

Gunnedah Shire Council

Gunnedah Shire
Employment reports - All Industries

economic profile

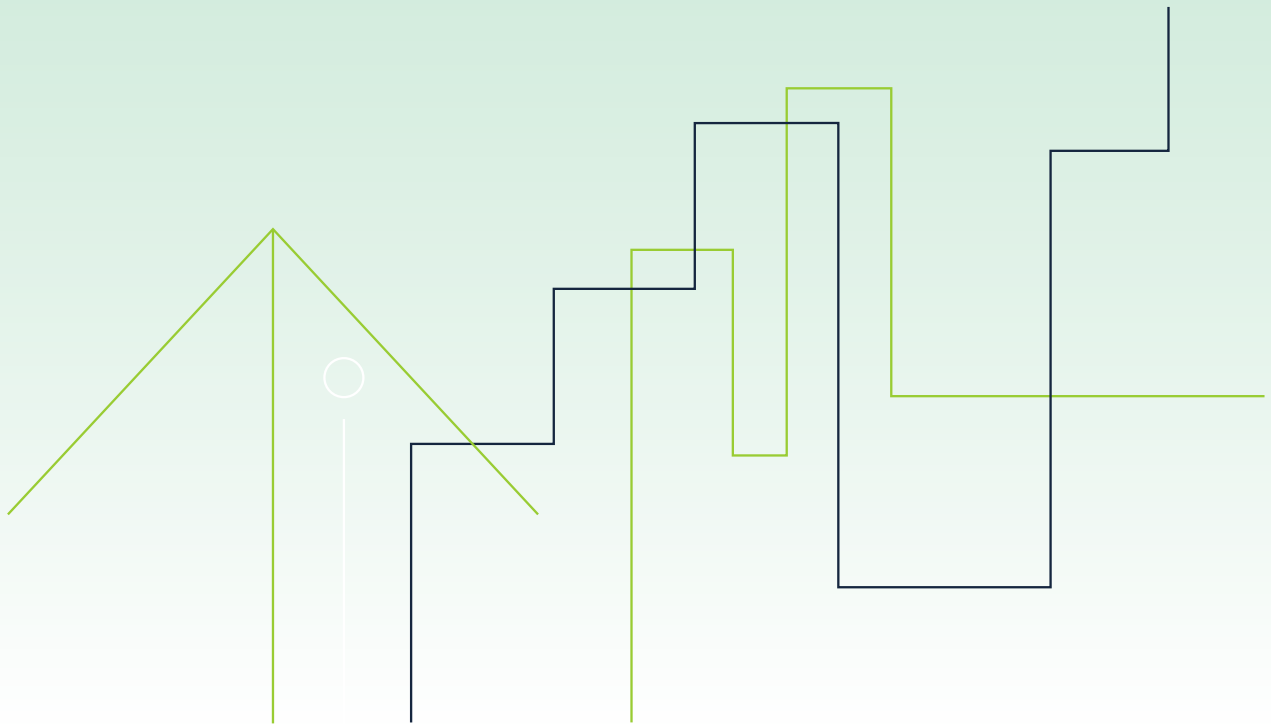


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Gunnedah Shire

About the area

Important Statistics

GRP
\$0.63 billion
NIEIR 2016

Population
12,551
ABS ERP 2016

Local jobs
5,768
NIEIR 2016

Largest industry
Agriculture, Forestry and
Fishing
NIEIR 2016

Local businesses
1,251
ABS 2016

Employed residents
6,095
NIEIR 2016

Name origin

Gunnedah is thought to be named from the Aboriginal word 'gunithaa' meaning "orphan" or "place of white stone" or "poor place".

Location and boundaries

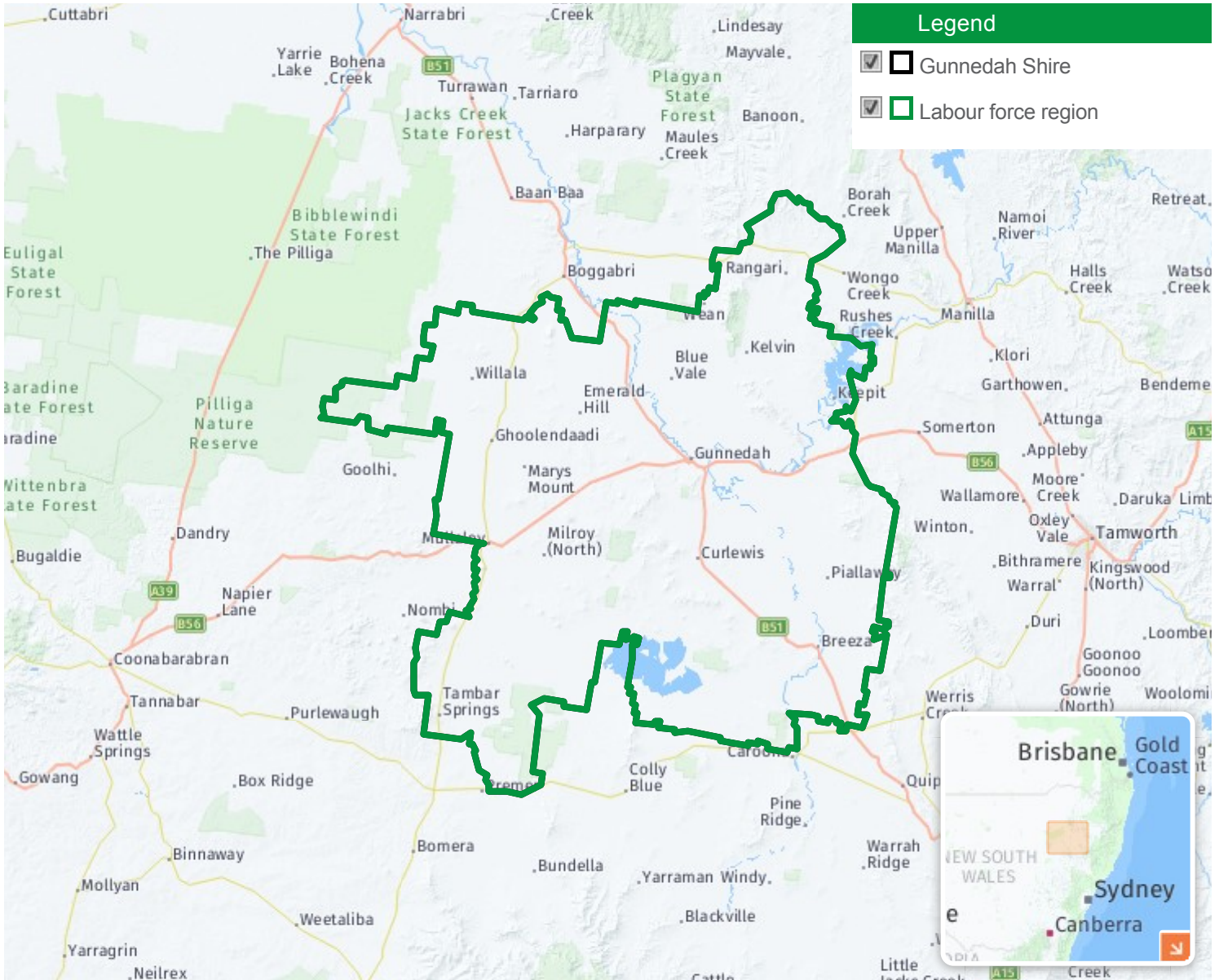
Gunnedah Shire is located in the North West Slopes Region of north-west New South Wales, about 450 kilometres north of the Sydney CBD, and about 650 kilometres south of the Brisbane CBD. Gunnedah Shire is bounded by Narrabri Shire in the north, the Tamworth Regional Council area in the east, Liverpool Plains Shire in the south, and Warrumbungle Shire in the west.

Included areas

Gunnedah Shire encompasses the localities of Blue Vale, Boggabri (part), Breeza, Caroona (part), Carroll, Curlewis (part), Emerald Hill, Ghoolendaadi, Goolhi (part), Gunnedah, Keepit, Kelvin, Marys Mount, Milroy, Mullaley, Orange Grove, Pialloway (part), Premer (part), Rangari, Spring Ridge (part), Tambar Springs (part), The Pilliga (part), Wean (part), Werris Creek (part) and Willala (part).

Economic region

Gunnedah Shire



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Land use

Gunnedah Shire is a largely rural area, with most of the population living in the township of Gunnedah and the villages of Breeza, Carroll, Curlew, Mullaley and Tambar Springs. Rural land is used largely for agriculture, particularly wheat and crop growing, cattle and sheep grazing and pig raising, with some coal mining. Tourism is also an important industry. The Shire encompasses a total land area of about 5,000 square kilometres.

Transport

Gunnedah Shire is served by the Kamilaroi Highway, the Oxley Highway, the north western railway line and Gunnedah Airport.

Settlement history

European settlement dates from the 1830s, with land used mainly for grazing. Growth took place during the late 1800s, spurred by coal mining and the opening of the railway line. Significant development occurred from the post-war years, particularly during the 1950s and 1960s, in line with the wool boom. The population increased slightly from the late 1970s, rising from about 12,600 in 1976 to about 13,400 in 1986. The population then declined gradually, falling from about 13,300 in 1991 to about 11,500 in 2006, largely as a result of a decline in mining activity. In more recent years the population increased slightly, rising to nearly 12,200 in 2011.

Indigenous background

The original inhabitants of Gunnedah Shire were the Kamilaroi Aboriginal people.

Regional labour force

The Gunnedah Shire labour force region is defined by an area in which a significant percentage of workers travelled into the Gunnedah Shire to work at the 2011 Census. Details of this calculation and a list of areas included can be found in the [data notes](#).

Gunnedah Shire

Employment by industry (Total)

Employment (total) is the most accurate and up to date measure of the total number of people employed in the Gunnedah Shire. The statistics are modelled by NIEIR to correct for the known undercount of jobs recorded in the Census. They estimate the total number of persons employed in an industry sector (full-time and part-time) in Gunnedah Shire regardless of where they live. They are updated annually.

By comparing the number of jobs in each industry sector to a regional benchmark, you can clearly see the structure of Gunnedah Shire's economy. This can be done by directly comparing the area to its benchmark, or by using a location quotient to look at the relative size of industries.

Estimated total employment by industry should not be considered as a "Full-Time Equivalent" measure as different industries will have different ratios of part-time and full time employees. Full-time employment by industry statistics are also available.

To see how employment is distributed across the area, see the Employment locations section and to see where people come from to work in these industries, these data should be viewed in conjunction with Workers place of residence by industry data.

More granular sub-categories for each industry sector are available in the Employment by industry (Census) counts. While Census figures undercount employment they do provide a more detailed picture of the specific industries operating in the area.

NOTE: Detailed notes about how the figures are derived can be found in the specific topic notes section.

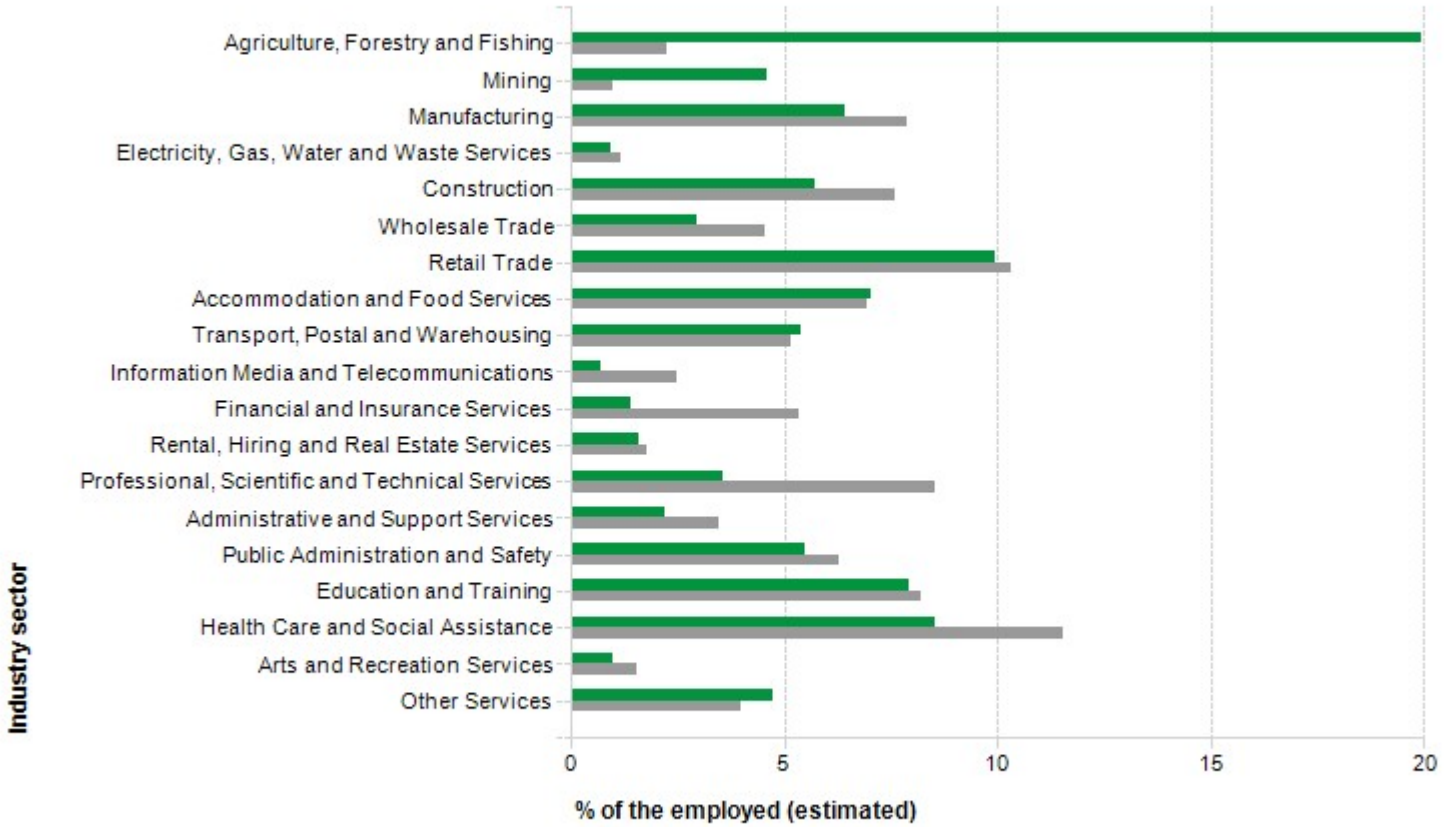
Employment (total) by industry

Gunnedah Shire	2015/16			2010/11			Change
Industry (Click rows to view sub-categories)	Number	%	New South Wales%	Number	%	New South Wales%	2010/11 to 2015/16
Agriculture, Forestry and Fishing	1,150	19.9	2.3	1,052	19.1	2.3	+98
Mining	264	4.6	1.0	248	4.5	0.9	+16
Manufacturing	371	6.4	7.9	400	7.3	8.5	-29
Electricity, Gas, Water and Waste Services	54	0.9	1.2	54	1.0	1.2	+1
Construction	329	5.7	7.6	367	6.7	7.6	-38
Wholesale Trade	170	2.9	4.5	172	3.1	4.6	-2
Retail Trade	572	9.9	10.3	544	9.9	10.3	+28
Accommodation and Food Services	405	7.0	7.0	368	6.7	6.8	+37
Transport, Postal and Warehousing	311	5.4	5.1	274	5.0	5.2	+37
Information Media and Telecommunications	41	0.7	2.5	40	0.7	2.5	+2
Financial and Insurance Services	80	1.4	5.3	80	1.4	5.3	0
Rental, Hiring and Real Estate Services	91	1.6	1.8	83	1.5	1.8	+8
Professional, Scientific and Technical Services	205	3.5	8.5	201	3.7	8.4	+3
Administrative and Support Services	126	2.2	3.5	110	2.0	3.4	+16
Public Administration and Safety	318	5.5	6.3	292	5.3	6.3	+26
Education and Training	456	7.9	8.2	432	7.8	8.1	+24
Health Care and Social Assistance	493	8.5	11.5	483	8.8	11.3	+9
Arts and Recreation Services	57	1.0	1.5	51	0.9	1.5	+7
Other Services	273	4.7	4.0	263	4.8	4.0	+10
Total Industries	5,768	100.0	100.0	5,515	100.0	100.0	+253

p Residents employment by industry by small area (2006-2011)

