

Directory of Electricity, Gas and Water Supply Statistics

2001

Dennis Trewin
Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS
EMBARGO: 11.30AM (CANBERRA TIME) TUES 1 MAY 2001

ABS Catalogue No. 1140.0
ISBN 0 642 47704 3

© Commonwealth of Australia 2001

This work is copyright. Apart from any use as permitted under the *Copyright Act 1968*, no part may be reproduced by any process without permission from AusInfo. Requests and inquiries concerning reproduction and rights should be addressed to the Manager, Legislative Services, AusInfo, GPO Box 84, Canberra, ACT, 2601.

In all cases the ABS must be acknowledged as the source when reproducing or quoting any part of an ABS publication or other product.

Produced by the Australian Bureau of Statistics

INQUIRIES

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

CONTENTS

	Page
PREFACE	v
INTRODUCTION	vii
HOW TO USE THIS DIRECTORY	ix
DATA SOURCES*	
General	1
Education and training	4
Employment	15
Environment	58
Financial performance	71
Innovation and technology	94
International investment and trade	98
National accounts	100
Prices	112
Production	118
Research and experimental development	161
Usage	163
AUSTRALIAN BUREAU OF STATISTICS SERVICES	178
LIST OF ABBREVIATIONS, ACRONYMS AND OTHER USAGES	183
INDEXES	
Industry	185
Contributor and data source	187
Subject	191

* For data sources by industry, refer to pages 185 to 186.

PREFACE

The electricity, gas and water supply industries are important components of Australia's economy. In 1998–99 they contributed 2% of Australia's gross domestic product and their combined assets accounted for 4% of Australia's total.

Until the late 1980s, the electricity and gas supply industries were comprised of publicly owned, vertically integrated monopoly suppliers which operated in highly regulated State markets. With the establishment of the 1995 National Competition Policy (NCP), a series of reforms were introduced to deregulate and privatise these industries, resulting in significant restructuring of businesses.

The NCP has similar effects on the water supply industry. Prior to NCP this industry was also State owned and highly regulated. With the NCP, the water supply industry underwent substantial changes. In most jurisdictions, urban water authorities have been moved out of government departments and corporatised.

This directory contains comprehensive information on Australian sources of electricity, gas and water supply statistics from both the public and private sectors. It lists Australian Bureau of Statistics (ABS) collections which contain data related to electricity, gas and water supply, as well as other non-ABS sources. The indexes at the back of this directory provide a quick reference by subject, industry and data source.

The ABS is not responsible for the quality of the information provided by other organisations and inclusion in this directory should not be taken as an endorsement by the ABS.

If you have information on other data sources, or wish to comment on any other aspect of the directory please contact:

Assistant Director (Mining)
Agriculture, Mining and Manufacturing Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7238
Facsimile: Canberra 02 6252 8016
Email: mining@abs.gov.au

I would like to thank the organisations which have contributed to this directory.

Dennis Trewin
Australian Statistician
1 May 2001

INTRODUCTION

This directory provides researchers with a ready reference to Australian sources of statistical information related to the electricity, gas and water supply industries.

Electricity, gas and water supply are defined in the 1993 edition of the *Australian and New Zealand Standard Industrial Classification* (ANZSIC) as broadly relating to the generation, transmission or distribution of electricity; the manufacture of town gas from coal and/or petroleum or the distribution of manufactured town gas, natural gas or liquefied petroleum gas through a mains reticulation system; the storage, purification or supply of water; or the operation of sewerage or drainage systems including sewerage treatment plants.

Following are the ANZSIC Subdivisions and Groups of ANZSIC Division D (Electricity, Gas and Water Supply):

Subdivision	Group	Class	Title
36			Electricity and Gas Supply
	361		
		3610	Electricity Supply
	362		
		3620	Gas Supply
37			Water Supply, Sewerage and Drainage Services
	370		
		3701	Water Supply
		3702	Sewerage and Drainage Services

The main section of the directory presents details of electricity, gas and water supply-related data sources by broad subject heading. Each data source entry contains sections entitled:

- Name of collection;
- Contact;
- Purpose;
- Description;
- Data detail;
- Geographic coverage;
- Frequency of data availability;
- Historical data; and
- Products and services.

Some entries also contain an 'Example of information available', which illustrates some of the data which are available from that data source. Please note that these examples constitute only a small amount of the information that is available and that more detailed data are available from the 'Contact' for each data source. There may be a charge for obtaining data from an organisation.

You can also obtain access to the directory on the ABS web site: <http://www.abs.gov.au>.

SYMBOLS AND OTHER USAGES

n.a.	not available
n.e.c.	not elsewhere classified
n.p.	not available for publication but included in totals where applicable, unless otherwise indicated
*	subject to sampling variability too high for most practical purposes (relative standard error 25%–50%)
**	subject to sampling variability too high for practical purposes (relative standard error over 50%)
—	nil or rounded to zero (including null cells)

HOW TO USE THIS DIRECTORY

To find your topic of interest in this directory, you can choose any of the methods below.

DATA SOURCE HEADING

All entries are categorised under data source headings which are listed on the Contents page. You may find the data source headings useful if you are interested in a particular topic. It should be noted that where the content of a collection is appropriate to a number of headings, the collection has been included under the most appropriate heading. All directory entries on a similar topic are listed in alphabetical order.

SUBJECT INDEX

Use the Subject Index near the back of the directory to find your topic of interest or data source from a listing of key words, and turn to its page reference. All directory entries on a similar topic are listed in alphabetical order.

CONTRIBUTOR AND DATA SOURCE INDEX

If you know the name of the organisation, look in the Contributor and Data Source Index, which is located after the Subject Index.

UPDATING THIS DIRECTORY

The ABS welcomes feedback from users of the directory, especially on any errors, omissions or out of date entries. Any feedback we receive will be reflected in updates to the web version of the directory (the ABS website is at <http://www.abs.gov.au>) as soon as possible; updates to the printed version of the directory will be held over for periodic reprints.

To update or add new entries to the Directory of Electricity, Gas and Water Supply Statistics, please supply information by data source as given in this current Directory. The information can be faxed or emailed to:

Assistant Director (Mining)
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7238
Facsimile: Canberra 02 6252 8016
Email: mining@abs.gov.au

DATA SOURCES

GENERAL

NAME OF COLLECTION

ABS Business Register Counts

Contact

Manager
Investigations and Statistical Output (ISO)
Australian Bureau of Statistics
GPO Box 2796Y
MELBOURNE VIC 3001

Telephone: Melbourne 03 9615 7506
Facsimile: Melbourne 03 9615 7705
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The primary purpose of the Australian Bureau of Statistics (ABS) Business Register is to provide a comprehensive source of business names and addresses from which businesses can be selected for inclusion in ABS economic censuses and sample surveys.

Besides business names and addresses, data recorded on the Register for each business include items such as type of legal organisation, main economic activity such as electricity, gas and water supply, geographic location and employment size. These data items can be made available to ABS clients. Note that business names and addresses are not provided to ABS clients.

Description

The ABS Business Register includes those businesses that employ wage and salary earners and businesses with no employment but which are linked by common ownership or control to another business that does. Non-employed businesses classified to the Agriculture industry are included on the Business Register. Other non-employed businesses are not included on the Business Register.

The term 'business' is taken to mean a legal entity such as a registered company, partnership, trust, sole proprietor, religious organisation, government department, or any other legally recognised organisation which provides goods and services.

GENERAL

Description *continued*

Most new employing businesses are identified and included on the Register within one to six months of commencing. However, daily fluctuations in the size and number of businesses and the problems inherent in detecting these fluctuations in a timely manner, make it difficult to keep the Register completely up to date.

The ABS Business Register is produced as an administrative by-product from various sources including ABS collections and other government agencies.

Data detail

- counts of businesses;
- aggregate employment of business;
- industry type;
- size of business (employment range); and
- type of legal organisation.

Geographic coverage

The data can be obtained at the National, State, Local Government Area and Postcode level.

Customised regions based on any of the above geographic levels can be provided as a special data request.

Frequency of data availability

The data are updated irregularly. The last release was in September 1998.

Historical data

The ABS Business Register is a 'snapshot' of the Register at a particular point in time. Currently, the snapshot is based on counts as at September 1998. The Register 'snapshot' is available by *Australian Standard Industrial Classification* (ASIC) from May 1986 and by *Australian and New Zealand Standard Industrial Classification* (ANZSIC) from March 1994. Detailed comparisons should not be made with Register data from other time periods. Use of Register data for time series analyses may result in inaccurate and misleading conclusions being drawn due to changes in the classifications, definitions and Register updating practices.

Products and services

Other

- Available as a special data service request.

Example of information available

BUSINESS LOCATIONS BY EMPLOYMENT SIZE FOR ELECTRICITY, GAS, WATER SUPPLY, SEWERAGE
AND DRAINAGE, Australia — September 1998

<i>Employment size</i>	<i>Electricity supply</i>	<i>Gas supply</i>	<i>Water supply</i>	<i>Sewerage and drainage services</i>	<i>Total</i>
Under 5	239	40	758	452	1 489
5–9	117	13	203	98	431
10–19	142	18	137	42	339
20–49	141	19	93	26	279
50–99	94	11	41	12	158
100–199	58	7	13	3	81
200–499	33	2	5	1	41
500 and over	7	—	2	—	9
Total business locations	831	110	1 252	634	2 827
Total employment	37 422	3 233	14 793	4 154	59 602

EDUCATION AND TRAINING

NAME OF COLLECTION

Aspects of Literacy, Survey of

Contact

Assistant Director
Education and Training Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7960
Facsimile: Canberra 02 6252 8013
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To measure some elements of Australians' literacy and numeracy skills. The literacy and numeracy skills covered by the survey were the information processing skills necessary to use printed material found at work, at home and in the community.

Description

The sample survey covered all persons aged 15–74 years who were usual residents of private dwellings, excluding overseas residents in Australia; certain diplomatic personnel of overseas governments; and members of non-Australian defence forces (and their dependants) stationed in Australia. The survey was conducted in both urban and rural areas in all States and Territories, but excluded persons living in certain remote and sparsely settled parts of Australia. The initial sample for the survey consisted of around 13,000 dwellings. Dwellings were selected at random using a multistage area sample of private dwellings. One person per dwelling was selected at random to participate in the survey. After allowing for sample loss (e.g. derelict buildings, buildings under construction) the sample yielded 9,302 (87%) completed survey interviews.

Data were collected by face-to-face interview.

Data detail

The Survey of Aspects of Literacy objectively assessed three types of literacy:

- prose literacy, i.e. the ability to understand and use information from various kinds of prose texts, including text from newspapers, magazines and brochures;

Data detail *continued*

- document literacy, i.e. the ability to locate and use information contained in materials such as tables, schedules, charts, graphs and maps; and
- quantitative literacy, i.e. the ability to perform arithmetic operations using numbers contained in printed texts or documents.

The survey linked these assessments with a wide range of data items, for example:

- education and training;
- language and literacy;
- disability status;
- reading and writing usage;
- occupation of mother's/father's main job;
- level of mother's/father's educational attainment;
- personal income from wages, salary or self-employment; and
- industry of current job (based on *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC)).

For example, data are available for the above items for persons whose current job (i.e. at the survey date) was in the electricity, gas and water supply industries.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Irregular.

Reference period

The survey was conducted between May and July 1996.

Historical data

Historical data are not available from this collection.

Products and services

Publications

- *Aspects of Literacy: Assessed Skill Levels, Australia, 1996* (Cat. no. 4228.0)
- *Aspects of Literacy: Profiles and Perceptions, Australia, 1996* (Cat. no. 4226.0)

EDUCATION AND TRAINING

Products and services *continued*

Other

- A special data service, which allows users to specify their own tables, is available on request.

Example of information available

MEDIAN SCORE(a), Australia — 1996			
<i>Industry</i>	<i>Prose scale</i>	<i>Document scale</i>	<i>Quantitative scale</i>
Electricity, gas and water supply	276	288	293
Total employed, all industries	291	291	293

(a) A higher score represents a greater level of literacy.

NAME OF COLLECTION

Education and Training, Survey of

Contact

Assistant Director
 Education and Training Section
 Australian Bureau of Statistics
 PO Box 10
 BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7960
 Facsimile: Canberra 02 6252 8013
 Email: client.services@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

To determine how much education and training is being undertaken, by whom and with how much employer or non-employer support. Data were also collected about access to education and training, the extent of multiple qualifications (with details of the three highest level qualifications), recent study, intended future study, and non-completed qualifications. Details were also sought on the (up to) four most recent training courses completed in the last 12 months.

Description

This survey provides details of the education and training experiences of persons aged 15–64 years who had worked as wage or salary earners in the previous 12 months, as well as persons in that age group who, at the time of the survey, were employed; unemployed; marginally attached to the labour force; aged 15–20 years and still at secondary school; or not in the labour force, but who were studying, or had studied in 1997.

The survey had an initial sample of around 18,600 dwellings. After allowing for sample loss (e.g. dwelling selected in the sample had no residents in scope for the survey, derelict buildings, buildings under construction, etc.), the effective sample for the survey was some 13,800 dwellings, yielding approximately 22,700 completed interviews for the survey.

Data are available for the electricity, gas and water supply industry of employment and classified according to both the *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC) and the *Australian Standard Industrial Classification, 1983* (ASIC). Data were collected in face-to-face interviews.

EDUCATION AND TRAINING

Data detail

- socio-demographic characteristics;
- labour force characteristics (including industry of current job or business);
- work history details (including industry of main period employer);
- educational qualifications held;
- recent study for educational qualifications;
- intended future study;
- non-completed qualifications;
- details of training courses completed in the last 12 months;
- training outcomes;
- access to education and training; and
- training provision.

Geographic coverage

Australia, States and Territories. Information is also available for labour force dissemination regions throughout Australia, but may be subject to high standard errors.

Frequency of data availability

Irregular.

Reference period

12 months prior to the survey (which was conducted in March, April and May 1997).

Historical data

Data are available from surveys conducted in 1989, 1993 and 1997. However, each survey had a different methodology and the data items available from the surveys vary.

Products and services

Publications

- *Education and Training Experience, Australia, 1997* (Cat. no. 6278.0)
- *Information Paper: Education and Training Experience, Australia, 1997 — Confidentialised Unit Record File* (Cat. no. 6274.0)

Products and services *continued*

Other

- A confidentialised unit record file is available from the surveys conducted in 1989, 1993 and 1997.
- A special data service, which allows users to specify their own tables, is available on request.

Example of information available

EMPLOYED PERSONS, TRAINING UNDERTAKEN(a) IN THE LAST 12 MONTHS(b), Australia

<i>Selected industry of employment</i>	Study or training courses undertaken(c)							Some training undertaken(c) %
	Studied in 1996 '000	<u>External training</u>				On-the-job '000	Total '000	
		In-house '000	Employer supported '000	Total(d) '000	Total '000			
Agriculture, forestry and fishing	18.1	22.9	15.6	88.1	120.0	222.4	372.0	68.0
Mining	8.2	52.2	19.8	24.5	64.0	65.5	90.0	88.8
Manufacturing	115.4	297.7	101.9	160.7	471.8	793.3	1 184.2	74.7
Electricity, gas and water supply	15.0	37.8	9.7	11.6	49.4	51.4	61.9	94.2
Construction	63.9	58.0	30.3	95.1	185.7	357.0	588.3	67.9

(a) Multi-response categories collected. Therefore, components may not add to totals. (b) Refers to the 12 months prior to the survey period (March to May 1997). (c) Including persons whose only form of training in the last 12 months was studying in 1997. (d) Including persons who attended external training courses while working that were either not employer supported, or not as a wage or salary earner and persons who attended external training courses while not working.

EDUCATION AND TRAINING

NAME OF COLLECTION

Employer Training Practices Survey

Contact

Assistant Director
Education and Training Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7960

Facsimile: Canberra 02 6252 8013

Email: client.services@abs.gov.au

Website: <http://www.abs.gov.au>

Purpose

To provide statistical information about the type of training employers provided to their employees.

Description

The sample survey covered employers in all States and Territories and all industries except for those primarily engaged in agriculture, forestry and fishing; private households employing staff; overseas embassies, consulates, etc. and the Australian permanent defence forces.

A sample of approximately 6,000 employers was selected from the Australian Bureau of Statistics Business Register. The sample was stratified by sector, industry and employer size and optimally allocated to ensure adequate representation in each of these areas. The survey was designed to produce accurate estimates of total training expenditure at the national and the industry level.

Data detail

- change in the overall level of expenditure on structured training provided;
- proportion of employers providing structured training;
- change in the overall level of unstructured training;
- proportion of employers providing unstructured training;
- proportion of employers providing training;
- selected factors limiting expenditure on structured training; and
- type of external providers used for structured training.

EDUCATION AND TRAINING

Geographic coverage

Australia. Some State and Territory data relevant to the electricity, gas and water supply industries may also be available.

Frequency of data availability

Irregular.

Reference period

12 month period ending Feb 1997.

Historical data

The Training Practices Survey (TPS) questionnaire was revised between the 1994 and 1997 surveys to obtain a broader view of training provided by employers and to target current statistical needs related to employer training. Some additional questions were included, particularly on unstructured training and some previous questions were removed or updated. These changes to the questionnaire limit comparability with the 1994 TPS in some cases.

Products and services

Publications

- *Employer Training Practices, Australia, February 1997* (Cat. no. 6356.0)

Other

- A special data service, which allows users to specify their own tables, is available on request.

Example of information available

USE OF EXTERNAL PROVIDERS FOR STRUCTURED TRAINING(a), SELECTED INDUSTRIES, Australia
— Year Ended February 1997

<i>Industry</i>	<i>TAFE</i>	<i>Univer- sity</i>	<i>Private training provider</i>	<i>Profes- sional associ- ation</i>	<i>Industry associ- ation</i>	<i>Equip- ment manu- facturer</i>	<i>Other</i>	<i>Used external training providers</i>	Total
%	%	%	%	%	%	%	%	%	%
Mining	*40	*29	59	*32	*42	*52	0.0	99	100
Electricity, gas and water supply	83	**	*69	**	**	*62	0.0	100	100
Education	37	38	53	47	23	15	*12	95	100
Health and community services	17	20	54	42	26	20	5	93	100

(a) Refers to the use of external providers for structured training in the 12 months ended February 1997. An employer may use more than one type of provider. * The estimate has a relative standard error of between 25% and 40% and should be used with caution. ** Subject to sampling variability too high for most practical purposes; relative standard error greater than 40%.

EDUCATION AND TRAINING

NAME OF COLLECTION

Training Expenditure Survey

Contact

Assistant Director
Education and Training Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7960

Facsimile: Canberra 02 6252 8013

Email: client.services@abs.gov.au

Website: <http://www.abs.gov.au>

Purpose

To provide statistical input to the development of training policy. Results were also used to provide estimates of the costs to employers of providing structured training to their employees.

Description

The sample survey covered employers in all States and Territories and all industries except for those primarily engaged in agriculture, forestry, fishing and hunting; private households employing staff; overseas embassies, consulates, etc. and the Australian permanent defence forces.

A sample of approximately 6,000 employers was selected from the Australian Bureau of Statistics Business Register. The sample was stratified by sector, industry and employer size and optimally allocated to ensure adequate representation in each of these areas. The survey was designed to produce accurate estimates of total training expenditure at the national and the industry level.

Data were collected by mail questionnaire for the period 1 July to 30 September 1996.

Data detail

The key measures produced from the survey for the electricity, gas and water supply industries include:

- training expenditure as a percentage of gross wages and salaries;
- average training expenditure per employee;
- average training hours per employee; and
- proportion of employers providing training.

Data detail *continued*

To produce these measures the following data items were collected (for the electricity, gas and water supply industries) and can be made available, subject to acceptable levels of sampling error:

- number of employees by sex and full-time/part-time/casual;
- number of trainers and support staff;
- total training expenditure;
- expenditure on structured in-house training;
- field of training — employee costs for time receiving training and training hours;
- employers' trainers and support staff gross wages and salaries;
- fees paid to consultants and institutions for conducting in-house courses;
- fees paid to consultants and institutions for conducting external courses;
- other training expenditure for in-house and external training including equipment, travel and accommodation, meals for trainers and trainees to attend courses, cost of training rooms, payments to industry training bodies and other expenditure;
- training subsidies received from government sources; and
- payment received for employees of other organisations attending training.

Geographic coverage

Australia. Some State and Territory electricity, gas and water supply industries data may also be available.

Frequency of data availability

Irregular.

Reference period

1 July to 30 September 1996.

Historical data

The 1996 survey collected expenditure data from only those employers who actually provided training in the period July to September 1996. As a result, the expenditure data from the survey is not directly comparable with earlier surveys. However, a selection of results from the 1993 survey have been recalculated on the same basis as the 1996 survey and are included in *Employer Training Expenditure, Australia, July to September 1996* (Cat. no. 6353.0).

EDUCATION AND TRAINING

Products and services

Publications

- *Employer Training Expenditure, Australia, July to September 1996* (Cat. no. 6353.0)

Other

- A special data service, which allows users to specify their own tables, is available on request.

Example of information available

MEASURES OF TRAINING EXPENDITURE, Australia — July to September 1996

<i>Industry</i>	<i>Training expenditure as a proportion of gross wages and salaries</i>	<i>Expenditure per employee</i>	<i>Training per employee (hours)</i>	<i>Total training expenditure</i>	<i>Employers providing training</i>
	<i>%</i>	<i>\$</i>	<i>no.</i>	<i>\$m</i>	<i>%</i>
Electricity, gas and water supply	4.49	481.12	10.38	25.5	*47.81
All industries	2.54	185.49	4.91	1 178.8	17.77

* The estimate has a relative standard error equal to or greater than 25%.

EMPLOYMENT

NAME OF COLLECTION

Average Weekly Earnings Survey

Contact

Manager
Labour Employer Surveys Section
Australian Bureau of Statistics
GPO Box K881
PERTH WA 6842

Telephone: Perth 08 9360 5304
Facsimile: Perth 08 9360 5954
Email: glynis.franklin-orrell@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The quarterly Survey of Average Weekly Earnings (AWE) measures the average weekly earnings of employed wage and salary earners (excluding those employed in agriculture).

Description

The survey collects employment and earnings data from a sample of businesses taken from the ABS Business Register. The data is used to estimate the average weekly earnings of employees in Australia. Estimates of average weekly ordinary time and total earnings are available for both full-time adult employees and all employees and are classified by sector, state or territory, industry and sex.

All wage and salary earners who received pay for the reference period are represented in the survey of average weekly earnings, except:

- members of the Australian permanent defence forces;
- employees of enterprises primarily engaged in agriculture, forestry and fishing, i.e. those ANZSIC industries coded to Agriculture classes;
- employees in private households employing staff;
- employees of overseas embassies, consulates, etc;
- employees based outside Australia; and
- employees on workers' compensation who are not paid through the payroll.

EMPLOYMENT

Description *continued*

Also excluded are the following persons who are not regarded as wage and salary earners for the purposes of the survey:

- directors who are not paid a salary;
- proprietors/partners of unincorporated businesses;
- self-employed persons such as subcontractors, owner/drivers, consultants; and
- persons paid solely by commission without a retainer.

A sample survey conducted by mail questionnaire to approximately 4,500 businesses on the ABS Business Register, except those ANZSIC industries coded to Agriculture classes.

Data detail

- average weekly full-time adult male ordinary time earnings;
- average weekly full-time adult male total earnings;
- average weekly all male total earnings;
- average weekly full-time adult female ordinary time earnings;
- average weekly full-time adult female total earnings;
- average weekly all female total earnings;
- average weekly full-time adult persons ordinary time earnings;
- average weekly full-time adult persons total earnings; and
- average weekly all persons total earnings.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Quarterly.

Reference period

Calendar Quarter — last pay period ending on or before the third Friday in the middle month of the quarter.

Historical data

From November 1983 to current. ASIC available November 1983 — August 1994. ANZSIC available August 1994 to current.

Products and services

Publications

- *Average Weekly Earnings Australia, Preliminary*
(Cat. no. 6301.0)
- *Average Weekly Earnings, States and Australia*
(Cat. no. 6302.0)

Internet

- Website: <http://www.abs.gov.au>

Other

- AusStats.
- Special data services are available upon request.

Example of information available

AVERAGE EARNINGS FOR ELECTRICITY, GAS AND WATER INDUSTRY, Australia — August 2000

	<i>Males</i>	<i>Females</i>	<i>Persons</i>
	\$	\$	\$
Full-time adult ordinary time earnings	997.40	840.30	973.00
Full-time adult total earnings	1 081.50	861.90	1 047.40
All employees total earnings	1 069.30	778.20	1 015.30

EMPLOYMENT

NAME OF COLLECTION

Electrical Incident Database, Victoria

Contact

Supply Safety Engineer
Office of the Chief Electrical Inspector
PO Box 262
Collins Street West
MELBOURNE VIC 8007

Telephone: Melbourne 03 9203 9732
Facsimile: Melbourne 03 9686 2197
Email: lvuong@ocei.vic.gov.au
Website: <http://www.ocei.vic.gov.au>

Purpose

Electrical incidents in Victoria are recorded for legal purposes under the *Electricity Safety Act 1998*. Data is also collected to analyse incidents and to identify trends and develop preventative measures.

Description

The electrical incident database is a record of all incidents which caused, or had the potential to cause, death or injury to a person or significant damage to property or posed a serious risk to public safety. All such incidents must be immediately reported by telephone and then followed up by a detailed report within a month of the incident.

Incidents must be reported by:

- electricity generation companies;
- electricity transmission companies;
- electricity distribution companies;
- electricity retailers;
- railway and tramway companies;
- fire control authority;
- electrical workers;
- registered electrical contractors; and
- operators of high voltage installation.

Data detail

- details of the person investigating the incident;
- time and date of the incident;
- location details of the incident;
- personal details of injured or deceased person;
- incident category (minor, serious, fatal, etc.);
- type of injuries and treatment details;
- details of electrical supply system, installation and equipment;
- cause of injury;
- action taken after the incident and by whom;
- contributing factors (apparel, visibility, weather, work practices, etc.);
- whether the incident occurred in the course of work;
- witness details;
- details of police/medical officer attending the incident site; and
- details of the person submitting the report.

Geographic coverage

Victoria.

Frequency of data availability

Ongoing.

Historical data

Annual since 1995.

