumstances, updates to the leading and coincident economic indexes only incorporate revisions to data over the past six months.) The factors above were calculated using 1979 to 2008 as the sample period for measuring volatility for The Conference Board LEI for Australia, and 1982 to 2008 as the sample period for The Conference Board CEI for Australia. There are additional sample periods as the result of different starting dates for the component data. When one or more components are missing, the other factors are adjusted proportionately to ensure that the total continues to sum to 1. For additional information on the standardization factors and the index methodology visit our Web site: http://www.conference-board.org/data/bci.cfm.

The trend adjustment factor for The Conference Board LEI for Australia is -0.0605 calculated from 1960-1973, and -0.1194 calculated over the sample period 1974-2008.

To address the problem of lags in available data, those leading and coincident indicators that are not available at the time of publication are estimated using statistical imputation. An autoregressive model is used to estimate each component. The resulting indexes are constructed using real and estimated data, and will be revised as the data unavailable at the time of publication become available. Such revisions are part of the monthly data revisions, now a regular part of the U.S. Business Cycle Indicators program. The main advantage of this procedure is to utilize in the leading economic index the data, such as stock prices, that are available sooner than other data on "real" aspects of the economy, such as new orders and changes in inventory. Empirical research by The Conference Board suggests there are real gains in adopting this procedure to make all the indicator series as up-to-date as possible.

# NOTICES

The schedule for "The Conference Board Leading Economic Index<sup>®</sup> (LEI) for Australia" news release for 2011 is:

November 2010 Data Monday, January 24, 2011 December 2010 Data Wednesday, February 23, 2011 January 2011 Data Wednesday, March 23, 2011 February 2011 Data Monday, April 25, 2011 March 2011 Data Tuesday, May 24, 2011 April 2011 Data Wednesday, June 22, 2011 May 2011 Data Monday, July 25, 2011 June 2011 Data Tuesday, August 23, 2011 July 2011 Data Thursday, September 22, 2011 August 2011 Data Monday, October 24, 2011 September 2011 Data Tuesday, November 22, 2011 October 2011 Data Monday, December 19, 2011

All releases are at 10:00 A.M. AEDST (following day), 8:00 P.M. EST (6:00 P.M. ET).

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AVAILABLE FROM THE CONFERENCE BOARD

## Australia Business Cycle Indicators Internet Subscription

(Includes monthly release, data, charts and commentary) Not currently available

**Individual Data Series** Not currently available

Monthly BCI Report (Sample available at <u>http://www.conference-board.org/data/monthlybci.cfm</u>) \$ 230 (for TCB members)/\$ 285 (for non-TCB members) per year

## **BCI Handbook (published 2001)**

\$ 25

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					2010					
	Apr.	May.	Jun.		Jul.		Aug.		Sep.	Oct.
Leading index	117.1	118.3 r	118.5	r	119.0	r	119.0	r	118.8 p	119.5 p
Percent change	0.7	1.0 r	0.2		0.4		0.0		-0.2 p	0.6 p
Diffusion index	50.0	57.1	42.9		57.1		28.6		57.1	71.4
Coincident index	114.9	115.1	115.5	r	115.9	r	116.2	r	116.6 p	116.7 p
Percent change	0.2	0.2	0.3		0.3		0.3		0.3 p	0.1 p
Diffusion index	75.0	100.0	75.0		75.0		75.0		75.0	62.5
	Oct to	Nov to	Dec to		Jan to		Feb to		Mar to	Apr to
	Apr	May	Jun		Jul		Aug		Sep	Oct
Leading index										
	3.4	4.0	3.3	r	3.6	r	3.4	r	2.1 р	2.0 p
Percent change					57.1		57.1		57.1	57.1
Percent change Diffusion index	71.4	57.1	57.1		57.1		• • • •			
Diffusion index	71.4	57.1	57.1		57.1					
•	71.4	57.1	57.1			r	1.3	r	1.7 p	1.6 p

#### The Conference Board Australia Business Cycle Indicators

p Preliminary. r Revised (noted only for index levels and one-month percent changes).