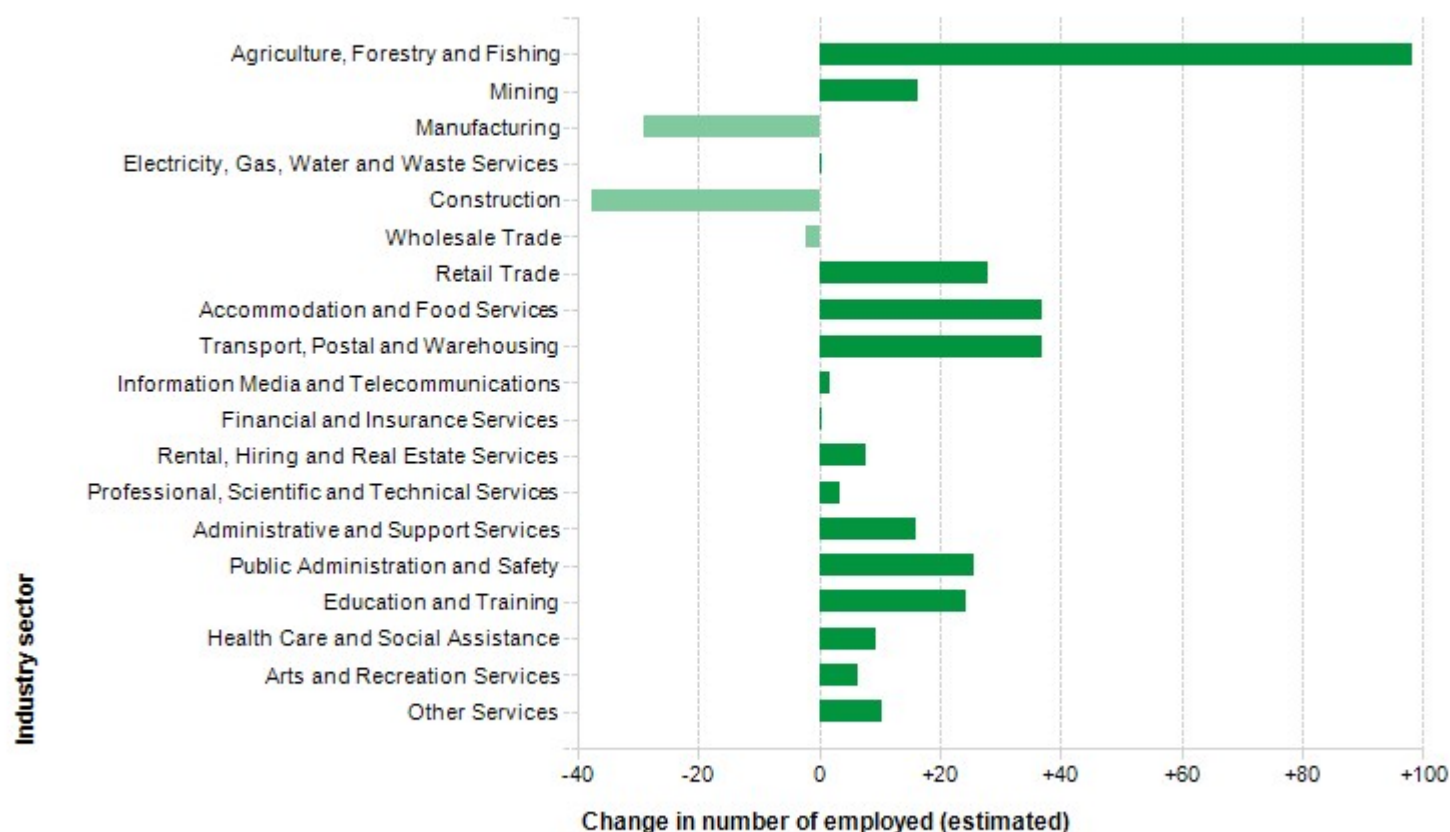
Employment (total) by industry 2015/16

■ Gunnedah Shire ■ New South Wales



Change in employment (total) by industry, 2010/11 to 2015/16

Gunnedah Shire



Source: National Institute of Economic and Industry Research (NIEIR) ©2016
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Dominant groups

An analysis of the jobs held by the local workers in Gunnedah Shire in 2015/16 shows the three largest industries were:

- Agriculture, Forestry and Fishing (1,150 people or 19.9%)
- Retail Trade (572 people or 9.9%)
- Health Care and Social Assistance (493 people or 8.5%)

In combination these three industries accounted for 2,215 people in total or 38.4% of the local workers.

In comparison, New South Wales employed 2.3% in Agriculture, Forestry and Fishing; 10.3% in Retail Trade; and 11.5% in Health Care and Social Assistance.

The major differences between the jobs held by local workers of the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers employed in Agriculture, Forestry and Fishing (19.9% compared to 2.3%)
- A *larger* percentage of local workers employed in Mining (4.6% compared to 1.0%)
- A *smaller* percentage of local workers employed in Professional, Scientific and Technical Services (3.5% compared to 8.5%)
- A *smaller* percentage of local workers employed in Financial and Insurance Services (1.4% compared to 5.3%)

Emerging groups

The number of local workers in the Gunnedah Shire increased by 253 between 2010/11 and 2015/16.

The largest change in the jobs held by local workers between 2010/11 and 2015/16 in the Gunnedah Shire was for those employed in:

- Agriculture, Forestry and Fishing (+98 local workers)

Gunnedah Shire

Employment by industry (FTE)

Full-time equivalent (FTE) employment is modelled by NIEIR and takes into account differences in hours worked between industry sectors. It is a measure that allows direct comparison of employment between industries in the Gunnedah Shire.

Typically, industries such as Retail Trade and Accommodation and Food Services, which employ many part-time workers, have lower FTE employment than total employment.

FTE employment is calculated directly by dividing the total hours worked in each industry by 38. By comparing the number of full-time equivalent jobs in each industry sector to a regional benchmark, you can clearly see the structure of Gunnedah Shire's economy. This can be done by directly comparing the area to its benchmark, or by using a location quotient to look at the relative size of industries.

FTE employment should be viewed in conjunction with [Employment by industry \(Total\)](#) and [Employment by industry \(Census\)](#), for a full understanding of the industry breakdown in the area. [Worker productivity](#) data shows the value of a worker in each industry to the local economy. [Employment locations](#) shows where employment is taking place in each industry sector.

NOTE: FTE employment is derived from Census data but has been corrected for the known undercount of employment in the Census. Detailed notes about how the figures are derived can be found in the [specific topic notes](#) section.

Full-time equivalent employment by industry sector

Gunnedah Shire	2015/16			2010/11			Change
Industry (Click rows to view sub-categories)	Number	%	New South Wales%	Number	%	New South Wales%	2010/11 to 2015/16
Agriculture, Forestry and Fishing	1,315	24.2	2.8	1,228	24.1	2.9	+87
Mining	297	5.5	1.2	283	5.6	1.2	+14
Manufacturing	372	6.9	8.6	384	7.5	9.3	-11
Electricity, Gas, Water and Waste Services	51	0.9	1.3	51	1.0	1.3	0
Construction	325	6.0	8.4	352	6.9	8.2	-27
Wholesale Trade	161	3.0	5.0	156	3.1	5.0	+5
Retail Trade	443	8.2	9.0	412	8.1	9.1	+31
Accommodation and Food Services	305	5.6	5.9	267	5.3	5.8	+38
Transport, Postal and Warehousing	336	6.2	5.6	283	5.6	5.7	+52
Information Media and Telecommunications	33	0.6	2.6	31	0.6	2.6	+2
Financial and Insurance Services	73	1.3	5.8	68	1.3	5.7	+5
Rental, Hiring and Real Estate Services	80	1.5	1.9	70	1.4	1.9	+10
Professional, Scientific and Technical Services	191	3.5	9.2	179	3.5	9.0	+12
Administrative and Support Services	91	1.7	3.2	78	1.5	3.1	+13
Public Administration and Safety	275	5.1	6.3	239	4.7	6.1	+36
Education and Training	372	6.8	7.7	348	6.8	7.7	+24
Health Care and Social Assistance	397	7.3	10.3	374	7.4	10.1	+22
Arts and Recreation Services	40	0.7	1.3	35	0.7	1.3	+5
Other Services	269	5.0	4.1	245	4.8	4.0	+24
Total Industries	5,428	100.0	100.0	5,085	100.0	100.0	+343

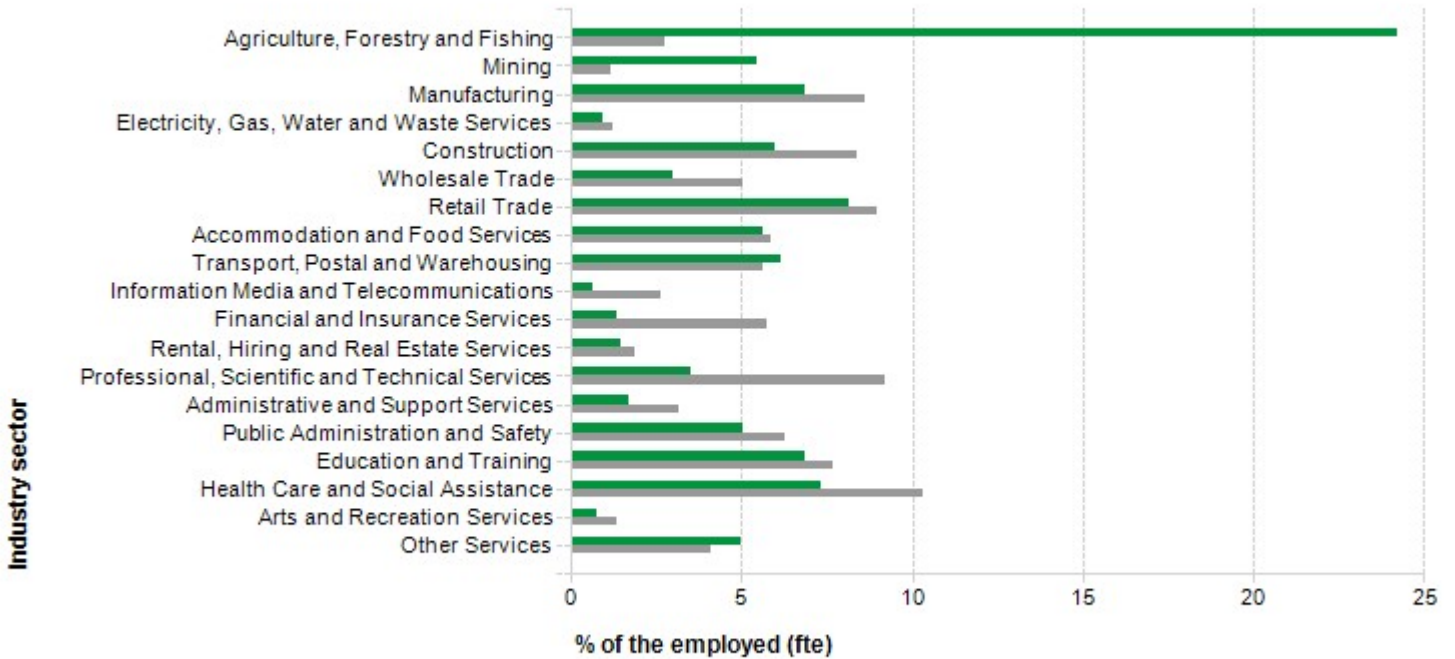
Source: [National Institute of Economic and Industry Research \(NIEIR\)](#) ©2016. Compiled and presented in economy.id by [.id](#), the population experts.

Data is based on 2014-15 constant prices for all years. NIEIR data are inflation adjusted each year to allow direct comparison, and new data releases normally adjust previous years' figures to a new base year.

p Residents employment by industry by small area (2006-2011)

Employment (FTE) 2015/16

■ Gunnedah Shire ■ New South Wales

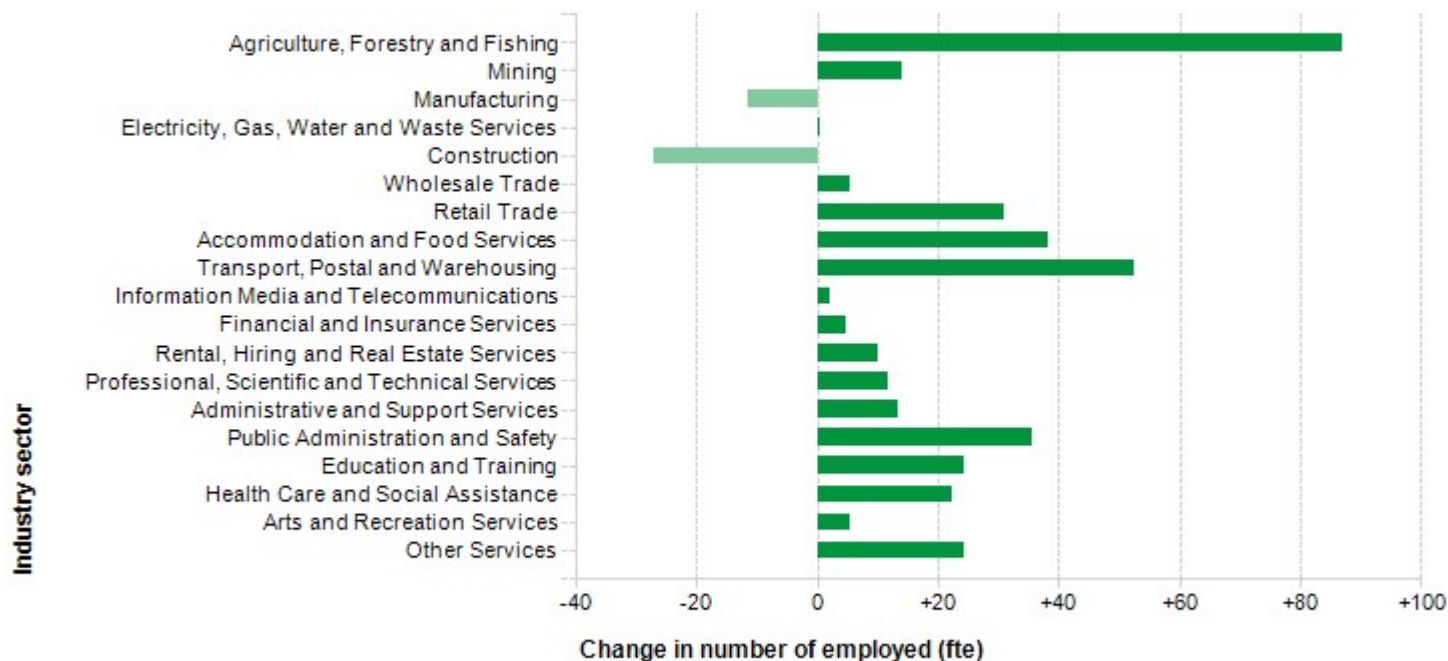


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Change in employment (FTE), 2010/11 to 2015/16

Gunnedah Shire



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Dominant groups

An analysis of the jobs held by the full-time equivalent local workers in Gunnedah Shire in 2015/16 shows the three largest industries were:

- Agriculture, Forestry and Fishing (1,315 full-time equivalent local workers or 24.2%)
- Retail Trade (443 full-time equivalent local workers or 8.2%)
- Health Care and Social Assistance (397 full-time equivalent local workers or 7.3%)

In combination these three industries accounted for 2,154 people in total or 39.7% of local workers.