Products and services

Internet

- Chart of electrical fatalities can be viewed at <http://www.erac.gov.au>
- Electrical safety information is available at <http://www.ocei.vic.gov.au>

Other

Information may be made available subject to an application under the *Freedom of Information Act*.

EMPLOYMENT

NAME OF COLLECTION

Employee Earnings and Hours, Survey of

Contact

EEH Output Manager
Labour Employer Surveys Section
Australian Bureau of Statistics
GPO Box K881
PERTH WA 6842

Telephone: Perth 08 9360 5305
Facsimile: Perth 08 9360 5954
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide data on the distribution and composition of earnings and hours paid for employees in Australia and, from May 2000, how pay is determined for employees in different industries, occupations, States and sectors.

Description

A sample of employers is asked to select a sample of employees. The employer is asked to provide employment and earnings data on each employee selected.

All wage and salary earners who received pay for the reference period are represented in the survey of employee earnings and hours, except:

- members of the Australian permanent defence forces;
- employees of enterprises primarily engaged in agriculture, forestry and fishing;
- employees in private households employing staff;
- employees of overseas embassies, consulates, etc;
- employees based outside Australia; and
- employees on workers' compensation who are not paid through the payroll.

Also excluded are the following persons who are not regarded as employees for the purposes of the survey:

- directors who are not paid a salary;
- proprietors/partners of unincorporated businesses;
- self-employed persons such as subcontractors, owner/drivers, consultants; and
- persons paid solely by commission without a retainer.

Description *continued*

A sample survey conducted by mail questionnaire to approximately 8,200 businesses.

Data detail

Distribution and composition of earnings and hours of employees are classified by:

- sex;
- age (under 18 years, 18 to under 21 years, 21 years and over);
- paid as adult/junior;
- industry;
- occupation;
- State;
- sector; and
- size of firm.

Earnings are dissected into:

- base pay;
- payment by measured result (e.g. piecework);
- overtime pay; and
- total pay.

Methods of setting pay (e.g. Individual Agreement, Collective Agreement or Award) is available by:

- State;
- occupation;
- industry; and
- sector.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Biennial.

Reference period

The last pay period ending on or before third Friday in May of the survey year.

EMPLOYMENT

Historical data

Data are available for 1983, then annually from 1985 to 1996. Biennial data is available from 1996 onwards.

Products and services

Publications

- *Employee Earnings and Hours Australia, Preliminary* (Cat. no. 6305.0)
- *Employee Earning and Hours, Australia* (Cat.no. 6306.0)

Other

- Special data services are available upon request.

Example of information available

AVERAGE WEEKLY EARNINGS AND HOURS(a): ELECTRICITY, GAS AND WATER SUPPLY INDUSTRY, Australia — May 1998

	<i>Ordinary time earnings</i>	<i>Overtime earnings</i>	<i>Total earnings</i>	<i>Ordinary time hours</i>	<i>Overtime hours</i>	<i>Total hours</i>
	\$	\$	\$	no.	no.	no.
Males	807.0	84.4	891.4	37.1	2.5	39.6
Females	720.3	*15.7	736.0	36.7	*0.6	37.3
Persons	791.7	72.3	863.9	37.0	2.2	39.2

(a) Full-time adult non-managerial employees. * The estimate has a relative standard error equal to or greater than 25%.

NAME OF COLLECTION

Employment and Earnings, Survey of

Contact

Manager
 Labour Employer Surveys Section
 Australian Bureau of Statistics
 GPO Box K881
 PERTH WA 6842

Telephone: Perth 08 9360 5236
 Facsimile: Perth 08 9360 5954
 Email: naomi.summers@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

The quarterly Survey of Employment and Earnings is used to estimate key measures of employment and gross domestic product.

Description

Results from the survey are used by Commonwealth and State government departments, employer associations and trade unions in developing and reviewing wages and labour market policies and in the wage negotiating process.

All wage and salary earners who received pay for the reference period ending within the quarter are represented in the survey of employment and earnings, except:

- members of the Australian permanent defence forces;
- employees of private sector enterprises primarily engaged in agriculture, forestry and fishing;
- employees in private households employing staff;
- employees of overseas embassies, consulates, etc;
- employees based outside Australia; and
- employees on workers' compensation who are not paid through the payroll.

Also excluded are the following persons who are not regarded as employees for the purposes of the survey:

- directors or office holders who are not paid a salary;
- proprietors/partners of unincorporated businesses;
- self-employed persons such as subcontractors, owner/drivers, consultants; and
- persons paid solely by commission without a retainer.

EMPLOYMENT

Description *continued*

A sample survey conducted by mail questionnaire to approximately 11,000 businesses on the ABS Business Register.

Data detail

- total number of employees
- gross quarterly earnings

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Quarterly.

Reference period

Gross earnings:

- All pay periods ending within the reference quarter.

Employment:

- The last pay period ending on or before the third Friday in each month of the reference quarter.

Historical data

From September 1983 to current.

Products and services

Publications

- *Wage and Salary Earners, Australia* (Cat. no. 6248.0)

Internet

- Website: <http://www.abs.gov.au>

Other

- AusStats.
- Special data services are available upon request.

EMPLOYMENT

Example of information available

SURVEY OF EMPLOYMENT AND EARNINGS: PRIVATE AND PUBLIC SECTOR, Australia				
	Electricity and gas supply		Water supply, sewerage and drainage services	
	<i>Employment</i>	<i>Earnings</i>	<i>Employment</i>	<i>Earnings</i>
	'000	\$m	'000	\$m
1999				
August	35.6	578.6	15.3	191.0
November	36.4	544.7	19.9	258.3
2000				
February	36.7	563.6	19.4	240.7
May	34.3	507.2	18.7	224.4
August	33.3	555.6	18.3	233.7

EMPLOYMENT

NAME OF COLLECTION

Industrial Disputes

Contact

Manager
Industrial Disputes National Processing Centre
Australian Bureau of Statistics
GPO Box 2796Y
MELBOURNE VIC 3001

Telephone: Melbourne 03 9615 7329
Facsimile: Melbourne 03 9615 7776
Email: margaret.livingston@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The Industrial Disputes Collection is a monthly census conducted to obtain information on various aspects of industrial disputes in Australia. The statistics on industrial disputes are based on all disputes identified which occurred during the period.

Description

This is an Australia-wide collection of businesses which experienced industrial disputes of ten working days or more at the locations where the stoppages occurred. Ten working days is equivalent to the amount of ordinary time worked by ten people in one day, regardless of the length of the stoppage, for example, 3,000 workers on strike for two hours would be counted as 750 working days lost (assuming they work an eight hour day).

An industrial dispute is defined as a strike or lockout over any issue. It includes unauthorised stop work meetings, unofficial strikes, sympathetic strikes, political or protest strikes, general strikes, work stoppages initiated by employers (e.g. lockouts) and rotating or revolving strikes. Excluded are work-to-rules, go-slows, bans and sit-ins.

The 1993 edition of the *Australian and New Zealand Standard Industrial Classification* (ANZSIC) is used to classify businesses included in this collection.

The collection is a census, conducted by mail questionnaire, of all disputes identified which occurred during the period. The target population, therefore, changes according to the number of disputes taking place.

Description *continued*

Disputes are identified through a range of sources, including newspaper reports, industrial relations commissions' listings, and contact with government, business, employers' organisations and trade unions. Although every attempt is made to identify all disputes that occurred in a period, some small strikes may have been omitted if they could not be identified through the sources available.

Data detail

Statistics are available for the electricity, gas and water supply group of industries but not for each industry individually.

The following data items are available for disputes which occurred during the reference period:

- number of disputes that commenced during the period;
- total number of disputes;
- number of employees newly involved;
- total number of employees involved; and
- number of working days lost.

The following data items are available for disputes which ended during the reference period:

- total number of disputes;
- total number of employees; and
- number of working days lost.

Cross classifications available include:

- industry; and
- State.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Monthly.

Reference period

Calendar month.

Historical data

Data for the electricity, gas and water supply group of industries are available from 1980 onwards.

EMPLOYMENT

Products and services

Publications

- *Industrial Disputes, Australia* (Cat. no. 6321.0) (monthly)
- *Industrial Disputes, Australia* (Cat. no. 6322.0) (annual)

Internet

- Website: <http://www.abs.gov.au>

Other

- AusStats.
- Special data services are available upon request.

Example of information available

INDUSTRIAL DISPUTES OCCURRING IN THE
YEAR: ELECTRICITY, GAS AND WATER
SUPPLY, Australia

	<i>Units</i>	<i>1998</i>	<i>1999</i>
Number of disputes	no.	13	19
Employees involved	'000	3.0	6.8
Working days lost	'000	4.0	7.7

NAME OF COLLECTION

Job Vacancy Survey

Contact

Manager
 Labour Employer Surveys Section
 Australian Bureau of Statistics
 GPO Box K881
 PERTH WA 6842

Telephone: Perth 08 9360 5304
 Facsimile: Perth 08 9360 5954
 Email: glynis.franklin-orrell@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

The quarterly Job Vacancy Survey estimates the number of job vacancies in Australia.

Description

The survey collects data on all vacancies for wage and salary earners for the reference period, except:

- members of the Australian permanent defence forces;
- employees of enterprises primarily engaged in agriculture, forestry and fishing, i.e. those ANZSIC industries coded to Agriculture classes;
- employees in private households employing staff;
- employees of overseas embassies, consulates, etc; and
- employees based outside Australia.

A sample survey conducted by telephone interview to approximately 4,500 businesses on the ABS Business Register, except those ANZSIC industries coded to Agriculture classes.

Data detail

- job vacancies; and
- job vacancy rate.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Quarterly.

EMPLOYMENT

Reference period

Number of employees:

- Last pay period ending on or before the third Friday in the middle month of the quarter.

Job Vacancies:

- The third Friday in the middle month of the quarter.

Historical data

From August 1979 to current. ASIC available August — May 1994. ANZSIC available Aug 1994 to current.

Products and services

Publications

- *Job Vacancies, Australia* (Cat. no. 6354.0)

Internet

- Website: <http://www.abs.gov.au>

Other

- AusStats.
- Special data services are available upon request.

Example of information available

JOB VACANCIES, Australia		
	<i>Electricity, gas and water supply industry</i>	<i>All industries</i>
	'000	'000
1999		
August	0.4	110.0
November	0.4	103.2
2000		
February	0.4	112.7
May	0.4	106.8
August	0.3	127.7
November	0.3	118.2

NAME OF COLLECTION

Labour Force Survey

Contact

Contact Officer
 Labour Force Estimates
 Australian Bureau of Statistics
 PO Box 10
 BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6525
 Facsimile: Canberra 02 6252 7784
 Email: client.services@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

The Labour Force Survey (LFS) is a monthly survey which collects information about the labour force status and other characteristics of the usual resident civilian population aged 15 and over. Estimates of employment, unemployment, unemployment rate and labour force participation rate are published.

LFS data are a key element of labour market and other economic information provided by the Australian Bureau of Statistics. The principal objective is to facilitate the analysis and monitoring of social and economic aspects of the Australian labour market and working-age population. This objective is achieved by providing timely statistics of the size and characteristics of the civilian labour force gained from the LFS and associated supplementary surveys.

Description

The LFS provides a measure of the currently economically active population (i.e. the labour force). The labour force is so defined as to be conceptually equivalent to the pool of labour available for the production of economic goods and services as defined for System of National Accounts measures of economic output.

The labour force framework classifies the population into three mutually exclusive and exhaustive categories: employed, unemployed and not in the labour force. The employed and unemployed categories together make up the labour force, or the currently active population. The third category (not in the labour force) represents the population not currently economically active.

EMPLOYMENT

Description *continued*

The survey is based on a multistage area sample of private dwellings (currently about 30,000 houses, flats, etc.) and a list sample of non-private dwellings (hotels, motels, etc.) and covers about 0.5% of the population of Australia. The information is obtained from the occupants of selected dwellings by specially trained interviewers.

Data detail

- civilian population aged 15 and over by sex;
- labour force status;
- age (single years for persons aged 15 to 24 years);
- marital status;
- hours worked;
- average hours worked;
- full-time/part-time workers;
- participation rates;
- attendance at school or tertiary education institution;
- country of birth;
- year of arrival in Australia; and
- duration of unemployment.

Estimates for employed persons classified by *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC) Division (ANZSIC Division D is Electricity, Gas and Water Supply), occupation and status in employment are available for each February, May, August and November. Some estimates are available in original, seasonally adjusted and trend terms.

Geographic coverage

While the LFS is designed primarily to produce reliable estimates at the national, State and Territory levels, it also delivers estimates for a number of regions within States — there are 77 such regions across Australia. However, some estimates for regions within States may not be available due to confidentiality restrictions and the reliability of the estimates.

Frequency of data availability

Monthly for most items, quarterly for Industry.

Reference period

The reference period is the week starting on the Monday and ending on the Sunday preceding the interview week. Interviews generally commence on the first Monday between the sixth and the twelfth of each month. Interviews are conducted over two consecutive one-week periods. Consequently there are two reference weeks for each survey.

Historical data

Data are available on a monthly basis from February 1978.

Products and services

Publications

- *Labour Force, Australia* (Cat. no. 6203.0)
- *Labour Force, Australia, Preliminary* (Cat. no. 6202.0)
- *Labour Force, New South Wales and Australian Capital Territory* (Cat. no. 6201.1)
- *Labour Force, Selected Summary Tables, Australia* (Cat. no. 6291.0.40.001)
- *Labour Force, Victoria* (Cat. no. 6202.2)
- *Labour Force, Queensland* (Cat. no. 6201.3)

Other

- Special data services are available on request.

EMPLOYMENT

Example of information available

EMPLOYED PERSONS, TREND SERIES, Australia					
	November 1999	February 2000	May 2000	August 2000	November 2000
<i>Industry Division</i>	'000	'000	'000	'000	'000
Agriculture, forestry and fishing	434.2	440.5	440.8	440.1	437.8
Mining	77.0	81.8	79.3	77.9	77.9
Manufacturing	1 076.7	1 144.9	1 152.4	1 145.8	1 131.7
Electricity, gas and water supply	65.7	62.3	63.9	65.6	67.1
Construction	692.1	704.3	707.8	704.2	694.5
Wholesale trade	537.9	463.3	452.0	447.6	447.7
Retail trade	1 333.9	1 315.0	1 324.2	1 362.6	1 322.7
Accommodation, cafes and restaurants	428.7	439.5	450.5	463.4	478.1
Transport and storage	403.0	402.2	410.0	419.8	425.7
Communication services	162.6	179.5	180.3	178.5	176.9
Finance and insurance	323.6	334.7	336.4	334.1	330.6
Property and business services	974.3	994.9	1 025.3	1 056.1	1 082.9
Government administration and defence	342.1	346.9	348.6	354.2	360.7
Education	610.5	606.8	608.9	615.5	622.4
Health and community services	817.9	838.0	850.3	854.3	854.1
Cultural and recreational services	213.6	222.1	2 223.0	224.0	224.9
Personal and other services	353.8	355.9	348.4	338.7	329.0
Total	8 847.5	8 932.6	9 002.2	9 046.0	9 064.9

NAME OF COLLECTION

Labour Force Survey — Supplementary Surveys

Contact

Assistant Director
Labour Statistics Branch
Population Statistics Group
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6504
Facsimile: Canberra 02 6252 7784
Email: kate.wright@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To identify various aspects of and changes in the labour force. The supplementary surveys provide additional data not collected in the labour force surveys and the specific purpose of each varies according to the topic.

Description

A sample survey collected by either telephone or face-to-face interview. In general, the scope is the civilian population aged 15 years and over, excluding persons living in institutions and persons living in remote and sparsely settled areas. Information about each household member in scope of the supplementary survey is generally collected from one adult using the any responsible adult methodology. The exception is for certain labour topics dealing with the job search experiences of unemployed persons where personal interviews are conducted with each respondent in scope.

The sample size varies between supplementary surveys, depending upon the population of interest. The sample sizes range from 2,000 to 46,000 persons. Response rates for the supplementary survey average around 93%.

Data detail

Supplementary surveys are carried out on various aspects of the labour force. Data are available for the electricity, gas and water supply industries. Data items available vary between topics, but some of the data items are:

- socio-demographic details;
- labour force status;
- full time or part time status;
- whether changed industry;

EMPLOYMENT

Data detail *continued*

- duration in current job;
- weekly earnings;
- trade union membership;
- permanent or casual status;
- whether works shift work;
- absences from work; and
- size of location.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Annual, biennial and irregular, depending on the topic of interest.

Historical data

The historical data available varies by topic.

Products and services

Publications

- *Labour Force Experience, Australia* (Cat. no. 6206.0)
- *Labour Mobility, Australia* (Cat. no. 6209.0)
- *Multiple Jobholding, Australia* (Cat. no. 6216.0)
- *Persons Not in the Labour Force, Australia* (Cat. no. 6220.0)
- *Job Search Experience of Unemployed Persons, Australia* (Cat. no. 6222.0)
- *Retirement and Retirement Intentions, Australia* (Cat. no. 6238.0)
- *Labour Force Status and Other Characteristics of Migrants, Australia* (Cat. no. 6250.0)
- *Career Experience, Australia* (Cat. no. 6254.0)
- *Retrenchment and Redundancy, Australia* (Cat. no. 6260.0)
- *Locations of Work, Australia* (Cat. no. 6310.0)
- *Employee Earnings, Membership and Trade Union Membership, Australia* (Cat. no. 6310.0)
- *Working Arrangements, Australia* (Cat. no. 6342.0)
- *Forms of Employment, Australia* (Cat. no. 6359.0)

Products and services *continued*

Other

- *Forms of Employment, Australia: Confidentialised Unit Record File on CD ROM* (Cat. no. 6359.0.30.001)
- *Labour Mobility, Australia: Unit Record File on Floppy Disk* (Cat. no. 6209.0.15.001)
- Special data services are available upon request.

Example of information available

PROPORTION OF EMPLOYEES WHO WERE TRADE UNION MEMBERS, Australia — August 1999

<i>Industry</i>	<i>Permanent</i>	<i>Casual</i>	<i>Total</i>
	%	%	%
Agriculture, forestry and fishing	*5.8	*3.8	4.6
Mining	36.4	*24.4	35.3
Manufacturing	36.0	13.6	32.8
Electricity, gas and water supply	54.3	*7.3	50.1
Construction	30.6	15.4	25.7
Wholesale trade	10.6	*4.8	9.6
Retail trade	21.5	12.4	17.4
Accommodation, cafes and restaurants	13.3	8.0	10.1
Transport and storage	44.9	17.1	38.7
Communication services	52.5	*15.3	48.3
Finance and insurance	29.8	*1.5	27.5
Property and business services	10.9	7.2	9.7
Government administration and defence	43.4	*10.5	41.2
Education	51.8	16.6	45.8
Health and community services	36.3	10.0	30.7
Cultural and recreational services	19.9	9.2	15.7
Personal and other services	37.4	7.7	30.5
All employees	31.1	10.7	25.7

* The estimate has a relative standard error equal to or greater than 25%.

EMPLOYMENT

NAME OF COLLECTION

Major Labour Costs Survey

Contact

Senior Manager
Labour Employer Survey Section
Australian Bureau of Statistics
GPO Box K881
PERTH WA 6842

Telephone: Perth 08 9360 5142
Facsimile: Perth 08 9360 5954
Email: k.j.clarke@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide data on the main costs incurred by employers as a consequence of employing labour in Australia.

Description

The survey collects employment and labour cost data from a sample of businesses taken from the ABS Business Register, except those ANZSIC industries coded to Agriculture classes. Estimates of labour costs are produced for the private and public sectors including, employee earnings, employer payments for superannuation, workers' compensation, payroll tax and fringe benefits tax. Estimates are classified by State, industry, employer size and sector.

Data detail

- employee earnings;
- severance, termination and redundancy payments;
- employer superannuation contributions;
- payroll tax;
- workers compensation; and
- fringe benefits tax.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

3-yearly.

Reference period

The reference period for each labour costs survey is the year ended 30 June.

Historical data

The Survey of Major Labour Costs was conducted annually from 1985–86 to 1991–92 and was then conducted in 1993–94 and 1996–97.

Products and services

Publications

- *Labour Costs, Australia* (Cat. no. 6348.0)

Internet

- Website: <http://www.abs.gov.au>

Other

- Special data services are available upon request.

Example of information available

LABOUR COSTS, Australia — 1996–97

	<i>Electricity and gas supply</i>	<i>Water supply, sewerage and drainage services</i>
	\$m	\$m
<i>Total labour costs</i>	2 753.7	1 010.2
Earnings	2 336.8	854.9
Total workers' compensation	63.4	30.2
Fringe benefits tax	28.9	8.0
Total super contributions	188.6	76.8
Payroll tax	136.1	40.2

EMPLOYMENT

NAME OF COLLECTION

Wage Cost Index

Contact

Assistant Director
Labour Cost Index
Labour Statistics Centre
Australian Bureau of Statistics
GPO Box K881
PERTH WA 6842

Telephone: Perth 08 9360 5151
Facsimile: Perth 08 9360 5954
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

Since the early 1990s there has been a move away from an award-based centralised wage fixing environment in Australia in favour of agreements at the enterprise, workplace and individual employee levels. The Wage Cost Index (WCI) was developed as a more reliable indicator of changes in the underlying price of labour in this environment than other earnings series such as the award rates of pay indexes and the survey of average weekly earnings. The first issue of *Wage Cost Index, Australia* (Cat. no. 6345.0) was published for the December quarter 1997.

The WCI measures changes in wage and salary costs for employee jobs unaffected by changes in the quality and quantity of work performed. 'Quality' in the WCI relates only to the inherent productivity of employees and this is dependent on a range of personal attributes including age, experience, qualifications, skill level, motivation and fitness.

Description

The WCI is an integrated set of quarterly indexes which measure changes in wage and salary costs for employee jobs. Index numbers for the WCI are compiled from hourly wage and salary costs for a representative sample of employee jobs within a sample of employing organisations. Approximately 19,000 jobs are selected in the sample from 3,500 private and public sector employers.

Information for the WCI is collected each quarter by mail questionnaires from employers included in the sample. In the first quarter that they participate in the survey, employers provide information for the sample of jobs they have selected, including job descriptions and wage and salary payments. In subsequent quarters they are asked to provide updated wage and salary information about the same jobs, using tailored forms containing the preprinted job descriptions previously provided.

Description *continued*

There are four sets of quarterly base-period weighted indexes compiled for:

- ordinary time hourly rates of pay — excluding bonuses;
- ordinary time hourly rates of pay — including bonuses;
- total hourly rates of pay — excluding bonuses; and
- total hourly rates of pay — including bonuses.

The four component sets of indexes together comprise the WCI.

The indexes that exclude bonuses are 'pure' price indexes (i.e. they aim to measure changes over time in the wage and salary cost of a representative 'basket' of jobs, unaffected by changes in the quality (defined as inherent productivity of employees) or the quantity of work performed). This is referred to as 'pricing to constant quality'. By following a 'basket' of jobs over time and by maintaining a fixed weighting pattern, these indexes will be unaffected by, for example, shifts in the distribution of employees across occupations and industries and between full-time and part-time jobs. Thus, unlike other Australian Bureau of Statistics earnings measures such as the quarterly average weekly earnings series, the WCI will not measure changes in average (per employee) wage payments.

The indexes that include bonuses reflect the changes in wage and salary rates shown in the pure price indexes (described above), as well as changes in bonus payments; hence they tend to be more volatile than the pure price indexes.

The WCI is the first stage in the development of the labour cost index (LCI). The LCI will measure the combined effect of changes in wages costs and selected non-wage costs.

The target population of employers for the WCI is all employing organisations in Australia (private and public sector) except:

- enterprises primarily engaged in agriculture, forestry or fishing;
- private households employing staff; and
- overseas embassies, consulates, etc.

EMPLOYMENT

Description *continued*

All employees 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 6 months of the year); and
- 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 and jobs where the remuneration is set in a foreign country.

As such, full-time and part-time, permanent and casual, and 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. Workers paid commission without a retainer are also excluded.

Data detail

For each of the four component indexes of the WCI, separate indexes will be released for various combinations of State and Territory, sector (private/public), broad industry including electricity, gas and water supply and broad occupation groups.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Quarterly.

Reference period

The last pay period ending on or before the third Friday of the middle month of the quarter.

Historical data

Data are available from the December quarter 1997.

Products and services

Publications

- *Information Paper: Wage Cost Index, Australia* (Cat. no. 6346.0)
- *Wage Cost Index, Australia* (Cat. no. 6345.0)

Other

- Special data services available on request.

Example of information available

TOTAL HOURLY RATES OF PAY EXCLUDING BONUSES FOR THE ELECTRICITY, GAS AND WATER
SUPPLY INDUSTRY, Australia

<i>Quarter</i>	<i>Index(a)</i> <i>no.</i>	<i>Percentage change from previous quarter</i> <i>%</i>
1999		
September quarter	107.2	1.0
December quarter	108.1	0.8
2000		
March quarter	109.4	1.2
June quarter	109.9	0.5
September quarter	111.3	1.3

(a) Base of each index: September Quarter 1997 = 100.0.

EMPLOYMENT

NAME OF COLLECTION

Work Related Traumatic Fatalities in Australia

Contact

Head
Epidemiology Unit
National Occupational Health and Safety Commission
GPO Box 58
SYDNEY NSW 2001

Telephone: Sydney 02 9577 9295
Facsimile: Sydney 02 9577 9300
Email: driscolt@nohsc.gov.au
Website: <http://www.nohsc.gov.au>

Purpose

To determine the number, rate and circumstances of work-related traumatic deaths in Australia in order to contribute to prevention activities.

Description

The data were collected as administrative by-product from coronial records over a 4-year period, 1989 to 1992. The collection contains detailed information relating to approximately 3,000 deaths in coded structured text and free text format.

Data detail

- location;
- occupation;
- industry;
- age;
- sex;
- pathophysiological cause of death;
- alcohol and drug levels; and
- other coronial administrative data.

Geographic coverage

Data are available down to the postcode level.

Frequency of data availability

This was a one-off collection.

Historical data

Data relate to the 4 years 1989 to 1992 only.

Products and services

Publications

- *Work-related Traumatic Fatalities in Australia, 1989 to 1992*
- *Work-related Traumatic Fatalities in Australia, 1989 to 1992: Summary Report*
- A number of other publications are available by State and also occupation.

