

**ECONOMIC IMPACTS OF THE WA
METHANOL PROJECT:
BRIEF REPORT AND SUPPORTING
FIGURES AND TABLES**

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EXECUTIVE SUMMARY

For this study, we conducted an MMRF-Green simulation of the impacts of the construction and operation of the WA Methanol Project (WAMP). To the extent that the benefits and costs of the WAMP accrue directly to Australians, they accrue directly to residents of the WA.

Economic model

MMRF-Green is a multi-sector dynamic model of the Australian economy covering the six states and two territories. It models each region as an economy in its own right, with region-specific prices, region-specific consumers, region-specific industries, and so on. Since MMRF-Green is dynamic, it is able to produce sequences of annual solutions connected by dynamic relationships. The model also includes enhanced capabilities for environmental analysis, and a regional disaggregation facility that allows results for the six states to be disaggregated down to 56 sub-state regions.

As each state and territory is modelled as a mini-economy, MMRF-Green is ideally suited to determining the impact of region-specific economic shocks. It has already been used to address a wide range of issues, including the economic impacts of various large export-oriented projects, the effects of global trading in greenhouse emission permits, and the effects of changes in state and federal tax rates.

A number of enhancements have been made to the existing model to facilitate simulations of the WAMP. These involved building into the model's theory and database, a new industry representing the WAMP. This new industry produces only methanol for export and is located in the WA.

Modelling Assumptions

Based on estimates provided by the proposed WAMP operators, we assume the following values for production and investment in the Project:

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Production (\$Am)*	0	0	0	128	257	257	257	257	257	257
Investment (\$Am)*	0	108	207	205	20	20	20	20	20	20

* Constant (2001) prices.

The WAMP starts up in 2004. In that year, production from the Project is estimated to be worth \$128 million. Sales increase to \$257 million in 2005. We assume that sales to this value are maintained in every year after 2005. In other words, in a typical long-run year (2020), total production from the WAMP is worth \$257 million.

In addition, we assume:

- that the before-tax return to capital in the WAMP (includes depreciation) will be in line with WAMP estimates (see below),
- that the company pays tax at the rate of 30 per cent on its before-tax return (excluding depreciation) (see below);
- that 90 per cent of the after-tax return (excluding depreciation) goes overseas, leaving 10 per cent of the after-tax return available for domestic consumption; and

- that all of the production is sold directly to export.

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Return to capital (\$Am)*	0	0	0	70	141	141	141	141	141	141
Company tax (\$Am)*	0	0	0	21	35	35	35	35	35	35

* Constant (2001) prices.

Effects on Output and GSP

Table I shows the effects of the WAMP on selected macroeconomic variables in a typical long run year (i.e., 2020). The numbers in this table are expressed as deviations (\$m, constant prices or thousands of persons) from an underlying base. More detailed results can be found in supporting Tables 1 and 2.

During the construction phases of the WAMP, there is relatively little response from labour and capital at the Australia-wide level. However, as the Project begins production, capital and employment expand. This leads to increased real GDP. In 2020, real GDP is \$140 million above its basecase level, i.e., its level without the WAMP. The long-run effect on Australia-wide employment, however, is weak. This is because the increased demand for labour arising from the WAMP is accommodated in the long run not by increased jobs, but by an increase in the real wage rate. This strengthens producers' incentives to substitute labour for capital and enables the economy to eventually accommodate the WAMP with little change in employment.

Note on employment

In our model, employment is measured in terms of hours worked, not persons employed. Therefore, the percentage change in employment, as simulated by the model represents a percentage increase in hours worked. To derive an estimate of the effect on numbers of persons employed (Table I and supporting Table 2), we assume that the WAMP does not affect industry ratios of employed persons to employed hours. Under this assumption, a percentage increase in hours worked translates into the same percentage increase in persons employed. Based on this calculation, in 2020 around 800 additional full and part-time jobs are created in WA (see Table I) by the WAMP. Most of these additional jobs are located in service industries, notably trade, finance and public services (see supporting Table 5).

The WAMP mildly stimulates real private consumption. In our simulations, we assume that consumption expenditure of the regional household is determined by household disposable income (HDI) In calculating changes in HDI due to the WAMP, we take account of the before-tax factor income generated directly and indirectly by the Project, the tax paid on that income (which reduces the income available for consumption), and the amount of income that flows overseas. In 2020, real factor income directly generated by the project amounts to \$78 million (2001 prices). After taking account of taxes and income that goes overseas, the total amount available in 2020 for consumption is \$20 million (2001 prices). This is close to the final increase in real consumption of \$17 million (Table I). The difference is the change in real HDI *indirectly* generated by the Project via its impacts on other industries.

Construction associated with the WAMP increases national investment in the construction years (2002 to 2004). Investment remains elevated above its base case path

through to 2015, reflecting the increased replacement requirements associated with the WAMP capital stock.