In comparison, New South Wales employed 2.8% in Agriculture, Forestry and Fishing; 9.0% in Retail Trade; and 10.3% in Health Care and Social Assistance.

The major differences between the jobs held by the full-time equivalent local workers of the Gunnedah Shire and New South Wales were:

- A *larger* percentage of full-time equivalent local workers employed in Agriculture, Forestry and Fishing (24.2% compared to 2.8%)
- A *larger* percentage of full-time equivalent local workers employed in Mining (5.5% compared to 1.2%)
- A *smaller* percentage of full-time equivalent local workers employed in Professional, Scientific and Technical Services (3.5% compared to 9.2%)
- A *smaller* percentage of full-time equivalent local workers employed in Financial and Insurance Services (1.3% compared to 5.8%)

Emerging groups

The number of local workers in the full-time equivalent work in the Gunnedah Shire increased by 343 between 2010/11 and 2015/16.

The largest changes in the jobs held by the full-time equivalent local workers between 2010/11 and 2015/16 in the Gunnedah Shire were for those employed in:

- Agriculture, Forestry and Fishing (+87 full-time equivalent local workers)
- Transport, Postal and Warehousing (+52 full-time equivalent local workers)

Gunnedah Shire

Worker productivity

Worker productivity by industry is calculated by dividing the industry value add by the number of persons employed in that industry. It shows which industries generate the most value add per employee. Some industry sectors, such as retail trade, are not highly productive per worker, but they employ a lot of people. Other industries, such as mining, employ fewer people but generate high levels of productivity. Each plays an important role in the economy.

Worker productivity data should be viewed in conjunction with [Employment by industry \(Total\)](#) and [Employment by industry \(FTE\)](#), to see the relative size of employment in each industry, and with [Local workers income](#) to see how many local workers are actually each in each industry, and with [Sources of income](#) data to see whether employment is the main way income is derived.

Detailed notes about how the figures are derived can be found in the [specific topic notes](#) section.

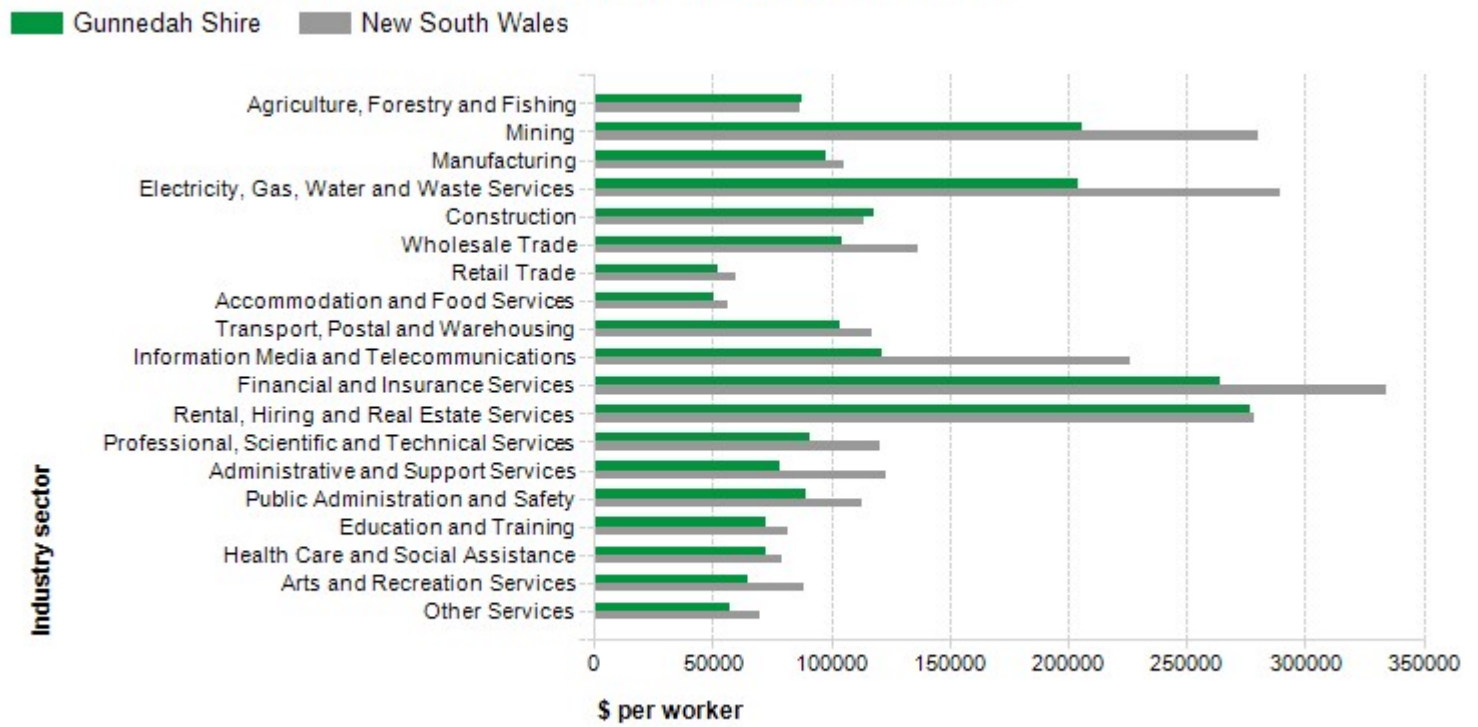
Productivity per worker (annual) by industry

Gunnedah Shire - Constant prices	2015/16		2010/11		Change
Industry (Click rows to view sub-categories)	\$	New South Wales \$	\$	New South Wales \$	2010/11 to 2015/16
Agriculture, Forestry and Fishing	87,566	86,503	101,066	100,274	-13,500
Mining	206,104	280,171	206,131	242,031	-27
Manufacturing	97,506	105,779	109,082	124,561	-11,576
Electricity, Gas, Water and Waste Services	204,252	289,206	201,962	300,431	+2,291
Construction	118,118	113,660	131,855	95,471	-13,736
Wholesale Trade	104,685	136,732	93,499	124,880	+11,186
Retail Trade	52,596	59,495	45,797	53,654	+6,798
Accommodation and Food Services	50,317	56,221	47,942	56,121	+2,375
Transport, Postal and Warehousing	103,965	117,384	93,749	110,804	+10,216
Information Media and Telecommunications	121,460	225,880	122,173	209,739	-713
Financial and Insurance Services	263,993	334,450	244,478	296,630	+19,514
Rental, Hiring and Real Estate Services	277,135	278,842	190,714	202,533	+86,422
Professional, Scientific and Technical Services	91,308	120,302	84,447	113,446	+6,861
Administrative and Support Services	78,881	122,969	75,453	124,044	+3,429
Public Administration and Safety	89,660	113,472	83,088	110,921	+6,572
Education and Training	72,247	81,819	71,280	84,261	+967
Health Care and Social Assistance	72,738	79,243	63,256	71,002	+9,482
Arts and Recreation Services	65,186	88,434	70,565	93,964	-5,379
Other Services	57,147	70,068	55,052	68,021	+2,095
Total Industries	93,366	117,442	93,173	111,139	+193

Source: [National Institute of Economic and Industry Research \(NIEIR\)](#) ©2016. Compiled and presented in economy.id by [.id](#), the population experts.

Data is based on 2014-15 constant prices for all years. NIEIR data are inflation adjusted each year to allow direct comparison, and new data releases normally adjust previous years' figures to a new base year.

Productivity per worker (annual) by industry 2015/16

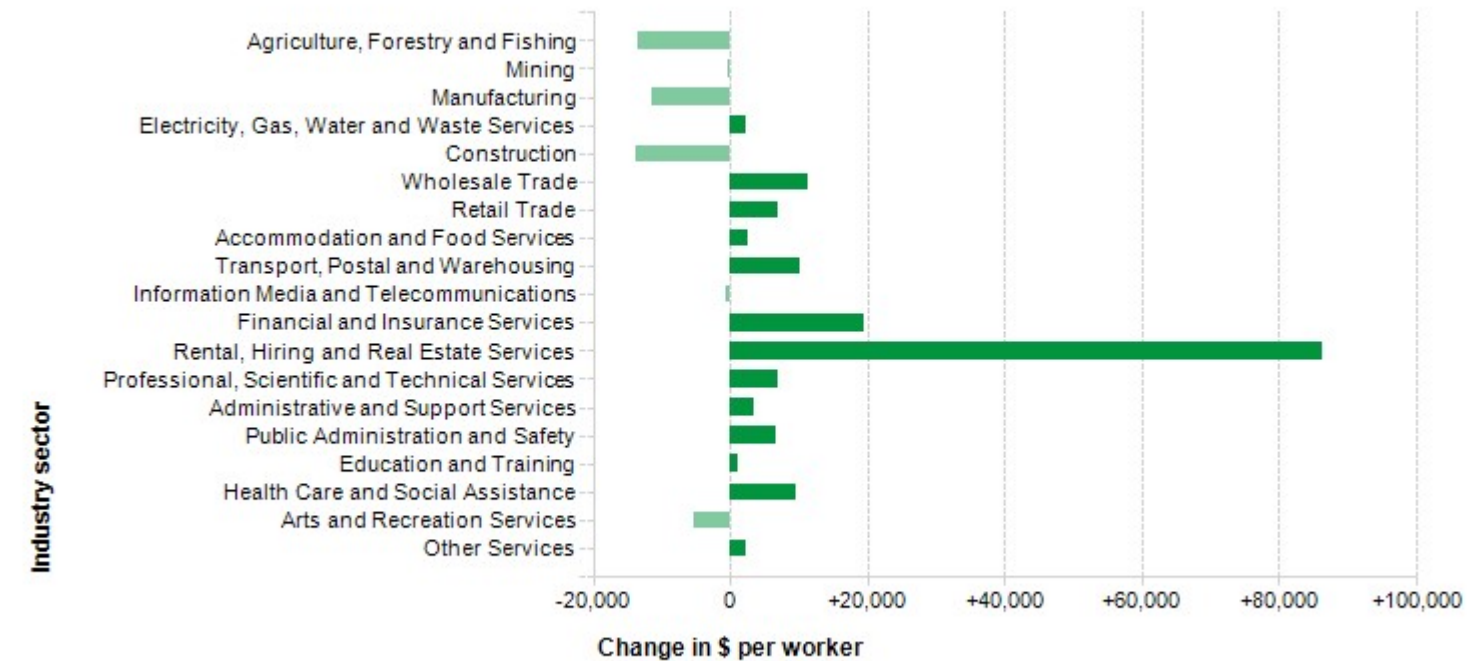


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Change in productivity per worker (annual) by industry, 2010/11 to 2015/16

Gunnedah Shire



Source: National Institute of Economic and Industry Research (NIEIR) ©2016
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Dominant groups

An analysis of the worker productivity by industry sectors in Gunnedah Shire in 2015/16 shows the three highest industries were:

- Rental, Hiring and Real Estate Services (\$277,135)
- Financial and Insurance Services (\$263,993)
- Mining (\$206,104)

In comparison, the same 3 industries in New South Wales were for \$278,842 in Rental, Hiring and Real Estate Services; \$334,450 in Financial and Insurance Services; and \$280,171 in Mining.

The major differences between worker productivity by industries in the Gunnedah Shire and New South Wales were:

- Lower worker productivity in Information Media and Telecommunications (\$121,460 compared to \$225,880)
- Lower worker productivity in Electricity, Gas, Water and Waste Services (\$204,252 compared to \$289,206)
- Lower worker productivity in Mining (\$206,104 compared to \$280,171)
- Lower worker productivity in Financial and Insurance Services (\$263,993 compared to \$334,450)

Emerging groups

The total worker productivity by industry in the Gunnedah Shire increased by \$193 between 2010/11 and 2015/16.

The largest changes in worker productivity by industries between 2010/11 and 2015/16 in the Gunnedah Shire were for:

- Rental, Hiring and Real Estate Services (+\$86,422)
- Financial and Insurance Services (+\$19,514)
- Construction (-\$13,736)
- Agriculture, Forestry and Fishing (-\$13,500)

Gunnedah Shire

Employment locations - All industries

Place of Work data, mapped to Destination Zones, provide an excellent spatial representation of where each industry's economic activity is conducted within Gunnedah Shire.

Some industries are clustered in business parks, or along major transport routes. Others are associated with institutions such as schools, universities and hospitals.

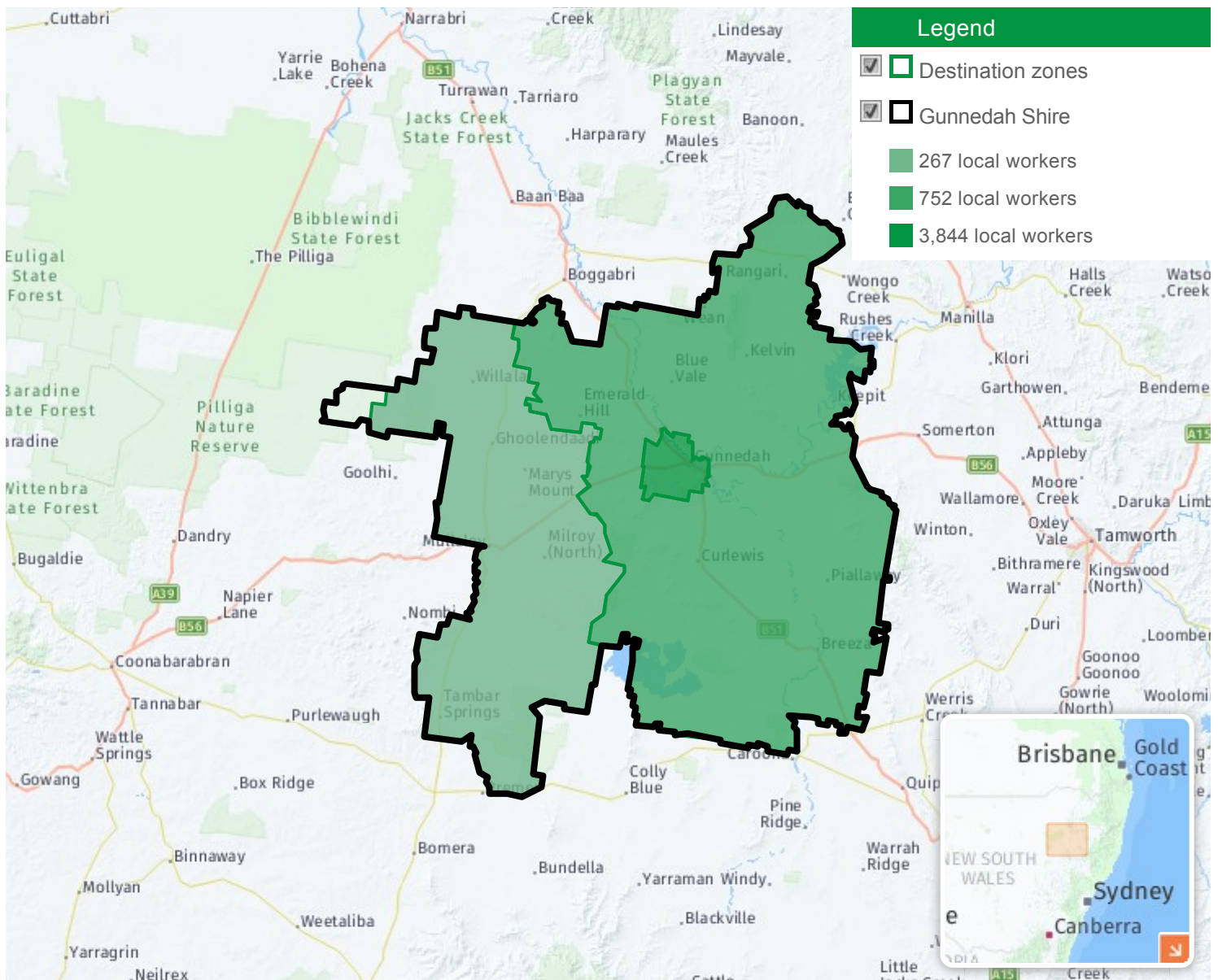
Employment locations data should be viewed in conjunction with [Workers place of residence](#) data to see how far people travel to get to employment in the Gunnedah Shire, and with [Employment by industry \(Total\)](#) and [Businesses by industry](#) data to see the total size of industries in the area.