Internet

- Web site: <http://www.worksafe.gov.au>

EMPLOYMENT

NAME OF COLLECTION

Workers' Compensation Statistical Review, South Australia

Contact

Donna Dias
Research & Analysis Unit
WorkCover Corporation
100 Waymouth Street
ADELAIDE SA 5000

Telephone: Adelaide 08 8233 2960

Email: ddias@workcover.com

Website: <http://www.workcover.com>

Purpose

To provide statistical information on the number and cost of injury claims in South Australia. The collection is an ongoing collection used to monitor the state of the workers' compensation scheme. Data are used to assist in accident prevention and injury monitoring strategy development.

Description

Statistical information on injury and fatality claims from administrative by-product. Aims to monitor occupational health and safety, workers' compensation, return to work and development of workplace standards.

Data detail

- general claim statistics;
- number and cost of claims;
- industry division claims;
- occupation statistics;
- journey claims;
- secondary disability statistics;
- back injuries;
- body stressing;
- fatality statistics;
- mental disorders;
- vocational rehabilitation statistics; and
- levies, employer and remuneration statistics.

Geographic coverage

South Australia.

Frequency of data availability

Annual.

Historical data

1991–92 to 1998–99.

Products and services

Publications

- *WorkCover Corporation Statistical Review*
- *WorkCover Corporation Annual Report*

Internet

- Website: <http://www.workcover.com>

EMPLOYMENT

NAME OF COLLECTION

Workers' Compensation Statistical Collection, Australian Capital Territory

Contact

Project Coordinator
Legislation and Research Unit
ACT WorkCover
PO Box 224
CIVIC SQUARE ACT 2608

Telephone: Canberra 02 6205 0210
Facsimile: Canberra 02 6205 0797
Email: doug.davidson@act.gov.au
Website: <http://www.workcover.act.gov.au>

Purpose

The intention of this collection is to provide statistical information on the number and cost of injury claims in the Australian Capital Territory. Data from this collection is currently used to monitor the state of the workers' compensation scheme. With the development of the new Workers' Compensation statistics database, it will be used in future to assist in accident prevention, injury monitoring and strategy development. More specifically, the data will be used to monitor occupational health and safety, workers' compensation, return to work and development of workplace standards.

Description

The statistics database is expected to be fully operational in late 2001. It will supply information on injury and fatality claims collected from approved workers' compensation insurers in the ACT. Statistical publications will be prepared using information from this database. These publications will be available in late 2001.

Data detail

- general claim;
- number and cost of claims;
- claims by ANZSIC division;
- occupation;
- journey claims;
- secondary disability;
- back injuries;
- body stressing;
- fatality; and
- mental disorders.

Data detail *continued*

Data will be available for the electricity, gas and water supply industries.

Geographic coverage

Australian Capital Territory.

Frequency of data availability

Annually on a financial year basis.

Historical data

1998.

Products and services

Internet

- Website: <http://www.workcover.act.gov.au>

Other

- Special data services may be available on request.

EMPLOYMENT

NAME OF COLLECTION

Workers' Compensation Statistical Collection, Tasmania

Contact

Senior Statistician
Rehabilitation and Compensation Branch
Employer and Employee Services Division
Workplace Standards Tasmania
Department of Infrastructure, Energy and Resources
PO Box 56
ROSNY PARK TAS 7018

Telephone: Hobart 03 6233 2024
Facsimile: Hobart 03 6233 8338
Email: mmchugh@wsa.tas.gov.au or info@wsa.tas.gov.au
Website: <http://www.wsa.tas.gov.au>

Purpose

The Tasmanian Workers' Compensation Statistical Collection is an ongoing collection incorporating data processed from workers' compensation claims received by the Workplace Safety Board of Tasmania from licensed insurers, self-insurers, and exempt employers. Records are classified to the *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC) Class level.

Its main objectives are to:

- assist the Workplace Safety Board of Tasmania in the effective administration of the Tasmanian workers' compensation scheme by keeping up-to-date information on workers' compensation claims and workers' compensation insurance policies;
- provide a timely and reliable tool, from a quantitative perspective, for monitoring the Tasmanian workers' compensation scheme performance in the areas of occupational health and safety, workers' compensation, return to work and development of workplace standards; and
- provide advice, based on sound measurable outcomes, on issues of strategic significance to users of workers' compensation data.

Description

Data are derived from statutory claim forms received by the Workplace Safety Board of Tasmania from licensed insurers, self-insurers and exempt employers which operate under the Tasmanian workers' compensation arrangements. Statutory claim forms are required to be forwarded to the Workplace Safety Board of Tasmania within five days after receipt by the insurer. The claims are determined under the *Workers' Rehabilitation and Compensation Act 1988 (Tas.)*.

Description *continued*

Data are processed by Workplace Standards Tasmania for the Workplace Safety Board of Tasmania as soon as statutory claim forms are received from insurers. There are approximately 155,000 workers covered by Tasmanian workers' compensation arrangements. There was an average of approximately 20,000 claims each year from 1989–90 to 1994–95. From 1996–97 to 1997–98, there was an average of approximately 14,000 claims each year.

Data detail

Some of the data items available for the electricity, gas and water supply industries are:

- claims lodged;
- fatalities;
- all claims frequency rate (the number of claims lodged per million hours worked);
- lost time injury frequency rate (the number of lost time injuries per million hours worked);
- nature of injury;
- part of body injured;
- location; and
- mechanism of injury.

Geographic coverage

Tasmania.

Frequency of data availability

Industry data are published on an annual basis, while energy sector data are published quarterly and annually.

Reference period

The collection is ongoing. Statistical reports are produced mainly on the basis of lodgement period, either quarterly (e.g. quarter ended 30 September 1998) or annually (e.g. year ended 30 June 1998).

Historical data

Data are available from 15 November 1988, when the original *Workers' Rehabilitation and Compensation Act 1988 (Tas.)* was introduced.

EMPLOYMENT

Products and services

Publications

- *Workers' Compensation Quarterly Statistical Report*
- *Workplace Issues*
- *Workplace Safety Board of Tasmania Annual Report*
- *Workplace Standards Tasmania Annual Report*

Internet

- Website: <http://www.wsa.tas.gov.au>

Other

- Special data services may be available on request on a fee-for-service basis, but are subject to confidentiality restrictions.

NAME OF COLLECTION

Workers' Compensation Statistical Collection, Victoria

Contact

Senior Project Officer
 Planning and Assessment
 Victorian WorkCover Authority
 25/222 Exhibition St
 MELBOURNE VIC 3000

Telephone: Melbourne 03 9641 1315
 Facsimile: Melbourne 03 9641 1220
 Email: mark_jones@workcover.vic.gov.au
 Website: <http://nohsc.info.au.com/>

Purpose

To describe the nature and extent of occupational injury and disease in Victoria.

Description

The data set is derived from claims processing. Coverage includes all workers covered by Victoria's Compensation Jurisdiction (excludes Comcare, Seacare, Defcare).

Data detail

- industry classified by *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC) to four-digit level;
- age;
- sex;
- duty status;
- duration of absence;
- mechanism of injury;
- severity of injury; and
- bodily location.

Geographic coverage

Victoria.

Frequency of data availability

Annual.

Historical data

From 1994–95 onwards.

EMPLOYMENT

Products and services

Publications

- *Comparative Performance Monitoring Reports*

Internet

- Website: <http://nohsc.info.au.com>

Example of information available

WORKERS' COMPENSATION CASES BY OCCUPATION AND INDUSTRY, Victoria — 1997-98

<i>Occupation</i>	<i>Electricity and gas supply</i>	<i>Water supply , sewerage and drainage services</i>
	<i>no.</i>	<i>no.</i>
Managers and administrators	8	n.p.
Professionals	24	24
Para-professionals	19	17
Tradespersons	246	117
Clerks	57	26
Salespersons and personal service workers	n.p.	—
Plant and machine operators and drivers	76	98
Labourers and related workers	152	346
Not stated	85	66
Total	668	698

NAME OF COLLECTION

Workers' Compensation Statistical Collection, Western Australia

Contact

Data Administrator
Information Services
WorkCover WA
GPO Box 51400
PERTH WA 6001

Telephone: Perth 08 9388 5535
Facsimile: Perth 08 9388 5550
Email: bobh@workcover.wa.gov.au
Website: <http://www.workcover.wa.gov.au>

Purpose

The collection is an ongoing collection used to monitor the state of the workers compensation scheme. Data are used to assist in accident prevention, injury monitoring and strategy development.

Description

Data are derived from claim forms received electronically on a monthly basis from workers and insurers. Records are classified by *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC), *Australian Standard Classification of Occupations* (ASCO) and Worksafe Australia's 'Type of occurrence' classification system.

The objective is to:

- keep up-to-date information on workers' compensation claims and workers' compensation insurance policies;
- monitor the Western Australian Workers' Compensation scheme's performance in the areas of occupational health and safety, workers' compensation, return to work and development of workplace standards; and
- provide advice, based on sound measurable outcomes, on issues of strategic significance to users of workers' compensation data.

EMPLOYMENT

Data detail

- workers sex and date of birth;
- industry classified by *Australia and New Zealand Standard Industrial Classification, 1993* (ANZSIC);
- occupation classified by *Australian Standard Classification of Occupations* (ASCO);
- nature of injury;
- agency of injury;
- mechanism of injury;
- estimated and actual days lost;
- claim status; and
- employer details.

Geographic coverage

Western Australia.

Frequency of data availability

Monthly.

Historical data

From 1994–95.

Products and services

Publications

- *Work Related Stress Report*
- *Workers' Compensation Statistical Report*

Internet

- <http://www.workcover.wa.gov.au>

EMPLOYMENT

Example of information available

NUMBER OF WORKERS' COMPENSATION CLAIMS BY INDUSTRY, Western Australia				
<i>Industry</i>	<i>1994-95</i>	<i>1995-96</i>	<i>1996-97</i>	<i>1997-98</i>
Agriculture, forestry and fishing	1 502	1 555	1 390	1 547
Mining	1 790	1 751	1 596	1 315
Manufacturing	7 610	7 392	7 426	7 012
Electricity, gas and water supply	308	266	185	155
Construction	2 936	2 885	2 852	3 062
Wholesale trade	1 322	1 293	1 431	1 409
Retail Trade	3 092	3 092	3 160	2 975
Accommodation, cafes and restaurants	1 093	1 138	1 072	1 087
Transport and storage	1 784	1 684	1 613	1 561
Communication services	15	42	33	35
Finance and insurance	152	152	161	131
Property and business services	1 175	1 257	1 419	1 664
Government administration	1 271	1 134	936	823
Education	680	711	807	912
Health and community services	2 511	2 486	2 584	2 544
Cultural and recreation services	383	385	426	428
Personal and other services	1 168	955	848	810
Total	28 792	28 115	27 939	27 470

ENVIRONMENT

NAME OF COLLECTION

Environment and Natural Resources Survey

Contact

Director
Environment and Energy Statistics Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7369
Facsimile: Canberra 02 6252 5335
Email: bob.harrison@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide estimates of expenditures and revenues related to environmental protection and natural resource management by local government authorities in Australia. The collection was developed in response to requests by local governments, local government associations and others for national information on local government financial transactions related to managing the environment and natural resources.

Description

There are two main types of expenditure considered to have an impact on the environment. These expenditures and related revenues are divided into two accounts: 'environmental protection' and 'natural resource management'. The collection of information is guided by international frameworks for environmental accounting.

The data is based on a survey of 330 local governments across Australia that measures expenditure on services and activities to protect the environment and to manage the natural resources within each municipality. The survey also measures councils' revenue related to provision of services in these areas.

Data detail

The data is broken down by the following environmental categories:

- waste water management;
- solid waste management;
- protection of biodiversity and landscape;
- protection of soil and groundwater;
- protection of ambient air and climate;

Data detail *continued*

- protection of cultural heritage;
- other environment protection;
- inland water use and management;
- land management; and
- other natural resource management.

The information collected about each of the environmental categories is:

Revenue from environment protection and natural resource management activities:

- revenue from businesses and households;
- specific purpose grants from State Government;
- capital grants from State Government;
- specific purpose grants from Commonwealth Government;
- capital grants from Commonwealth Government; and
- other income.

Current expenses for environment protection and natural resource management activities:

- wages and salaries;
- payments to private contractors/business;
- payments to public authorities;
- depreciation of equipment;
- purchases of materials, fuels, repairs and maintenance; and
- other expenses.

Capital expenditure for environment protection and natural resource management activities:

- acquisition of plant, machinery, equipment and land;
- capital works; and
- disposal of assets.

Geographic coverage

Australia and State/Territory.

Frequency of data availability

Annual.

ENVIRONMENT

Reference period

Financial year ended 30 June.

Historical data

The data are available for the financial years 1997–98 and 1998–99.

Products and services

Publications

- *Environment Expenditure, Local Government, Australia, 1998–99* (Cat. no. 4611.0)

Other

- Special data services are available on request.

Example of information available

ENVIRONMENTAL PROTECTION BY CATEGORY, Australia		
	<i>Waste water</i>	<i>Solid waste</i>
	\$m	\$m
1997–98		
Total revenue	879.1	847.3
Total current expenditure	598.5	875.8
Total capital expenditure	332.7	80.5
1998–99		
Total revenue	825.6	840.4
Total current expenditure	628.0	817.9
Total capital expenditure	337.2	63.3

NAME OF COLLECTION

Environmental Issues Survey (Energy)

Contact

Assistant Director
 Environment and Energy Statistics Section
 Australian Bureau of Statistics
 PO Box 10
 BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5643
 Facsimile: Canberra 02 6252 5335
 Email: client.services@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

To collect attitudinal and behavioural data from households and individuals relating to the environment.

Description

Uses the Monthly Population Survey — a sample of private dwellings (approximately 31,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.). The proportion of Australian dwellings selected this way is approximately 0.5%. For this survey, half the private dwelling sample (i.e. 15,500 dwellings) is used.

Information is obtained by personal interviews from a responsible adult member of selected households, whose next birthday is closest to the date of the interview. Their views are taken to be representative of the entire household. The information obtained relates to the week before the interview (i.e. the reference week).

The survey covers rural and urban areas across all States and Territories of Australia, however, the Northern Territory data refers to mainly urban areas. Also excluded are some 175,000 persons living in remote and sparsely settled parts of Australia. The exclusion of these persons has only a minor impact on any aggregate estimates that are produced for individual States and Territories, with the exception of the Northern Territory where such persons account for over 20% of the population.

Data detail

- incidence/location of insulation;
- type of insulation;
- reasons for/for not installing insulation;
- window treatments;
- rooms with solar access/reasons for no sunlight;

ENVIRONMENT

Data detail *continued*

- presence of heating/type of heater/age/energy source;
- hot water system energy source;
- presence of appliances/number/type/age;
- water temperature of clothes washing;
- appliances replaced/purchased in last 12 months/reasons for choice;
- use/awareness/willingness to pay for Greenpower energy sources;
- State and Territory;
- metropolitan/non-metropolitan geographic area; and
- household type.

Geographic coverage

State and Territory, metropolitan/non-metropolitan geographic area.

Frequency of data availability

Data for this topic are available every 3 years as part of a triennial collection program.

Historical data

June 1994.

Products and services

Publications

- *Environmental Issues — People's Views and Practices* (Cat. no. 4602.0)

Other

- Special data service available on request. Tables can be provided electronically in spreadsheets, by email or disk.

Example of information available

ROOM HEATING, Australia, States and Territories — March 1999

	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT(a)</i>	<i>ACT</i>	<i>Aust.</i>
	'000	'000	'000	'000	'000	'000	'000	'000	'000
Electricity	1 005.5	207.6	324.0	232.4	118.8	61.7	*2.0	45.4	1 997.3
Gas	522.0	1 245.0	35.0	195.7	279.2	11.1	*1.8	59.8	2 349.6
Wood	351.8	240.9	128.7	107.4	176.4	104.7	*1.8	*6.7	1 118.3
Coal/coke	*1.5	*0.6	—	*0.7	—	—	—	—	*2.7
Oil	65.3	17.8	23.3	23.8	16.1	*6.1	—	*3.9	156.3
Solar	—	*0.6	—	—	—	—	—	*0.2	*0.8
Other/varies	14.8	*5.0	16.9	*2.2	*4.0	*0.8	—	*0.7	44.5
Don't know	*0.8	*3.0	*3.2	—	*0.4	—	—	*0.2	*7.5
No heating in dwelling	423.8	20.2	800.8	43.3	120.2	*2.1	46.7	*1.1	1 458.1
Total dwellings	2 385.4	1 740.6	1 331.9	605.5	715.2	186.4	52.2	118.0	7 135.2

(a) Northern Territory data refer to mainly urban areas only. * The estimate has a relative standard error equal to or greater than 25%.

ENVIRONMENT

NAME OF COLLECTION

Environmental Issues Survey (Water)

Contact

Assistant Director
Environment and Energy Statistics Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5643

Facsimile: Canberra 02 6252 5335

Email: client.services@abs.gov.au

Website: <http://www.abs.gov.au>

Purpose

To collect attitudinal and behavioural data from households and individuals relating to the environment.

Description

Uses the Monthly Population Survey — a sample of private dwellings (approximately 31,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.). The proportion of Australian dwellings selected this way is approximately 0.5%. For this survey, half the private dwelling sample (i.e. 15,500 dwellings) is used.

Information is obtained by personal interviews from a responsible adult member of selected households, whose next birthday is closest to the date of the interview. Their views are taken to be representative of the entire household. The information obtained relates to the week before the interview (i.e. the reference week).

The survey covers rural and urban areas across all States and Territories of Australia, however the Northern Territory data refer to mainly urban areas. Also excluded are some 175,000 persons living in remote and sparsely settled parts of Australia. The exclusion of these persons has only a minor impact on any aggregate estimates that are produced for individual States and Territories, with the exception of the Northern Territory where such persons account for over 20% of the population.

Data detail

- presence of garden;
- garden watering methods/water conservation measures;
- household water sources;
- main sources of gardening, bathing and showering, washing and drinking water;

Data detail *continued*

- use of drinking water filter;
- quality of mains tap water/problems;
- reasons for/for not installing rainwater tank;
- presence of swimming pool and filter;
- presence of dual flush toilets/reduced flow shower heads;
- methods of water conservation in dwelling;
- cost of water and influence on amount used;
- awareness of water ratings of appliances;
- State and Territory;
- metropolitan/non-metropolitan geographic area; and
- household type.

Geographic coverage

State and Territory, metropolitan/non-metropolitan geographic area.

Frequency of data availability

Data for this topic is available every 3 years as part of a triennial collection program.

Historical data

June 1994.

Products and services

Publications

- *Environmental Issues — People's Views and Practices* (Cat. no. 4602.0)

Other

- Special data service available on request. Tables can be provided electronically in spreadsheets, by email or disk.

ENVIRONMENT

Example of information available

HOUSEHOLD WATER CONSERVATION METHODS, Australia, States and Territories — March 1998

	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	'000	'000	'000	'000	'000	'000	'000	'000	'000
Dual flush toilet	1 088.0	1 105.2	680.0	375.3	434.6	89.9	35.5	55.7	3 864.3
Reduced flow shower head	705.7	545.6	437.5	198.9	259.7	60.3	15.8	37.8	2 261.3
Neither item	1 011.7	475.5	439.0	166.0	173.2	71.7	16.8	44.0	2 397.8
Recycle/reuse water	349.6	237.7	178.2	97.9	126.9	28.9	6.6	13.4	1 039.3
Full loads when washing	376.5	352.0	182.8	71.0	106.7	30.3	12.3	23.3	1 154.9
Shorter showers	382.7	249.1	197.1	66.0	110.4	26.9	9.4	15.3	1 056.9
Turn off/repair dripping taps	502.5	340.3	283.4	83.8	107.0	30.9	17.3	24.8	1 389.9
Brick in toilet cistern	68.6	26.3	19.8	*7.7	10.9	*4.0	*1.2	*3.2	141.6
Use bucket to wash car	125.8	98.4	46.2	30.9	43.6	8.4	*4.6	*4.6	362.6
Wash car on lawn	259.6	106.0	53.2	32.6	37.1	13.0	6.4	7.3	515.4
Use broom to clean paths	169.4	84.8	44.3	16.3	34.4	6.6	*4.7	*4.3	364.9
Other	168.3	126.9	153.7	46.3	59.8	14.2	*2.2	11.6	583.0
No water conservation steps	1 198.4	922.3	672.8	347.7	351.6	105.7	28.3	60.4	3 687.0

* The estimate has a relative standard error equal to or greater than 25%.

NAME OF COLLECTION

National Greenhouse Gas Inventory

Contact

Assistant Manager
 Greenhouse Inventory and Science Team
 Australian Greenhouse Office
 GPO Box 621
 CANBERRA ACT 2601

Telephone: Canberra 02 6274 1371
 Facsimile: Canberra 02 6274 1439
 Email: greenhouse.assessment@greenhouse.gov.au
 Website: <http://www.greenhouse.gov.au>

Purpose

To provide estimates of Australia's greenhouse gas emissions.

Description

Emissions are estimated using data from ABARE, ABS and industry surveys and the Australian Methodology for the Estimation of Greenhouse Gas Emissions and Sinks Workbooks 1 to 8.

Data detail

Greenhouse gas emissions from:

- electricity production;
- production and distribution of oil and natural gas; and
- waste water handling.

Emissions from other sectors (e.g. transport, industrial processes) are also reported.

Geographic coverage

Data are only available at the National level.

Frequency of data availability

Annual.

Historical data

1990 to 1998.

ENVIRONMENT

Products and services

Publications

- *National Greenhouse Gas Inventory*
- *National Greenhouse Gas Inventory Land Use Change and Forestry Sector*
- *National Greenhouse Gas Inventory Analysis of Trends and Greenhouse Indicators*

Other

- All three publications are available from the AGO Website.

NAME OF COLLECTION

**National Land and Water Resources Audit (NLWRA) —
Australian Natural Resources Atlas**

Contact

Technical Manager (Data)
National Land and Water Resources Audit
GPO Box 2182
CANBERRA ACT 2601

Telephone: Canberra 02 6257 3052
Facsimile: Canberra 02 6257 9518
Email: info@nlwra.gov.au
Website: <http://www.nlwra.gov.au>

Purpose

To provide a national assessment of land, water and vegetation resources.

Description

The Australian Natural Resources Atlas presents National, State and regional summaries about land, water and vegetation resources. Information is presented about water availability, dryland salinity, vegetation, agricultural productivity and ecosystem health in the intensive and extensive land use areas of Australia. Collection method varies with the type of data collected.

Data detail

- water resources — availability of water; water use and allocation; potential for development; management of water resources; surface water quality; river condition; sediment delivery and nutrient transfer in water bodies;
- dryland salinity — current extent; risk of dryland salinity in 2020 and 2050; impacts on agriculture, water resources, infrastructure and conservation assets;
- vegetation — extent of vegetation; change over the past 250 years;
- rural land use (1:1 million scale);
- agricultural productivity — agricultural productivity trends — diversification and intensity; agricultural industry economic and practice profiles; nutrient balance at farm gate; soil properties including permeability; available water retention capacity; pH (soil acidity, buffering capacity, exchangeable Al); soil nutrient status; % clay; soil texture (including coarse fragments); bulk density; soil erodibility; solum depth, thickness of A- and B-horizons (estimated rooting depth);

ENVIRONMENT

Data detail *continued*

- catchment and landscape health — a range of integrated measures of catchment and landscape function and quality; and
- estuaries and their condition.

Geographic coverage

National coverage broken down to State, statistical local areas, drainage basins and biogeographic regions.

Frequency of data availability

Annual.

Historical data

From 1996.

Products and services

Internet

- Website: <http://www.nlwra.gov.au/atlas>

FINANCIAL PERFORMANCE

NAME OF COLLECTION

Business Expectations Survey

Contact

Assistant Director
Data Management and Dissemination
Economy Wide Statistics Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7587

Facsimile: 1800 999 310

Email: s.norris@abs.gov.au

Website: <http://www.abs.gov.au>

Purpose

The Business Expectations Survey (BES) is a quarterly survey which provides data on the expectations of businesses in both the short (next 3 months) and medium terms (the current quarter of the following year) for a range of indicators.

Description

The BES samples businesses in all industries except agriculture, forestry and fishing, general government, and private households. Expectations are provided by respondents as percentage changes between a constant period and two future periods. Expectations are published at an aggregate level as weighted net balances or expected aggregate changes, with the expected aggregate change being the preferred expectations measure. These data are classified by industry, business size and State or Territory.

To collect the data, a mail questionnaire is used. The survey is based on a stratified random sample of approximately 3,800 businesses.

Data detail

Data items available for the electricity, gas and water supply industries are expectations for:

- operating income;
- selling prices;
- profit;
- capital expenditure;
- stocks;
- employment;

FINANCIAL PERFORMANCE

Data detail *continued*

- wage and salary expenses;
- other labour expenses;
- other operating expenses; and
- total operating expenses.

Geographic coverage

Most data are published at the Australian total level. Some data are published at a State level.

Frequency of data availability

Quarterly.

Reference period

Quarters ended 31 March, 30 June, 30 September and 31 December.

Historical data

Data are available from the December quarter 1993.

Products and services

Publications

- *Australian Business Expectations* (Cat. no. 5250.0)

Other

- Special data services are available on request.

Example of information available

ELECTRICITY, GAS AND WATER INDUSTRY EXPECTATIONS, SHORT-TERM OUTLOOK
EXPECTED AGGREGATE CHANGE, Australia — March Quarter 2001

	Expected aggregate change from the previous quarter				
	<i>March qtr 2000</i>	<i>June qtr 2000</i>	<i>Sept. qtr 2000</i>	<i>Dec. qtr 2000</i>	<i>March qtr 2001</i>
<i>Business performance indicators</i>	%	%	%	%	%
Trading performance					
Operating income	0.1	1.5	1.7	1.9	-2.8
Selling prices	0.9	0.1	1.4	-0.8	—
Profit	16.6	2.4	2.1	10.6	-15.3
Investment					
Capital expenditure	-2.0	2.2	6.4	6.7	2.5
Stocks	-3.3	-4.6	3.0	2.1	—
Employment					
Full-time equivalent	-1.5	0.2	0.1	0.3	0.5
Operating expenses					
Wages	-0.9	0.6	1.3	0.6	0.6
Non-wage labour	-0.5	0.8	1.8	0.1	0.3
Other	-2.7	1.1	1.6	0.2	-0.5
Total	-2.5	1.1	1.6	0.2	-0.4

The same list of data items is also available for medium-term expectations.