Table I: Macroeconomic Variables (absolute deviations from base)

Variable		2020
Real private consumption (\$million, 2001 prices)	Aus	17.0
	WA	32.2
	Rest	-15.2
Real investment (\$million, 2001 prices)	Aus	10.5
	WA	21.5
	Rest	-11.0
Real international exports (\$million, 2001 prices)	Aus	118.9
	WA	151.3
	Rest	-32.4
Real international imports (\$million, 2001 prices)	Aus	10.5
	WA	12.1
	Rest	-1.6
Real total value added (GDP/GSP) (\$million, 2001 prices)	Aus	140.0
	WA	185.4
	Rest	-45.4
Employment (persons) (thousand persons)	Aus	-0.2
	WA	0.8
	Rest	-1.0

At the end of the simulation, the WAMP causes real GDP (Y) to increase by \$140 million and real domestic final demand (the sum of private consumption, public consumption, and investment, i.e., C+I+G) to increase by around \$30 million. This suggests an improvement in the balance between export volumes and import volumes (X-M) worth approximately \$110 million. Accordingly, to accommodate the WAMP exports (worth over \$250 million), there must be less exports of other goods and services and/or more imports. The mechanism to achieve this is real appreciation of the exchange rate. Real appreciation reduces the competitiveness of Australia's traded goods industries, leading to less traditional exports of agricultural, mining and tourism products and more imports.

Crowding out effects

Our discussion of the Australia-wide results emphasises that "crowding out" effects are important in making a balanced assessment of the costs and benefits of the WAMP. In 2020, exports from the WAMP amount to \$322 million. Yet, the Australia-wide impacts of this stimulus are much smaller. This is due to crowding out effects. Additional employment demand associated directly and indirectly with the WAMP causes the national real wage rate to increase. This inhibits employment throughout the economy. WAMP exports cause the exchange rate to strengthen. This reduces the competitiveness of Australia's traded-goods industries, crowding out other exports and encouraging imports.

At the state level, WA gains strongly from the WAMP. In the base case, real GSP in WA is valued at around \$90 billion (2001 prices) in 2020. Thus, the addition of \$257 million worth of methanol exports associated with the WAMP is equivalent to around 0.3 per cent of WA's GSP. The application of this 0.3 per cent additional production causes an increase in WA GSP of 0.38 per cent in 2020. This implies a multiplier for the WA economy on stimulation of commodity exports from the WAMP equal to around 1.3 (=0.4/0.3).

The simulated multiplier estimate is small compared to typical estimates derived from static input/output models. It is comparatively small for two reasons: (1) because of crowding out effects in WA arising from a higher national real wage rate and a stronger currency (see above), which are generally not captured in static input-output models; and (2) because the WAMP relies relatively little on non-WAMP intermediate inputs sourced from inside the state.

Effects on Industries

Most WA sectors are stimulated by increases in demands for their products in the expanded WA economy (see supporting Tables 3 and 5). The most trade-exposed sectors in the WA economy, and the ones that rely least on WA demand for absorption of their product, are the agriculture and coal industries. Consequently, these sectors gain least in terms of output and employment from the stimulation due to the WAMP. The industries with the least direct international exposure are those in the service sector. Apart from the WAMP and the natural gas industry, service industries have the largest percentage gains in output and employment.

In terms of real value added, the WAMP has adverse effects on the rest of Australia (see supporting Tables 4 and 6). This reflects the crowding out effects outlined above.

Effects on state and federal taxes.

Table II shows the impacts of the WAMP on government finances in 2020. All numbers are in \$million (constant 2001 prices). Supporting Table 7 gives results for all years of the simulation.

Table II: Government Revenue (deviations (\$million, 2001 prices) from base)

Variable	2020
Total revenue	
Federal	43
State - WA	40
State - ROA	-9
Direct taxes	
Federal	38
State - WA	2
State - ROA	0
Indirect taxes	
Federal	4
State - WA	17
State - ROA	-4
Interest received	
Federal	1
State - WA	2
State - ROA	-1
Commonwealth grants	
Federal	0
State - WA	20
State - ROA	-4

As can be seen from this table, in each of the three scenarios half of the total change in revenue for the WA government in 2020 comes from changes in Commonwealth grants. In our simulation, WA's share in those grants changes in line with the change in its nominal GSP relative to the average nominal GSP of the rest of Australia. An increase in WA GSP relative to the average of GSPs elsewhere leads to an increase in the share of Commonwealth grants going to WA.

Net Gain for Australians

We measure the net gain to Australians arising from the WAMP by the effects of the project on real Gross National Product (GNP). Real GNP is the real income which accrues to persons, enterprises and other organisation that are regarded as residents of Australia. Of course, the bulk of this is due to productive activity undertaken within the domestic economy (i.e. GDP). GNP equals GDP plus overseas income accruing to Australians less income paid to overseas residents.

In general, an increase in real GNP allows for:

1. increased real private and public consumption; and/or
2. increased real investment; and/or
3. a reduced deficit on current account in the Balance of Payments.

By itself, item 1 is unambiguously good for Australians. Increased investment (item 2) translates into higher income in future years and hence the possibility of increased

consumption in future years. A reduced current account deficit reduces Australia's reliance on foreign borrowings.

Table III shows the simulated net gains to Australians arising from the WAMP. The net gain in 2020 is estimated to be \$45.0 million in 2001 prices. This comprises \$140 million worth of extra real GDP, from which we deduct \$95 million worth of net income accruing overseas.