Data presented here show the number of local workers per destination zone at the 2016 Census. This has been derived from the ABS imputed dataset using methodology from the Bureau of Transport statistics, and adjusts for Census undercount.

Note: Value added data is currently temporarily unavailable, data for this page is estimated to be available by June 2018.

All industries

Gunnedah Shire - Employment locations - Number of local workers



Source: Australian Bureau of Statistics, Census of Population and Housing 2016.
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Gunnedah Shire

Workers place of residence by industry - All industries

Journey to Work (workers) data shows where the Gunnedah Shire's local workers come from and how far they are travelling to access employment in the area.

This shows the degree to which the local economy draws on the wider region to supply labour for its industries. It is also useful in planning and advocacy for roads and public transport provision.

The distance and direction travelled by workers in different industry sectors may be influenced by the nature of employment opportunities (higher paid, high value employment may draw people from a wider area); the skill level required (jobs requiring tertiary qualifications will draw more workers from areas with high qualification levels among the residents) the number of jobs available in the industry sector (sectors with more opportunities may have a wider catchment); transport options available and commuting times to the Gunnedah Shire.

Workers place of residence data should be viewed alongside [Self-sufficiency](#) and [Jobs to workers ratio](#) datasets for a summary of local employment opportunity by industry, as well as modelled [Employment by industry \(Total\)](#) numbers and [Employment locations](#) to understand the relative size of each industry sector and its distribution across the the Gunnedah Shire. To analyse the characteristics of local workers in each industry, go to the [Local workers](#) section.

Residential location of local workers by industry

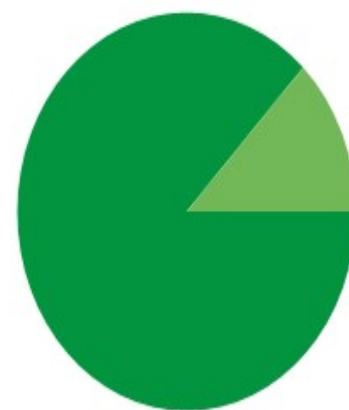
Gunnedah Shire - All industries		NEW	2016
Location	Number		%
Live and work in the area	4,204		87.1
Work in the area, but live outside	623		12.9
Total workers in the area	4,827		100.0

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2016. Compiled and presented in economy.id by [.id](#), the population experts.

Residential location of local workers, 2016

Gunnedah Shire - All industries

- Live and work in the area
- Work in the area, but live outside

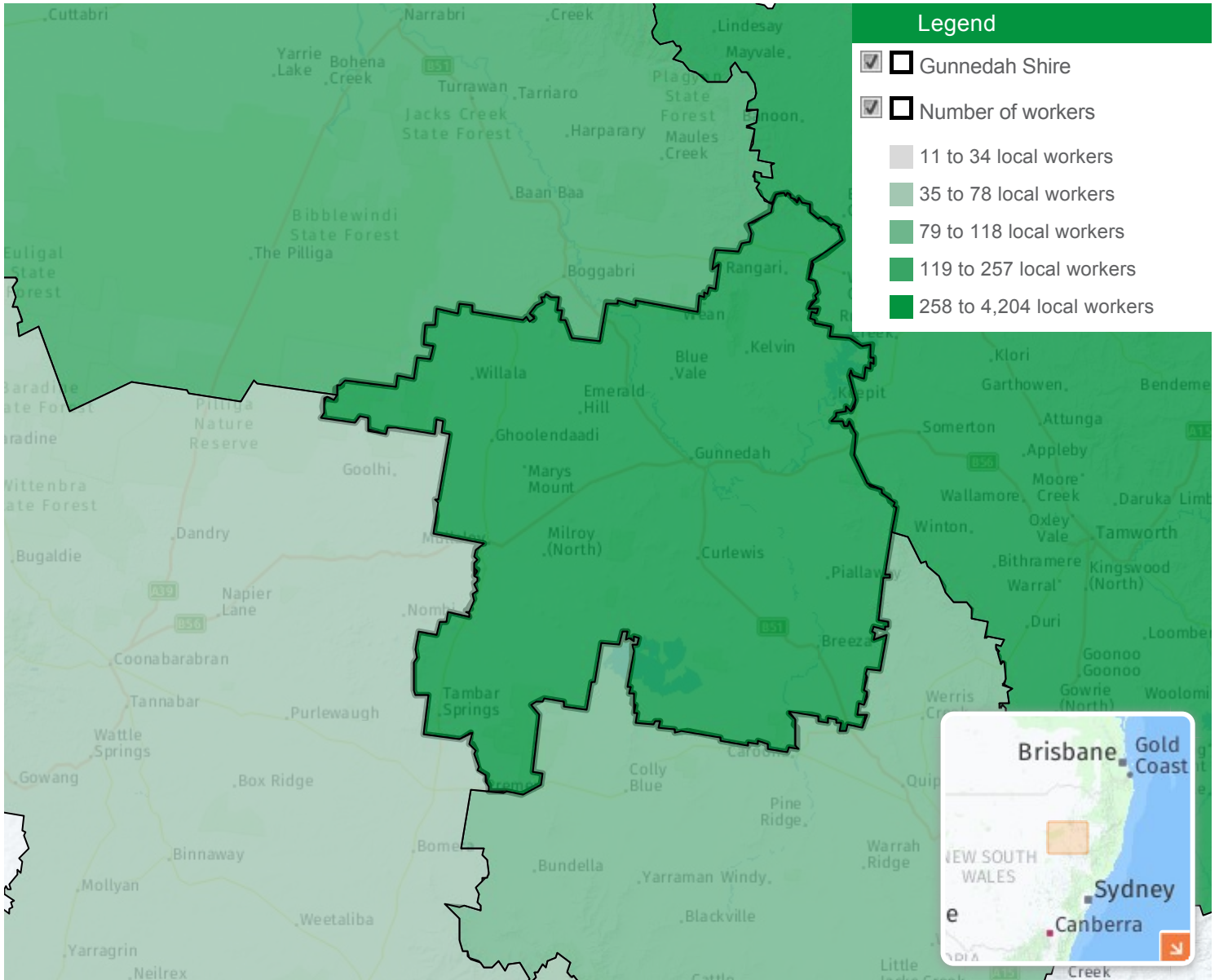


Source: Australian Bureau of Statistics, Census of Population and Housing, 2016 (Usual residence data) Compiled and presented in profile.id by [.id](#), the population experts.

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Residential locations of local workers by LGA by industry, 2016

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing 2016.
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Residential location of local workers by LGA by industry

Gunnedah Shire - All industries	NEW 2016	
	Number	%
LGA		
Gunnedah (A)	4,204	87.1
Tamworth Regional (A)	258	5.3
Narrabri (A)	119	2.5
Liverpool Plains (A)	79	1.6
Warrumbungle Shire (A)	35	0.7
Cessnock (C)	13	0.3
Singleton (A)	11	0.2

Source: Australian Bureau of Statistics, Census of Population and Housing 2016. Compiled and presented in economy.id by .id, the population experts.
Excludes residential locations with fewer than 10 people.

Gunnedah Shire

Residents place of work by industry - All industries

Journey to Work (residents) data shows where the Gunnedah Shire's resident workers go to work and whether they need to travel significant distances to work. This impacts upon planning and advocacy for roads and public transport provision, as well as economic development strategies to develop local employment which fits the skills and qualifications of the resident workers.

The distance travelled by residents in different industry sectors may be influenced by; the nature of employment opportunities versus the skills and qualifications of local residents; transport options available and commuting times; relationship between wages and salaries (people will travel further for higher paid jobs), house prices in the local area; and the geographic size of the local area (in large areas, local jobs may not in fact be so local, while in more compact areas, resident workers may walk to work in a neighbouring LGA.).

Please note that where an industry has a very small number of employed residents, there may be no information displayed on the map or the detailed table due to insufficient residents travelling to any one area to display. The summary table will still include the information for the total residents working locally or travelling outside the area to work.

Residents place of work data should be viewed alongside [Self-containment](#) and [Jobs to workers ratio](#) datasets, as well as modelled [Employed residents](#) estimates, which are updated annually. The [Resident workers](#) section will provide the characteristics of resident workers.

Employment location of resident workers by industry

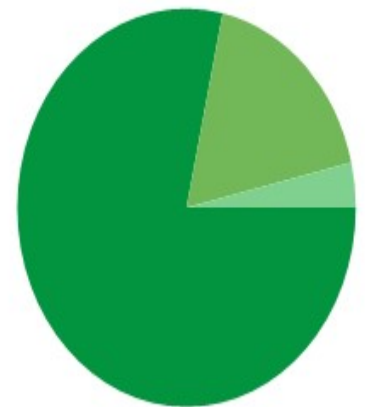
Gunnedah Shire - All industries		NEW	2016
Location	Number	%	
Live and work in the area	4,204	78.4	
Live in the area, but work outside	961	17.9	
No fixed place of work	196	3.7	
Total employed residents in the area	5,361	100.0	

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2016. Compiled and presented in [economy.id](#) by [.id](#), the population experts.

Employment location of resident workers, 2016

Gunnedah Shire - All industries

- Live and work in the area
- Live in the area, but work outside
- No fixed place of work

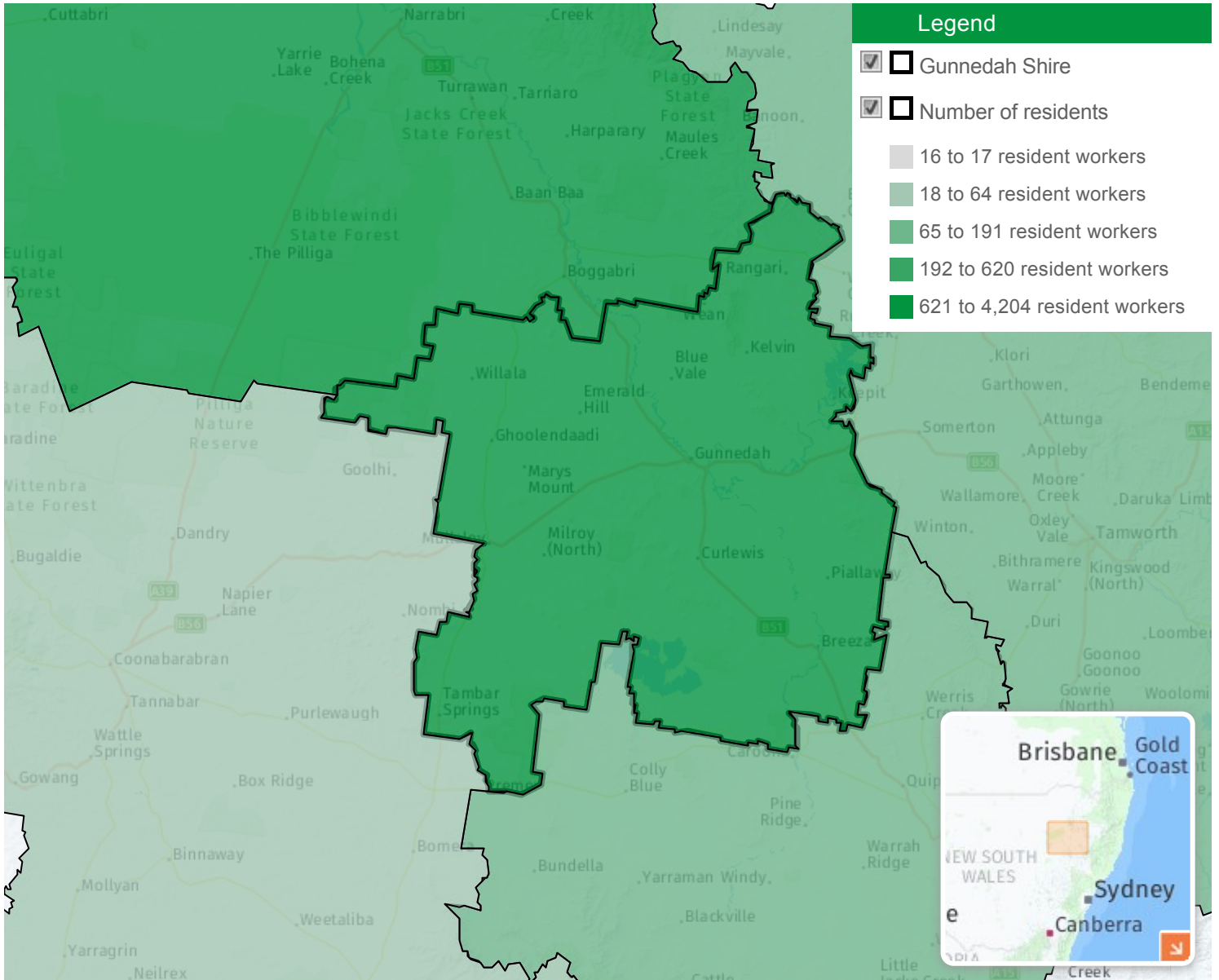


Source: Australian Bureau of Statistics, [Census of Population and Housing](#), 2016 (Usual residence data) Compiled and presented in [profile.id](#) by [.id](#), the population experts.

.id the population experts

Employment locations of resident workers by LGA by industry, 2016

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing 2016.
Compiled and presented in economy.id by .id, the population experts.

Employment location of resident workers by LGA by industry

Gunnedah Shire - All industries	NEW 2016	
	Number	Percentage
LGA		
Gunnedah (A)	4,204	78.4
Narrabri (A)	621	11.6
No Fixed Address (NSW)	192	3.6
Tamworth Regional (A)	165	3.1
Liverpool Plains (A)	65	1.2
Warrumbungle Shire (A)	18	0.3
Singleton (A)	16	0.3

Source: Australian Bureau of Statistics, Census of Population and Housing 2016. Compiled and presented in economy.id by .id, the population experts.
Excludes employment locations with fewer than 10 people.

Gunnedah Shire

Jobs to workers ratio

A goal of economic development is often to maximise the employment opportunities locally, leading to a more socially and environmentally sustainable community.

Employment capacity is a simple way of looking at whether the Gunnedah Shire could theoretically provide jobs for all its residents if they were to choose to work locally.

Employment capacity is simply the number of local jobs in an industry, divided by the number of local residents employed (anywhere) in that industry. A figure over 1.0 means there are more jobs available than residents employed in that industry. Under 1.0 means there are more residents employed than jobs available in that sector.

This is a theoretical exercise as, even if there are enough jobs provided locally, there will always be some people who choose to commute out of the area.

Employment capacity data should be viewed in conjunction with [Self-containment](#) and [Residents place of work](#) data, which provides detail about the actual proportion of residents working locally, and [Gross Regional Product](#) and [Worker productivity](#) data which shows the economic contribution of residents and workers.