FINANCIAL PERFORMANCE

NAME OF COLLECTION

Economic Activity Survey

Contact

Client Services Manager
Economic Activity Survey
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5288
Facsimile: 1800 246 303
Email: steve.glaznieks@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The information produced from the Economic Activity Survey (EAS) summarises the structure, activity and performance of businesses and industries in the Australian economy. Data are presented in both standard accounting and economic formats. The survey provides 'economic indicator' statistics which monitor the economy in regard to the business cycle.

Description

The EAS surveyed 10,200 businesses in 1998–99, covering all industries at the *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC) division level. Of these 10,200 businesses 20% are completely enumerated every year, whilst the remainder are randomly sampled on a rotating basis. Data for electricity, gas and water supply industries are covered by ANZSIC Subdivisions 36–37.

Data detail

- operating business;
- number of persons employed;
- sales of goods and services;
- trading profit;
- earnings before interest and tax;
- operating profit before tax;
- assets;
- liabilities;
- net worth;
- capital expenditure;
- gross operating surplus;
- industry value added;
- business averages; and
- industry ratios.

Geographic coverage

Australia.

Frequency of data availability

Annual.

Reference period

Financial year ended 30 June.

Historical data

Available from 1990-91 onwards.

Products and services

Publications

- *Business Operations and Industry Performance, Australia, Preliminary* (Cat. no. 8142.0)
- *Business Operations and Industry Performance, Australia* (Cat. no. 8140.0)

Other

- *Summary of Industry Performance* (Cat. no. 8140.0.40.002). These are one-page summaries of each industry's structure, income statement, balance sheet, economic values, business averages and performance ratios. This product is available electronically only.
- Industry concentration statistics — these tables show the proportions of sales, persons employed and industry gross product that are concentrated among the 20 largest enterprise groups operating in each industry. This product is available electronically only.
- Counts of businesses — apart from straight counts by employment size, counts can also be produced using other variables such as turnover or revenue.
- Other products can be tailored to satisfy the specific needs of clients. However, the availability of data are subject to quality and confidentiality checks. Data can be made available in hard copy, floppy disc, CD ROM and via Email in spreadsheets.
- AusStats.

FINANCIAL PERFORMANCE

Example of information available

SUMMARY OF INDUSTRY PERFORMANCE, ALL SIZES: ELECTRICITY, GAS AND WATER SUPPLY, Australia

	<i>Units</i>	<i>1996-97</i>	<i>1997-98</i>	<i>1998-99</i>
Industry structure				
Operating businesses	no.	232	231	229
Employment	no.	54 623	49 953	46 995
Income statement				
Trading profit	\$m	12 418	12 889	12 983
Earnings before interest and tax	\$m	7 689	8 248	8 852
Operating profit before tax	\$m	4 212	4 800	5 895
Balance sheet				
Total assets	\$m	115 576	122 371	118 089
Total liabilities	\$m	47 655	54 516	54 588
Economic values				
Capital expenditure	\$m	3 568	4 952	4 857
Industry value added	\$m	n.a.	14 130	14 049

NAME OF COLLECTION

Electricity and Gas Operations, Census of

Contact

Supervisor
Mining National Project Centre
Australian Bureau of Statistics
GPO Box 2272
ADELAIDE SA 5001

Telephone: Adelaide 08 8237 7621
Facsimile: Adelaide 08 8237 7620
Email: mining@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To collect information about the operation and financial performance of employing businesses classified to these industries on the ABS Business Register. The data are incorporated in the Economic Activity Survey as well as Australia's National Accounts.

Description

The Census of Electricity and Gas Operations collects data from businesses for which the predominant activity is the generation, transmission or distribution of electricity (ANZSIC 3610), the manufacture of town gas from coal and/or petroleum, or the mains distribution of town gas, natural gas or liquefied petroleum gas (ANZSIC 3620).

Each business is classified to the single industry from which it derives its main income, irrespective of any diversity of activities undertaken. This means that a unit which derives most of its income from electricity generation activities would have all operations included in the aggregates for the electricity industry group, even if significant secondary activities (e.g. water supply) were undertaken.

Data detail

A wide range of items are collected, and these include:

- number of businesses;
- employment at 30 June;
- wages and salaries;
- sales of goods and services;
- purchases of goods and materials (e.g. electricity, fuels and gas);
- cost of sales;

FINANCIAL PERFORMANCE

Data detail *continued*

- trading profit;
- government subsidies;
- operating profit before tax;
- turnover;
- value added;
- net worth;
- trading profit margin;
- return on assets; and
- debt to assets;

Geographic coverage

Australia for gas supply and electricity data. State and Territory for electricity data only.

Frequency of data availability

Annual.

Reference period

The financial year ended 30 June annually.

Historical data

Available since 1984–1985.

Products and services

Publications

- *Electricity, Gas, Water and Sewerage Operations, Australia* (Cat. no. 8226.0)
- *Electricity, Gas, Water and Sewerage Industries, Australia* (Cat. no. 8208.0).
- Before 2001, publications Cat. no. 8226.0 and Cat. no. 8208.0 were released on alternate years. While data from the ABS Water and Sewerage Survey, and the ABS Electricity and Gas Survey, were published in both publications, the publication Cat. no. 8208.0 includes related data from other ABS and non-ABS sources. The aim is to provide a broader industry picture than the ABS electricity, gas, water and sewerage surveys alone.
- From 2001, only the data from the ABS Water and Sewerage Survey, and the ABS Electricity and Gas Survey will be published in Cat. no. 8226.0. Related data from other ABS and non-ABS sources will be released on the ABS website when they become available.

Products and services *continued*

Internet

- Website: <http://www.abs.gov.au>

Other

- Special data services are available on request.

Example of information available

AUSTRALIAN ELECTRICITY AND GAS SUPPLY INDUSTRIES: SUMMARY DETAILS

	<i>Units</i>	Electricity industry		Gas industry	
		1997-98	1998-99	1997-98	1998-99
Management units at 30 June	no.	67	85	18	18
Employment at 30 June	no.	34 747	32 701	2 738	3 073
Wages and salaries	\$m	2 080.3	2 007.9	151.8	182.5
Turnover	\$m	21 793.0	24 293.1	4 190.3	5 105.5
Industry value added	\$m	9 358.8	9 701.0	1 209.1	1 404.1

FINANCIAL PERFORMANCE

NAME OF COLLECTION

Engineering Construction Survey

Contact

Manager
Engineering Construction Survey
Australian Bureau of Statistics
GPO Box 2272
ADELAIDE SA 5001

Telephone: Adelaide 08 8237 7672
Facsimile: Adelaide 08 8237 7620
Email: alan.plekys@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To measure the value of all engineering construction work undertaken in Australia.

Description

All management units recorded on the ABS Businesses Register and classified to the construction industry and all other units known to be undertaking engineering construction work (from trade journals, newspapers, etc.). The population is about 28,000 management units.

A sample survey conducted by mail questionnaire to about 3,400 management units undertaking engineering construction work.

Data detail

Variables collected:

- value of all new projects commenced during quarter;
- value of work done on all projects during quarter; and
- value of work yet to be done on all projects underway at end of quarter.

Type of construction:

- roads, highways and subdivisions, airport runways;
- bridges;
- railways and tramways;
- harbours;
- water storage and supply;
- sewerage and drainage;
- electricity generation, transmission and distribution;
- pipelines (other than water);

Data detail *continued*

- recreation;
- telecommunications;
- heavy industry;
 - oil, gas and other hydrocarbons;
 - bauxite, alumina and aluminium;
 - coal and coal handling;
 - other minerals; and
 - other heavy industry.
- site preparation services;
- landscaping;
- other; and
- total.

Sector of ownership:

- private sector; and
- public sector.

Sector performing work:

- private sector;
- public sector; and
- total.

Geographic coverage

States and Territories.

Frequency of data availability

Quarterly.

Reference period

Calendar Quarter.

Historical data

From September quarter 1986.

Products and services

Publications

- *Engineering Construction Activity Australia* (Cat. no. 8762.0)

Internet

- AusStats.

FINANCIAL PERFORMANCE

Example of information available

ENGINEERING CONSTRUCTION: VALUE OF WORK DONE, Australia			
	<i>Water storage and supply</i>	<i>Sewerage and drainage</i>	<i>Electricity generation, transmission and distribution</i>
	\$m	\$m	\$m
1999			
September quarter	166.4	207.2	626.4
December quarter	212.9	274.2	649.4
2000			
March quarter	163.2	281.9	616.0
June quarter	179.4	308.1	800.9
September quarter	142.8	298.8	775.4

NAME OF COLLECTION

Inventories, Sales and Services, Survey of

Contact

Manager
 Inventories and Sales Section
 Australian Bureau of Statistics
 GPO Box 796
 SYDNEY NSW 1041

Telephone: Sydney 02 9268 4165
 Facsimile: Sydney 02 9268 4101
 Email: karen.young@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

This survey aims to measure the value of inventories for selected industries and income from the sales of goods and services, for private businesses in Australia. The survey has been designed to primarily provide data for the ABS, in particular the National Accounts Branch. The major users outside of the ABS are the Reserve Bank and Treasury.

Description

The survey includes industries from selected Divisions from the *Australian and New Zealand Standard Industrial Classification 1993* (ANZSIC), and includes:

Division D: part only

Electricity and gas supply (36) — *Inventories*

The survey excludes the following industries:

- agriculture, forestry and fishing;
- water supply, sewerage and drainage services;
- construction;
- finance and insurance;
- government administration and defence;
- education, health and community services;
- cultural and recreation services; and
- personal and other services.

Each quarter a sample of approximately 14,000 private businesses are selected from the ABS Business Register.

FINANCIAL PERFORMANCE

Data detail

A range of items are collected, and these include:

- inventories;
- sales of goods manufactured; and
- income from the sales of goods and services by State/Territory.

Geographic coverage

Australia, States and Territories.

Frequency of data availability

Quarterly.

Reference period

Calendar Quarter.

Historical data

Estimates from June 1984 are available on request.

Products and services

Publications

- *Inventories and Sales, Selected Industries, Australia* (Cat. no. 5629.0)

Internet

- Website: <http://www.abs.gov.au>

Other

- Special data services are available upon request.

Example of information available

INVENTORIES, CURRENT PRICES, ELECTRICITY AND GAS SUPPLY, Australia	
	<i>Inventories</i>
<i>Quarter</i>	<i>\$m</i>
1999	
March	119
June	122
September	166
December	266
2000	
March	182
June	179
September	166

NAME OF COLLECTION

Irrigation Water Delivery Data and Irrigated Farm Census

Contact

Production Manager
 Productions and Catchments
 Goulburn-Murray Water
 PO Box 165
 TATURA VIC 3616

Telephone: Melbourne 03 5833 5498
 Facsimile: Melbourne 03 5833 5509
 Website: <http://www.g-mwater.com.au>

Purpose

Data is monitored weekly to assess the operation of the business, consider financial performance and for use in system modelling. Every four years an irrigation census is held to record areas of various crops irrigated with area supplied. The results are used for land and water management plans throughout Northern Victoria.

Description

All water supplied to irrigators via Goulburn-Murray's water channel network is captured in the irrigation water delivery data set. There are approximately 12,500 irrigators spread across 15,000 square kilometres of northern Victoria in eight separate areas. Data are collected from water orders and readings from irrigation outlets. The 4-yearly census is conducted by a mail questionnaire to all irrigated land within the area supplied.

Data detail

For irrigation water delivery:

- volume of water delivered;
- when water delivered; and
- 10-year averages.

For the census:

- number of properties;
- primary enterprise of property;
- area of crops;
- method of irrigation;
- environmental improvements;
- ground water use; and
- number of drainage re-use systems.

FINANCIAL PERFORMANCE

Geographic coverage

Northern Victoria.

Frequency of data availability

Daily for water delivery data and 4-yearly for the census.

Historical data

Monthly back to 1978–79 for water delivery data and 4-yearly from 1991 for census data.

Products and services

Publications

- *Goulburn-Murray Water Annual Reports (since 1994/95)*
- *Results of Irrigated Farm Census*

Internet

- <http://www.g-mwater.com.au>

Other

- Data available on request.

Example of information available

TOTAL IRRIGATED AREA, Goulburn–Murray (ha)

	<i>Dairy</i>	<i>Horticulture</i>	<i>Cropping and grazing</i>	<i>Grazing only</i>	Total
Irrigation area					
Shepparton	22 137	4 994	11 926	15 083	54 140
Central Goulburn	71 304	4 582	14 673	29 032	119 591
Rochester	30 659	2 501	12 742	15 810	61 712
Pyramid–Boort	14 650	902	56 681	36 786	109 019
Campaspe District	2 914	416	1 075	614	5 019
Murray River	42 997	3 524	18 817	16 072	81 410
Torrumbarry	52 920	2 556	23 980	50 696	130 152
Tresco District	9	810	33	32	884
Nyah District	n.a.	697	76	261	1 034

NAME OF COLLECTION

Taxation Statistics

Contact

Assistant Director
 Corporate Information Branch
 Australian Taxation Office (ATO)
 PO Box 900
 CIVIC SQUARE ACT 2608

Telephone: Canberra 02 6216 5784
 1800 806 214

Facsimile: Canberra 02 6216 5761

Email: taxstats@ato.gov.au

Website: <http://www.ato.gov.au>

Purpose

To provide aggregate income tax data.

Description

Data tabulated from income tax returns (administrative by-product) of approximately ten million individual tax return lodgers.

Obtained from processing of income tax returns (within published range).

Aggregated data can be classified by *Australia and New Zealand Standard Industrial Classification, 1993* (ANZSIC).

Data detail

- income;
- deductions;
- taxable income;
- rebates; and
- net tax.

Data are available for the electricity, gas and water supply industries.

Geographic coverage

For individuals, limited data is available at the postcode level. All published items are available at the National level.

Frequency of data availability

Annual (financial year).

FINANCIAL PERFORMANCE

Historical data

Data in one form or another has been published for at least 40 years. Postcode data are available on CD ROM with publication *Taxation Statistics* (1995 to 1998). For years 1989 to 1994 data can be provided but will be charged for and are subject to GST.

Products and services

Publications

- *Taxation Statistics 1997–98* (includes CD ROM), latest available.

Other

- Certain data services are available subject to confidentiality and privacy considerations. These are charged for and are subject to GST.

NAME OF COLLECTION

The Australian Urban Water Industry Collection — WSAA facts

Contact

Project Officer
 Water Services Association of Australia (WSAA)
 8th Floor 469 LaTrobe Street
 MELBOURNE VIC 3000

Telephone: Melbourne 03 9606 0678
 Facsimile: Melbourne 03 9606 0376
 Email: project.officer@wsaa.com.au
 Website: <http://www.wsaa.asn.au>

Purpose

The provision of water and waste water information on the Australian urban water industry.

Description

Provides an extensive collection of financial and non-financial data at the water business level. WSAA facts is published annually and each publication contains information on the industry covering the previous six years. The Water Services Association of Australia has 21 members providing water and waste water services to approximately 13 million Australians and many of Australia's largest industrial and commercial enterprises. Data for the publication, *WSAA facts*, are collected by questionnaire from the member businesses.

Data detail

- connected populations and properties;
- volume of water supplied and consumed;
- waste water and environment compliance;
- water supply and quality compliance;
- water and waste water service interruptions;
- pricing structures and income sources;
- infrastructure assets and systems;
- revenue;
- water and waste water operating costs;
- water and waste water total costs;
- economic real rate of return;
- return on assets; and
- group profit and loss.

FINANCIAL PERFORMANCE

Geographic coverage

Australia, State and Territory, local government.

Frequency of data availability

Financial year.

Historical data

From 1991–92.

Products and services

Publications

- *WSAA facts*
- An extensive collection of research papers is also available.

Internet

- Website: <http://www.wsaa.asn.au>

Example of information available

VOLUME OF WATER CONSUMED PER RESIDENTIAL PROPERTY (Kl/property)

<i>Water business</i>	1997–98	1998–99	1999–2000
ACTEW Corporation	345.34	308.91	294.94
Barwon Water	221.55	231.06	205.82
Brisbane City Council	363.20	296.92	242.40
Central Gippsland Water	228.03	211.12	232.44
Central Highlands Water	208.65	198.41	218.46
City West Water Limited	245.94	231.95	238.82
Coliban Water	359.74	292.86	281.52
Gold Coast Water	n.a.	n.a.	195.85
Gosford City Council	210.17	203.99	225.00
Goulburn Valley Water	364.10	316.47	315.55
Hobart Water(a)	473.47	431.91	525.69
Hunter Water Corporation	211.77	194.70	195.86
Melbourne Consolidated	244.97	230.16	237.90
Power and Water Authority(b)	801.92	446.87	465.00
S.A. Water Corporation	258.68	267.14	269.85
South East Water Limited	233.10	218.18	231.64
Sydney Water Corporation	256.35	241.61	244.17
Water Corporation	347.55	298.14	320.36
Yarra Valley Water Limited	255.27	240.24	243.15
<i>Average</i>	<i>277.13</i>	<i>255.05</i>	<i>255.89</i>

(a) Hobart Water provides bulk supply to local government retailers. (b) Power and Water Authority property numbers significantly increased in 1998–99 due to new definition. Historical property numbers have not been updated.

NAME OF COLLECTION

Water and Sewerage Survey

Contact

Supervisor
 Mining National Project Centre
 Australian Bureau of Statistics
 GPO Box 2272
 ADELAIDE SA 5001

Telephone: Adelaide 08 8237 7621
 Facsimile: Adelaide 08 8237 7620
 Email: mining@abs.gov.au
 Website: <http://www.abs.gov.au>

Purpose

The Water and Sewerage Survey is conducted annually to collect information about the operation and financial performance of employing businesses classified to these industries on the ABS Business Register by the *Australian and New Zealand Standard Industrial Classification, 1993* (ANZSIC). The data are incorporated in the Economic Activity Survey as well as Australia's National Accounts.

Description

The water and sewerage survey covers those businesses mainly engaged in the storage, purification or supply of water, or the operation of sewerage or drainage systems, including sewage treatment plants (ANZSIC Class 3701: Water supply and Class 3702: Sewerage and drainage services).

Each business is classified to the single industry from which it derives its main income, irrespective of any diversity of activities undertaken. This means that a business which derives most of its income from supply of water would have all operations included in the aggregates for the water supply industry group, even if significant secondary activities (e.g. sewerage operations) were undertaken.

The target population of the survey was all businesses on the ABS Business Register classified to ANZSIC 3701 and 3702 at frame selection time. The sample is stratified on the basis of employment.

Data detail

Detailed profit and loss statement and balance sheet items collected. Published items are:

- sales of goods and services;
- purchases and selected expenses;

FINANCIAL PERFORMANCE

Data detail *continued*

- trading profit;
- selected labour costs;
- earnings before interest and tax;
- operating profit before tax;
- turnover;
- industry value added;
- total assets;
- total liabilities;
- net worth;
- total acquisitions;
- net capital expenditure;
- number of management units;
- employment at 30 June;
- wages and salaries; and
- other items available on request.

Geographic coverage

Australia.

Frequency of data availability

Annual.

Reference period

Financial year ended 30 June.

Historical data

From 1995–96.

Products and services

Publications

- *Electricity, Gas, Water and Sewerage Operations, Australia* (Cat. no. 8226.0)
- *Electricity, Gas, Water and Sewerage Industries, Australia* (Cat. no. 8208.0)

Before 2001, publications Cat. no. 8226.0 and Cat. no. 8208.0 were released on alternate years. While data from the ABS Water and Sewerage Survey, and the ABS Electricity and Gas Survey, were published in both publications, the publication Cat. no. 8208.0 includes related data from other ABS and non-ABS sources. The aim is to provide a broader industry picture than the ABS electricity, gas, water and sewerage surveys alone.

Products and services *continued*

From 2001, only the data from the ABS Water and Sewerage Survey, and the ABS Electricity and Gas Survey will be published in Cat. no. 8226.0. Related data from other ABS and non-ABS sources will be released in ABS Website when they become available.

Internet

- Website: <http://www.abs.gov.au>

Other

- Special data services are available on request.

Example of information available

AUSTRALIAN WATER AND SEWERAGE
INDUSTRY: SUMMARY DETAILS, 1998-99

	<i>Units</i>	<i>Water and sewerage industry</i>
Management units at 30 June	no.	99
Employment at 30 June	no.	12 550
Wages and salaries	\$m	615.0
Turnover	\$m	5 263.6
Industry value added	\$m	3 190.0

INNOVATION AND TECHNOLOGY

NAME OF COLLECTION

Information Technology Survey — Business Enterprises

Contact

Assistant Director
Technology Statistics Project
Small Business and Science and Technology Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5000

Facsimile: Canberra 02 6252 7004

Email: client.services@abs.gov.au

Website: <http://www.abs.gov.au>

Purpose

To provide data on the use of information technology (IT) by Australian business enterprises, including those engaged in the electricity, gas and water supply industries.

Description

A survey of a sample of all businesses except those without employees, and those engaged in agriculture, forestry or fishing. In the 1997–98 survey, approximately 7,000 businesses were surveyed.

Data are collected by mail questionnaire.

Data detail

- IT penetration by industry;
- IT penetration by size of business;
- employment including number of IT professional staff used;
- IT expenditure by industry; includes IT operating expenses, IT capital expenditure and IT in-house support costs;
- IT expenditure by size of business; includes IT operating expenses, IT capital expenditure and IT in-house support costs;
- numbers of authorised users of IT;
- IT professional staff usage by type of work;
- measures of computer connectivity; and
- use of the Internet: benefits, barriers and intentions.

Geographic coverage

Australia.

Frequency of data availability

Under review.

Reference period

Financial year ended 30 June.

Historical data

Data are available for 1993–94 and 1997–98. A much smaller survey was conducted in 1999–2000 primarily to obtain information on business use of the Internet.

Products and services

Publications

- *Business Use of Information Technology* (Cat. no. 8129.0)
- *Business Use of Information Technology, Preliminary* (Cat. no. 8133.0)

Other

- Special data services are available on request.

INNOVATION AND TECHNOLOGY

NAME OF COLLECTION

Year 2000 Problem

Contact

Director
Small Business and Science and Technology Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5019
Facsimile: Canberra 02 6252 7004
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide information on the status of Australian industry in addressing the Year 2000 problem.

Description

The sample survey included businesses in all Australian industries excluding government administration and defence and religious organisations. Approximately 10,000 business units in all industries were surveyed.

Data were collected by mail questionnaire.

Data detail

- proportion of businesses that have heard of the Year 2000 problem;
- proportion of businesses that have already experienced operational problems due to the Year 2000 problem;
- proportion of businesses that are taking action to identify or avoid Year 2000 problems;
- stages businesses are at in ensuring that they are Year 2000 ready;
- timing of undertaking Year 2000 work;
- approximate cost of becoming Year 2000 ready;
- proportion of businesses that have approached suppliers, service providers or customers;
- proportion of businesses that have contingency plans;
- proportion of broad technology types used by businesses and the state of Year 2000 readiness;

Geographic coverage

State breakdowns are available for the larger States.

Frequency of data availability

This survey has been conducted once.

Reference period

Status at the end of October 1998.

Historical data

Historical data are not available from this collection.

Products and services

Publications

- *Year 2000 Problem, Australia* (Cat. no. 8152.0)
- *Year 2000 Problem, Australia, Preliminary* (Cat. no. 8151.0)

Other

- Special data services are available on request.

Example of information available

YEAR 2000 AWARENESS AND INTENTIONS, ALL BUSINESSES, Australia — End of October 1998

<i>Industry(b)</i>	%	<i>Don't intend to</i>	<i>Intend to take</i>
		<i>Aware of the Year</i> <i>2000 problem</i>	<i>action on the Year</i> <i>2000 problem</i>	action on the Year 2000 problem(a)
Agriculture	91	59	41
Mining	94	27	73
Manufacturing	92	38	62
Electricity, gas and water supply	100	3	97
Construction	92	50	50
Wholesale trade	98	19	81
Retail trade	90	47	53
Accommodation, cafes and restaurants	92	47	53
Transport and storage	92	53	47
Communication services	94	34	66
Finance and insurance	98	28	72
Property and business services	92	34	66
Education	95	34	66
Health and community services	96	31	69
Cultural and recreational services	93	40	60
Personal and other services	93	44	56

(a) Including businesses which have completed their Year 2000 work.

INTERNATIONAL INVESTMENT AND TRADE

NAME OF COLLECTION

International Investment, Survey of

Contact

Director
International Investment Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5601
Facsimile: Canberra 02 6252 6164
Email: michael.davies@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To collect information from enterprises on the foreign financial assets and liabilities of Australian residents and associated income transactions.

Description

The Survey of International Investment is a quarterly survey which collects information about investment activity into and out of Australia. The sample size of the collection is approximately 1,200 enterprises. The survey measures:

- the levels (stock) of foreign financial assets and foreign liabilities of residents;
- financial transactions (investment flows) resulting in increases and decreases in the levels of these assets and liabilities;
- other changes in the levels of these assets and liabilities; and
- income accrued on these assets and liabilities.

Collectively, these aspects are referred to as international investment activity.

Data detail

- some limited data available on transactions and levels cross-classified by industry groupings (usually by ANZSIC division).

Geographic coverage

Australia.

Frequency of data availability

Quarterly and annual (financial year).

INTERNATIONAL INVESTMENT AND TRADE

Reference period

Calendar Quarter.

Historical data

Annual 1988–89 to 1998–99.

Quarterly from September 1988.

Products and services

Publications

- *Balance of Payments and International Investment Position, Australia* (Cat. no. 5302.0)
- *International Investment Position, Australia; Supplementary Country Statistics* (Cat. no. 5352.0)
- *Balance of Payments and International Investment Position, Australia* (Cat. no. 5363.0)

Other

- Special data services are available upon request.