Table III: Net Gain to Australians (deviations (\$million, 2001 prices) from base)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Change in real GNP	0.0	10.6	3.4	40.9	78.7	82.6	78.2	77.0	76.3	74.8
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Change in real GNP	72.7	70.1	67.2	64.2	60.9	57.7	54.5	51.2	48.1	45.0

Supporting Tables

We report seven tables of detailed results:

Table 1: Macroeconomic Variables (percentage deviations from base)

Table 2: Macroeconomic Variables (absolute deviations from base)

Table 3: Industry Real Value Added – WA (deviations (\$million, 2001 prices) from base)

Table 4: Industry Real Value Added – Rest of Australia (deviations (\$million, 2001 prices) from base)

Table 5: Industry Employment – WA (deviations (thousand persons) from base)

Table 6: Industry Employment – Rest of Australia (deviations (thousand persons) from base)

Table 7: Government Revenue (deviations (\$million, 2001 prices) from base)

Table 1: Macroeconomic Variables (percentage deviations from base)

Variable		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Real private consumption	Aus	0.00	0.01	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.01
	WA	0.00	0.09	0.19	0.32	0.24	0.17	0.15	0.14	0.13	0.13
	Rest	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
Real public consumption (state)	Aus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Real public consumption (federal)	Aus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Real investment	Aus	0.00	0.10	0.19	0.21	0.04	0.01	0.01	0.01	0.01	0.01
	WA	0.00	0.86	1.65	1.92	0.55	0.26	0.19	0.18	0.18	0.18
	Rest	0.00	0.01	0.00	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01
Real international exports	Aus	0.00	-0.13	-0.24	-0.18	0.16	0.22	0.22	0.22	0.22	0.21
	WA	0.00	-0.17	-0.33	0.32	1.31	1.40	1.40	1.37	1.34	1.32
	Rest	0.00	-0.12	-0.22	-0.32	-0.16	-0.10	-0.10	-0.09	-0.09	-0.09
Real international imports	Aus	0.00	0.05	0.10	0.11	0.03	0.02	0.02	0.01	0.02	0.01
	WA	0.00	0.43	0.83	0.98	0.33	0.21	0.17	0.16	0.16	0.16
	Rest	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Real total value added (GDP/GSP)	Aus	0.00	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	WA	0.00	0.12	0.24	0.49	0.53	0.49	0.47	0.46	0.45	0.44
	Rest	0.00	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
Employment (hours)	Aus	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.00	0.17	0.33	0.45	0.23	0.15	0.13	0.12	0.12	0.12
	Rest	0.00	-0.01	-0.02	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01
Employment (persons)	Aus	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.00	0.17	0.33	0.45	0.23	0.15	0.13	0.12	0.12	0.12
	Rest	0.00	-0.01	-0.02	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01
Capital stock	Aus	0.00	0.00	0.00	0.07	0.13	0.13	0.13	0.13	0.12	0.12
	WA	0.00	0.00	0.01	0.67	1.37	1.42	1.40	1.37	1.34	1.31
	Rest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Real wage rate (consumer)	Aus	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01
	WA	0.00	-0.08	-0.13	-0.21	-0.09	0.00	0.01	0.00	0.00	0.00
	Rest	0.00	0.01	0.03	0.04	0.03	0.02	0.01	0.01	0.01	0.01

Table continued

Table 1 (continued): Macroeconomic Variables (percentage deviations from base)

Variable		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Real private consumption	Aus	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
	WA	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12
	Rest	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Real public consumption (state)	Aus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Real public consumption (federal)	Aus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Real investment	Aus	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	WA	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15
	Rest	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Real international exports	Aus	0.21	0.20	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.17
	WA	1.29	1.26	1.23	1.21	1.18	1.15	1.13	1.10	1.07	1.05
	Rest	-0.08	-0.08	-0.08	-0.08	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
Real international imports	Aus	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	WA	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14
	Rest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Real total value added (GDP/GSP)	Aus	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	WA	0.44	0.43	0.42	0.42	0.41	0.40	0.40	0.39	0.38	0.37
	Rest	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Employment (hours)	Aus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11
	Rest	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Employment (persons)	Aus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	WA	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11
	Rest	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Capital stock	Aus	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09
	WA	1.29	1.26	1.24	1.21	1.19	1.16	1.14	1.11	1.09	1.07
	Rest	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Real wage rate (consumer)	Aus	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	WA	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	Rest	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Table 2: Macroeconomic Variables (absolute deviations from base)

Variable		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Real private consumption (\$million, 2001 prices)	Aus	0.0	27.6	54.7	83.8	53.7	31.3	24.4	22.6	22.3	22.2
	WA	0.0	25.2	53.2	86.6	66.3	47.2	40.1	37.2	36.2	35.9
	Rest	0.0	2.4	1.5	-2.7	-12.7	-16.0	-15.6	-14.6	-14.0	-13.7
Real public consumption (state) (\$million, 2001 prices)	Aus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	WA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Real public consumption (federal) (\$million, 2001 prices)	Aus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	WA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Real investment (\$million, 2001 prices)	Aus	0.0	128.7	234.0	264.4	43.5	10.9	11.2	12.7	13.5	13.8
	WA	0.0	121.0	233.9	272.1	78.5	37.4	26.7	25.9	26.1	26.0
	Rest	0.0	7.7	0.0	-7.7	-35.0	-26.5	-15.5	-13.2	-12.6	-12.2
Real international exports (\$million, 2001 prices)	Aus	0.0	-83.0	-155.3	-111.6	107.6	151.9	152.4	151.1	149.4	147.2
	WA	0.0	-24.8	-47.6	46.1	188.7	202.5	201.5	198.0	194.1	190.1
	Rest	0.0	-58.2	-107.6	-157.8	-81.1	-50.6	-49.1	-46.9	-44.7	-42.9
Real international imports (\$million, 2001 prices)	Aus	0.0	47.1	86.7	103.9	29.1	15.1	13.6	13.5	13.6	13.5
	WA	0.0	36.4	70.3	83.7	28.3	17.7	14.5	13.9	13.8	13.7
	Rest	0.0	10.8	16.4	20.2	0.7	-2.5	-0.9	-0.4	-0.2	-0.2
Real total value added (GDP/GSP) (\$million, 2001 prices)	Aus	0.0	30.6	53.4	135.9	173.7	177.6	173.2	172.0	171.3	169.8
	WA	0.0	59.5	118.3	244.8	260.9	242.7	232.1	227.1	223.5	220.2
	Rest	0.0	-28.9	-64.9	-109.0	-87.2	-65.1	-58.9	-55.1	-52.3	-50.4
Employment (persons) (thousand persons)	Aus	0.0	0.5	0.8	0.4	-0.7	-0.5	-0.5	-0.4	-0.3	-0.3
	WA	0.0	1.2	2.4	3.1	1.4	1.0	0.8	0.8	0.8	0.8
	Rest	0.0	-0.7	-1.6	-2.7	-2.1	-1.5	-1.3	-1.2	-1.2	-1.1
Capital stock (\$million, 2001 prices)	Aus	0.0	1.1	34.7	1236.8	2516.0	2592.8	2535.9	2474.1	2417.0	2363.6
	WA	0.0	0.5	27.0	1229.0	2515.2	2618.3	2576.7	2520.1	2466.2	2415.3
	Rest	0.0	0.6	7.7	7.8	0.8	-25.5	-40.8	-46.0	-49.2	-51.7
International trade balance (\$billion, current prices)	Aus	0.0	-0.1	-0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.2
	WA	0.00	-0.06	-0.11	0.08	0.30	0.21	0.21	0.21	0.21	0.21
	Rest	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