Employment capacity by industry

Gunnedah Shire	2015/16			2010/11		
Industry (Click rows to view sub-categories)	Local jobs	Employed residents	Ratio of jobs to residents	Local jobs	Employed residents	Ratio of jobs to residents
Agriculture, Forestry and Fishing	1,150	1,109	1.04	1,052	1,030	1.02
Mining	264	495	0.53	248	432	0.57
Manufacturing	371	410	0.91	400	426	0.94
Electricity, Gas, Water and Waste Services	54	76	0.72	54	71	0.76
Construction	329	311	1.06	367	354	1.04
Wholesale Trade	170	196	0.87	172	188	0.91
Retail Trade	572	581	0.99	544	554	0.98
Accommodation and Food Services	405	406	1.00	368	379	0.97
Transport, Postal and Warehousing	311	279	1.11	274	271	1.01
Information Media and Telecommunications	41	48	0.87	40	48	0.83
Financial and Insurance Services	80	76	1.06	80	75	1.07
Rental, Hiring and Real Estate Services	91	94	0.96	83	88	0.94
Professional, Scientific and Technical Services	205	205	1.00	201	196	1.03
Administrative and Support Services	126	133	0.95	110	122	0.90
Public Administration and Safety	318	322	0.99	292	313	0.93
Education and Training	456	468	0.97	432	442	0.98
Health Care and Social Assistance	493	555	0.89	483	524	0.92
Arts and Recreation Services	57	49	1.17	51	47	1.08
Other Services	273	285	0.96	263	273	0.96
Total industries	5,768	6,095	0.95	5,515	5,835	0.95

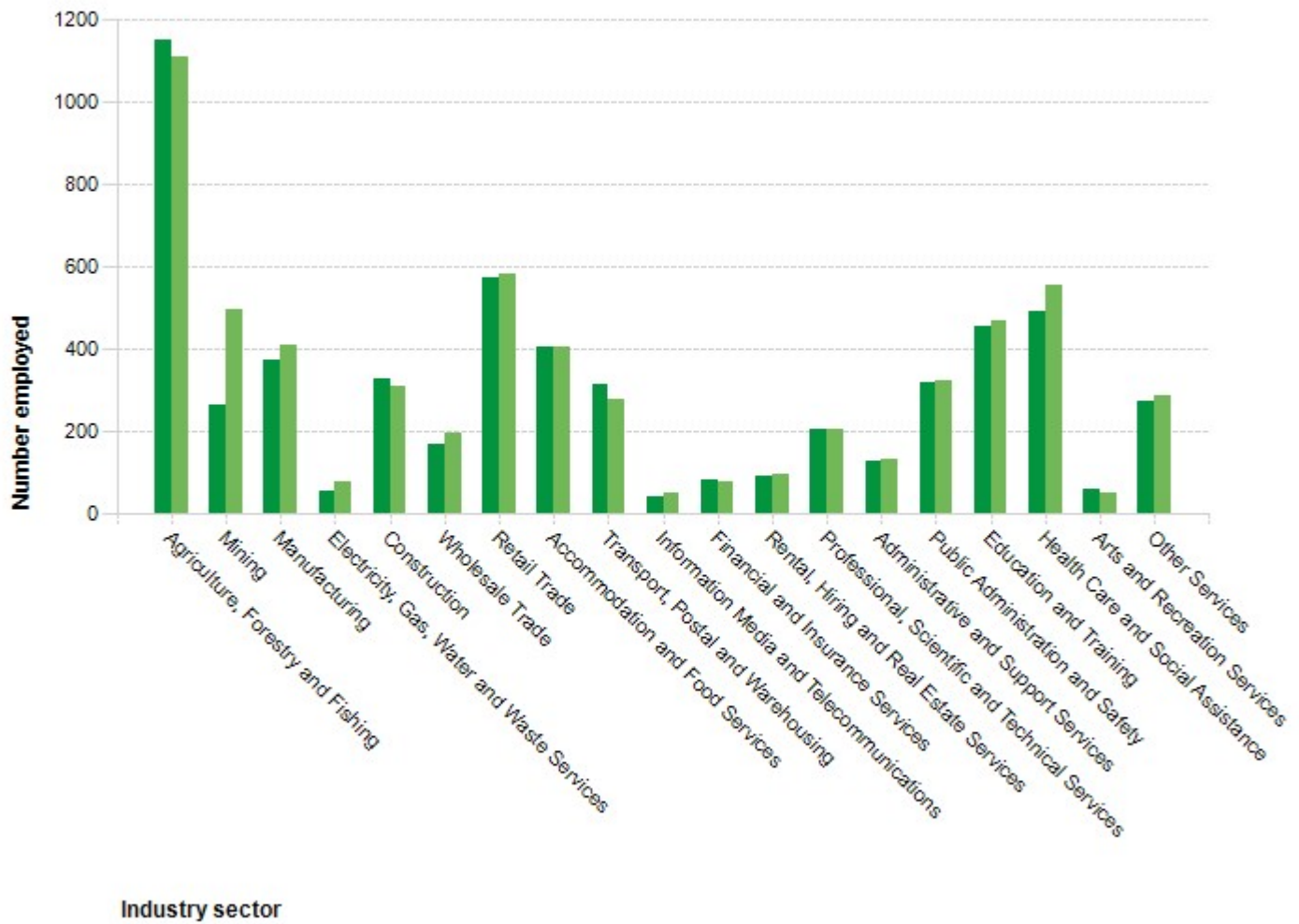
Source: [National Institute of Economic and Industry Research \(NIEIR\)](#) ©2016. Compiled and presented in economy.id by [.id](#), the population experts.

p Residents employment by industry by small area (2006-2011)

Employment capacity by industry 2015/16

Gunnedah Shire

Local jobs Employed residents



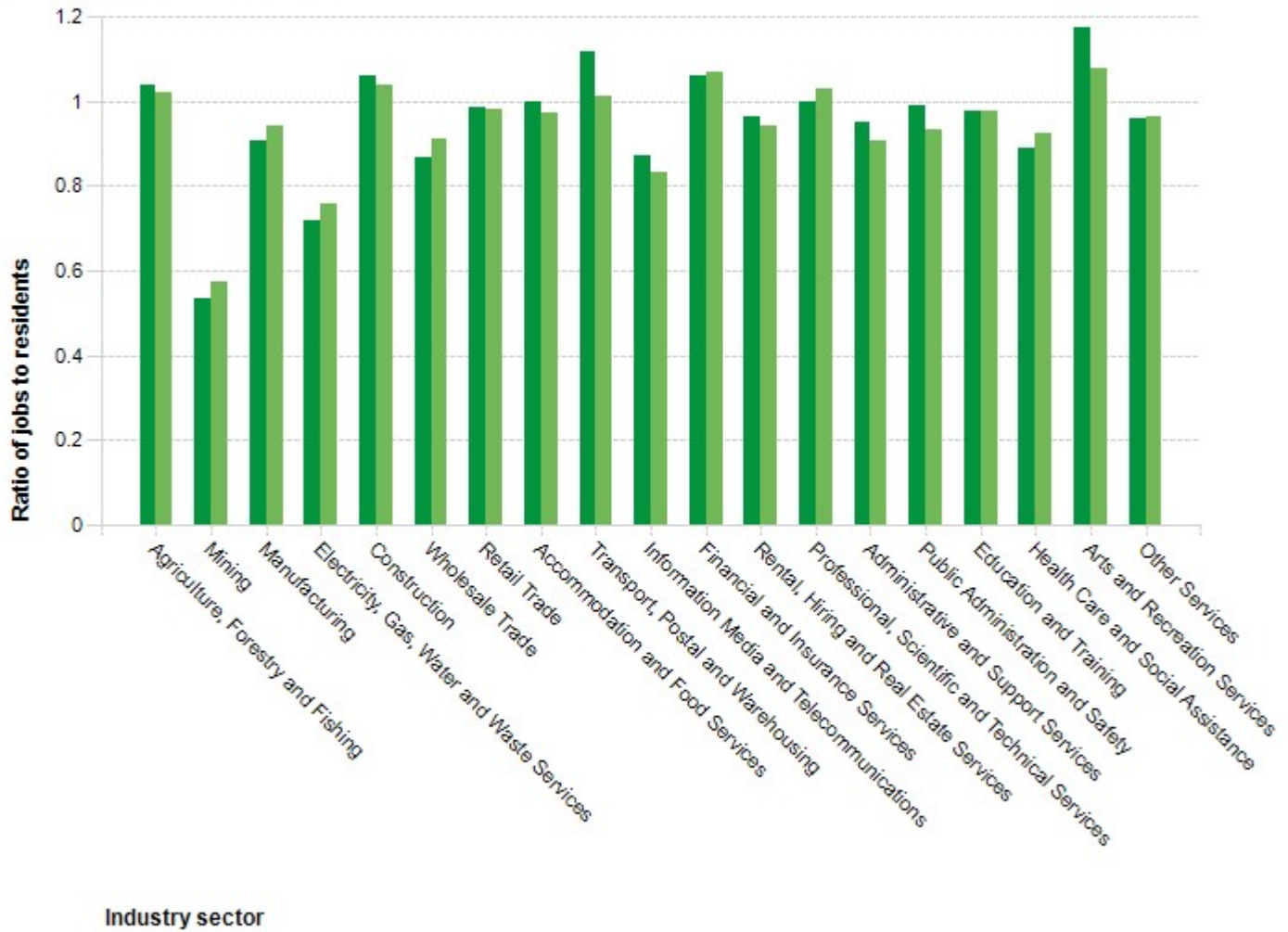
Source: National Institute of Economic and Industry Research (NIEIR) ©2016
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Employment capacity by industry 2015/16 and 2010/11

Gunnedah Shire

2015/16 2010/11



Source: National Institute of Economic and Industry Research (NIEIR) ©2016
 Compiled and presented in economy.id by .id the population experts

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Gunnedah Shire

Employment self-containment - Industry

Self-containment measures the proportion of resident workers who are employed within the boundaries of the Local Government Area or region. It indicates the propensity of residents to seek employment outside the Local Government Area or region in which they live.

Self containment is likely to be higher for regional areas and, lower in metropolitan areas and is influenced by:

- The nature of employment opportunities versus the skills and qualifications of residents;
- Transport options available and commuting times;
- Relationship between wages and salaries and house prices in the area; and
- The geographic size of the area.

Employment self-containment data should be viewed in conjunction with detailed [Residents place of work](#) data to see where resident workers are accessing employment, along with [Jobs to workers ratio](#) data which provides the theoretical number of jobs which could be provided to residents of the Gunnedah Shire in the local area, and is updated annually. The [Resident workers](#) section will provide the characteristics of resident workers.

Employment self-containment by industry

Gunnedah Shire	2011			2006			Change
	Total resident workers	Resident workers employed in the Gunnedah Shire	% resident workers employed in the Gunnedah Shire	Total resident workers	Resident workers employed in the Gunnedah Shire	% resident workers employed in the Gunnedah Shire	
Industry							2006 to 2011
Agriculture, Forestry and Fishing	881	748	84.9	850	685	80.6	+4.3%
Mining	393	151	38.4	118	47	39.8	-1.4%
Manufacturing	368	292	79.3	419	343	81.9	-2.5%
Electricity, Gas, Water and Waste Services	71	57	80.3	46	34	73.9	+6.4%
Construction	270	141	52.2	216	127	58.8	-6.6%
Wholesale Trade	140	121	86.4	146	119	81.5	+4.9%
Retail Trade	515	467	90.7	482	426	88.4	+2.3%
Accommodation and Food Services	356	330	92.7	306	286	93.5	-0.8%
Transport, Postal and Warehousing	249	183	73.5	219	162	74.0	-0.5%
Information Media and Telecommunications	27	27	100.0	45	40	88.9	+11.1%
Financial and Insurance Services	65	55	84.6	69	58	84.1	+0.6%
Rental, Hiring and Real Estate Services	65	60	92.3	67	60	89.6	+2.8%
Professional, Scientific and Technical Services	167	152	91.0	164	145	88.4	+2.6%
Administrative and Support Services	112	78	69.6	77	51	66.2	+3.4%
Public Administration and Safety	261	231	88.5	271	229	84.5	+4.0%
Education and Training	404	359	88.9	354	321	90.7	-1.8%
Health Care and Social Assistance	492	419	85.2	431	363	84.2	+0.9%
Arts and Recreation Services	33	33	100.0	35	35	100.0	0%
Other Services	227	205	90.3	216	202	93.5	-3.2%
Industry not classified	136	55	40.4	152	63	41.4	-1.0%
Total industries	5,232	4,164	79.6	4,683	3,796	81.1	-1.5%

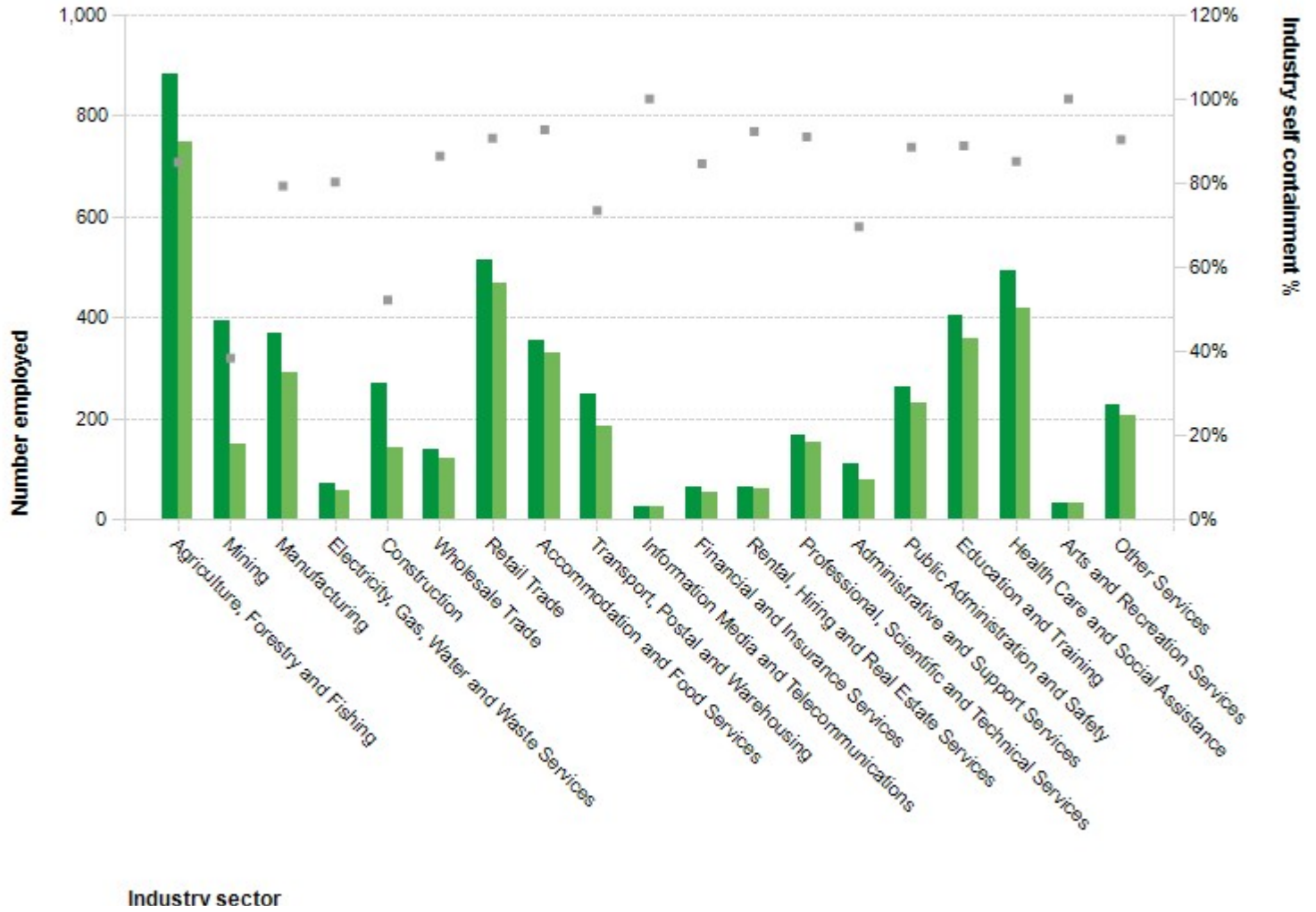
Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented in economy.id by [.id](#), the population experts.