Example of information available

FOREIGN INVESTMENT(a) BY INDUSTRY, Australia			
	1996–97	1997–98	1998–99
	\$m	\$m	\$m
FOREIGN ASSETS			
Transactions during year			
Electricity, gas and water	-560	-12	-382
All industries	-18 759	-14 308	-15 092
Levels at end of period			
Electricity, gas and water	-1 027	-1 149	-1 537
All industries	-218 851	-259 992	-272 388
FOREIGN LIABILITIES			
Transactions during year			
Electricity, gas and water	1 648	2 863	68
All industries	34 749	35 810	47 275
Levels at end of period			
Electricity, gas and water	8 036	11 945	13 154
All industries	521 963	580 883	627 337

(a) In keeping with balance of payments conventions, credit entries are shown without sign and debit items are shown as negative entries.

NATIONAL ACCOUNTS

NAME OF COLLECTION

Australian National Accounts: Volume Measures

Contact

Assistant Director
Capital, Production and Deflators Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6801
Facsimile: Canberra 02 6252 5327
Email: paul.curran@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide information about the state and structure of the Australian economy.

Description

The National Accounts are compiled from a wide range of statistical sources, including the ABS Electricity and Gas Survey, Manufacturing Production, and Survey of Employment and Earnings, as well as from selected water authorities.

Compilation methods are provided in *Australian National Accounts: Concepts, Sources and Methods* (Cat. no. 5216.0).

Data detail

- current price gross value added for electricity, gas and water industry; and
- chain volume measure of gross value added for electricity, gas and water industry.

Geographic coverage

Current price measure — Australia, States and Territories.

Volume measure — Australia only.

Frequency of data availability

Annual for current price measures.

Quarterly for volume measures.

Historical data

Annual data available from 1989–90.

Quarterly data available from September 1974.

Products and services

Publications

- *Australian National Accounts: National Income, Expenditure and Product* (Cat. no. 5204.0) — annual
- *Australian National Accounts: National Income, Expenditure and Product* (Cat. no. 5206.0) — quarterly
- *Australian National Accounts: State Accounts* (Cat. no. 5220.0)

Other

- AusStats

Example of information available

CHAIN VOLUME MEASURES OF GROSS VALUE ADDED, Seasonally Adjusted(a)

	<i>Electricity</i>	<i>Gas</i>	<i>Water and sewerage</i>	<i>Total</i>
	<i>\$m</i>	<i>\$m</i>	<i>\$m</i>	<i>\$m</i>
1999				
September quarter	1 776	238	748	2 762
December quarter	1 807	245	746	2 797
2000				
March quarter	1 853	262	760	2 876
June quarter	1 866	257	764	2 887
September quarter	1 875	256	798	2 929

(a) Reference year for chain volume measures is 1998-99.

NATIONAL ACCOUNTS

NAME OF COLLECTION

Australian National Accounts: Input-Output Tables

Contact

Assistant Director
Input-Output Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6723
Facsimile: Canberra 02 6252 6583
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

Input-Output tables are an integral component of the Australian National Accounts. They serve two main purposes. Firstly, they provide a detailed disaggregation of production on an annual basis which is used as the benchmark for the annual national income, expenditure and product accounts. Secondly, they provide a detailed and comprehensive picture of the Australian economy which facilitates analysis of the impacts of policy or other change on the level of economic activity.

Description

Input-Output tables provide a comprehensive view of the economic activity of Australia. In particular they show in some detail the components of gross domestic product for a given period. They also show the links between the various industries within the Australian economy.

The Input-Output tables record the disposition of the output of each industry and they also record the inputs required by each industry to achieve the level of output observed. Disposition of output refers to how the output of a particular industry is disposed of, i.e. as intermediate input into other industries production processes or as a final use through household consumption, capital formation, change in inventories or exports.

A total of 107 industries are shown in the Input-Output tables.

Statistics on the value of Australian production, imports and exports for approximately 1,000 separate commodities are also available.

Data detail

- output, by industry;
- Australian production, imports and total supply, by commodity group;
- compensation of employees, by industry;
- gross operating surplus, by industry; and
- components of final demand, by commodity group.

Geographic coverage

Australia.

Frequency of data availability

Annual (financial year).

Reference period

Financial year ended 30 June.

Historical data

Data are available for various years from 1968–69. Details are available upon request.

Products and services

Publications

- *Australian National Accounts: Input-Output Tables* (Cat. no. 5209.0)
- *Australian National Accounts: Input-Output Tables (Product Details)* (Cat. no. 5215.0)

Other

- Special data services are available upon request.

NATIONAL ACCOUNTS

NAME OF COLLECTION

Australian National Accounts: Quarterly National Income, Expenditure and Product

Contact

For current price data:

Director
National Income and Consumption Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6713
Facsimile: Canberra 02 6252 5327
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

For chain volume measures:

Assistant Director
Capital, Production and Deflators Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6801
Facsimile: Canberra 02 6252 5327
Email: paul.curran@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide a detailed view of the structure and performance of the Australian economy.

Description

The Australian National Accounts summarise, in a systematic and comprehensive way, the economic transactions that take place within the Australian economy and between Australia and the rest of the world. The usefulness of the accounts derives largely from the way in which data from a number of sources are brought together and presented in a conceptually consistent way, both for a given period and over time. Australia's National Accounts are in accordance with the recommendations contained in *System of National Accounts, 1993*, which is the international conceptual standard for the development of National Accounts. The National Accounts are compiled from a wide range of statistical data, including virtually all Australian Bureau of Statistics economic collections and various administrative by-product statistics.

Data detail

In relation to the electricity, gas and water supply industry, data are available about industry gross value added at basic values (chain volume measures).

Geographic coverage

Data relating to the electricity, gas and water supply industries are available for Australia.

Frequency of data availability

Quarterly.

Reference period

Quarters ended 31 March, 30 June, 30 September and 31 December.

Historical data

Generally, quarterly data are available from the September quarter 1959. Data for electricity, gas and water supply industries gross value added are available from the September quarter 1974.

Products and services

Publications

- *Australian National Accounts: National Income, Expenditure and Product* (Cat. no. 5206.0)

NATIONAL ACCOUNTS

NAME OF COLLECTION

Australian System of National Accounts

Contact

For current price data:

Director
National Income and Consumption Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6713
Facsimile: Canberra 02 6252 5327
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

For chain volume measures:

Assistant Director
Capital, Production and Deflators Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6801
Facsimile: Canberra 02 6252 5327
Email: paul.curran@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

To provide a detailed view of the structure and performance of the Australian economy.

Description

The National Accounts summarise, in a systematic and comprehensive way, the economic transactions that take place within the Australian economy and between Australia and the rest of the world. The usefulness of the accounts derives largely from the way in which data from a number of sources are brought together and presented in a conceptually consistent way, both for a given period and over time. Australia's National Accounts are in accordance with the recommendations contained in *System of National Accounts, 1993*, which is the international conceptual standard for the development of National Accounts. The National Accounts are compiled from a wide range of statistical data, including virtually all Australian Bureau of Statistics economic collections and various administrative by-product statistics.

Data detail

Data items available about the electricity, gas and supply industries are:

- compensation of employees;
- gross operating surplus and gross mixed income;
- industry gross factor income;
- industry gross value added at basic values (current prices and chain volume measures);
- gross fixed capital formation (current prices and chain volume measures);
- capital stock (current prices and chain volume measures);
- index of hours worked; and
- index of industry gross value added per hour worked (chain volume measures).

Geographic coverage

All items above are available for Australia. Only the first three items above are available by State and Territory.

Frequency of data availability

Annual.

Reference period

Financial year ended 30 June.

Historical data

Data are available from 1989–90.

Products and services

Publications

- *Australian National Accounts: State Accounts* (Cat no. 5220.0)
- *Australian System of National Accounts* (Cat. no. 5204.0)

Other

- Some additional historical data are available on request.

NATIONAL ACCOUNTS

NAME OF COLLECTION

Energy Account for Australia

Contact

Senior Research Officer
Environment and Energy Statistics Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6637

Facsimile: Canberra 02 6252 5335

Email: sarah.coleman@abs.gov.au

Website: <http://www.abs.gov.au>

Purpose

An environmental account provides an information system which measures interactions between the environment and socioeconomic activity. A physical resource account such as the energy account allows for monitoring the flow of a resource through the economy. An important aim of environmental accounting is to assess the environmental sustainability of economic activities and economic growth through the integration of data on physical resources with monetary information.

The ABS is developing a system of environmental and natural resource accounts, with complementary development and application of standards in environmental accounting. The emphasis is to gather and integrate information from existing data sources where possible, rather than initiate new collections.

Description

The publication *Energy Account for Australia, 1992-93 to 1997-98* (Cat. no. 4604.0) (expected to be released in April 2001) presents information on major energy forms used in Australia and a description of various aspects of energy resources, including supply, production, trade and consumption in physical terms. Data on the use of various fuels, by broad industry group, is presented. This edition also presents data on energy and associated greenhouse gas emissions in an Input-Output format, allowing analyses of energy intensities and embodied energy and emissions to be undertaken.

The Energy Account uses energy statistics sourced from a variety of external agencies. The main data source is ABARE, both published (*Australian Energy — Market Developments and Projections to 2014-15, Research Report 99.4*), as well as unpublished data. The information is based, in part, on information gathered through ABARE's biennial fuel and electricity survey.

Data detail

- energy production by energy product (primary and secondary);
- energy imports by energy product (primary and secondary);
- energy supply by energy product (primary and secondary);
- energy exports by energy product (primary and secondary);
- energy stocks by primary energy product;
- energy use by industry by energy product (primary and secondary);
- energy use by household by energy product (primary and secondary);
- experimental estimates on direct, indirect and cumulated energy use; and
- experimental estimates on energy intensities.

Geographic coverage

The majority of information presented in the energy account is at the national level. Some data on energy end-use at the State level are also presented.

Frequency of data availability

Irregular.

Historical data

Most data items are presented for the years 1992–93 to 1997–98. Historical information is also contained in *Energy Accounts for Australia, 1993–94* (Cat. no. 4604.0). This publication contains some time series information dating back to 1982–83.

Products and services

Publications

- *Energy Accounts for Australia 1993–94* (Cat. no. 4604.0)
- *Energy Account for Australia 1992–93 to 1997–98* (Cat. no. 4604.0)

Other

- Special data services are available on request.

NATIONAL ACCOUNTS

NAME OF COLLECTION

Water Account for Australia

Contact

Senior Research Officer
Environment and Energy Statistics Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616.

Telephone: Canberra 02 6252 7876
Facsimile: Canberra 02 6252 5335
Email: christina.jackson@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The Water Account for Australia ties together regional and state water resources data and the economy wide impact of water resource management and use across Australia. The total volume of water extracted from surface and ground water sources by various industries was quantified as well as the component distributed for use via mains infrastructure. The water account identifies suppliers and users of water in Australia by 38 sectors. The utilisation of effluent for reuse is also identified as well as the volume of water discharged back to the environment from point sources. In-stream usage of water was determined, the major component being utilised for hydro-electricity generation.

Description

Consumptive water use by the electricity and gas industry was identified as well as water usage by the water supply, sewerage and drainage service industry. The water account measured water usage by linking together administrative by-product data from water suppliers (urban and rural) and data on self-extractors (private diverters) of water (usually based on State Government licensing information).

Approximately 400 organisations were approached using mail out, mail back questionnaires. Depending on the jurisdiction, organisations varied between local governments, water boards/authorities, State Governments and individual industries who are large water users.

Data detail

- water intake (source and volume);
- distribution of supply to various users (volume and type of use such as agriculture, industrial, commercial and domestic and details of major water consumers);
- average annual domestic usage;

Data detail *continued*

- losses from the supply system;
- treated and untreated effluent discharges (volume and location); and
- volume of treated effluent transferred to other users for reuse (volume and type of use).

Geographic coverage

Data from the water account for Australia are available at the State, Territory and National level.

Frequency of data availability

Irregular.

Historical data

The data are available for the financial years 1993–94 to 1996–97.

Products and services

Publications

- *Water Account for Australia, 1993–94 to 1996–97* (Cat. no. 4610.0)

Other

- Special data services are available on request.

Example of information available

SUPPLY AND USE OF WATER, Australia — 1996–97

Sector	<i>Supply from surface water and groundwater sources</i>	<i>Net water consumption(a)</i>
	<i>ML</i>	<i>ML</i>
Agriculture	7 156 488	15 502 973
Services to agriculture; forestry and fishing	13 164	18 815
Mining	544 706	570 217
Manufacturing	216 666	727 737
Electricity and gas	47 771 365	1 307 834
Water supply; sewerage and drainage	12 864 431	1 706 645
Other	103 588	522 513
Household	32 923	1 828 999
Total	68 703 371	22 185 733

(a) Net water consumption = self extracted use + mains use – mains supply – in-stream discharge.

PRICES

NAME OF COLLECTION

Consumer Price Index (CPI)

Contact

Assistant Director
Consumer Price Indexes Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6251
Facsimile: Canberra 02 6252 6130
Email: steve.whennan@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

A general measure of price inflation for the household sector as a whole. The CPI measures the changes in the price of a fixed basket of goods and services acquired by household consumers. The CPI 'basket' covers a wide range of items for food, alcohol and tobacco, clothing and footwear, housing, household furnishings, health, transportation, communication, recreation and education.

Description

A sample survey collected by either face-to-face interview, telephone, mail or from administrative by-product. Information about prices of goods and services is collected in retail outlets and other places where households normally purchase. In total, around 100,000 separate price quotations are collected each quarter.

Separate indexes are available for 11 major groupings of items, divided into 34 sub-groups, divided into 89 expenditure classes.

Data detail

- indexes of prices of goods and services typically purchased by private household consumers.

Geographic coverage

Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart, Darwin, Canberra and weighted average of eight capital cities.

Frequency of data availability

Quarterly.

Reference period

Calendar Quarter.

Historical data

Long-term retail price index from 1850.

Various other data from 1948.

Current data from 1972.

Products and services

Publications

- *Consumer Price Index, Australia* (Cat. no. 6401.0)

Internet

- Website: <http://www.abs.gov.au>

Other

- AusStats.
- Special data services are available upon request.

Example of information available

CONSUMER PRICE INDEX (CPI) 14th SERIES: By Selected Regions: Utilities

	June Quarter 2000			September Quarter 2000		
	Index numbers(a)	Change from corresponding quarter of previous year	Change from previous quarter	Index numbers(a)	Change from corresponding quarter of previous year	Change from previous quarter
		no.	%		%	no.
Canberra						
Utilities	130.5	4.8	0.9	143.6	12.6	10.0
Electricity	125.3	3.1	0.0	141.4	12.8	12.8
Gas and other household fuels	149.5	3.7	3.8	167.3	16.7	11.9
Water and sewerage(b)	109.3	9.8	0.0	112.4	8.9	2.8
Weighted average of eight capital cities						
Utilities	122.3	1.2	-0.4	133.1	9.4	8.8
Electricity	116.9	0.6	-1.1	129.7	11.9	10.9
Gas and other household fuels	126.7	-0.2	0.7	142.5	12.1	12.5
Water and sewerage(b)	106.4	3.7	0.0	108.0	2.1	1.5

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0. (b) Base of index: June quarter 1998 = 100.0.

PRICES

NAME OF COLLECTION

**Independent Pricing and Regulatory Tribunal of
New South Wales Collection**

Contact

General Manager
Independent Pricing and Regulatory Tribunal
PO Box Q290
QVB Post Office NSW 1230

Telephone: Sydney 02 9290 8400
Facsimile: Sydney 02 9290 2061
E-mail: colin_reid@ipart.nsw.gov.au
Website: <http://www.ipart.nsw.gov.au>

Purpose

The Tribunal's *Annual Report* is published annually to advise the community of IPART's activities including price determinations in the electricity, gas, water and public transport sectors.

Description

The Tribunal's *Annual Report* includes reference to investigations, final and draft reports, determinations and other work conducted by the Tribunal.

Data detail

- schedule of prices;
- financial rate of return;
- profitability;
- performance measures; and
- regulatory audits.

Geographic coverage

NSW.

Frequency of data availability

Annual.

Historical data

Annual since 1992.

Products and services

Publications

▪ *Annual Report*

Price investigation reports and determinations, discussion papers and research reports are available from IPART's Website or in hard copy form.

Internet

- Website: <http://www.ipart.nsw.gov.au>

PRICES

NAME OF COLLECTION

NEMMCO Market Management System

Contact

Information Centre Coordinator
National Electricity Market Management Company Limited
(NEMMCO)
Level 12 Hudson House
131 Macquarie Street
SYDNEY NSW 2000

Telephone: Sydney 02 9240 9145
Facsimile: Sydney 02 9251 6380
E-mail: jenny_novak@nemmco.com.au
Website: <http://www.nemmco.com.au>

Purpose

NEMMCO manages the National Electricity Market (NEM), which is a market for the wholesale trading of electricity covering ACT, NSW, Qld, SA and Vic. The data enables users to keep a record of market activities and to access and present that information in a variety of formats for the purposes of presentations, modelling, forecasting and market analysis.

Description

The data are obtained from an ongoing collection that is updated in real time. The collection covers the key data sets relevant to market processes. The publicly available data sets cover price, electricity demand levels, bidding, dispatch of generation, forecasts and a range of other information related to and used in the operation of the market.

Files in the format of comma separated value (.csv) are generated by the market management systems and are one of the data options available to market participants to access and submit the necessary information to participate in the market. The design has been dictated by the requirements of the market systems and processes. The production of files in csv format is to facilitate the parsing of the data into end-user database/systems, and to provide market data in a format that is readable from any Information Technology platform.

Data detail

- regional price and demand data;
- 5-minute dispatch data by region;
- interconnector flows;
- price and demand forecasts;
- bidding data;
- settlement residue auction results; and
- weekly aggregated data files.

Geographic coverage

ACT, NSW, Qld, SA and Victoria. Regional data are also available.

Frequency of data availability

Files are updated in real time. The frequency varies from every five minutes to one week to 'as required', depending on the contents and purpose of the file.

Historical data

From 13 December 1998.

Products and services

Publications

- *An Introduction to Australia's National Electricity Market*
- *Statement of Opportunities*
- *Annual Report*

Internet

- Website: <http://www.nemmco.com.au>

Other

- Information Centre — 1300 361 011
- Monthly cumulations of public .csv file data are available for inter-library loan from the Information Centre. Ad hoc data requests delivered in CD format, charges dependant upon data provided.

PRODUCTION

NAME OF COLLECTION

Annual Water Statistics

Contact

Director
Business Development and Customer Service
SunWater
PO Box 536 Albert Street
BRISBANE QLD 4002

Telephone: Brisbane 07 3224 7649
Facsimile: Brisbane 07 3406 2135
Email: cec.maddox@sunwater.com.au
Website: <http://www.sunwater.com.au>

Purpose

To provide information on water use in Queensland.

Description

Provides a comprehensive overview of water use and water infrastructure in Queensland. Internal data is collected on 28 irrigation water supply schemes owned by SunWater.

Data detail

- irrigation areas;
- number of users;
- nominal allocation;
- announced allocation;
- releases of water;
- area irrigated;
- rainfall by season;
- storage levels;
- visitors to storage sites;
- farms served; and
- storage details.

Geographic coverage

Individual storage dams, Queensland.

Frequency of data availability

Annual.

Historical data

Annual since 1990–91.

Products and services

Publications

- *State Water Projects Yearbook*

Internet

- Website: <http://www.sunwater.com.au>

Example of information available

MAJOR WATER STORAGE, SUMMARY OF STORAGE SITUATION, Queensland — July 1999

	Units	North Region			
		Tinaroo Falls Dam	Burdekin Falls Dam	Clare Weir	Julius Dam
Total capacity (ML)	ML	438 900	1 860 000	15 900	107 500
Storage at July 1998 (ML)	ML	429 156	1 805 977	10 687	107 500
Storage at June 1999 (ML)	ML	438 900	1 788 943	8 918	102 125
Minimum storage July 1998 to June 1999 (ML)	ML	366 862	1 765 723	6 610	106 425
Minimum storage % usable July 1998 to June 1999	%	84	95	24	99
Maximum storage July 1998 to June 1999 (ML)	ML	438 900	1 860 000	15 900	107 500
Maximum storage % usable August 1998 to June 1999	%	100	100	100	100

PRODUCTION

NAME OF COLLECTION

Coal Statistics for New South Wales

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au
Website: <http://www.doe.nsw.gov.au>

Purpose

To collect various coal statistics for NSW.

Description

Contains various statistical and financial information for the coal industry in NSW.

Data detail

- raw and saleable coal production by regional mine type;
- coal consumption by end use and industry type;
- exports by country and coal type;
- coal reserves and coal mining;
- environmental impacts; and
- new coal power generation technologies.

Geographic coverage

NSW.

Frequency of data availability

Annual.

Historical data

From 1950 onwards.

Products and services

Publications

- *Coal Statistics for NSW*

Other

- Data relating to a publication are on the database. Hard copy and partly electronic copies available.

NAME OF COLLECTION

Electricity Australia

Contact

Manager, Research and Information Services
 Electricity Supply Association of Australia (ESAA)
 PO Box A 2492
 SYDNEY SOUTH NSW 1235

Telephone: Sydney 02 9261 0141
 Facsimile: Sydney 02 9261 3153
 Website: <http://www.esaa.com.au>

Purpose

To collect operational and financial statistics for the electricity supply industry from electricity producers, network services providers and electricity retailers.

Description

Annual report for electricity industry statistics.

Method of collection

Census of all major electricity companies. Mail questionnaire — initial questionnaires. Telephone interviews for follow-up.

Data detail

- electricity production;
- fuel consumption;
- network stock;
- number of customers;
- electricity consumption;
- electricity prices; and
- industry performance.

Geographic coverage

Australia.

Frequency of data availability

Annual.

Historical data

1995 onwards.

PRODUCTION

Products and services

Publications

- *Electricity Australia* (Also available on CD ROM)

Internet

- Some key statistics are available on ESAA Website:
<http://www.esaa.com.au>

NAME OF COLLECTION

Electricity Distribution Businesses, Victoria

Contact

Manager, Performance Reporting and Retail Competition
Office of the Regulator-General, Victoria
1st Floor, 35 Spring Street
MELBOURNE VIC 3000

Telephone: Melbourne 03 9651 0222

Facsimile: Melbourne 03 9651 3688

Email: Reception@reggen.vic.gov.au

Website: <http://reggen.vic.gov.au>

Purpose

This report examines the financial and service quality performance of Victoria's five distribution businesses for the 1999 calendar year and provides comparisons of the performance trends since 1995.

Description

The Office of the Regulator-General publishes annual performance reports on the quality, affordability and profitability of the monopoly services provided by the distribution businesses, to promote competition by comparison.

These comparative reports provide incentives for the distributors to improve their performance relative to that of other distributors, while at the same time providing comprehensive information to customers about the services they are receiving.

Data detail

Overall findings on:

- profitability;
- reliability;
- statewide averages;
- distribution businesses;
- regulatory audits;
- quality of supply;
- affordability;
- customer service; and
- customer complaints.

PRODUCTION

Geographic coverage

Victoria.

Frequency of data availability

Biannual.

Historical data

Biannual since 1995.

Products and services

Publications

- *Electricity Distribution Businesses — Comparative Performance Report, 1999*
- *2001 Electricity Distribution Price Review*

Internet

- Website: <http://reggen.vic.gov.au>

Example of information available

ELECTRICITY DISTRIBUTION BUSINESSES, COMPARATIVE PERFORMANCE, Victoria

	<i>Units</i>	1996	1997	1998	1999
Number of customers	no.	2 043 477	2 071 150	2 123 854	2 109 665
Average minutes off supply per customer	no.	218	199	199	156
Average number of interruptions per customer	no.	3.70	4.20	4.31	4.09
Outages	no.	56 415	57 103	57 902	33 170
Residential disconnections for non-payment	no.	22 409	10 302	9 193	6 790
Business disconnections for non-payment	no.	1 771	1 304	1 073	879
Residential reconnections in the same name	no.	15 736	5 639	5 448	3 674
Business reconnections in the same name	no.	895	467	484	309
Actual revenue	\$m	1 294	1 358	1 377	1 394
Actual return	\$m	504	561	594	595
Capital expenditure	\$m	240	284	295	333

NAME OF COLLECTION

Electricity Statistics for New South Wales

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au
Website: <http://www.doe.nsw.gov.au>

Purpose

To collect and publish various electricity statistics for NSW.

Description

Contains engineering and financial information for electricity generation and supply authorities in NSW.

Data detail

- sector wide sales;
- purchases and customer numbers (also by tariff classification);
- performance indicators;
- distribution systems;
- assets and liabilities;
- generation;
- fuel use;
- plant efficiency;
- capacity factors;
- transmission lines;
- environmental data; and
- legislative and policy matters.

Geographic coverage

New South Wales.

Frequency of data availability

Annual.

Historical data

1955 to 1996 (only summary data are available — not available after 1996).

PRODUCTION

Products and services

Publications

- *Engineering and Financial Statistics of Electricity Supply Authorities in NSW*

Other

- Data relating to a publication and database. Data available on hard copy and in electronic form. Most of the data are available to the public (retailer data are confidential after 1996).

NAME OF COLLECTION

Energy Statistics for New South Wales

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au
Website: <http://www.doe.nsw.gov.au>

Purpose

Data are collected to answer the questions asked in the NSW Parliament, to prepare ministerial submissions for energy policy development and to answer queries from various other government departments, public sector and private sector agencies, energy consultants, academic institutions, research organisations, universities, schools and the general public.

Description

Contains various energy statistics for gas, petroleum, coal and electricity.

Data detail

- energy use in NSW and Australia;
- coal reserves, production and consumption, exports and legislation;
- petroleum — exploration, refining, use, imports, exports, fuel outlets and legislation;
- gas — demands by sector, LPG use, pipelines;
- electricity — generation, distribution, use by sector; and
- energy prices.

Geographic coverage

NSW.

Frequency of data availability

Published once every five years but annual data are available.

Historical data

From 1976 to date.

PRODUCTION

Products and services

Publications

- *Energy Statistics for NSW 1995*

Other

- Publication also available electronically.

NAME OF COLLECTION

Energy Use in New South Wales

Contact

Principal Projects Officer
Policy and Statistics Branch
Strategic Policy Division
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: pradsadt@doe.nsw.gov.au
Website: <http://www.doe.nsw.gov.au>

Purpose

Data are collected to answer the questions asked in the NSW Parliament, to prepare ministerial submissions for energy policy development and to answer queries from various other government departments, public sector and private sector agencies, energy consultants, academic institutions, research organisations, universities, schools and the general public.