CALCULATION NOTE: The diffusion indexes measure the proportion of the components that are rising. Components that rise more than 0.05 percent are given a value of 1.0, components that change less than 0.05 percent are given a value of 0.5, and components that fall more than 0.05 percent are given a value of 0.0.

For more information, visit our Web site at www.conference-board.org/data/bci.cfm

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Table 2Data and Net Con	tributions f	for (	Component	s o	of the Austr	rali	0	Eco	onomic Inc	lex		
							2010					<b>0</b> /
Component	Apr.		May.	tra	Jun. lia Leadinc	ı Fe	Jul. conomic In	dev	Aug.	nto	Sep.	Oct.
-			, 40			,			Compone			
Yield Spread (10 Year - Policy Rate, 3 month moving average)	1.80		1.63		1.29		0.90		0.65		0.54	0.52
Share Prices, All Ordinaries (Index 2005=100)	110.7		102.1		99.1		103.5		101.5		105.6	107.4
Money Supply, M3 (Mill. Constant A\$, SA)	707952	r	712943	r	716276	r	721543	r	725688	r	727417 ##	732943 ##
Building Approvals, (Thous. '08-'09 A\$, SA, 3 month moving average)	6714069	r	6681376	r	6389211	r	6137338	r	5925735	r	5536503 r	5384435
Rural Goods Exports, (Mill. Constant A\$, SA)	2013.5	r	2356.5	r	2488.8	r	2574.8	r	2469.0	r	2235.2 r	2497.2
Sales to Inventories Ratio, SA (Q)	1.450	r	1.460		1.470		1.480		1.490		1.500 **	1.500 **
Gross Operating Surplus, Private Non-Financial Corp. (Mill. '08-'09 A\$, SA, Q)	66466	r	68545	r	68478	r	68412	r	68346	r	68423 **	68592 **
LEADING INDEX (2004=100) Percent change from preceding month	<b>117.1</b> 0.7		<b>118.3</b> 1.0		<b>118.5</b> 0.2		<b>119.0</b> 0.4		<b>119.0</b> 0.0		<b>118.8 p</b> -0.2 p	<b>119.5 p</b> 0.6 p
			Aust	rali	ia Leading	Ec	onomic Index net contributions					
- Yield Spread (10 Year - Policy Rate, 3 month moving average)	•••••		0.18		0.14		0.10		0.07		0.06	0.06
Share Prices, All Ordinaries (Index 2005=100)			-0.32		-0.12		0.17		-0.08		0.16	0.07
Money Supply, M3 (Mill. Constant A\$, SA)			0.16		0.11		0.17	r	0.13	r	0.05 ##	0.17 ##
Building Approvals, (Thous. '08-'09 A\$, SA, 3 month moving average)			-0.03		-0.23	r	-0.21	r	-0.18	r	-0.35 r	-0.14
Rural Goods Exports, (Mill. Constant A\$, SA)			0.41		0.14	r	0.09	r	-0.11		-0.26	0.29
Sales to Inventories Ratio, SA (Q)			0.33	r	0.28	r	0.27	r	0.27	r	0.25 **	0.24 **
Gross Operating Surplus, Private Non-Financial Corp. (Mill. '08-'09 A\$, SA, Q)			0.35	r	-0.01	r	-0.01	r	-0.01	r	0.01 **	0.03 **

#### The Conference Board Australia Business Cycle Indicators

p Preliminary. r Revised. -- \* Inverted series; a negative change in this component makes a positive contribution.

# Estimates of the quarterly deflator (implicit price index) are used to deflate these series

## Estimates of the quarterly deflator (CPI) are used to deflate money supply.

Money Supply (M3) level from April 2002 and on are derived from growth rates reported by the Reserve Bank of Australia

\*\* Statistical Imputation (See page 2 for more details) -- Q: Quarterly series; these series are converted to monthly through a linear interpolation Data Sources: Australian Bureau of Statistics, Reserve Bank of Australia, Thomson Financial

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions of the individual components (because of rounding effects and base value differences).