Table continued

Table 2(continued): Macroeconomic Variables (absolute deviations from base)

Variable		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Real private consumption (\$million, 2001 prices)	Aus	22.1	21.8	21.4	20.9	20.3	19.7	19.0	18.4	17.7	17.0
	WA	35.7	35.5	35.3	35.0	34.6	34.2	33.7	33.3	32.8	32.2
	Rest	-13.6	-13.7	-13.9	-14.1	-14.3	-14.5	-14.7	-14.9	-15.1	-15.2
Real public consumption (state) (\$million, 2001 prices)	Aus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	WA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Real public consumption (federal) (\$million, 2001 prices)	Aus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	WA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Rest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Real investment (\$million, 2001 prices)	Aus	13.8	13.6	13.2	12.9	12.4	12.0	11.6	11.2	10.8	10.5
	WA	25.7	25.3	24.8	24.3	23.8	23.4	22.9	22.4	21.9	21.5
	Rest	-11.9	-11.7	-11.6	-11.5	-11.4	-11.4	-11.3	-11.2	-11.1	-11.0
Real international exports (\$million, 2001 prices)	Aus	144.7	142.0	139.1	136.2	133.2	130.3	127.3	124.5	121.7	118.9
	WA	186.1	182.1	178.1	174.2	170.2	166.3	162.5	158.7	155.0	151.3
	Rest	-41.4	-40.1	-39.0	-38.0	-37.0	-36.1	-35.1	-34.2	-33.3	-32.4
Real international imports (\$million, 2001 prices)	Aus	13.3	13.1	12.8	12.5	12.1	11.8	11.5	11.2	10.8	10.5
	WA	13.6	13.5	13.4	13.2	13.1	12.9	12.7	12.5	12.3	12.1
	Rest	-0.3	-0.4	-0.6	-0.7	-0.9	-1.1	-1.2	-1.4	-1.5	-1.6
Real total value added (GDP/GSP) (\$million, 2001 prices)	Aus	167.7	165.1	162.2	159.2	155.9	152.7	149.5	146.2	143.1	140.0
	WA	216.9	213.5	210.1	206.6	203.1	199.5	196.0	192.5	188.9	185.4
	Rest	-49.2	-48.4	-47.8	-47.4	-47.1	-46.8	-46.5	-46.2	-45.8	-45.4
Employment (persons) (thousand persons)	Aus	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	WA	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8
	Rest	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0
Capital stock (\$million, 2001 prices)	Aus	2312.5	2263.0	2214.6	2167.2	2120.6	2074.8	2029.5	1985.1	1941.3	1898.1
	WA	2366.4	2318.8	2272.1	2226.2	2181.0	2136.4	2092.4	2049.0	2006.1	1963.7
	Rest	-53.9	-55.8	-57.5	-59.0	-60.4	-61.7	-62.9	-63.9	-64.8	-65.6
International trade balance (\$billion, current prices)	Aus	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	WA	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
	Rest	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

Table 3: Industry Real Value Added – WA (deviations (\$million, 2001 prices) from base)