Description

Data are collected from the energy utilities and energy industry on an annual basis. Australian Bureau of Statistics data is also utilised.

Data detail

- manufacturing energy use down to two-digit ANZSIC classification;
- petroleum supply and demand;
- energy supply by fuel type;
- gas production and distribution;
- engineering and financial information for electricity generation and supply;
- carbon dioxide (CO₂) emissions from electricity generation;
- energy use in iron and steel industry;
- energy efficiency data; and
- household energy use.

Geographic coverage

New South Wales.

Frequency of data availability

Annual, monthly, irregular and one-off.

PRODUCTION

Historical data

From 1973 but varies according to collection.

Products and services

Publications

- *Analysis of Energy Use in the NSW Manufacturing Sector*
- *Renewable Sources of Energy — Current and Potential Utilisation, Technology to Application*
- *Engineering and Financial Statistics of Electricity Supply Authorities in NSW*
- *Energy Use in the NSW Commercial Sector*
- *Electricity End Use and CO₂ Emissions: Opportunities for Change*
- *Energy Use in NSW Iron and Steel Industry*
- *Energy Use in Chemicals and Oil Refining Sectors in NSW*
- *Building Energy*
- *Domestic Energy Use in NSW*
- *Energy in NSW*
- *Energy at a Glance*
- *Coal Statistics for NSW*
- *Energy Statistics for NSW*

Internet

- Website: <http://www.doe.nsw.gov.au>

NAME OF COLLECTION

Energy, Western Australian

Contact

Research Officer
 Planning Branch
 Industry Development Division
 Office of Energy
 Level 9 Governor Stirling Tower
 197 St Georges Terrace
 PERTH WA 6000

Telephone: Perth 08 9420 5600
 Facsimile: Perth 08 9420 5700
 Email: enquiries@energy.wa.gov.au
 Website: <http://www.energy.wa.gov.au>

Purpose

The data are collected to compile an accurate view of the Western Australian energy industry covering policy initiatives, resources, production, supply and demand.

Description

The collection contains historical and forecast information on primary energy supply and primary energy use. It covers the petroleum and coal mines, their energy use by sectors and by fuel types (including electricity), details of electricity generation and the installed capacity of public and private generation plant. Information is collected by mail questionnaire from relevant companies who are asked for specific information relating to their operations.

Economic development indicators (exports, population, value of minerals and petroleum production, real Gross State Product (GSP), per capita GSP, primary energy demand per real dollar-GSP) are sourced from Australian Bureau of Statistics and Department of Minerals and Energy, WA.

Data detail

- gas supply and demand;
- primary energy supply and demand;
- energy use by fuel type;
- energy use by sector;
- fossil fuel resources;
- electricity generation;
- electricity consumption by sector;
- electricity supply authorities and locations; and
- carbon dioxide emissions from primary energy use.

PRODUCTION

Geographic coverage

Western Australia.

Frequency of data availability

Annual.

Historical data

From 1973–74. Forecast data to 2010.

Products and services

Publications

- *Energy: Western Australia*

Internet

- Website: <http://www.energy.wa.gov.au>

NAME OF COLLECTION

Fuel and Electricity Survey

Contact

Minerals and Energy Research
Australian Bureau of Agricultural and Resource Economics
(ABARE)
GPO Box 163
CANBERRA ACT 2601

Telephone: Canberra 02 6272 2000
Facsimile: Canberra 02 6727 2328
Website: <http://www.abare.gov.au>
<http://www.abare.gov.au/research/energydata.htm>

Purpose

To collect comprehensive energy consumption and production data to support medium-term projections of the energy sector, and supplement ABARE's detailed energy database.

Description

ABARE's energy data covers all areas of consumption, production and trade in Australian energy products. Data are presented both nationally and by State, in energy and material units, by industry and equipment type. The collection has covered more than 3,000 organisations controlling more than 5,300 establishments.

Method of collection

ABARE conducts the comprehensive fuel and electricity survey of energy market participants every 2 years. The survey covers more than 3,000 organisations and is largely confined to the mining, manufacturing, communication, rail transport, electricity generation sectors and gas production and distribution sectors.

Data detail

- energy supply and disposal;
- energy consumption by industry, by fuel, by equipment type;
- consumption of petroleum products;
- consumption of coal;
- consumption of natural gas;
- consumption of electricity;
- production of primary fuels;
- energy imports, by fuel;
- energy exports, by fuel;
- energy supply and trade, by fuel; and
- petroleum supply and disposal.

PRODUCTION

Geographic coverage

Australia and by State.

Frequency of data availability

Updated every two years.

Historical data

From 1973–74. Some data from 1960–61.

Products and services

Publications

- An ABARE research report has been published biennially for many years. The last publication was *ABARE Research Report 99.4, April 1999*.

Other

- Data disks for Australia and for each State (commercial terms). Custom data requests are also provided (on a fee for service basis).

NAME OF COLLECTION

Fuel and Electricity Survey for New South Wales

Contact

Principal Projects Officer
 Ministry of Energy and Utilities, New South Wales
 PO Box 536
 ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
 Facsimile: Sydney 02 9901 8208
 Email: prasadt@doe.nsw.gov.au
 Website: <http://www.doe.nsw.gov.au>

Purpose

To collect data related to energy use in NSW manufacturing and mining sectors for publications/policy analyses.

Description

Contains NSW manufacturing and mining data on energy use. Data covers 800 large establishments in NSW (By ABARE survey).

Data detail

- manufacturing and mining sector data (1973–74 to 2014–15); and
- forecasts by fuel type, process type, temperature of use, equipment type and by *Australian Standard Industry Classification, 1983* (ASIC) at 2 digit level.

Geographic coverage

NSW.

Frequency of data availability

Every two years.

Historical data

1974 to date.

Products and services

Publications

- Internal reports produced. Unit record data is confidential. 2 digit ASIC end data is available to public.

Other

- Data relating to a regular survey. Data are available on hard copy and in electronic form.

PRODUCTION

NAME OF COLLECTION

Gas Statistics Australia

Contact

Energy Analyst
The Australian Gas Association
GPO Box 323
CANBERRA ACT 2601

Telephone: Canberra 02 6272 1514
Facsimile: Canberra 02 6272 1566
Email: rkolednik@canberra.gas.asn.au
Website: <http://www.gas.asn.au>

Purpose

To collect and disseminate statistics and information on the natural gas industry in Australia.

Description

Publication which provides statistics on natural gas in Australia and the world. Provides information on each sector of the industry and a summary of the industry in each State of Australia. All the companies in the industry are surveyed by mail questionnaires.

Data detail

- world energy and gas;
- Australian energy and gas;
- gas and electricity prices;
- LPG statistics;
- related gas industry statistics;
- gas distribution industry performance indicators;
- New Zealand energy and gas; and
- industry information by sector and State.

Geographic coverage

Australia and States.

Frequency of data availability

Annual.

Historical data

From 1997.

Products and services

Publication

- *Gas Statistics Australia*

Internet

- Website: <http://www.gas.asn.au>

PRODUCTION

NAME OF COLLECTION

Gas Statistics for New South Wales

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au
Website: <http://www.doe.nsw.gov.au>

Purpose

Data are collected to answer the questions asked in the NSW Parliament, to prepare ministerial submissions for energy policy development and to answer queries from various other government departments, public sector and private sector agencies, energy consultants, academic institutions, research organisations, universities, schools and the general public.

Description

Contains technical and financial information for the gas distribution industry in NSW.

Data detail

- gas production and sector data;
- sales;
- revenue;
- customer numbers;
- length of pipelines;
- legislation;
- policy matters;
- Liquefied Petroleum Gas (LPG) statistics;
- information for Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) for transport; and
- long-term natural gas options and future demand.

Geographic coverage

NSW.

Frequency of data availability

Annual.

Historical data

1969 to date.

Products and services

Publications

- Included in various publications.

Other

- Data relating to a regular questionnaire. Data are available on hard copy and in electronic form.

PRODUCTION

NAME OF COLLECTION

**Independent Competition and Regulatory Commission
Collection**

Contact

Head of Secretariat
Independent Competition and Regulatory Commission
GPO Box 975
CIVIC SQUARE ACT 2601

Telephone: Canberra 02 6205 0779

Facsimile: Canberra 02 6207 5887

Website: <http://www.icrc.act.gov.au>

Purpose

The Commission is required to report on its activities under the *Annual Reports (Government Agencies) Act (ACT) 1995*. Under the *Utilities Act 2000* utilities regulated under that Act are also required to provide annual reports to the Commission in relation to the performance of their functions under the Act and their compliance with licence conditions.

Description

The Commission's annual report includes details on investigations, final and special reports, price directions, advice about access agreements and access agreements notified, arbitration disputes.

In future, the report will also include information on the service quality performance of utilities providing electricity, gas, water and sewerage services in the ACT.

Data detail

- service standards (including reliability and quality of supply); and
- response times.

Geographic coverage

Australian Capital Territory (electricity and sewerage).

Australian Capital Territory, Queanbeyan and Yarrowlumla shire (gas).

Australian Capital Territory and Queanbeyan (water).

Frequency of data availability

Annual utilities data from 1 January 2001.

Historical data

Nil.

Products and services

Publications

- *Independent Competition and Regulatory Commission, Annual Report*
- *Price Investigations and Determinations*
- Various other reports

Internet

- Website: <http://www.icrc.act.gov.au>

PRODUCTION

NAME OF COLLECTION

New South Wales Energy Flows

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au

Purpose

A chart (and database) summarising the energy flows, with supply by fuel type and end use by sector and by fuel type.

Description

Contains technical and financial information for the gas distribution industry in NSW.

Data detail

- energy supply by fuel type (oil, gas, coal, electricity and renewables);
- final energy consumption by sector and by fuel type;
- imports;
- exports; and
- stocks and losses.

Geographic coverage

New South Wales.

Frequency of data availability

Annual.

Historical data

1980 to date.

Products and services

Publications

- Included in other publications, such as the annual report and energy use in NSW.

Other

- Data relating to a publication. Available as hard copy and in electronic form.

NAME OF COLLECTION

New South Wales Water Supply and Sewerage Performance Comparisons

Contact

Mr Charles Essery
 Director Urban Water Management
 Department of Land and Water Conservation, New South Wales
 PO Box 3720
 PARRAMATTA NSW 2124

Telephone: Sydney 02 9895 5909
 Facsimile: Sydney 02 9895 5918
 Email: cessery@dlwc.nsw.gov.au
 Website: <http://www.dlwc.nsw.gov.au>

Purpose

The purpose of this data is to provide information on the performance of the 126 NSW non-metropolitan local government water utilities (water and sewerage). The data are presented in report format and allows comparison of trends in performance for a wide range of performance indicators.

Description

The data are collected through voluntary survey. Each of the 126 utilities are requested to complete a mail questionnaire.

Data detail

Data items collected include:

- business characteristics — properties served, number of new connections, number of treatment works and capacity;
- water consumption — annual, peak daily, source usage, unaccounted for water;
- water and sewerage charges — usage, access, average bills, typical developer charges;
- operating, management, treatment, pumping and energy costs, and main costs per property;
- compliance — water quality, effluent Biochemical Oxygen Demand (BOD) and suspended solids in licence;
- biosolids and effluent reuse;
- customer complaints (water quality, service, odour);
- levels of service — customer interruption frequency, duration of interruptions, outage times, number of main breaks, drought water restrictions (% of time), sewage overflows, sewer chokes; and
- financial — revenue, economic real rate of return, return on assets, debt to equity, loan repayments, interest cover.

PRODUCTION

Geographic coverage

Data are available at the State level.

Frequency of data availability

Annual — calendar year.

Historical data

Published performance comparisons reports are available from 1986–1999.

Products and services

Publications

- The performance comparison reports are available at a cost of \$100 each.

Other

- Electronic records of the data are not available.

NAME OF COLLECTION

Non-Major Urban Water Utilities Collection

Contact

Ms Clare Porter
Project Officer
Australian Water Association (AWA)
PO Box 388
ARTARMON NSW 1570

Telephone: Sydney 02 9413 1288
Facsimile: Sydney 02 9413 1047
Email: cporter@awa.asn.au
Website: www.awa.asn.au

Purpose

To report on the performance of small urban water utilities around Australia.

Description

The annual non-major urban water utilities report records the performance and attributes of smaller water utilities across a wide range of physical, business and environmental parameters. Data are collected by a mailed questionnaire to 67 organisations.

Data detail

- population served;
- properties served;
- water supplied;
- waste water collected;
- water quality compliance; and
- sources of water.

Geographic coverage

Local government area and water utility region.

Frequency of data availability

Annual (financial year).

Historical data

Data is available for 1997–98 and 1998–99.

Products and services

Publications

- *Australian Water Association, NMU Performance Monitoring Report, 1998–99*

PRODUCTION

NAME OF COLLECTION

Nuclear Energy Statistics

Contact

Uranium Information Centre
53 Queen Street
MELBOURNE VIC 3000

Telephone: Melbourne 03 9629 7744
Email: vic@peg.apc.org
Website: <http://www.vic.com.au>

Purpose

Provide reliable and up-to-date information on nuclear energy for electricity.

Description

Statistics provided to give information on the Australian uranium industry and its contribution to world energy supplies and the benefits it can bring to Australia. Also provides information on nuclear energy in relation to other sources of energy and especially the environmental implications of each.

Data detail

- uranium production statistics; and
- nuclear energy statistics.

Geographic coverage

International.

Frequency of data availability

Weekly.

Historical data

Available.

Products and services

Publications

- *UIC Weekly News*
- *UIC Newsletter*
- *Nuclear Issues Briefing Papers*

Internet

- Website: <http://www.vic.com.au>

Other

- Reference library of publications and papers.

NAME OF COLLECTION

Office of the Tasmanian Electricity Regulator Collection

Contact

Assistant Director (Regulatory)
Office of the Tasmanian Electricity Regulator
GPO Box 770
HOBART TAS 7001

Telephone: Hobart 03 6233 6323
Facsimile: Hobart 03 6233 5666
Email: otter@treasury.tas.gov.au
Website: <http://www.electricityregulator.tas.gov.au>

Purpose

The Tasmanian Electricity Regulator's Annual Report is published annually to advise the community of electricity supply industry performance in Tasmania.

Description

Information collected from quarterly and annual reports from all electricity companies in Tasmania. Looks at the electricity industry in Tasmania in terms of generation, transmission, distribution and retail performance.

Data detail

- energy generated;
- energy in storage;
- supply interruptions; and
- nature of supply interruptions.

Geographic coverage

Tasmania.

Frequency of data availability

Annual.

Historical data

Annual since 1998-99.

Products and services

Publications

- *Office of the Tasmanian Electricity Regulator, Annual Report*
- An industry performance report (anticipated March 2001, annually thereafter)

Internet

- Website: <http://www.electricityregulator.tas.gov.au>

PRODUCTION

NAME OF COLLECTION

Performance of Regulated Electricity Businesses, South Australia

Contact

Manager
Information and Finance
South Australian Independent Industry Regulator
GPO Box 2605
ADELAIDE SA 5001

Telephone: Adelaide 08 8463 4444
Facsimile: Adelaide 08 8463 4449
Email: sair@saugov.sa.gov.au
Website: <http://www.sair.sa.gov.au>

Purpose

The report assists the South Australian Independent Industry Regulator (SAIIR) to achieve its legislative objectives to monitor and promote improvements in performance. It also informs the South Australian community of the extent to which reform in the electricity supply industry is delivering benefits to the community; compares current performance with performance elsewhere and historically; and how current performance compares with the service standards which formed the basis of the current regulated prices charged by the three entities.

Description

The three electricity supply entities (Electranet (transmission), ETSA Utilities (distribution) and AGL (franchise retail)) are required, under a condition of licence, to provide the SAIIR such information as the SAIIR requires to undertake its regulatory functions in the electricity supply industry.

Data detail

- service standards;
- financial performance;
- reliability standards;
- response times; and
- comparative performance.

Geographic coverage

South Australia.

Frequency of data availability

Monthly, quarterly and annual (depending on data).

Historical data

From June 2000.

Products and services

Publications

- *Performance of Regulated Electricity Businesses*
- *Information Kits*
- *Advisory Bulletins*

Internet

- Website: <http://www.saiir.sa.gov.au>

PRODUCTION

NAME OF COLLECTION

Petroleum Exploration and Production Collection

Contact

Energy Division
Department of Mines and Energy, Northern Territory
GPO Box 2901
DARWIN NT 0801

Telephone: Darwin 08 8999 5248

Facsimile: Darwin 08 8999 5530

Email: Tony.Waite@dme.nt.gov.au

Website: <http://www.dme.nt.gov.au>

Purpose

To collect data about operational activities associated with petroleum exploration and production activities.

Description

The Operations Based Information System (OBIS) database stores data collected under various Commonwealth and Northern Territory Acts. The data are confidential in nature but aggregated reports drawn from the data are published via Annual Reports and Website documents.

Data detail

- employment and injury summaries (collected monthly);
- incidents (collected upon occurrence);
- oil and gas production (quarterly reports);
- wells and seismic information (6-monthly);
- exploration and development expenditure (6-monthly);
- permits, fees and work commitments (6-monthly); and
- oil and gas pipelines.

Geographic coverage

Northern Territory lands and waters, Ashmore and Cartier Islands area (administered on behalf of the Commonwealth).

Frequency of data availability

Various from monthly to quarterly depending on the collection framework. Data are normally available within one month of the end of reporting period.

Historical data

- oil and gas production from August 1983;
- employment and safety statistics from July 1990; and
- wells and seismic (all available from first well and seismic survey in the NT administrated areas).

Products and services

Other

- Excel spreadsheets and Adobe PDF documents are available for download from the Website.

PRODUCTION

NAME OF COLLECTION

Production Statistics

Contact

Executive Director
Australian Petroleum Production and Exploration Association
Limited (APPEA)
GPO Box 2201
CANBERRA ACT 2601

Telephone: Canberra 02 6247 0960
Facsimile: Canberra 02 6247 0548
Email: pgniel@appea.com.au
Website: <http://www.appea.com.au>

Purpose

To provide production figures for the oil and gas exploration and production industry.

Description

The data are derived from information provided by companies producing oil and gas in Australia.

Data detail

- crude oil;
- condensate;
- liquefied petroleum gas (LPG);
- liquefied natural gas (LNG); and
- sales gas.

Geographic coverage

Australia. Statistics are also available by onshore/offshore Australia, State and Territory and basin.

Frequency of data availability

Quarterly. Quarters ended 31 March, 30 June, 30 September and 31 December.

Historical data

From 1960.

Products and services

Publications

- *APPEA Reports* — to June 1999
- *APPEA Flowline Magazine* — quarterly from September 1999

NAME OF COLLECTION

**Reliability of Electricity Supply and Network Area,
New South Wales**

Contact

Strategic Business Analyst
Strategic Planning
Integral Energy
PO Box 6366
BLACKTOWN NSW 2148

Telephone: Sydney 02 9853 4198
Facsimile: Sydney 02 9853 6107
Website: <http://www.integral.com.au>

Purpose

To measure the average number of minutes customers are without supply due to outages and network franchise coverage area.

Description

To measure the average number of minutes customers are without supply due to outages.

Data detail

- total minutes lost per customer; and
- area in square kilometres.

Geographic coverage

NSW.

Frequency of data availability

Annual. Latest available 1998–99.

Historical data

1995–96.

Products and services

Other

- Data available on request.

PRODUCTION

NAME OF COLLECTION

Victorian Energy Networks Corporation Data

Contact

Communications Officer
Communications Division
VENCORP
PO Box 1721
COLLINGWOOD VIC 3066

Telephone: Melbourne 03 9481 9247
Facsimile: Melbourne 03 9481 9142
Email: vencorp@vencorp.vic.gov.au
Website: <http://www.vencorp.com.au>

Purpose

To measure the capabilities of the gas and electricity transmissions systems in Victoria, as well as the gas spot market.

Description

Data collected on the basis of metered flows of both gas and electricity and on plant specifications. The information relates only to a single gas and a single electricity transmission system in Victoria, although some information will go into more details on specific sections of plant within these systems.

Data detail

- actual prices;
- actual linepack;
- aggregated gas quantities;
- ancillary payments;
- details of organisations;
- forecast demand data;
- heating value;
- indicative location prices;
- indicative market price;
- linepack minima;
- linepack scheduled minimum quantities;
- meter data report;
- nominations at scheduled minimum quantities;
- previous offers;
- scheduled quantities;

Data detail *continued*

- scheduled system totals;
- schedule run log;
- scheduled withdrawals; and
- total gas withdrawn.

Geographic coverage

Victoria.

Frequency of data availability

Ranges from hourly to annual.

Historical data

Electricity — 1994 onwards.

Gas — 1982 onwards.

Products and services

Internet

- Website: <http://www.vencorp.vic.gov.au>

Other

- CD ROM

PRODUCTION

NAME OF COLLECTION

**Water and Waste Water Operational Data, Toowoomba
Water and Waste**

Contact

Statistical Reporting Officer
Engineering Department
Toowoomba City Council
PO Box 3021
TOOWOOMBA QLD 4350

Telephone: Brisbane 07 4688 6705
Facsimile: Brisbane 07 4688 6694
Email: d.jarvis@toowoomba.qld.gov.au
Website: <http://www.toowoomba.qld.gov.au>

Purpose

Reporting to Council and other bodies.

Description

Daily data obtained from operators about water and waste water operations for the councils of Toowoomba, Jondaryan, Crow's Nest and Rosalie. Approximately 105,000 persons are connected to Toowoomba's treated water supply.

Data detail

- sewage flows;
- sewage test results;
- sewage performance measures;
- Environment Protection Agency licence compliance assessment for sewage;
- dams;
- city flow meters;
- shire flow meters;
- reservoirs;
- water quality;
- water consumption;
- water production; and
- water connection.

Geographic coverage

Local government area.

Frequency of data availability

Daily.

PRODUCTION

Historical data

From 1994; with some earlier data available.

Products and services

Publications

- *Annual Statistical Report — Engineering Department*

Other

- Electronic data available from 1994 to 2000.

Example of information available

BULK WATER SUPPLY, STORAGE STATISTICS, 1999–2000

	<i>Units</i>	<i>Cooby Dam</i>	<i>Cressbrook Dam</i>	<i>Perseverance Dam and Peachey Reservoir</i>
Production total	ML	975	7 433	2 511
Surface level	m	478	279	446
Evaporation	mm	1 415	1 829	1 138
Evaporation	ML	3 181	7 465	2 047
Rainfall	mm	604	761	740
Rainfall	ML	1 701	3 864	1 652
Usable storage	ML	223 735	71 285	26 479
Storage full	%	80	87	88
Recorded seepage	ML	53 960	35 718	n.a.

PRODUCTION

NAME OF COLLECTION

**Water and Waste Water Performance Statistics,
Gippsland Water**

Contact

Business Services Manager
Gippsland Water
Box 348
TRARALGON VIC 3844

Telephone: Melbourne 03 5177 4744
Facsimile: Melbourne 03 5174 0103
Email: quigleyp@gippswater.com.au
Website: <http://www.gippswater.com.au>

Purpose

To report to the government and community on Gippsland Water operations throughout the year.

Description

Data are collected from internal performance indicators. Gippsland Water provides water to over 130,000 people living in the region. It administers over 57,900 water assessments and over 46,500 waste water assessments with a budget in excess of \$47m.

Data detail

- annual water consumption and number of connections;
- drinking water quality;
- reliability of the water supply;
- bulk water entitlements;
- environmental compliance of waste water treatment plants;
- treated waste water discharges to the environment;
- annual water consumption and waste water discharges of major industry;
- reliability of the waste water system; and
- waste water reuse.

Geographic coverage

Gippsland.

Frequency of data availability

Annual.

Historical data

From 1997–98.

Products and services

Publications

- *Gippsland Water Annual Report*

Internet

- Website: <http://www.gippswater.com.au>

Example of information available

ANNUAL WATER CONSUMPTION AND NUMBER OF CONNECTIONS, Gippsland — 1998–99

	<i>Resi- dential</i>	<i>Resi- dential</i>	<i>Non- resi- dential</i>	<i>Non- resi- dential</i>	<i>Major industry</i>	<i>Other</i>	<i>Total</i>
	<i>ML</i>	<i>no.</i>	<i>ML</i>	<i>no.</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>
Supply system							
Boisdale	7.7	30	3.0	7	—	2.0	12.7
Boolarra	49.8	262	7.5	26	—	10.8	68.1
Briagolong	46.7	240	5.4	21	—	19.4	71.5
Coongulla/Glenmaggie	50.4	380	5.3	9	—	11.2	66.9
Erica/Rawson	49.0	275	11.1	38	—	55.1	115.2
Heyfield	166.6	785	81.9	122	—	48.4	296.9
Maffra/Stratford	526.6	2 499	104.2	305	370.9	302.8	1 304.5
Mirboo North	117.7	606	21.5	95	—	48.0	187.2
			380				
Meo/Newborough(a)	1902.0	9 712	91.6	878	1 943.5	197.6	4 434.7
Moondarra Reservoir(b)	4 485.6	19 814	958.7	2 291	45 485.1	3 860.6	54 790.0
Neerim South	27.0	375	39.9	70	—	23.5	190.4
Noojee	9.4	118	4.0	13	—	11.5	24.9
Warragul/Drouin(c)	1 601.3	7 496	397.0	1 103	698.1	399.9	3 096.3
Willow Grove	33.2	118	1.2	10	—	10.8	45.2
Sale/Wurruk	1 243.2	5 795	391.5	822	118.0	210.0	1 962.7
Seaspray	30.1	313	3.5	13	—	9.9	43.5
Thorpdale	12.5	71	2.7	18	—	17.0	32.2
Toongabbie/Cowwarr	134.7	373	14.2	33	—	51.0	199.9
Total	10 493.5	49 262	2 444.2	5 874	48 615.6	5 289.5	66 942.8

(a) Supplies Moe, Newborough, Trafalgar, Yarragon and Yallourn North. (b) Supplies Churchill, Glengarry, Hazelwood North, Morvell, Rosedale, Traralgon, Traralgon South, Tyers and Yinnar. (c) Supplies Buln Buln, Darnum, Drouin, Nilma, Rokeby and Warragul.