p [Residents employment by industry by small area \(2006-2011\)](#)

Employment self-containment by industry 2011

Gunnedah Shire

■ Total resident workers
 ■ Resident workers employed locally
 ■ % of industry self-containment

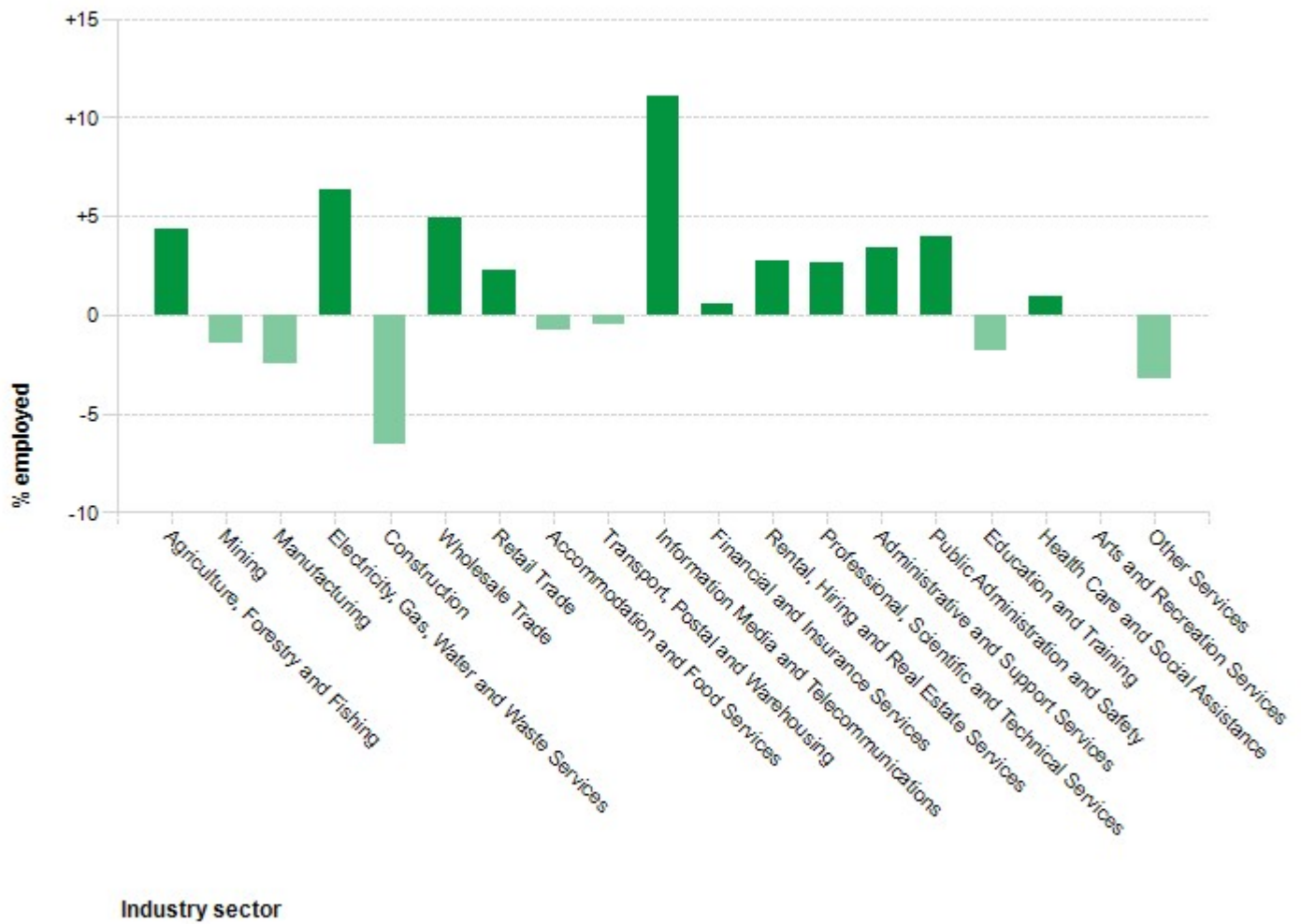


Source: National Institute of Economic and Industry Research (NIEIR) ©2016
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Change in self-containment percentage by industry, 2006 to 2011

Gunnedah Shire



Source: National Institute of Economic and Industry Research (NIEIR) ©2016
 Compiled and presented in economy.id by .id the population experts



Gunnedah Shire

Employment self-sufficiency - Industry

Self-sufficiency measures the proportion of local workers in the local area who also live in the Local Government Area or region. It indicates the level at which the resident workers meet the labour requirements of the local industries or businesses.

Self-sufficiency is likely to be higher for regional areas, lower in metropolitan areas and is influenced by:

- The nature of employment opportunities versus the skills and qualifications of residents;
- Transport options available and commuting times;
- Relationship between wages and salaries and house prices in the area; and
- The geographic size of the area.

Employment self-sufficiency data should be viewed in conjunction with detailed [Workers place of residence](#) data to see how far workers are travelling to access employment in the area, as well as [Worker productivity](#) and [Local workers income](#) and [Local workers hours worked](#) data to look at the value of local workers contributions. The [Resident workers](#) section will provide the characteristics of resident workers.

Employment self-sufficiency by industry

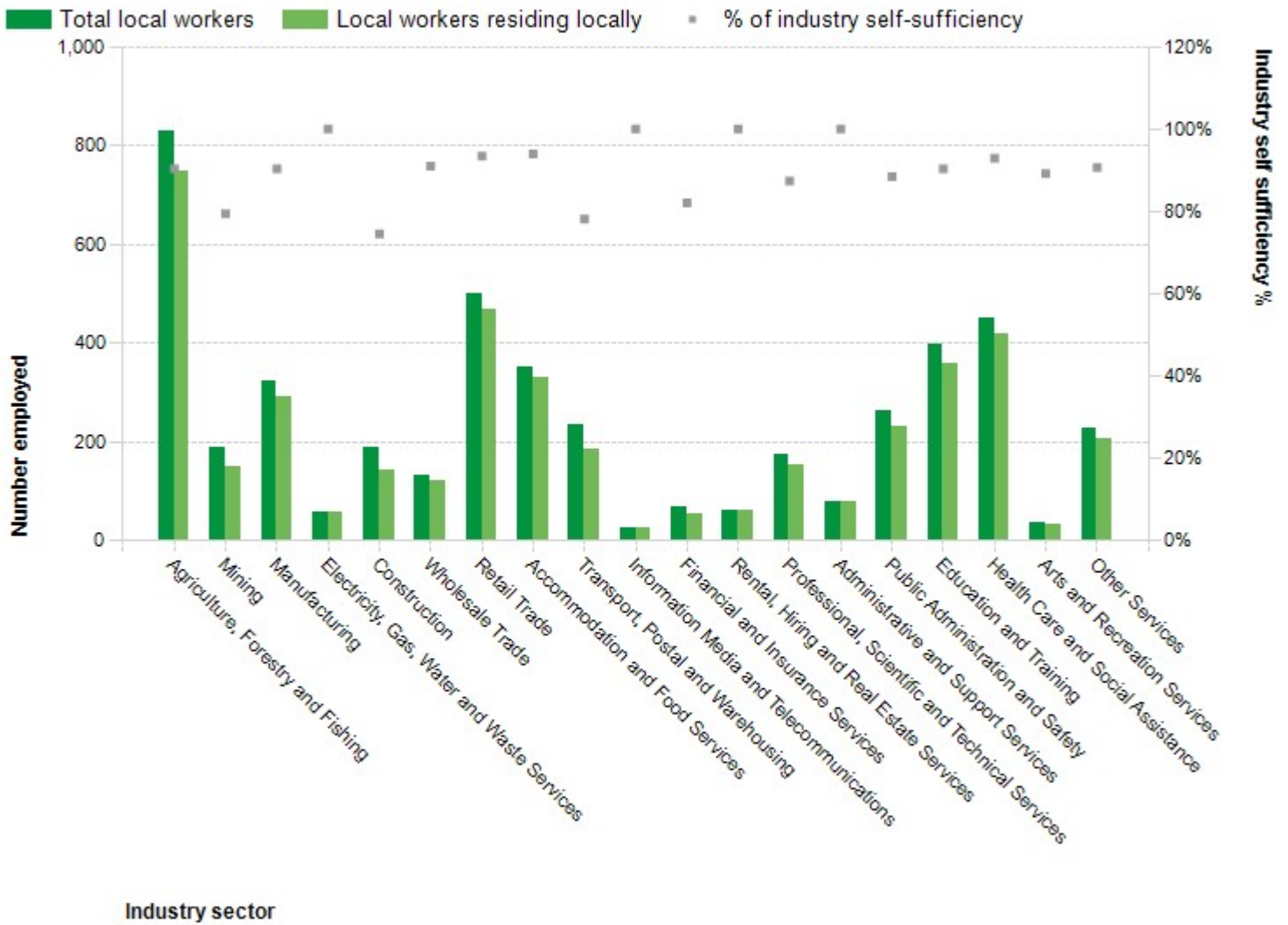
Gunnedah Shire	2011			2006			Change
	Total local workers	Local workers residing in the Gunnedah Shire	% industry self-sufficiency	Total local workers	Local workers residing in the Gunnedah Shire	% industry self-sufficiency	
Industry							2006 to 2011
Agriculture, Forestry and Fishing	828	748	90.3	834	685	82.1	+8.2%
Mining	190	151	79.5	55	47	85.5	-6.0%
Manufacturing	323	292	90.4	361	343	95.0	-4.6%
Electricity, Gas, Water and Waste Services	57	57	100.0	39	34	87.2	+12.8%
Construction	189	141	74.6	167	127	76.0	-1.4%
Wholesale Trade	133	121	91.0	127	119	93.7	-2.7%
Retail Trade	500	467	93.4	449	426	94.9	-1.5%
Accommodation and Food Services	351	330	94.0	291	286	98.3	-4.3%
Transport, Postal and Warehousing	234	183	78.2	173	162	93.6	-15.4%
Information Media and Telecommunications	27	27	100.0	40	40	100.0	0%
Financial and Insurance Services	67	55	82.1	66	58	87.9	-5.8%
Rental, Hiring and Real Estate Services	60	60	100.0	60	60	100.0	0%
Professional, Scientific and Technical Services	174	152	87.4	168	145	86.3	+1.1%
Administrative and Support Services	78	78	100.0	56	51	91.1	+8.9%
Public Administration and Safety	261	231	88.5	250	229	91.6	-3.1%
Education and Training	397	359	90.4	353	321	90.9	-0.5%
Health Care and Social Assistance	451	419	92.9	379	363	95.8	-2.9%
Arts and Recreation Services	37	33	89.2	40	35	87.5	+1.7%
Other Services	226	205	90.7	216	202	93.5	-2.8%
Industry not classified	55	55	100.0	63	63	100.0	0%
Total industries	4,638	4,164	89.8	4,187	3,796	90.7	-0.9%

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented in economy.id by [.id](#), the population experts.

p [Residents employment by industry by small area \(2006-2011\)](#)

Employment self-sufficiency by industry 2011

Gunnedah Shire

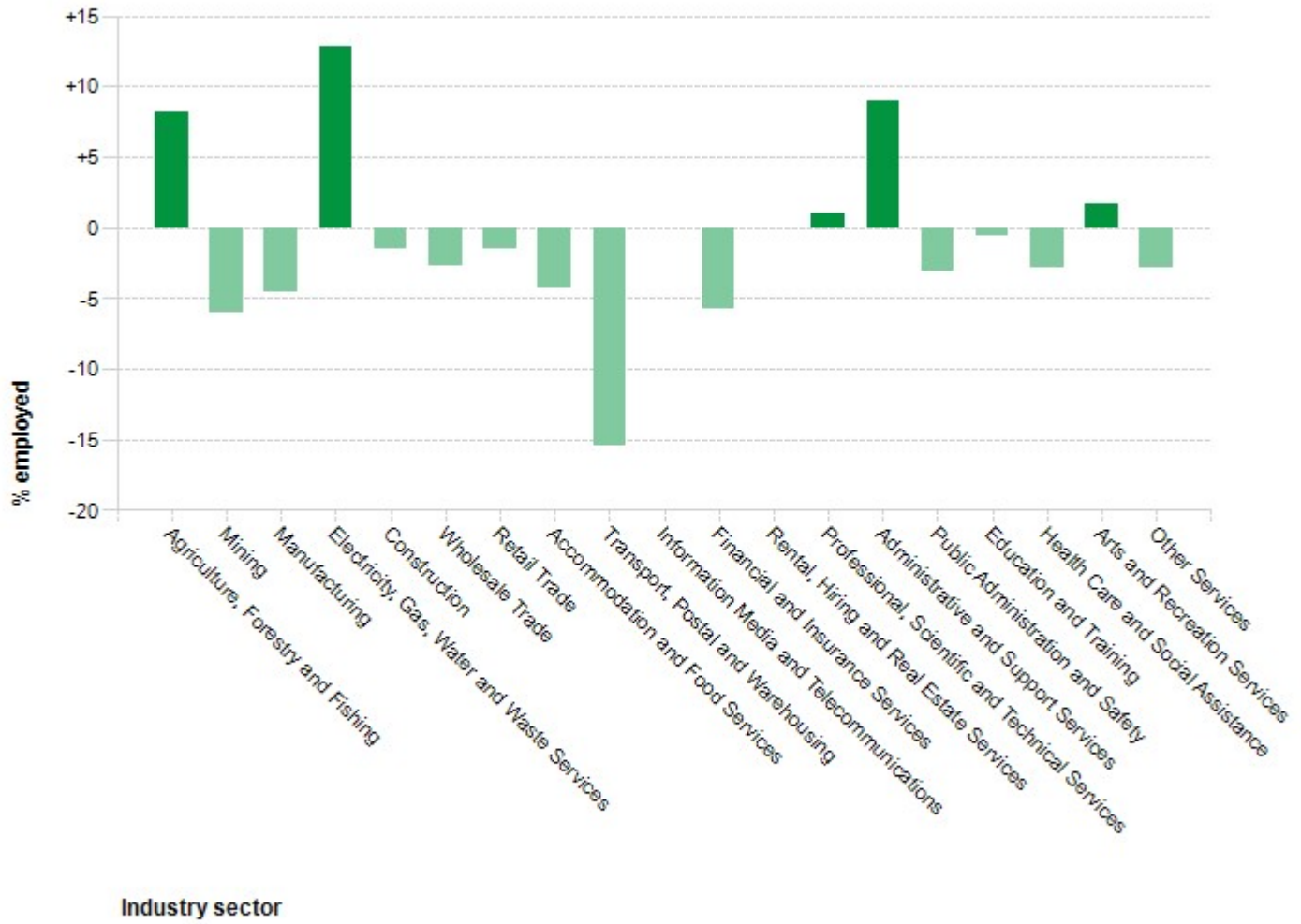


Source: Australian Bureau of Statistics, Census of Population and Housing 2011.

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Change in self-sufficiency percentage by industry, 2006 to 2011

Gunnedah Shire



Source: Australian Bureau of Statistics, Census of Population and Housing 2006 and 2011.

.id the population experts

Gunnedah Shire

Local workers - Key statistics - All industries

The local workers are made up of all the people who are employed in the local area, regardless of where they live. Local workers statistics reveal how the characteristics of the local workers in the Gunnedah Shire vary between each industry sector and indicates specific industry sector local worker requirements and employment opportunities. Access the detailed tables for further exploration of each characteristic.

NOTE: All tables in the local workers section are based on Census employment data which differ from the NIEIR employment estimates. See data notes for more details.