Industry	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1. Agriculture	0.0	-0.9	-1.8	-2.7	-1.5	-0.8	-0.6	-0.6	-0.5	-0.5
2. Forestry	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
3. Iron ore	0.0	-0.8	-1.6	-2.5	-1.7	-1.0	-0.9	-0.9	-0.9	-0.9
4. Non-iron ore	0.0	-2.2	-4.6	-7.7	-5.4	-3.0	-2.3	-2.0	-1.8	-1.6
5. Black coal	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.2	0.2	0.1
6. Crude oil	0.0	-0.1	-0.3	-0.7	-0.9	-0.8	-0.7	-0.7	-0.6	-0.6
7. Natural gas	0.0	0.1	0.1	17.3	34.8	36.1	36.2	36.2	36.2	36.2
8. Brown coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. Food, beverages and tobacco	0.0	0.0	0.0	-0.1	0.0	0.2	0.2	0.3	0.3	0.3
10. Textiles, clothing, footwear	0.0	-0.1	-0.2	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0
11. Wood and paper products	0.0	0.1	0.2	-0.1	-0.4	0.0	0.1	0.1	0.2	0.2
12. Chemical prods. excl. petrol	0.0	-0.3	-0.6	-1.2	-0.9	-0.3	-0.2	-0.1	-0.1	-0.1
13. Petroleum products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. Building prods (not cement & metal)	0.0	0.8	1.7	1.9	0.6	0.5	0.5	0.4	0.4	0.4
15. Cement	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1
16. Iron and steel	0.0	0.0	0.1	-0.1	-0.2	0.1	0.1	0.1	0.1	0.1
17. Aluminium/alumina & magnesium	0.0	-0.6	-1.1	-2.6	-2.0	-0.7	-0.6	-0.5	-0.5	-0.4
18. Other metal products	0.0	-0.1	-0.2	-1.3	-1.3	-0.3	-0.2	-0.1	-0.1	-0.1
19. Motor vehicles and parts	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0
20. Other manufacturing	0.0	1.7	3.3	3.6	0.8	0.7	0.6	0.6	0.6	0.7
21. Electricity – black coal	0.0	0.1	0.2	1.2	1.4	0.8	0.7	0.7	0.6	0.5
22. Electricity – brown coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23. Electricity – gas	0.0	0.1	0.2	-1.3	-1.9	-0.6	-0.4	-0.3	-0.2	-0.1
24. Electricity – oil prods.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25. Electricity – other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26. Electricity supply	0.0	0.2	0.3	0.2	0.0	0.2	0.2	0.3	0.3	0.3
27. Urban gas distribution	0.0	0.0	0.0	-0.3	-0.4	0.0	0.0	0.0	0.0	0.1
28. Water and sewerage services	0.0	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
29. Construction services	0.0	26.7	53.7	65.4	23.5	13.3	9.6	8.9	8.8	8.8
30. Trade services	0.0	13.4	26.7	34.8	16.3	11.4	9.9	9.8	10.0	10.1
31. Road transport services	0.0	1.3	2.6	3.6	2.4	2.3	2.2	2.2	2.2	2.3
32. Rail transport services	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
33. Water transport services	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
34. Air transport services	0.0	-0.2	-0.3	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0
35. Other transport services	0.0	-0.2	-0.5	-0.6	0.0	0.4	0.4	0.4	0.5	0.5
36. Communications services	0.0	0.6	1.3	2.0	1.4	1.1	1.0	1.0	1.0	1.1
37. Finance, property and business services	0.0	6.4	13.1	17.3	9.3	7.5	6.7	6.6	6.7	6.8
38. Dwelling services	0.0	0.0	0.1	0.4	1.1	2.0	2.6	3.0	3.3	3.6
39. Public services	0.0	2.4	5.0	8.3	6.2	4.2	3.7	3.5	3.5	3.6
40. Other private services	0.0	0.6	1.2	2.0	1.5	1.0	0.9	0.9	0.9	0.9
41. Private transport services	0.0	0.1	1.1	2.4	3.8	3.4	2.5	2.0	1.8	1.8
42. WAMP	0.0	0.0	0.0	89.7	179.5	179.5	179.5	179.5	179.5	179.5

Table continued

Table 3(continued): Industry Real Value Added – WA (deviations (\$million, 2001 prices) from base)

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1. Agriculture	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2
2. Forestry	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3. Iron ore	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8
4. Non-iron ore	-1.3	-1.1	-0.9	-0.7	-0.5	-0.3	-0.1	0.1	0.2	0.4
5. Black coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
6. Crude oil	-0.5	-0.5	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	-0.2	-0.2
7. Natural gas	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5
8. Brown coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. Food, beverages and tobacco	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10. Textiles, clothing, footwear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. Wood and paper products	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5
12. Chemical prods. excl. petrol	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
13. Petroleum products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. Building prods (not cement & metal)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15. Cement	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16. Iron and steel	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17. Aluminium/alumina & magnesium	-0.4	-0.4	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.1	-0.1
18. Other metal products	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
19. Motor vehicles and parts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
20. Other manufacturing	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
21. Electricity – black coal	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	-0.1
22. Electricity – brown coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23. Electricity – gas	-0.1	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
24. Electricity – oil prods.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25. Electricity – other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26. Electricity supply	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
27. Urban gas distribution	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28. Water and sewerage services	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
29. Construction services	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
30. Trade services	10.3	10.5	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.2
31. Road transport services	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6
32 Rail transport services	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
33 Water transport services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Air transport services	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
35 Other transport services	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
36 Communications services	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
37 Finance, property and business services	7.0	7.2	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1
38 Dwelling services	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.6	5.8	6.0
39 Public services	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
40 Other private services	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
41 Private transport services	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
42 WAMP	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5

Table 4: Industry Real Value Added – Rest of Australia (deviations (\$million, 2001 prices) from base)