PRODUCTION

NAME OF COLLECTION

Water Use and Sewerage Collection, Mareeba Shire Council

Contact

Manager
Infrastructure
Mareeba Shire Council
PO Box 154
MAREEBA QLD 4880

Telephone: Queensland 07 4030 3900
Facsimile: Queensland 07 4092 5138
Email: ceo@msc.qld.gov.au

Purpose

Operational requirements.

Description

Data are collected from two sewerage schemes and five water supply systems.

Data detail

- water supply; and
- sewage collection.

Geographic coverage

Mareeba Shire.

Frequency of data availability

Daily.

Historical data

Available.

Products and services

Other

- Data available on request.

RESEARCH AND EXPERIMENTAL DEVELOPMENT

NAME OF COLLECTION

Survey of Research and Experimental Development — Businesses

Contact

Assistant Director
Science and Technology Statistics Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5627
Facsimile: Canberra 02 6252 7004
Email: derek.byars@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The statistics enable the nature and distribution of research and development activity by private businesses in Australia to be monitored and analysed by government, business, academics and international organisations.

Description

A collection by mail of all businesses identified as undertaking research and development activity numbering between 5,000 and 6,000.

Data detail

- type of research and development expenditure;
- source of funds for research and development;
- location of research and development expenditure (available at State and Territory level);
- field of research;
- socioeconomic objective (such as energy resources and energy supply);
- type of activity;
- human resources devoted to research and development;
- type of employee engaged in research and development;
- expected research and development expenditure;
- payments for technical know-how; and
- receipts for technical know-how.

Data for the electricity, gas and water supply industries are available on request.

RESEARCH AND EXPERIMENTAL DEVELOPMENT

Geographic coverage

Australia.

Frequency of data availability

Annual.

Reference period

Financial year ended 30 June.

Historical data

1976–77, 1978–79, 1981–82, 1983–84 through to 1998–99.

Products and services

Publications

- *Research and Experimental Development, All Sector Summary, Australia* (Cat. no. 8112.0)
- *Research and Experimental Development, Business Enterprises, Australia* (Cat. no. 8104.0)

Other

- More detailed data are available on request.

USAGE

NAME OF COLLECTION

Commercial Energy Use in New South Wales

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au
Website: <http://www.doe.nsw.gov.au>

Purpose

To study energy use in NSW commercial sector.

Description

Contains NSW commercial sector energy use by sub-sector by fuel type (based on survey of 8,500 establishments in NSW).

Data detail

The data for NSW commercial sector covering 3,000 businesses contains:

- energy use by fuel type;
- energy use by equipment;
- energy use by process; and
- energy use by 2-digit ASIC category.

Geographic coverage

NSW.

Frequency of data availability

Ad hoc.

Historical data

1994–5 data published in 1996 (only one year data).

Products and services

Publications

- *Energy Use in the NSW Commercial Sector*

Other

- Data relating to a survey and publication. Available on hard copy and in electronic form. Raw data are confidential.

USAGE

NAME OF COLLECTION

Community Housing and Infrastructure Needs Survey (CHINS)

Contact

Director
Indigenous General Social Surveys
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 7269
Facsimile: Canberra 02 6252 5281
Website: <http://www.abs.gov.au>

Purpose

The information from the Community Housing and Infrastructure Needs Survey (CHINS) is intended to assist in the evaluation of policies and programs designed to improve housing and infrastructure services for Aboriginal and Torres Strait Islander people living in discrete communities and other community-managed housing.

Description

Although called a survey, the CHINS was a complete enumeration (census) of all Indigenous housing organisations and discrete Indigenous communities. This included organisations and communities located in urban and sparsely settled areas in all States and Territories.

The CHINS collected information from Indigenous housing organisations, including the number and condition of their housing stock, the number of bedrooms, amount of rent collected and expenditure on repairs and maintenance; and discrete communities, including housing and related infrastructure, such as water and power supply, sewerage systems, drainage and roads. Access to health, education and other services was also included.

Data detail

Community items:

- community population and facilities;
- water source, restrictions and water testing;
- power source and interruptions;
- sewerage system, overflows;
- waste disposal;
- drainage;

Data detail *continued*

- road and air access, telephone access;
- access to education and health services; and
- community housing.

Housing items:

- source of funds;
- rent levels; and
- maintenance expenditure.

Housing stock details include:

- number of locations;
- dwelling structure;
- number of bedrooms;
- dwelling condition; and
- unoccupied dwellings.

Geographic coverage

Data from the CHINS are available at the National, State and ATSI region (99) and ABS derived ATSI region (96).

Frequency of data availability

1999 and 2001.

Reference period

The survey collects point in time data over a three month period from March to May in the year of collection.

Historical data

1999.

Products and services

Publications

- *Housing and Infrastructure in Aboriginal and Torres Strait Islander Communities, Australia, 1999* (Cat. no. 4710.0)

Other

- CHINS data dictionary.
- ATSI regional profiles.
- Unit record file for communities.
- Unit record file for housing organisations.

USAGE

Products and services *continued*

- Technical paper for the unit record file.
- Community profiles.
- Housing organisation profiles.
- Customised tables (on request).

Example of information available

MAIN SOURCE OF ELECTRICITY SUPPLY, DRINKING WATER AND SEWERAGE SYSTEM BY
COMMUNITY SIZE, All Communities — 1999

	Communities with a population of					Total	Reported population
	Less than 20	20–49	50–99	100–199	200 or more		
Type of electricity supply							
State grid	44	61	50	60	66	281	47 408
Community generators	85	70	30	33	81	299	50 990
Domestic generators	241	89	12	—	—	342	5 615
Solar	83	43	4	1	—	131	2 321
Solar hybrid	62	21	5	1	2	91	1 994
Other source	2	2	—	1	—	5	212
<i>All communities with electricity supply</i>	517	286	101	96	149	1 149	108 540
No electricity supply	118	13	1	1	—	133	1 378
Type of water supply							
Town supply	26	43	30	52	33	184	19 814
Bore water	407	204	58	38	84	791	63 942
Rain water tank	73	20	11	3	12	119	5 961
River or reservoir	59	14	3	4	18	98	18 571
Well or spring	48	14	—	—	2	64	1 363
Other organised supply	11	1	—	—	—	12	148
<i>All communities with an organised supply</i>	624	296	102	97	149	1 268	109 799
No organised water supply	14	2	—	—	—	16	115
Type of sewerage system							
Town system	4	13	16	28	27	88	n.a.
Community waterborne	2	4	10	14	64	94	n.a.
Septic—common effluent	33	22	19	22	26	122	n.a.
Septic—leach drain	320	160	33	28	26	567	n.a.
Pit toilet	195	81	20	3	—	299	n.a.
Other systems	7	7	—	2	6	22	n.a.
<i>All communities with a sewerage system</i>	561	287	98	97	149	1 192	n.a.
No sewerage system	60	9	2	—	—	71	n.a.
All communities(a)	644	299	102	97	149	1 291	109 994

(a) Including 'not stated'.

NAME OF COLLECTION

Energy Flows and Energy Consumption, South Australia

Contact

Energy Project Officer
Office of Energy Policy
Level 19 Wakefield House
30 Wakefield Street
ADELAIDE SA 5000

Telephone: Adelaide 08 8226 5501
Facsimile: Adelaide 08 8226 5523
Email: pedler.mark@saugov.sa.gov.au

Purpose

To examine energy demand in South Australia.

Description

Energy use data for all South Australian government agencies and organisations are collected in two ways. Direct billing data are received directly from the respective utilities, while cross charge data are supplied through the agencies themselves. Both are supplied in electronic format.

A major industry questionnaire is conducted every three years to determine energy supply and end use by type and sector.

Data detail

South Australian government agencies:

- electricity use;
- gas use;
- expenditure on electricity;
- petroleum usage;
- expenditure on petroleum products; and
- individual account details.

South Australian industry:

- electricity use and supply;
- gas use and supply;
- coal use and supply;
- wood use and supply;
- primary energy supply; and
- energy end use.

USAGE

Geographic coverage

South Australia.

Frequency of data availability

Quarterly for government agencies and 3-yearly for industry.

Historical data

Direct billing data has been collected since 1994. Cross charge information will be available from 1999–2000.

Products and services

Publications

- *SA Government Annual Energy Report*

NAME OF COLLECTION

Household Expenditure Survey

Contact

Assistant Director
Income, Expenditure and Housing Section
Australian Bureau of Statistics
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 6174
Facsimile: Canberra 02 6252 6870
Email: client.services@abs.gov.au
Website: <http://www.abs.gov.au>

Purpose

The Household Expenditure Survey (HES) collects information about household income and expenditure. Specifically the purpose of the survey is to:

- identify the net levels and patterns of expenditure of Australian private households on a comprehensive range of goods and services purchased for private use;
- determine how these levels and patterns vary according to income levels and other characteristics of households, such as size and composition; and
- location and principal sources of cash income.

Description

The HES collects detailed information about the expenditure, income and household characteristics of a sample of households resident in private dwellings throughout Australia.

The 1998–99 survey comprised a sample of 6,893 households. Information on income, personal and household characteristics and irregular or infrequent expenditure are collected by personal interview. In addition, household members keep diaries in which they record all their expenditure during a 2-week period.

Data detail

Weekly household expenditure by all or a specific group of households (e.g. households in a particular State) on detailed items within the following broad categories:

- current housing costs (selected dwelling);
- domestic fuel and power;
- food and non-alcoholic beverages;
- alcoholic beverages;

USAGE

Data detail *continued*

- tobacco products;
- clothing and footwear;
- household furnishings and equipment;
- household services and operation;
- medical care and health expenses;
- transport;
- recreation;
- personal care; and
- miscellaneous goods and services.

Within the domestic fuel and power category, detail is available on household expenditure on electricity, mains gas, bottled gas, heating oil and wood for fuel. Within the current housing costs category, detail is available on household expenditure on water and sewerage rates.

Geographic coverage

Data from the Household Expenditure Survey are available at the National, State and capital city/other urban/rural level.

Frequency of data availability

The HES is conducted about every five years. The latest survey was conducted from July 1998 to June 1999.

Reference period

Reference period varies from previous two years in the case of purchase of dwelling to next two weeks in the case of diary items such as food.

Historical data

Data are available for 1974–75, 1975–76, 1984, 1988–89, 1993–94 and 1998–99.

Note: Data for 1974–75 were collected from households in capital cities only (excluding Darwin). Data for subsequent surveys were collected from households in capital city, other urban and rural areas. The first two surveys collected information on fewer goods and services than those from 1984 and subsequent surveys.

Products and services

Publications

- *Household Expenditure Survey, Australia: User Guide* (Cat. no. 6527.0)
- *Household Expenditure Survey, Australia: Summary of Results* (Cat. no. 6530.0)
- *Household Expenditure Survey, Australia: Detailed Expenditure Items* (Cat. no. 6535.0)

Other

- *Household Expenditure Survey, Australia: Confidentialised Unit Record File (CURF)*, on CD ROM (Cat. no. 6544.0.30.001).
- Special data services are available upon request.

Example of information available

AVERAGE WEEKLY HOUSEHOLD EXPENDITURE ON SELECTED FUEL, POWER AND WATER SUPPLY ITEMS BY QUINTILE GROUP(a), Australia

	Lowest 20%	Second quintile	Third quintile	Fourth quintile	Highest 20%	All households
	\$	\$	\$	\$	\$	\$
Electricity (selected dwelling)	9.34	11.50	12.72	14.18	16.57	12.86
Mains gas (selected dwelling)	2.29	2.65	3.51	4.01	4.77	3.44
Bottled gas — excl. gas for BBQs (selected dwelling)	0.46	0.83	0.61	0.77	0.59	0.65
Heating oil (selected dwelling)	0.22	0.21	0.09	0.16	0.20	0.18
Kerosene and paraffin, wood for fuel and fuels, n.e.c.	0.54	0.67	0.79	0.72	0.95	0.72
Water and sewerage rates and charges (selected dwelling)	3.89	4.55	5.71	6.92	8.50	5.91

(a) The quintile groups in this table are 20% groupings of the estimated population when households are ranked in ascending order according to each household's total gross weekly income.

USAGE

NAME OF COLLECTION

Manufacturing Energy Use in New South Wales

Contact

Principal Projects Officer
Ministry of Energy and Utilities, New South Wales
PO Box 536
ST LEONARDS NSW 1590

Telephone: Sydney 02 9901 8813
Facsimile: Sydney 02 9901 8208
Email: prasadt@doe.nsw.gov.au

Purpose

For publication and policy analysis. Analysis of ABARE and ABS data for NSW manufacturing sector.

Description

Contains technical and financial information by 2-digit *Australian Standard Industrial Classification, 1983* (ASIC) subsections 21, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34.

Data detail

- energy use by fuel type, by equipment by ASIC category;
- energy prices;
- energy intensity;
- price elasticity; and
- other data including greenhouse gas emissions.

Geographic coverage

NSW.

Frequency of data availability

Ad hoc.

Historical data

1973–74 to 1995–96. Forecasts to 2010.

Products and services

Publications

- *Analysis of Energy Use in the NSW Manufacturing sector*

Other

- Data relating to database/publication/survey. Data are available on hard copy and in electronic form. Raw data are confidential.

NAME OF COLLECTION

National Electricity Market Statistics

Contact

Project Leader
 National Electricity Code Administrator Limited
 Level 5
 41 Currie Street
 ADELAIDE SA 5000

Telephone: Adelaide 08 8213 6308
 Facsimile: Adelaide 08 8213 6300
 Email: padams@neca.com.au
 Website: <http://www.neca.com.au>

Purpose

To educate stakeholders on market trends.

Description

Analysis of trading data of participants and end-users in the national electricity market.

Data detail

- market trends;
- average price and demand;
- ancillary service costs;
- inter-regional transfers;
- variations between forecast and actual price;
- rebidding; and
- reserves.

Geographic coverage

The States of QLD, NSW, ACT, VIC and SA.

Frequency of data availability

Quarterly.

Historical data

Quarterly from September quarter 1999.

Products and services

Internet

- The statistical digest is available on the Internet:
<http://www.neca.com.au>

USAGE

Example of information available

NUMBER OF OCCURRENCES — SPOT PRICE RANGE, Regions — September 2000

<i>Price per MWh</i>	<i>New South Wales</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Snowy</i>	<i>Victoria</i>
\$0-\$10	13	1	12	25	35
\$11-\$20	703	1 558	434	684	663
\$21-\$30	605	904	428	550	539
\$31-\$40	1 082	650	777	1 037	766
\$41-\$50	694	427	855	760	777
\$51-\$75	1 031	480	1 164	1 049	1 134
\$76-\$100	231	191	510	253	380
\$101-\$150	37	123	193	38	95
\$151-\$200	5	34	15	5	9
\$201-\$500	5	35	10	5	7
\$500+	10	13	18	10	11

NAME OF COLLECTION

Sydney Bulk Raw Water Supply and Availability

Contact

System Planning Manager
Bulk Water Division
Sydney Catchment Authority
PO Box 323
PENRITH NSW 2751

Telephone: Sydney 02 4725 2100
Facsimile: Sydney 02 4725 2520
Email: hotline@sca.nsw.gov.au
Website: <http://www.sca.nsw.gov.au>

Purpose

To determine water supplied for billing purposes and to determine the water available to meet customer demands. To measure water quality.

Description

The information is collected through daily monitoring of flow meter gauge to determine water used; water level gauging in Warragamba Dam, Blue Mountains dams, Prospect Reservoir, Shoalhaven dams and metropolitan dams; and water quality monitoring. Records are also kept of streamflows and rainfall data.

Data detail

- water supplied;
- water storage availability;
- water quality; and
- streamflows and rainfall data.

Geographic coverage

The catchment spans 16,000 sq km surrounding the Sydney greater metropolitan area.

Frequency of data availability

Daily for bulk water data.

Historical data

From 1960.

Products and services

Internet

- Website: <http://www.sca.nsw.gov.au>

USAGE

NAME OF COLLECTION

Water Use Survey

Contact

Administrative Officer (Irrigation Schemes)
Rivers and Water Supply Commission
Department of Primary Industries, Water and Environment,
Tasmania
GPO Box 44a
HOBART TAS 7000

Telephone: Hobart 03 6233 3658
Facsimile: Hobart 03 6233 6249
Website: <http://www.dpiwe.tas.gov.au>

Purpose

To identify crops grown in the area and water application quantity.

Description

Information taken from order forms collected by scheme operators from all irrigators in the district irrigation scheme.

Data detail

- crops;
- water used; and
- land area.

Geographic coverage

Boundaries of the Rivers Water Scheme are Cressy/Longford (119), Winnaleah (60) and South East Districts (134).

Frequency of data availability

Annual.

Historical data

Available from 1990–91 onwards.

Products and services

Publications

- *Rivers Water Supply Commission Annual Reports*
- *RWSC Annual Report*

Internet

- Website: <http://www.dpiwe.tas.gov.au>

Example of information available

LICENSED WATER EXTRACTIONS FOR THE MAJOR RIVER BASINS, Tasmania		
	Summer extractions	Winter extractions
	ML/year	ML/year
River Basin		
Flinders — Cape Barren Islands	—	533
East Coast	2 472	11 140
Coal River	9	1 416
Derwent River	115 631	23 986
Kingston Coast	5 550	862
Huon River	10 649	920
South West Coast	—	274
Gordon River	—	—
King Henry Rivers	2 942	428
Pieman River	—	—
Sandy Cape Coast	—	—
Arthur River	16 060	5 556
King Island	5	225
Smithton — Burnie Coast	47 888	27 543
Forth River	3 523	1 439
Mersey River	6 910	5 173
Rubicorn River	808	7 883
Tamar River	14 397	31 767
Piper-Ringarooma Rivers	54 718	8 934
Total	282 562	128 078

AUSTRALIAN BUREAU OF STATISTICS SERVICES

INTRODUCTION

The Australian Bureau of Statistics (ABS) is Australia's official statistical organisation. The Bureau assists and encourages informed decision-making, research and discussion within governments and the community, by providing a high quality, objective and responsive national statistical service.

Some of the services provided by the ABS include:

- ABS subscriptions;
- ABS bookshops;
- mail order service;
- library access to ABS information;
- CPI Infoline;
- Dial-a-statistic;
- on-line access via AusStats;
- consultancy services; and
- ABS web site.

ABS SUBSCRIPTIONS

Clients who would like to receive information from the ABS on a regular basis, or who need to amend their existing subscription details, should contact the ABS subscription service on 1300 366 323. (Note that calls are charged at local call rates, apart from calls from mobile phones which are charged at the applicable mobile rates.)

ABS BOOKSHOPS

ABS bookshops in each capital city carry a wide range of ABS products. The address, telephone number and facsimile number for bookshops in all ABS offices can be found under 'ABS Offices and Contact Numbers' at the end of this section.

MAIL ORDER SERVICE

ABS products can be mailed directly to you. Orders may be placed by either telephone, email, or facsimile. The national mail order service contact number is Canberra 02 6252 5249. The address and facsimile number for the mail order service can be found under 'ABS Offices and Contact Numbers' at the end of this section.

LIBRARY ACCESS TO ABS INFORMATION

ABS publications are available for reference at many public and tertiary libraries, the National Library and State libraries. More information is available on the ABS web site at www.abs.gov.au. Public access to ABS libraries in each capital city is available on a self-help basis.

CPI INFOLINE — 1902 981 074

This recorded message service provides current and historical consumer price index data. (Call cost is 75c per minute. Calls from mobile phones are charged at the applicable mobile rates.)

DIAL-A-STATISTIC — 1900 986 400

This recorded message service provides the latest statistics for the consumer price index, national accounts, balance of payments, labour force, average weekly earnings and other topics. (Call cost is 75c per minute. Calls from mobile phones are charged at the applicable mobile rates.)

ON-LINE ACCESS VIA AUSSTATS

Subscribe to AusStats (Cat. no. 1401.0) and have 24-hour on-line access to the latest time series information from the ABS. Over 90,000 series are available, often with 15 years or more historical data. AusStats is also updated daily at 11.30 a.m. EST.

CONSULTANCY SERVICES

When you need to engage professional, timely and objective statistical consultancy services, first consider the range of services available from the ABS. The ABS houses Australia's largest and most comprehensive range of statistical data and has a wide range of specialist experts on hand to help you with your information and statistical needs.

This expertise can be found in the form of:

- demographers;
- mathematical statisticians;
- national and international accountants;
- geographers;
- professional librarians;
- survey designers;
- time series and seasonal adjustment analysts; and
- experts in all ABS social and economic statistics.

CONSULTANCY SERVICES *continued*

Our consultants will assist you by accessing the full range of ABS information including published and unpublished statistics on industry and business, agriculture, international trade, finance, population census, health, welfare and much more.

In addition, our consultants can analyse data for you as well as model or massage it to help meet your information needs. If the data does not exist, we can provide methodological advice on how you can obtain it.

A limited amount of ABS information that is readily and quickly available can be provided free. However, most consultancies are provided on a fee-for-service basis.

Phone or fax your local ABS office to talk to a consultant (see the contact details under 'ABS Offices and Contact Numbers' near the end of this section), or visit the ABS web site (www.abs.gov.au) where you will be able to find a range of ABS information. You can email client.services@abs.gov.au with your consultancy requests.

ABS WEB SITE

For more information on the ABS and the products and services available visit our web site at www.abs.gov.au

Have you visited the ABS web site yet? With around 1 million hits per month the ABS web site is proving to be a very popular Australian site.

Updated daily, the ABS web site provides statistics on many aspects of Australia and Australians. Free information available includes Australia Now: a statistical profile of Australia, information papers, news, publication release advices, summary data from the 1996 census, key economic and social statistics, links to other agencies and much more!

What's hot on the ABS web site

- Australia Now;
- Census 1996 data;
- main findings from many ABS surveys;
- catalogue of publications and products; and
- media releases.

While on the ABS web site take the time to view:

- *Products and services page* — keeps you up to date with product samples, promotional material and ordering information on a selection of paper and electronic products and services available for purchase.
- *Key national indicators table* — this is a summary table of Australia's major economic and social indicators including the latest consumer price index, gross domestic product, unemployment rate, retail trade, building approvals, average weekly earnings, estimated resident population, new motor vehicle registrations and company profits.

Questions or comments?

If you have any questions or comments about our web site, or simply need help to find something, you can email the ABS at client.services@abs.gov.au

ABS OFFICES AND CONTACT NUMBERS

For further information

National Information Service
Phone 1300 135 070
Facsimile 1300 135 211

ABS Mail Order Service
PO Box 10
BELCONNEN ACT 2616

Telephone: Canberra 02 6252 5249
Facsimile: Canberra 02 6252 6778

NEW SOUTH WALES	5th Floor St Andrews House Sydney Square SYDNEY NSW 2000 GPO Box 796 SYDNEY NSW 1041	Inquiries Sydney 02 9268 4611 Bookshop Sydney 02 9268 4620 Facsimile Sydney 02 9268 4668
VICTORIA	Level 5 CGU Tower 485 La Trobe Street MELBOURNE VIC 3000 GPO Box 2796Y MELBOURNE VIC 3001	Inquiries Melbourne 03 9615 7755 Bookshop Melbourne 03 9615 7755 Facsimile Melbourne 03 9615 7798
QUEENSLAND	18th Floor 313 Adelaide Street BRISBANE QLD 4000 GPO Box 9817 BRISBANE QLD 4001	Inquiries Brisbane 07 3222 6351 Bookshop Brisbane 07 3222 6350 Facsimile Brisbane 07 3222 6283

WESTERN AUSTRALIA	Level 16, Exchange Plaza 2 The Esplanade PERTH WA 6000 GPO Box K881 PERTH WA 6842	Inquiries Perth 08 9360 5140 Bookshop Perth 08 9360 5307 Facsimile Perth 08 9360 5955
SOUTH AUSTRALIA	7th Floor Commonwealth Centre 55 Currie Street ADELAIDE SA 5000 GPO Box 2272 ADELAIDE SA 5001	Inquiries Adelaide 08 8237 7400 Bookshop Adelaide 08 8237 7582 Facsimile Adelaide 08 8237 7566
TASMANIA	Ground Floor 200 Collins Street HOBART TAS 7000 GPO Box 66A HOBART TAS 7001	Inquiries Hobart 03 6222 5800 Bookshop Hobart 03 6222 5800 Facsimile Hobart 03 6222 5995
NORTHERN TERRITORY	7th Floor AANT Building 81 Smith Street DARWIN NT 0800 GPO Box 3796 DARWIN NT 0801	Inquiries Darwin 08 8943 2111 Bookshop Darwin 08 8943 2110 Facsimile Darwin 08 8981 1218
AUSTRALIAN CAPITAL TERRITORY	Level 5 QBE Insurance Building 33-35 Ainslie Avenue CIVIC ACT 2601 PO Box 10 BELCONNEN ACT 2616	Inquiries Canberra 02 6252 6627 Bookshop Canberra 02 6207 0326 Facsimile Canberra 02 6207 0282

LIST OF ABBREVIATIONS, ACRONYMS AND OTHER USAGES

ABARE	Australian Bureau of Agricultural and Resource Economics
ABS	Australian Bureau of Statistics
AGO	Australian Greenhouse Office
ANZSIC	Australian and New Zealand Standard Industrial Classification
APPEA Ltd	Australian Petroleum Production and Exploration Association Limited
ASCO	Australian Standard Classification of Occupations
ASIC	Australian Standard Industrial Classification
ATO	Australian Taxation Office
ATSIC	Aboriginal and Torres Strait Islander Commission
AusStats	Web-based Publications and Time Series Data Service (ABS)
AWA	Australian Water Association
AWE	Average Weekly Earnings
BES	Business Expectations Survey
BOD	Biochemical Oxygen Demand
CD	Census Collection District
CHINS	Community Housing and Infrastructure Needs Survey
CNG	Compressed Natural Gas
CPI	Consumer Price Index
CSV	Comma Separated Value
DEWRSB	Department of Employment, Workplace Relations & Small Business
EAS	Economic Activity Survey
EEH	Employee Earnings and Hours
EP	Environmental Protection