Local workers key statistics - All industries

Gunnedah Shire	2011			2006			Change
Name	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011
Local workers	--	--	--	--	--	--	--
Total local workers (Census)	4,633	100.0	100.0	4,185	100.0	100.0	+448
▪ Males	2,485	53.6	53.2	2,249	53.7	53.6	+236
▪ Females	2,148	46.4	46.8	1,936	46.3	46.4	+212
Age structure	--	--	--	--	--	--	--
15 - 24 years	718	15.5	14.4	638	15.2	15.4	+80
25 - 54 years	2,830	61.1	67.8	2,713	64.8	69.2	+117
55 - 64 years	833	18.0	14.5	641	15.3	12.9	+192
65 years and over	252	5.4	3.4	193	4.6	2.6	+59
Top three industries	--	--	--	--	--	--	--
Agriculture, forestry and fishing	824	17.6	2.2	833	19.6	2.7	-9
Retail trade	500	10.7	10.4	453	10.6	11.2	+47
Health care and social assistance	450	9.6	11.6	378	8.9	10.5	+72
Top three occupations	--	--	--	--	--	--	--
Managers	950	20.5	13.5	1,010	24.1	14.0	-60
Professionals	646	13.9	23.0	554	13.2	21.7	+92
Labourers	573	12.4	8.6	593	14.2	9.3	-20
Hours worked	--	--	--	--	--	--	--
Full time	2,964	64.0	64.6	2,735	65.4	65.5	+229
Part time	1,599	34.5	34.0	1,368	32.7	32.6	+231
Qualifications	--	--	--	--	--	--	--
Bachelor or higher degree	636	13.7	28.2	504	12.0	24.4	+132
Advanced diploma or diploma	370	8.0	10.6	326	7.8	9.8	+44
Certificate level	1,277	27.6	22.3	1,063	25.4	21.9	+214
No qualifications	2,263	48.8	34.6	2,018	48.2	38.3	+245
Individual Income	--	--	--	--	--	--	--
\$0-\$599	1,712	37.0	27.7	--	--	--	--
\$600 -\$1249	1,888	40.8	39.8	--	--	--	--
\$1250 or more	945	20.4	31.1	--	--	--	--
Method of Travel to Work	--	--	--	--	--	--	--
Car	3,209	69.3	62.9	2,658	63.5	62.4	+551
Public Transport	18	0.4	13.8	14	0.3	12.4	+4
Bicycle	18	0.4	0.8	16	0.4	0.7	+2
Walked only	249	5.4	4.1	303	7.2	4.5	-54
Other Characteristics	--	--	--	--	--	--	--
Born overseas	229	4.9	29.9	183	4.4	27.6	+46
Speaks a language other than English at home	97	2.1	22.4	45	1.1	19.5	+52
Arrived between 2006 and 2011	43	0.9	5.3	--	--	--	--

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

Gunnedah Shire

Local workers - Age structure - All industries

The Age Structure of an industry's local workers is a key component to understanding the role and function of that industry in Gunnedah Shire. It is an indicator of the age of the industry and how long it has been established in the area, as well as the possible challenges in expanding that industry in the future.

For example an area with young local workers may be more mobile and likely to change jobs/industries in the future while an industry with an older local workers may face succession planning issues and challenges in attracting new staff.

For a complete local workers analysis for Gunnedah Shire, Age Structure should be viewed in conjunction with [Income](#) and [Hours worked](#).

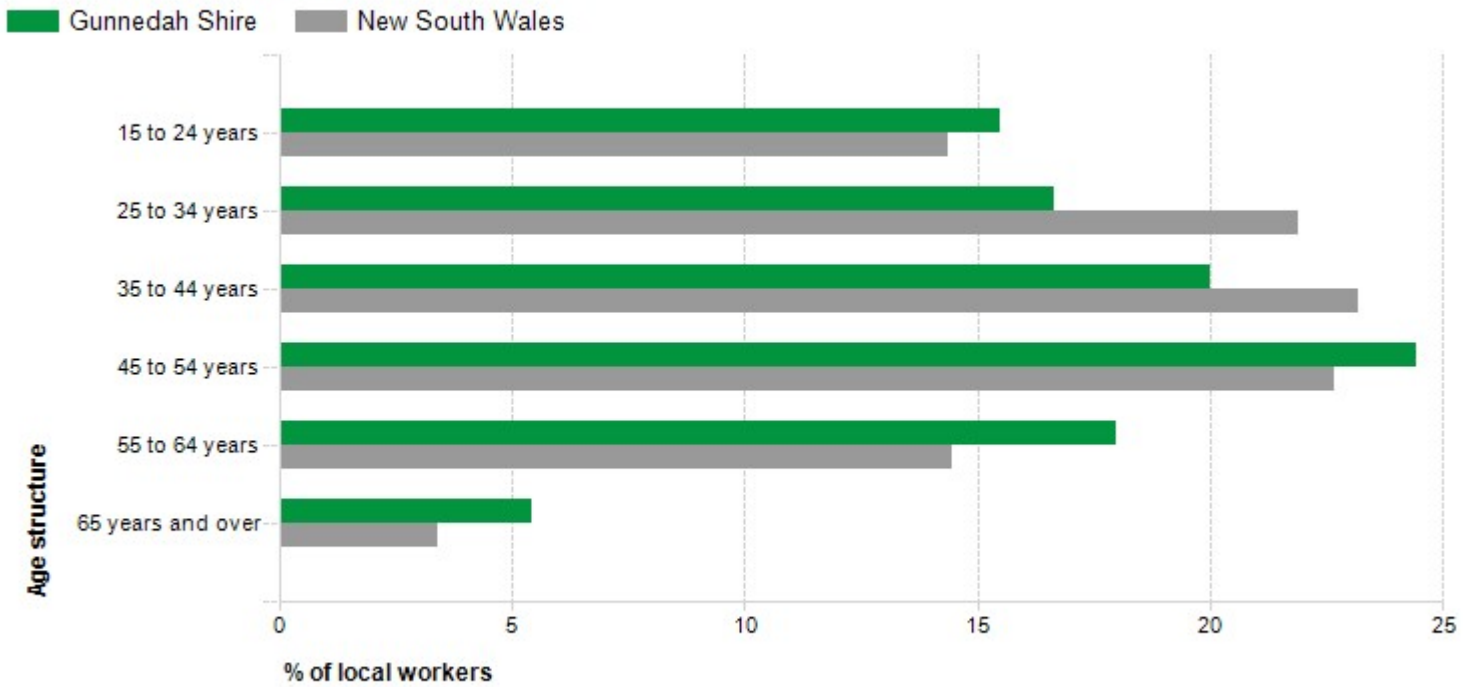
Local workers age structure

Gunnedah Shire - All industries	2011			2006			Change
	Number	%	New South Wales %	Number	%	New South Wales %	
Ten year age groups (years)							2006 to 2011
15 to 24 years	718	15.5	14.4	638	15.2	15.4	+80
25 to 34 years	772	16.7	21.9	654	15.6	21.9	+118
35 to 44 years	926	20.0	23.2	945	22.6	24.2	-19
45 to 54 years	1,132	24.4	22.7	1,114	26.6	23.1	+18
55 to 64 years	833	18.0	14.5	641	15.3	12.9	+192
65 years and over	252	5.4	3.4	193	4.6	2.6	+59
Total persons	4,633	100.0	100.0	4,185	100.0	100.0	+448

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

Local workers age structure, 2011

Gunnedah Shire - All industries

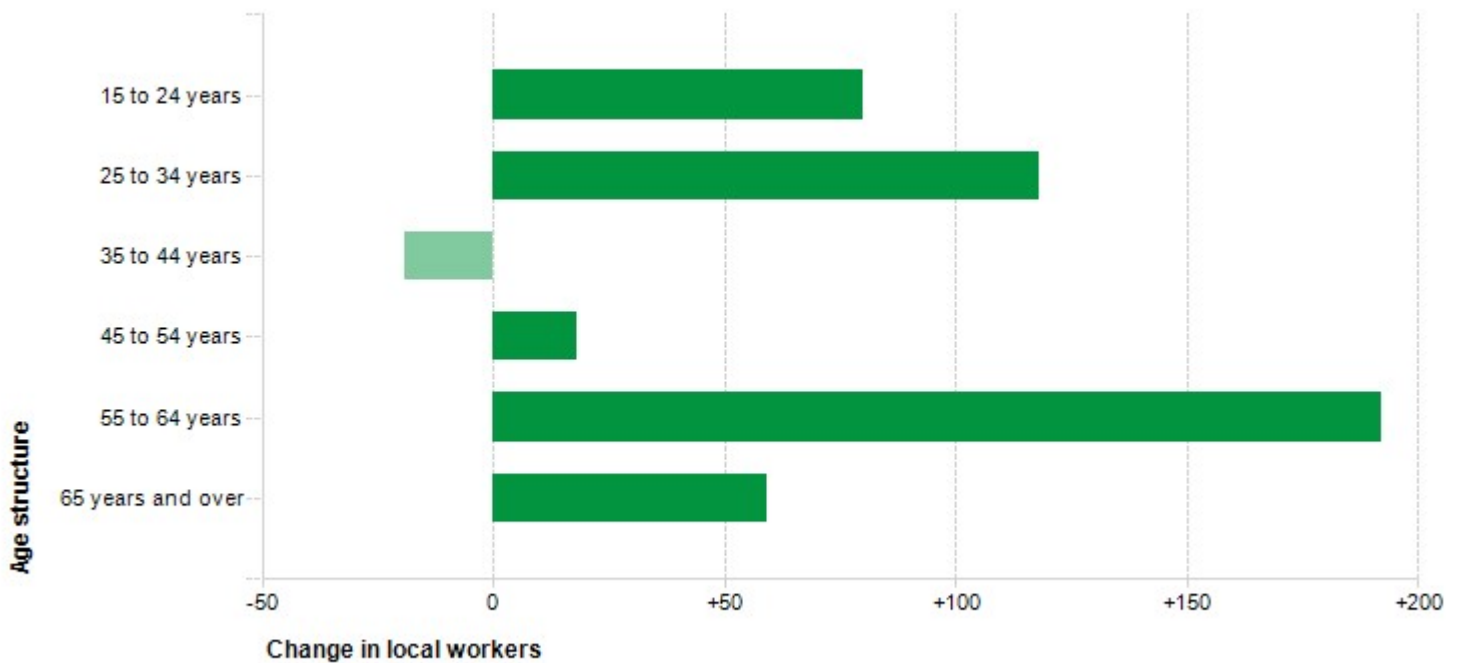


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
Compiled and presented in economy.id by .id, the population experts.



Change in local workers age structure, 2006 to 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
Compiled and presented in economy.id by .id, the population experts.



Dominant groups

Analysis of the age structure of the workforce in the Gunnedah Shire in 2011 compared to New South Wales shows that there was a lower proportion of people in the younger age groups (15 to 44 years) and a higher proportion of people in the older age groups (45 years and over).

Overall, 52.1% of the workforce was aged under 45 years, compared to 59.4% for New South Wales. 47.9% were aged 45 years and over, compared to 40.6% for New South Wales.

The major differences between the age structure of the workforce in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers aged 55 to 64 years (18.0% compared to 14.5%)
- A *larger* percentage of local workers aged 65 years and over (5.4% compared to 3.4%)
- A *smaller* percentage of local workers aged 25 to 34 years (16.7% compared to 21.9%)
- A *smaller* percentage of local workers aged 35 to 44 years (20.0% compared to 23.2%)

Emerging groups

The largest changes in the age structure of the workforce in the Gunnedah Shire between 2006 and 2011 were:

- 55 to 64 years (+192 local workers)
- 25 to 34 years (+118 local workers)
- 15 to 24 years (+80 local workers)
- 65 years and over (+59 local workers)

Gunnedah Shire

Local workers - Hours worked - All industries

Hours Worked statistics shows the distribution of employment hours in Gunnedah Shire across each industry sector. Full-time employment is considered 35-hours and over.

The hours worked by employed people in a particular industry depend on a number of factors:

- The availability and take-up of part-time work in the industry;
- The demands of jobs in the industry and requirement to work overtime;
- The age and family responsibilities of people working in the industry; and
- The gender profile of workers in the industry (due to family commitments, females are often more likely to work part-time).

Hours Worked data should be viewed in conjunction with [Age structure](#), [Occupation](#) and [Income](#).

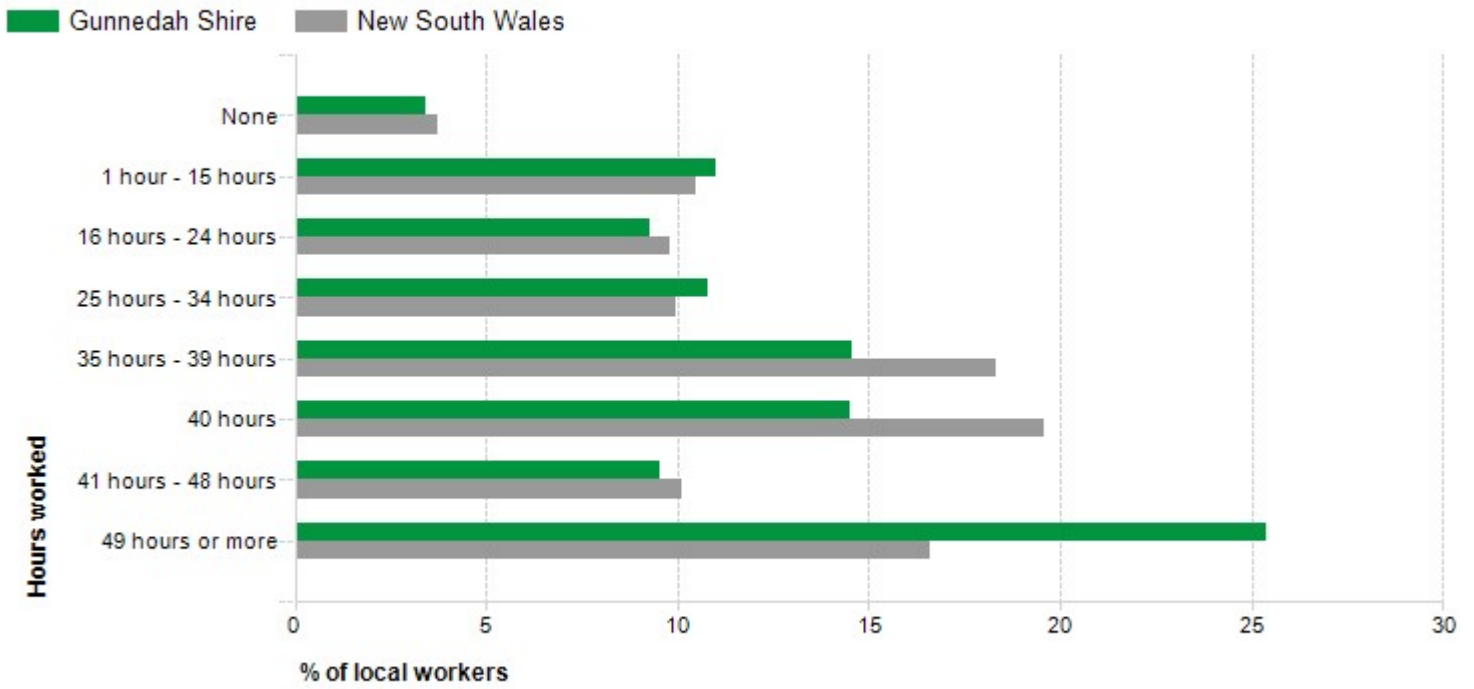
Local workers hours worked

Gunnedah Shire - All industries	2011			2006			Change
Hours worked	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011
None	158	3.4	3.7	138	3.3	3.4	+20
1 hour - 15 hours	510	11.0	10.5	480	11.5	10.4	+30
16 hours - 24 hours	430	9.3	9.8	370	8.8	9.3	+60
25 hours - 34 hours	501	10.8	9.9	380	9.1	9.5	+121
35 hours - 39 hours	675	14.6	18.3	616	14.7	17.3	+59
40 hours	671	14.5	19.6	611	14.6	19.4	+60
41 hours - 48 hours	443	9.6	10.1	435	10.4	11.0	+8
49 hours or more	1,175	25.4	16.6	1,073	25.6	17.8	+102
Not stated	70	1.5	1.5	83	2.0	1.9	-13
Total persons	4,633	100.0	100.0	4,186	100.0	100.0	+447