Industry	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1. Agriculture	0.0	-4.5	-8.5	-12.7	-6.8	-4.4	-4.4	-4.2	-4.0	-3.9
2. Forestry	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
3. Iron ore	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Non-iron ore	0.0	-1.2	-2.2	-3.4	-1.8	-1.2	-1.3	-1.2	-1.2	-1.2
5. Black coal	0.0	-1.8	-3.5	-5.3	-3.2	-2.4	-2.5	-2.5	-2.5	-2.5
6. Crude oil	0.0	-0.2	-0.7	-1.4	-1.5	-0.9	-0.4	-0.3	-0.3	-0.3
7. Natural gas	0.0	0.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
8. Brown coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. Food, beverages and tobacco	0.0	-2.2	-4.3	-6.6	-3.8	-2.6	-2.7	-2.6	-2.5	-2.5
10. Textiles, clothing, footwear	0.0	-1.3	-2.6	-4.0	-2.2	-1.5	-1.5	-1.5	-1.4	-1.4
11. Wood and paper products	0.0	0.0	0.1	-0.6	-1.0	-1.0	-1.2	-1.1	-1.1	-1.1
12. Chemical prods. excl. petrol	0.0	-1.2	-2.4	-3.6	-1.9	-1.3	-1.4	-1.3	-1.3	-1.2
13. Petroleum products	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
14. Building prods (not cement & metal)	0.0	0.3	0.4	0.3	-0.3	-0.5	-0.4	-0.4	-0.4	-0.4
15. Cement	0.0	0.0	0.1	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1
16. Iron and steel	0.0	-0.4	-0.8	-1.3	-1.0	-0.7	-0.8	-0.7	-0.7	-0.7
17. Aluminium/alumina & magnesium	0.0	-0.6	-1.2	-1.6	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8
18. Other metal products	0.0	-0.6	-1.3	-2.4	-2.0	-1.6	-1.6	-1.6	-1.5	-1.5
19. Motor vehicles and parts	0.0	-0.1	-0.7	-1.5	-2.0	-1.6	-1.2	-1.0	-0.9	-0.9
20. Other manufacturing	0.0	0.0	0.1	-1.6	-2.6	-1.9	-2.0	-1.9	-1.9	-1.8
21. Electricity – black coal	0.0	-0.5	-1.0	-1.6	-1.1	-0.9	-0.8	-0.8	-0.8	-0.8
22. Electricity – brown coal	0.0	-0.1	-0.2	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2
23. Electricity – gas	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
24. Electricity – oil prods.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25. Electricity – other	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
26. Electricity supply	0.0	-0.2	-0.4	-0.7	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4
27. Urban gas distribution	0.0	0.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
28. Water and sewerage services	0.0	-0.2	-0.4	-0.6	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4
29. Construction services	0.0	2.2	1.0	-0.3	-7.6	-6.8	-4.5	-3.9	-3.7	-3.6
30. Trade services	0.0	-6.4	-14.5	-24.5	-19.2	-14.3	-13.0	-12.4	-12.0	-11.7
31. Road transport services	0.0	-1.4	-3.0	-4.8	-3.4	-2.4	-2.3	-2.2	-2.1	-2.0
32 Rail transport services	0.0	-0.2	-0.3	-0.2	0.3	0.5	0.5	0.5	0.5	0.5
33 Water transport services	0.0	-0.4	-0.7	-1.1	-0.6	-0.4	-0.4	-0.4	-0.3	-0.3
34 Air transport services	0.0	-1.1	-2.3	-3.5	-2.1	-1.6	-1.6	-1.6	-1.6	-1.5
35 Other transport services	0.0	-2.2	-4.2	-6.5	-3.6	-2.4	-2.4	-2.3	-2.3	-2.3
36 Communications services	0.0	-0.1	-0.4	-0.9	-0.9	-0.8	-0.8	-0.7	-0.7	-0.7
37 Finance, property and business services	0.0	-3.5	-8.1	-14.5	-12.3	-9.4	-8.9	-8.5	-8.2	-8.1
38 Dwelling services	0.0	0.0	0.5	1.1	1.6	1.0	0.2	-0.4	-0.9	-1.3
39 Public services	0.0	-1.1	-2.7	-4.7	-4.2	-3.5	-3.3	-3.2	-3.0	-3.0
40 Other private services	0.0	0.1	0.0	-0.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
41 Private transport services	0.0	0.0	0.4	0.5	0.4	-0.4	-0.8	-0.7	-0.6	-0.6
42 Dummy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table continued

Table 4(continued): Industry Real Value Added – Rest of Australia (deviations (\$million, 2001 prices) from base)

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1. Agriculture	-3.8	-3.7	-3.7	-3.6	-3.6	-3.5	-3.5	-3.4	-3.4	-3.3
2. Forestry	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
3. Iron ore	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Non-iron ore	-1.2	-1.3	-1.3	-1.3	-1.3	-1.4	-1.4	-1.4	-1.4	-1.5
5. Black coal	-2.6	-2.6	-2.7	-2.8	-2.8	-2.9	-3.0	-3.0	-3.1	-3.1
6. Crude oil	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5
7. Natural gas	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
8. Brown coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. Food, beverages and tobacco	-2.4	-2.4	-2.4	-2.4	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10. Textiles, clothing, footwear	-1.4	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.4	-1.4	-1.4
11. Wood and paper products	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.3
12. Chemical prods. excl. petrol	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.3	-1.3
13. Petroleum products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. Building prods (not cement & metal)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
15. Cement	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
16. Iron and steel	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
17. Aluminium/alumina & magnesium	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9
18. Other metal products	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.6	-1.6	-1.6	-1.6
19. Motor vehicles and parts	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
20. Other manufacturing	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8
21. Electricity – black coal	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
22. Electricity – brown coal	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
23. Electricity – gas	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
24. Electricity – oil prods.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25. Electricity – other	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
26. Electricity supply	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
27. Urban gas distribution	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
28. Water and sewerage services	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
29. Construction services	-3.5	-3.5	-3.5	-3.5	-3.5	-3.6	-3.6	-3.6	-3.7	-3.7
30. Trade services	-11.6	-11.6	-11.7	-11.8	-11.9	-12.0	-12.2	-12.3	-12.4	-12.5
31. Road transport services	-2.0	-2.0	-2.0	-2.0	-2.0	-2.1	-2.1	-2.1	-2.1	-2.1
32 Rail transport services	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
33 Water transport services	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
34 Air transport services	-1.5	-1.5	-1.5	-1.5	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6
35 Other transport services	-2.2	-2.2	-2.2	-2.2	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
36 Communications services	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8
37 Finance, property and business services	-8.0	-8.1	-8.1	-8.2	-8.4	-8.5	-8.6	-8.7	-8.8	-9.0
38 Dwelling services	-1.7	-2.1	-2.5	-2.8	-3.2	-3.5	-3.9	-4.2	-4.5	-4.8
39 Public services	-3.0	-3.0	-3.0	-3.1	-3.1	-3.2	-3.2	-3.3	-3.3	-3.4
40 Other private services	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6
41 Private transport services	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7
42 Dummy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5: Industry Employment – WA (deviations (thousand persons) from base)