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#### The Conference Board Australia Business Cycle Indicators

	2010								
Component	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.		
	Australia Coincident Economic Index component data								
Retail Trade (Mill. Constant A\$, SA, 3-month moving average)	11647.9 r	11693 r	11724.0 r	11761.0 r	11795.0 r	11816.9 r	11768.0		
Industrial Production (Index 2008-09=100, SA, Q)	105.5 r	105.7 r	105.5 r	105.3 r	105.1 r	105.0 **	105.0 *		
(Index 2008-09=100, SA, Q)	105.5 1	105.7 1	105.5 1	105.3 1	105.1 1	105.0	105.0		
Employed Persons									
(Thousands of Persons, SA)	11161.8 r	11179.3 r	11220.4 r	11248.6 r	11280.2 r	11325.4 r	11362.3		
Household Gross Disposable Income,									
(Mill. Constant A\$, SA. Q)	123885.2 r	124160.6 r	124901.9 r	125641.0 r	126377.8 r	126983.4 **	127506.6 *		
COINCIDENT INDEX (2004=100)	114.9	115.1	<b>115.5</b> r	<b>115.9</b> r	<b>116.2</b> r	116.6 p	116.7 p		
Percent change from preceding month	0.2	0.2	0.3	0.3	0.3	0.3 p	0.1 p		
		Australia C	oincident Ec	onomic Inde	x net contri	butions			
Retail Trade									
(Mill. Constant A\$, SA, 3-month moving average)		0.10 r	0.07	0.08 r	0.07 r	0.05 r	-0.11		
Industrial Production									
(Index 2008-09=100, SA, Q)		0.02 r	-0.02 r	-0.02 r	-0.02 r	-0.01 **	0.00 *		
Employed Persons									
(Thousands of Persons, SA)		0.07	0.16	0.11 r	0.12	0.18 r	0.14		
Household Gross Disposable Income,									
(Mill. Constant A\$, SA. Q)		0.05 r	0.12 r	0.12 r	0.12 r	0.10 **	0.09 *		

### Table 3.--Data and Net Contributions for Components of the Australia Coincident Economic Index

\* Inverted Series, a negative change in this component makes a positive contribution

\*\* Statistical Imputation (See page 2 for more details)

## Estimates of the quarterly deflator (CPI) are used to deflate retail trade

Q Quarterly series; these series are converted to monthly through a linear interpolation.

Data Sources: Australian Bureau of Statistics, Reserve Bank of Australia, Thomson Financial

CALCULATION NOTE--The percent change in the index does not alw ays equal the sum of the net contributions

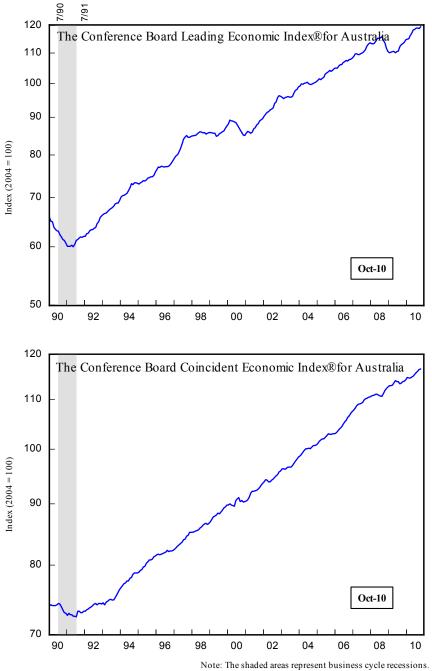
of the individual components (because of rounding effects and base value differences).

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Source: The Conference Board

The peaks and troughs are designated by The Conference Board based on the coincident index and real GDP.