LIST OF ABBREVIATIONS, ACRONYMS AND OTHER USAGES *continued*

ESAA	Electricity Supply Association of Australia
GSP	Gross State Product
GST	Goods and Services Tax
HES	Household Expenditure Survey
ISO	Investigations and Statistical Output
IT	Information Technology
LCI	Labour Cost Index
LFS	Labour Force Survey
LNG	liquefied natural gas
LPG	liquefied petroleum gas
NCP	National Competition Policy
NEM	National Electricity Market
NEMMCO	National Electricity Market Management Company Limited
NLWRA	National Land and Water Resources Audit
NOHSC	National Occupational Health & Safety Commission
OBIS	Operations Based Information System
PDF	page definition format
SD	Statistical Division
SLA	Statistical Local Area
TPS	training practices survey
WCI	Wage Cost Index

INDUSTRY INDEX

DATA SOURCES BY INDUSTRY

Electricity

General	1-3
Education and training	4-14
Employment	15-57
Environment	61-63, 67-68
Financial performance	71-79, 80-84, 87-88
Innovation and technology.	94-97
International investment and trade	98-99
National accounts	100-111
Prices	112-117
Production.	120-137, 140-142, 147-149, 153-155
Research and experimental development	161-162
Usage.	163-174

Gas

General	1-3
Education and training	4-14
Employment	15-17, 20-57
Environment	61-63, 67-68
Financial performance	71-79, 80-84, 87-88
Innovation and technology.	94-97
International investment and trade	98-99
National accounts	100-111
Prices	112-115
Production.	127-139, 140-142, 150-152, 154-155
Research and experimental development	161-162
Usage.	163, 167-172

INDUSTRY INDEX

Water

General	1-3
Education and training	4-14
Employment	15-17, 20-57
Environment	58-70
Financial performance	71-76, 80-82, 85-93
Innovation and technology.	94-97
International investment and trade	98-99
National accounts	100-111
Prices	112-115
Production.	118-119, 140-141, 143-146, 156-160
Research and experimental development	161-162
Usage	164-166, 169-171, 175-177

Sewerage

General	1-3
Education and training	4-14
Employment	15-17, 20-57
Environment	58-63, 67-68
Financial performance	71-76, 80-82, 87-93
Innovation and technology.	94-97
International investment and trade	98-99
National accounts	100-111
Prices	112-115
Production.	140-141, 143-146, 156-160
Research and experimental development	
Usage	164-166, 169-171

CONTRIBUTOR AND DATA SOURCES INDEX

CONTRIBUTOR	DATA SOURCES	PAGE
Australian Bureau of Statistics	Aspects of Literacy, Survey of	4
	Australian National Accounts: Volume Measures	100
	Australian National Accounts: Input-Output Tables	102
	Australian National Accounts: Quarterly National Income, Expenditure and Product	104
	Australian System of National Accounts	106
	Average Weekly Earnings Survey	15
	Business Expectations Survey	71
	Business Register Counts	1
	Community Housing and Infrastructure Needs Survey (CHINS)	164
	Consumer Price Index	112
	Economic Activity Survey	74
	Education and Training, Survey of	7
	Electricity and Gas Operations, Census of	77
	Employee Earnings and Hours, Survey of	20
	Employer Training Practices Survey	10
	Employment and Earnings, Survey of	23
	Energy Account for Australia	108
	Engineering Construction Survey	80
	Environment and Natural Resources Survey	58
	Environmental Issues Survey (Energy)	61
	Environmental Issues Survey (Water)	64
	Household Expenditure Survey	169
	Industrial Disputes	26
	Information Technology Survey — Business Enterprises	94
	International Investment, Survey of	98
	Inventories, Sales and Services, Survey of	83
	Job Vacancy Survey	29
	Labour Force Survey	31
	Labour Force Survey — Supplementary Surveys	35
	Major Labour Costs Survey	38
	Survey of Research and Experimental Development — Businesses ..	161
	Training Expenditure Survey	12
	Wage Cost Index	40
Water Account for Australia	110	
Water and Sewerage Survey	91	
Year 2000 Problem	96	

CONTRIBUTOR AND DATA SOURCE INDEX

CONTRIBUTOR	DATA SOURCES	PAGE
Australian Bureau of Agricultural and Resource Economics	Fuel and Electricity Survey	133
The Australian Gas Association	Gas Statistics Australia	136
Australian Greenhouse Office	National Greenhouse Gas Inventory	67
Australian Petroleum Production and Exploration Association Limited	Production Statistics	152
Australian Taxation Office	Taxation Statistics	87
Australian Water Association	Non-Major Urban Water Utilities Collection	145
Department of Infrastructure, Energy and Resources, Workplace Standards Tasmania	Workers' Compensation Statistical Collection, Tasmania	50
Department of Land and Water conservation, New South Wales	New South Wales Water Supply and Sewerage Performance Comparisons	143
Department of Mines and Energy, Northern Territory	Petroleum Exploration and Production Collection	150
Department of Primary Industries, Water and Environment, Tasmania	Water Use Survey	176
Electricity Supply Association of Australia	Electricity Australia	121
Gippsland Water	Water and Waste Water Performance Statistics, Gippsland Water	158
Goulburn-Murray Water	Irrigation Water Delivery Data and Irrigated Farm Census	85
Independent Competition and Regulatory Commission	Independent Competition and Regulatory Commission Collection . .	140
Independent Pricing and Regulatory Tribunal	Independent Pricing and Regulatory Tribunal of New South Wales Collection	114
Integral Energy	Reliability of Electricity, Supply and Network Area, New South Wales	153
Mareeba Shire Council	Water Use and Sewerage Collection, Mareeba Shire Council	160

CONTRIBUTOR AND DATA SOURCE INDEX

CONTRIBUTOR	DATA SOURCES	PAGE
Ministry of Energy and Utilities, New South Wales	Coal Statistics for New South Wales	120
	Commercial Energy Use in New South Wales	163
	Electricity Statistics for New South Wales	125
	Energy Statistics for New South Wales	127
	Energy Use in New South Wales	129
	Fuel and Electricity Survey for New South Wales	135
	Gas Statistics for New South Wales	138
	Manufacturing Energy Use in New South Wales	172
National Electricity Code Administrator Limited	National Electricity Market Statistics	173
	NEMMCO Market Management System	116
National Occupational Health and Safety Commission	Work Related Traumatic Fatalities in Australia	44
National Land and Water Resources Audit	Australian Natural Resources Atlas	69
Office of Energy	Energy, Western Australia	131
Office of Energy Policy	Energy Flows and Energy Consumption, South Australia	167
Office of the Chief Electrical Inspector	Electrical Incident Database, Victoria	18
Office of the Regulator-General, Victoria	Electricity Distribution Businesses, Victoria	123
Office of the Tasmanian Electricity Regulator	Office of the Tasmanian Electricity Regulator Collection	147
South Australian Independent Industry Regulator	Performance of Regulated Electricity Businesses, South Australia ...	148
SunWater	Annual Water Statistics	118
Sydney Catchment Authority	Sydney Bulk Raw Water Supply and Availability	175
Toowoomba City Council	Water and Waste Water Operational Data, Toowoomba Water and Waste	156
Uranium Information Centre	Nuclear Energy Statistics	146

CONTRIBUTOR AND DATA SOURCE INDEX

CONTRIBUTOR	DATA SOURCES	PAGE
VENCorp	Victorian Energy Networks Corporation Data	154
Victorian WorkCover Authority	Workers' Compensation Statistical Collection, Victoria.	53
Water Services Association of Australia	The Australian Urban Water Industry Collection — WSAA facts	89
WorkCover, ACT	Workers' Compensation Statistical Collection, Australian Capital Territory.	48
WorkCover, WA	Workers' Compensation Statistical Collection, Western Australia.	55
WorkCover Corporation	Workers' Compensation Statistical Review, South Australia	46
Workplace Standards Tasmania	Workers' Compensation Statistical Collection, Tasmania	50

SUBJECT INDEX

SUBJECT	ITEM	PAGE
Aboriginal and Torres Strait Islander people	.....	164-6
accidents, occupational	.....	18-19, 46-52, 150-1
acquisitions/purchases	.....	58-60, 77-9, 91-3, 125-6
affordability	<i>see prices</i>	
age of employees	.....	31-4
	income	20-2
	health and safety	44-5, 53-7
agriculture	.....	69-70
	water use	85-6, 118-19, 176-7
air	.....	58-60
air access, to Indigenous communities	.....	164-6
airport runways, construction of	.....	80-2
alcohol levels, in work related traumatic fatalities	.....	44-5
ambient air, protection of	.....	58-60
appliances	.....	61-6
Ashmore and Cartier Islands area	.....	150-1
assets	.....	74-6, 91-3, 125-6
	debt to	77-9
	disposal of	58-60
	<i>see also sales</i>	
	foreign financial	98-9
	return on	77-9, 89-90, 143-4
Australian Capital Territory	.....	48-9, 116-17, 140-1, 173-4

SUBJECT INDEX

SUBJECT	ITEM	PAGE
average weekly earnings		15–17
back injuries		46–9
bathing water		64–6
biodiversity		58–60
birthplace of employees		31–4
body stressing		46–9
bridges		80–2
building and construction		80–2
business averages		74–6
business expectations		71–3
business energy usage		163
business research and development		161–2
business size		1–3, 35–8
	employee earnings	20–2
	information technology penetration	94–5
	labour costs	38–9
businesses, number of		1–3, 74–9, 123–4, 131–2
capital expenditure		71–6, 123–4
	environment protection and natural resource management activities	58–60
	on information technology	94–5
	water and sewerage industry	91–3
capital stock		106–7
carbon dioxide emissions		129–32
casual workers		35–7
catchment health		69–70
climate		58–60
	greenhouse gas emissions	67–8, 129–32, 172

SUBJECT INDEX

SUBJECT	ITEM	PAGE
clothes washing, water temperature of		61-2
coal	133-4, 120, 127-8, 142, 167-8	
engineering construction		80-2
commercial sector energy usage		163
community housing		164-6
compensation of employees	<i>see labour costs</i>	
complaints by customers	123-4, 143-4	
compressed natural gas (CNG)		138-9
computers and computing		94-7
condensate		152
construction		80-2
Consumer Price Index (CPI)		112-13
consumption		
coal	127-8, 133-4, 142, 167-8	
electricity	121-2, 125-8, 131-4, 142, 167-8, 173-4	
energy	108-9, 127-30, 131-5, 142, 163, 167-8, 172-4	
gas	127-8, 133-4, 142, 167-8	
petroleum	127-8, 133-4, 142, 167-8	
water	110-11, 143-4, 156-9, 175	
for irrigation	85-6, 118-19, 176-7	
crops	85-6, 176	
Crow's Nest		156-7
crude oil	<i>see petroleum</i>	
cultural heritage		58-60
customer complaints	123-4, 143-4	
customer service	123-4, 143-4, 148-9	

SUBJECT INDEX

SUBJECT	ITEM	PAGE
customers		
	electricity	121-2, 125-6
	gas	138
	irrigation	118-19
	water and sewerage	89-90, 143-4, 158-9
deaths, occupational	.....	18-19, 44-52
debt to assets/equity	.....	77-9, 143-4
disability status, and literacy	.....	4-6
disputes, industrial	.....	26-8
document literacy	.....	4-6
drainage	<i>see water, sewerage and drainage</i>	
drainage re-use systems	.....	85-6
drug levels, in work related traumatic fatalities	.....	44-5
dryland salinity	.....	69-70
dual flush toilets	.....	64-6
earnings	<i>see income</i>	
ecosystem health	.....	69-70
education and training	.....	4-14, 31-3
	Indigenous community access to	164-6
educational attainment (qualifications)	.....	4-9

SUBJECT INDEX

SUBJECT	ITEM	PAGE
electricity	.....	1-3, 77-9, 121-35, 140-2, 147-9, 153-5
	engineering construction	80-2
	greenhouse gas emissions from production	67-8
	gross value added	100-1
	health and safety	18-19
	household expenditure on	169-71
	Indigenous communities	164-6
	prices	112-17, 121-4, 136-7, 140-1, 154-5, 173-4
electricity and gas supply	.....	23-5, 38-9, 53-4, 83-4
employers		
	payroll tax	38-9
	superannuation contributions	38-9
	training supported by	7-14
	workers compensation claims	55-7
employment	.....	1-3, 15-57, 71-9
	education and training and	7-14, 31-3
	information technology professional staff	94-5
	petroleum exploration and production	150-1
	research and development resources	161-2
	water and sewerage industry	91-3
	<i>see also</i> labour costs	
employment range	<i>see</i> business size	
energy	.....	61-3, 108-9, 127-30, 135, 142, 172
	<i>see also</i> coal; consumption; electricity; gas; petroleum	
engineering construction	.....	80-2
environment	.....	58-70, 89-90, 120, 125-6
equipment, energy use by	.....	163
estuaries	.....	69-70
experimental development	.....	161-2
exports	.....	108-9, 120, 127-8, 133-4, 142

SUBJECT INDEX

SUBJECT	ITEM	PAGE
factor income	.....	106-7
fatalities, occupational	.....	18-19, 44-52
females	<i>see sex of employees</i>	
final demand, components of	.....	102-3
finance	.....	100-11
	energy, SA government agencies expenditure on	167-8
	environment protection and natural resource management expenditure	58-60
	household expenditure	169-71
	information technology expenditure	94-5
	petroleum exploration and development expenditure	150-1
	research and development expenditure	161-2
	training expenditure	10-14
	water and sewerage industry	91-3, 143-4
	<i>see also income; labour costs</i>	
financial assets, foreign	.....	98-9
financial (industry) performance	.....	71-93
	electricity	114-15, 121-6, 129-30
	gas	114-15, 136-8
	water and sewerage	114-15, 143-4
fixed capital formation	.....	106-7
foreign investment	.....	98-9
fossil fuel	<i>see coal; petroleum</i>	
fringe benefits tax	.....	38-9
fuel	<i>see coal; gas; petroleum</i>	
full-time employees	.....	31-7
gardens and garden watering	.....	64-6

SUBJECT INDEX

SUBJECT	ITEM	PAGE
gas	1-3, 77-9, 127-32, 136-42, 150-2, 154-5, 167-8	
	engineering construction	180-2
	greenhouse gas emissions from production and distribution	67-8
	gross value added	100-1
	household expenditure on	169-71
	prices	112-15, 136-7, 140-1, 154-5
gas and electricity supply	23-5, 38-9, 53-4, 83-4	
gas pipelines	127-8, 138-9, 150-1	
Gippsland	158-9	
Goulburn-Murray	85-6	
government subsidies	77-9, 87-8	
greenhouse gas emissions	67-8, 129-32, 172	
Greenpower energy sources	61-3	
gross factor income	106-7	
gross fixed capital formation	106-7	
gross mixed income	106-7	
gross operating surplus	74-6, 102-3, 106-7	
gross value added	100-1, 104-7	
groundwater	58-60, 85-6	
harbour construction	80-2	
health and safety	18-19, 44-57	
	Indigenous services	164-6
	petroleum exploration and production	150-1
	workers' compensation costs	38-9
heating	61-3, 169-71	
heavy industry	80-2	
hot water systems	61-3	

SUBJECT INDEX

SUBJECT	ITEM	PAGE
hourly rates of pay	.....	40-3
hours of work	.....	12-14, 20-2, 31-7, 106-7
households	.....
	energy use	61-3, 108-9, 129-30
	expenditure	169-71
	water sources	64-6
housing, Indigenous	.....	164-6
immigrants	.....	31-4
imports	.....	102-3, 108-9, 127-8, 133-4, 142
income/earnings (business)	.....	71-6, 83-4, 87-8, 138-9
	accrued on foreign assets and liabilities	98-9
	from environment protection and resource management activities	58-60
	water and sewerage industry	89-93, 143-4
income/earnings (personal)	.....	15-17, 20-5, 35-7, 77-9, 87-8, 106-7
	literacy and	4-6
	<i>see also</i> labour costs	
Indigenous peoples	.....	164-6
industrial disputes	.....	26-8
industry gross factor income	.....	106-7
industry gross value added	.....	100-1, 104-7
industry ratios	.....	74-6
industry value added	.....	74-6, 91-3
information technology	.....	94-7
injuries, occupational	.....	18-19, 46-52, 150-1
inland water use and management	.....	58-60
innovation and technology	.....	94-7, 161-2
Input-Output tables	.....	102-3

SUBJECT INDEX

SUBJECT	ITEM	PAGE
insulation	61-3
interest cover	143-4
international investment	98-9
Internet use	94-5
inventories	83-4
investment	98-9
	<i>see also</i> capital expenditure	
iron and steel industry, energy use in	129-30
irrigation	85-6, 118-19, 176-7
IT	94-7
job vacancies	29-30
Jondaryan	156-7
labour	<i>see</i> employment	
labour costs	38-43, 71-3, 77-9, 91-3, 102-3, 106-7
	environment protection and resource management activities	..... 58-60
	training expenditure	..... 10-14
labour force status	31-7
land	58-60, 69-70
landscape	58-60, 80-2
language, literacy and	4-6
legal organisation	1-3
legislation, New South Wales	125-8, 138-9
liabilities	74-6, 91-3, 98-9, 125-6
liquefied natural gas (LNG)	138-9, 152
liquefied petroleum gas (LPG)	127-8, 136-7, 138-9, 152

SUBJECT INDEX

SUBJECT	ITEM	PAGE
literacy	.....	4-6
loan repayments	.....	143-4
local government, environment protection and natural resource management	.....	58-60
losses	<i>see profits and profitability</i>	
males	<i>see sex of employees</i>	
management units	.....	91-3
manufacturing, energy use in	.....	129-30, 135, 172
Mareeba Shire Council	.....	160
marital status of employees	.....	31-4
mental disorders, occupational	.....	46-9
migrants	.....	31-4
mining	..... <i>see also coal; gas; petroleum</i>	80-2, 135
mortality, occupational	.....	18-19, 44-52
national accounts	.....	100-11
National Electricity Market	.....	116-17, 173-4
natural gas	<i>see gas</i>	
natural resources,	..... <i>see also coal; gas; petroleum</i>	58-60, 69-70
net tax	.....	87-8
net worth	.....	74-6, 77-9, 91-3

SUBJECT INDEX

SUBJECT	ITEM	PAGE
New South Wales		
	coal	120, 127-8, 142
	electricity	114-17, 125-30, 135, 142, 153, 173-4
	energy	127-30, 135, 142, 163, 172
	gas	114-15, 127-30, 138-42
	petroleum	127-30, 142
	prices	114-17, 127-8
	water and sewerage	114-15, 140-1, 143-4, 175
New Zealand		
		136-7
Northern Territory		
		150-1
nuclear energy		
		146
occupation		
	employee earnings	20-2
	health and safety	44-9, 53-7
	parental, and literacy	4-6
	Wage Cost Index (WCI)	40-3
occupational health and safety		
	<i>see</i> health and safety	
oil		
	<i>see</i> petroleum	
oil pipelines		
		150-1
operating expenses		
		71-3
operating income		
		71-3
operating profit		
		74-6, 77-9, 91-3
outages		
	<i>see</i> reliability	
overseas investment		
		98-9
overtime pay		
		20-2
part-time employees		
		31-7
payroll tax		
		38-9
performance indicators		
	<i>see</i> financial performance	
permanent workers		
		35-7

SUBJECT INDEX

SUBJECT	ITEM	PAGE
petroleum	.....	127–30, 133–4, 142, 150–2, 167
	engineering construction	80–2
	greenhouse gas emissions from production and distribution	67–8
	<i>see also</i> gas	
pipelines	.....	80–2, 127–8, 138–9, 150–1
power sources, to Indigenous housing	.....	164–6
	<i>see also</i> electricity; gas	
policy, New South Wales	.....	125–6, 138–9
prices	.....	71–3, 112–17
	electricity	112–17, 121–4, 136–7, 140–1, 154–5, 173–4
	energy	127–8, 172
	gas	112–15, 136–7, 140–1, 154–5
	water and sewerage	89–90, 112–15, 140–1, 143–4
private sector	<i>see</i> sector	
processes, energy use by	.....	163
production	.....	102–3, 118–60
	greenhouse gas emissions from	67–8
profits and profitability	.....	71–9, 89–93, 114–15, 123–4, 142
prose literacy	.....	4–6
public sector	<i>see</i> sector	
purchases/acquisitions	.....	58–60, 77–9, 91–3, 125–6
qualifications	.....	4–9
quantitative literacy	.....	4–6
Queanbeyan	.....	140–1
Queensland	.....	116–19, 156–7, 160, 173–4
railways and tramways	.....	18–19, 80–2
rainwater tanks	.....	64–6
rates of pay	.....	20–2, 40–3

SUBJECT INDEX

SUBJECT	ITEM	PAGE
reading and writing usage		4-6
rebates		87-8
recreation construction		80-2
redundancy payments		38-9
regulatory audits		114-15, 123-4
rehabilitation, vocational		46-7
reliability (outages)		123-4, 140-1, 147, 153, 158-9
	Indigenous communities	164-6
renewable energy		142
research and experimental development		161-2
revenue	<i>see income</i>	
road access, to Indigenous communities		164-6
roads, highways and subdivisions		80-2
Rosalie		156-7
rural land use		69-70
	irrigation	85-6, 118-19, 175-6
sales		74-9, 83-4, 91-3, 125-6, 138, 152
	cost of	77-9
salinity		69-70
sector		
	electricity consumption	131-2, 167-8
	energy use	127-8, 131-2, 142, 167-8
	engineering construction	80-2
	gas,	136-7, 167-8
	earnings and hours	20-2
	labour costs	38-43
selling prices	<i>see prices</i>	

SUBJECT INDEX

SUBJECT	ITEM	PAGE
service standards	.....	123-4, 143-4, 148-9
severance payments	.....	38-9
sewerage	<i>see water, sewerage and drainage</i>	
sex of employees	.....	31-4
	education and training	12-14
	health and safety	44-5, 53-7
	income	15-17, 20-2
shift work	.....	35-7
showers and showering	.....	64-6
site preparation services	.....	80-2
size of business	<i>see business size</i>	
soil	.....	58-60, 69-70
solar access, rooms with/without	.....	61-3
solid waste management	.....	58-60
South Australia	.....	46-7, 116-17, 148-9, 167-8, 173-4
steel and iron industry, energy use in	.....	129-30
stocks	.....	71-3, 108-9, 121-2, 142
streamflows	.....	175
study	<i>see education and training</i>	
subsidies, from government	.....	77-9, 87-8
superannuation, employer contributions	.....	38-9
swimming pools	.....	64-6
Sydney	.....	175
Tasmania	.....	50-2, 147, 176-7

SUBJECT INDEX

SUBJECT	ITEM	PAGE
taxation	.....	38-9, 87-8
technology and innovation	.....	94-7, 161-2
telecommunications (telephones)	.....	80-2
	Indigenous community access to	164-6
termination payments	.....	38-9
time		
	average training hours per employee	12-14
	duration in current job	35-7
	duration of unemployment	31-4
	lost, through industrial disputes	26-8
	lost, through workplace injuries	50-7
	working hours	12-14, 20-2, 31-7, 106-7
toilets	.....	64-6
Toowoomba	.....	156-7
Torres Strait Islander and Aboriginal people	.....	164-6
trade and investment	.....	98-9, 102-3, 108-9, 120, 127-8, 133-4, 142
trade union membership	.....	35-7
trading profit	.....	74-9, 91-3
trading profit margin	.....	77-9
training	<i>see education and training</i>	
tramways and railways	.....	18-19, 80-2
turnover	.....	77-9, 91-3
unemployment (labour force status)	.....	31-7
union membership	.....	35-7
uranium industry	.....	146
usage	.....	163-77
	<i>see also consumption</i>	

SUBJECT INDEX

SUBJECT	ITEM	PAGE
value added	.....	74-9, 91-3, 100-1, 104-7
vegetation resources	.....	69-70
Victoria		
	electricity	18-19, 116-17, 123-4, 154-5, 173-4
	gas	154-5
	health and safety	18-19, 53-4
	irrigation	85-6
	water and waste water	158-9
vocational rehabilitation	.....	46-7
Wage Cost Index	.....	40-3
wages and salaries	<i>see</i> income/earnings (personal); labour costs	
washing water	.....	64-6
waste management	.....	58-60
	Indigenous communities	164-6
water, sewerage and drainage	.....	1-3, 89-93, 110-11, 140-1, 143-5, 156-7
	employment and earnings	23-5
	engineering construction	80-2
	greenhouse gas emissions from handling	67-8
	gross value added	100-1
	health and safety	53-4
	households	64-6, 169-71
	Indigenous communities	164-6
	labour costs	38-9
	local government financial estimates	58-60
	prices	89-90, 112-15, 140-1, 143-4
	Queensland	118-19, 156-7, 160
	Sydney	175
water quality	.....	89-90, 143-5, 156-9, 175
water resources	.....	58-60, 69-70, 110-11
	irrigation	85-6, 118-19, 176-7
water temperature of clothes washing	.....	61-3

SUBJECT INDEX

SUBJECT	ITEM	PAGE
Western Australia	.....	55-7, 131-2
windows	.....	61-3
women	<i>see sex of employees</i>	
wood use and supply	.....	167-71
work	<i>see employment</i>	
workers' compensation	<i>see health and safety</i>	
working hours	.....	12-14, 20-2, 31-7, 106-7
writing usage	.....	4-6
Yarrolumla shire	.....	140-1
Year 2000 problem (IT)	.....	96-7

FOR MORE INFORMATION . . .

- INTERNET** www.abs.gov.au the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.
- LIBRARY** A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require, or visit our web site for a list of libraries.
- CPI INFOLINE** For current and historical Consumer Price Index data, call 1902 981 074 (call cost 77c per minute).
- DIAL-A-STATISTIC** For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 77c per minute).

INFORMATION SERVICE

Data which have been published and can be provided within five minutes are free of charge. Our information consultants can also help you to access the full range of ABS information—ABS user-pays services can be tailored to your needs, time frame and budget. Publications may be purchased. Specialists are on hand to help you with analytical or methodological advice.

- PHONE** **1300 135 070**
- EMAIL** **client.services@abs.gov.au**
- FAX** 1300 135 211
- POST** Client Services, ABS, GPO Box 796, Sydney 1041

WHY NOT SUBSCRIBE ?

ABS subscription services provide regular, convenient and prompt deliveries of ABS publications and products as they are released. Email delivery of monthly and quarterly publications is available.

- PHONE** 1300 366 323
- EMAIL** subscriptions@abs.gov.au
- FAX** 03 9615 7848
- POST** Subscription Services, ABS, GPO Box 2796Y, Melbourne 3001