Industry	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1. Agriculture	0.00	-0.03	-0.06	-0.09	-0.04	-0.02	-0.01	-0.01	-0.01	-0.01
2. Forestry	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
3. Iron ore	0.00	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00
4. Non-iron ore	0.00	-0.02	-0.05	-0.07	-0.04	-0.01	-0.01	0.00	0.00	0.00
5. Black coal	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
6. Crude oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Natural gas	0.00	0.00	0.00	0.04	0.05	0.01	0.01	0.01	0.01	0.01
8. Brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Food, beverages and tobacco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
10. Textiles, clothing, footwear	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
11. Wood and paper products	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01
12. Chemical prods. excl. petrol	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
13. Petroleum products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Building prods (not cement & metal)	0.00	0.02	0.04	0.05	0.01	0.01	0.01	0.01	0.01	0.01
15. Cement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16. Iron and steel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17. Aluminium/alumina & magnesium	0.00	-0.01	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00
18. Other metal products	0.00	0.00	0.00	-0.03	-0.03	-0.01	0.00	0.00	0.00	0.00
19. Motor vehicles and parts	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
20. Other manufacturing	0.00	0.06	0.12	0.13	0.03	0.02	0.02	0.02	0.02	0.02
21. Electricity – black coal	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00
22. Electricity – brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23. Electricity – gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24. Electricity – oil prods.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25. Electricity – other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26. Electricity supply	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00
27. Urban gas distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28. Water and sewerage services	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
29. Construction services	0.00	0.50	0.98	1.15	0.37	0.18	0.12	0.11	0.11	0.12
30. Trade services	0.00	0.42	0.81	1.03	0.43	0.27	0.22	0.22	0.22	0.22
31. Road transport services	0.00	0.02	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03
32. Rail transport services	0.00	0.00	-0.01	0.01	0.03	0.04	0.04	0.04	0.04	0.04
33. Water transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34. Air transport services	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
35. Other transport services	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01	0.01
36. Communications services	0.00	0.01	0.03	0.04	0.02	0.01	0.01	0.01	0.01	0.01
37. Finance, property and business services	0.00	0.17	0.35	0.44	0.21	0.15	0.12	0.11	0.11	0.11
38. Dwelling services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39. Public services	0.00	0.06	0.12	0.20	0.15	0.10	0.09	0.08	0.08	0.08
40. Other private services	0.00	0.04	0.09	0.15	0.11	0.07	0.05	0.05	0.05	0.05
41. Private transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42. WAMP	0.00	0.00	0.00	0.06	0.12	0.11	0.11	0.11	0.11	0.11

Table continued

Table 5(continued): Industry Employment – WA (deviations (thousand persons) from base)

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1. Agriculture	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
2. Forestry	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3. Iron ore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Non-iron ore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Black coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Crude oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Natural gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
8. Brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Food, beverages and tobacco	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10. Textiles, clothing, footwear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Wood and paper products	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
12. Chemical prods. excl. petrol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Petroleum products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Building prods (not cement & metal)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
15. Cement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16. Iron and steel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17. Aluminium/alumina & magnesium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18. Other metal products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19. Motor vehicles and parts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20. Other manufacturing	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
21. Electricity – black coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22. Electricity – brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23. Electricity – gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24. Electricity – oil prods.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25. Electricity – other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26. Electricity supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27. Urban gas distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28. Water and sewerage services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. Construction services	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
30. Trade services	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
31. Road transport services	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
32. Rail transport services	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
33. Water transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34. Air transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35. Other transport services	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
36. Communications services	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
37. Finance, property and business services	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
38. Dwelling services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39. Public services	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
40. Other private services	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04
41. Private transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42. WAMP	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10

Table 6: Industry Employment – Rest of Australia (deviations (thousand persons) from base)

Industry	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1. Agriculture	0.00	-0.16	-0.29	-0.44	-0.23	-0.14	-0.14	-0.13	-0.13	-0.12
2. Forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Iron ore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Non-iron ore	0.00	-0.02	-0.03	-0.05	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
5. Black coal	0.00	-0.03	-0.06	-0.09	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03
6. Crude oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Natural gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Food, beverages and tobacco	0.00	-0.05	-0.10	-0.15	-0.08	-0.05	-0.05	-0.05	-0.05	-0.04
10. Textiles, clothing, footwear	0.00	-0.04	-0.08	-0.12	-0.06	-0.04	-0.04	-0.04	-0.04	-0.03
11. Wood and paper products	0.00	0.00	0.00	-0.02	-0.04	-0.03	-0.04	-0.03	-0.03	-0.03
12. Chemical prods. excl. petrol	0.00	-0.01	-0.03	-0.04	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
13. Petroleum products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Building prods (not cement & metal)	0.00	0.01	0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01
15. Cement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16. Iron and steel	0.00	-0.01	-0.02	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
17. Aluminium/alumina & magnesium	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
18. Other metal products	0.00	-0.02	-0.04	-0.07	-0.05	-0.04	-0.04	-0.04	-0.04	-0.04
19. Motor vehicles and parts	0.00	0.00	-0.02	-0.04	-0.06	-0.04	-0.03	-0.03	-0.02	-0.02
20. Other manufacturing	0.00	0.00	0.01	-0.05	-0.09	-0.06	-0.06	-0.06	-0.06	-0.06
21. Electricity – black coal	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
22. Electricity – brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23. Electricity – gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24. Electricity – oil prods.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25. Electricity – other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26. Electricity supply	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
27. Urban gas distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28. Water and sewerage services	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
29. Construction services	0.00	0.05	0.01	-0.03	-0.18	-0.16	-0.10	-0.09	-0.08	-0.08
30. Trade services	0.00	-0.20	-0.45	-0.74	-0.57	-0.40	-0.35	-0.33	-0.31	-0.30
31. Road transport services	0.00	-0.03	-0.06	-0.09	-0.06	-0.04	-0.04	-0.03	-0.03	-0.03
32 Rail transport services	0.00	-0.01	-0.02	-0.01	0.03	0.04	0.04	0.04	0.04	0.03
33 Water transport services	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
34 Air transport services	0.00	-0.02	-0.03	-0.04	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
35 Other transport services	0.00	-0.04	-0.07	-0.10	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03
36 Communications services	0.00	0.00	-0.01	-0.02	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01
37 Finance, property and business services	0.00	-0.08	-0.19	-0.33	-0.27	-0.19	-0.17	-0.15	-0.14	-0.14
38 Dwelling services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Public services	0.00	-0.03	-0.07	-0.12	-0.10	-0.08	-0.08	-0.07	-0.07	-0.07
40 Other private services	0.00	0.00	-0.01	-0.02	-0.04	-0.04	-0.04	-0.04	-0.03	-0.03
41 Private transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42 Dummy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table continued

Table 6(continued): Industry Employment – Rest of Australia (deviations (thousand persons) from base)

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1. Agriculture	-0.12	-0.12	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.10	-0.10
2. Forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Iron ore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Non-iron ore	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
5. Black coal	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
6. Crude oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Natural gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Food, beverages and tobacco	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
10. Textiles, clothing, footwear	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
11. Wood and paper products	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
12. Chemical prods. excl. petrol	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
13. Petroleum products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Building prods (not cement & metal)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
15. Cement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16. Iron and steel	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
17. Aluminium/alumina & magnesium	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
18. Other metal products	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
19. Motor vehicles and parts	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
20. Other manufacturing	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
21. Electricity – black coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22. Electricity – brown coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23. Electricity – gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24. Electricity – oil prods.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25. Electricity – other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26. Electricity supply	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
27. Urban gas distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28. Water and sewerage services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. Construction services	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
30. Trade services	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.28
31. Road transport services	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
32 Rail transport services	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
33 Water transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Air transport services	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
35 Other transport services	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
36 Communications services	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
37 Finance, property and business services	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13
38 Dwelling services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Public services	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
40 Other private services	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
41 Private transport services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42 Dummy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table7: Government Revenue (deviations (\$million, 2001 prices) from base

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total revenue										
Federal	0	10	20	48	46	37	34	34	35	36
State - WA	0	15	29	70	66	42	39	39	39	39
State - ROA	0	-9	-17	-28	-18	-9	-9	-9	-9	-9
Direct taxes										
Federal	0	9	18	41	38	32	31	31	31	32
State - WA	0	1	1	3	3	2	1	1	2	2
State - ROA	0	0	-1	-1	-1	0	0	0	0	0
Indirect taxes										
Federal	0	1	2	5	6	3	2	3	3	3
State - WA	0	6	12	29	27	18	16	16	17	17
State - ROA	0	-4	-9	-14	-8	-4	-4	-4	-4	-4
Interest received										
Federal	0	0	1	2	2	1	1	1	1	1
State - WA	0	1	1	3	3	2	2	2	2	2
State - ROA	0	-1	-1	-2	-1	-1	-1	-1	-1	-1
Commonwealth grants										
Federal	0	0	0	0	0	0	0	0	0	0
State - WA	0	7	15	36	34	21	19	19	20	20
State - ROA	0	-3	-7	-12	-8	-4	-4	-4	-4	-4
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total revenue										
Federal	37	37	38	39	40	40	41	41	42	43
State - WA	40	40	40	40	40	40	40	40	40	40
State - ROA	-8	-8	-9	-9	-9	-9	-9	-9	-9	-9
Direct taxes										
Federal	32	33	34	34	35	35	36	37	37	38
State - WA	2	2	2	2	2	2	2	2	2	2
State - ROA	0	0	0	0	0	0	0	0	0	0
Indirect taxes										
Federal	3	4	4	4	4	4	4	4	4	4
State - WA	17	17	17	17	17	17	17	17	17	17
State - ROA	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
Interest received										
Federal	1	1	1	1	1	1	1	1	1	1
State - WA	2	2	2	2	2	2	2	2	2	2
State - ROA	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Commonwealth grants										
Federal	0	0	0	0	0	0	0	0	0	0
State - WA	20	20	20	20	20	20	20	20	20	20
State - ROA	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4