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

Local workers hours worked, 2011

Gunnedah Shire - All industries

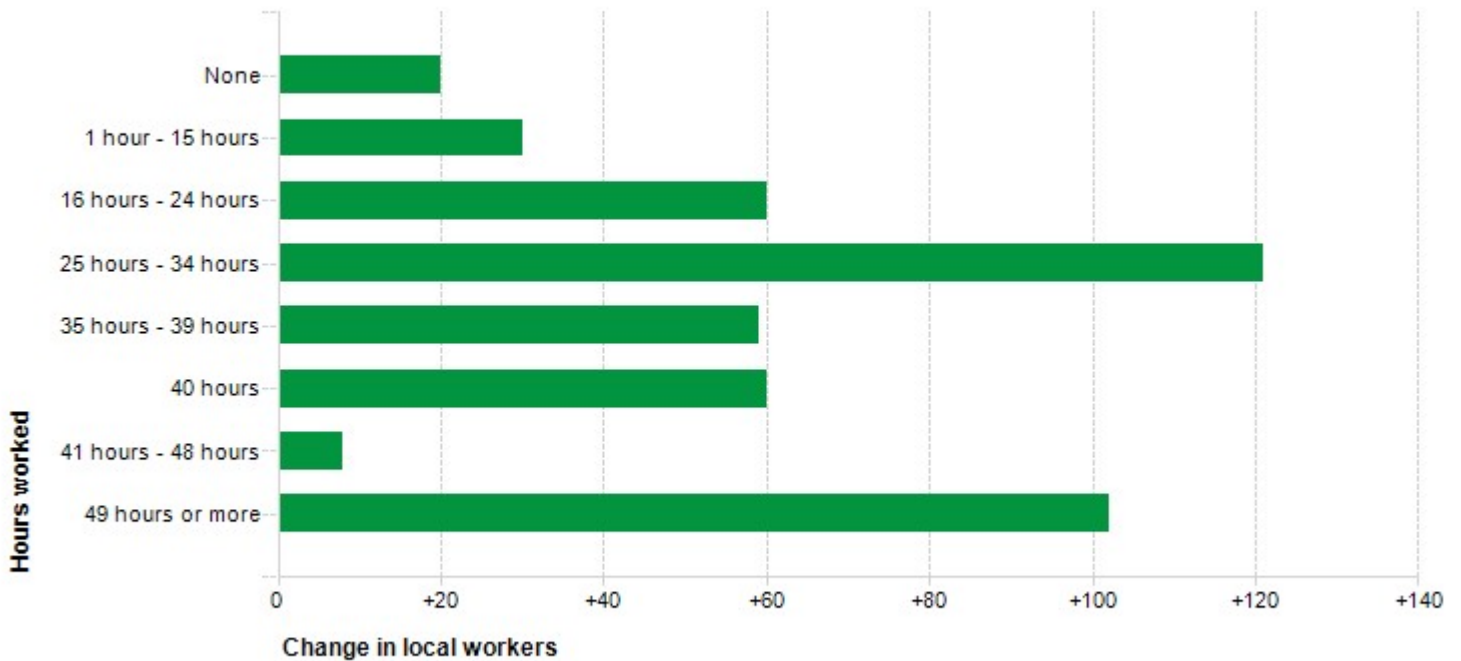


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
Compiled and presented in economy.id by .id, the population experts.



Change in local workers hours worked, 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
Compiled and presented in economy.id by .id, the population experts.



Dominant groups

Analysis of the hours worked by the workforce in the Gunnedah Shire in 2011 compared to New South Wales shows that there was a higher proportion who worked part-time (34 hours or less) and a lower proportion who worked full-time (35 hours or more).

Overall, 34.5% of the workforce worked part-time (34 hours or less) , and 64.0% worked full-time (35 hours or more), compared with 34.0% and 64.6% respectively for New South Wales.

The major differences between the hours worked by the in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers who worked 49 hours or more (25.4% compared to 16.6%)
- A *larger* percentage of local workers who worked 25 hours - 34 hours (10.8% compared to 9.9%)
- A *smaller* percentage of local workers who worked 40 hours (14.5% compared to 19.6%)
- A *smaller* percentage of local workers who worked 35 hours - 39 hours (14.6% compared to 18.3%)

Emerging groups

The largest changes in the hours worked by the in the Gunnedah Shire between 2006 and 2011 were:

- 25 hours - 34 hours (+121 local workers)
- 49 hours or more (+102 local workers)
- 16 hours - 24 hours (+60 local workers)
- 40 hours (+60 local workers)

Gunnedah Shire

Local workers - Occupations - All industries

Occupation is a key component for evaluating the socio-economic status of the local workers and the skills required to work in each industry sector.

The occupations of the local workers in Gunnedah Shire will be influenced by factors including:

- The economic base and employment opportunities available in Gunnedah Shire;
- The age of the workforce;
- The skill and qualification level required to enter an industry; and
- The working and social aspirations of the population.

For a complete local workers analysis for Gunnedah Shire, view Occupations in conjunction with other indicators, such as [Educational qualifications](#) and [Income](#).

Local workers occupations

Gunnedah Shire - All industries	2011			2006			Change
Occupations (Click rows to view sub-categories)	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011
Managers	970	20.9	13.5	1,002	23.9	14.0	-32
Professionals	635	13.7	23.0	559	13.4	21.7	+76
Technicians and Trades Workers	544	11.7	13.2	478	11.4	13.5	+66
Community and Personal Service Workers	438	9.5	9.6	348	8.3	8.6	+90
Clerical and Administrative Workers	540	11.7	15.2	492	11.8	15.7	+48
Sales Workers	436	9.4	9.4	369	8.8	9.8	+67
Machinery Operators And Drivers	478	10.3	6.3	330	7.9	6.3	+148
Labourers	566	12.2	8.6	596	14.2	9.3	-30
Inadequately described or not stated	27	0.6	1.1	12	0.3	1.0	+15
Total persons	4,634	100.0	100.0	4,186	100.0	100.0	+448

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

p Residents occupation by small area (2006-2011)

Local workers occupations, 2011

Gunnedah Shire - All industries

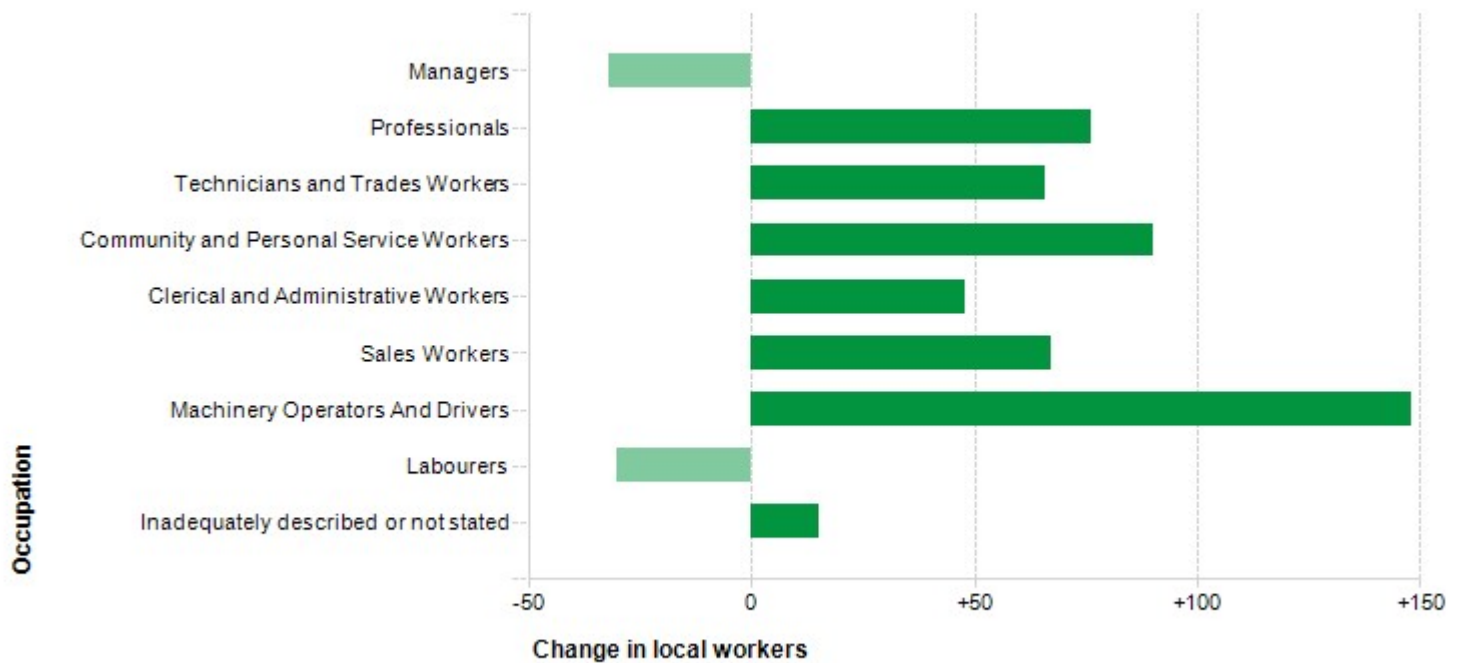


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
Compiled and presented in economy.id by .id, the population experts.

.id the population experts

Change in local workers occupations, 2006 to 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
Compiled and presented in economy.id by .id, the population experts.

.id the population experts

Dominant groups

An analysis of the jobs held by the in Gunnedah Shire in 2011 shows the three most popular occupations were:

- Managers (970 local workers or 20.9%)
- Professionals (635 local workers or 13.7%)
- Labourers (566 local workers or 12.2%)

In combination these three occupations accounted for 2,171 people in total or 46.8% of the local workers .

In comparison, New South Wales employed 13.5% as Managers; 23.0% as Professionals; and 8.6% as Labourers.

The major differences between the jobs held by the in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers employed as Managers (20.9% compared to 13.5%)
- A *larger* percentage of local workers employed as Machinery Operators And Drivers (10.3% compared to 6.3%)
- A *smaller* percentage of local workers employed as Professionals (13.7% compared to 23.0%)
- A *smaller* percentage of local workers employed as Clerical and Administrative Workers (11.7% compared to 15.2%)

Emerging groups

The largest changes in the jobs held by the in the Gunnedah Shire between 2006 and 2011 were:

- Machinery Operators And Drivers (+148 local workers)
- Community and Personal Service Workers (+90 local workers)
- Professionals (+76 local workers)
- Sales Workers (+67 local workers)

Gunnedah Shire

Local workers - Qualifications - All industries

Qualification levels help to evaluate the economic opportunities and socio-economic status of local workers in a particular industry.

The level of qualifications in a workforce relate to a number of factors including:

- The age of the workforce;
- The skill and qualification level required to enter an industry;
- The professional or working ambitions of people (to seek education as youth or retraining as adults);
- The opportunities afforded to people to continue studying beyond compulsory schooling.

Educational Qualification statistics should be looked at in conjunction with [Field of qualification](#) and [Occupation](#) data for a full education analysis for Gunnedah Shire.

Local workers qualifications

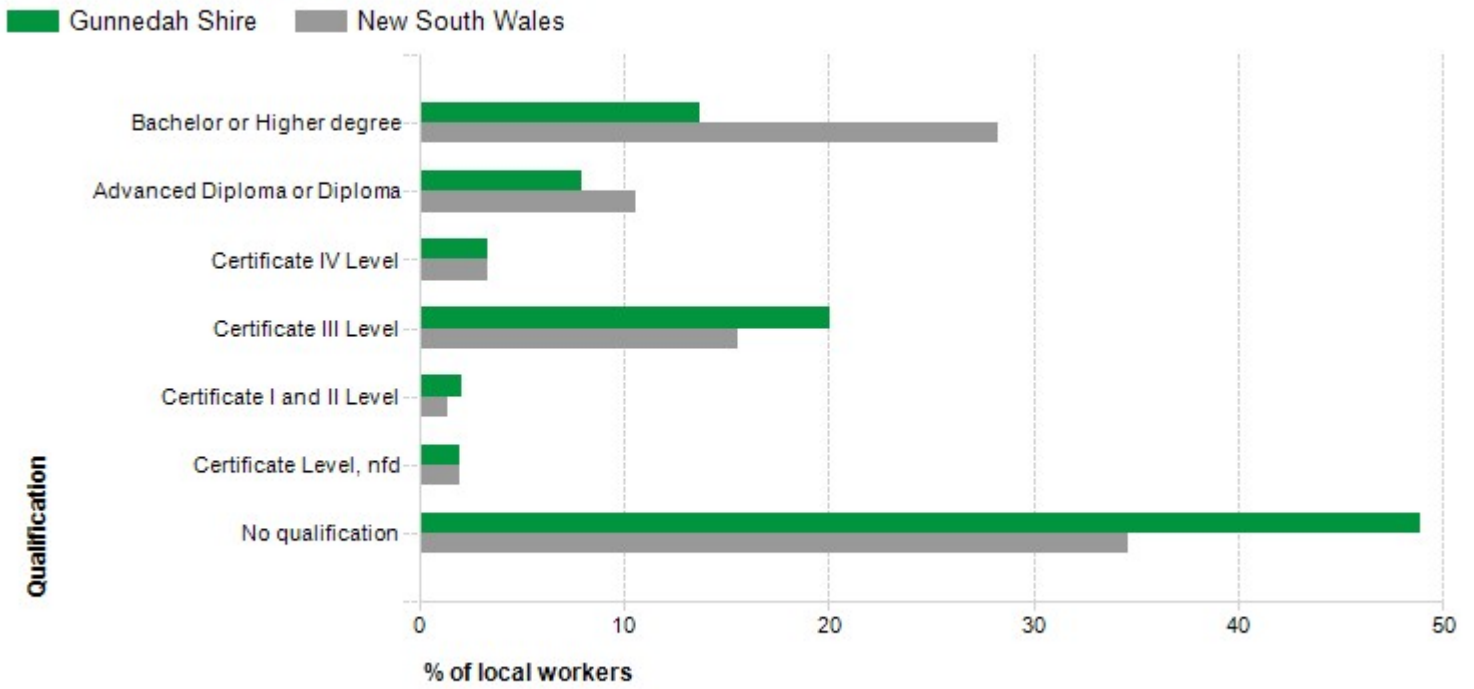
Gunnedah Shire - All industries	2011			2006			Change
Qualification level	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011
Bachelor or Higher degree	636	13.7	28.2	504	12.0	24.4	+132
Advanced Diploma or Diploma	370	8.0	10.6	326	7.8	9.8	+44
Certificate IV Level	156	3.4	3.3	113	2.7	2.5	+43
Certificate III Level	930	20.1	15.6	766	18.3	15.6	+164
Certificate I and II Level	97	2.1	1.4	89	2.1	1.5	+8
Certificate Level, nfd	94	2.0	2.0	95	2.3	2.4	-1
No qualification	2,263	48.8	34.6	2,018	48.2	38.3	+245
Inadequately described or not stated	87	1.9	4.2	274	6.5	5.5	-187
Total persons	4,633	100.0	100.0	4,185	100.0	100.0	+448

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

[Residents qualifications by small area \(2001-2011\)](#)

Local workers qualification, 2011

Gunnedah Shire - All industries

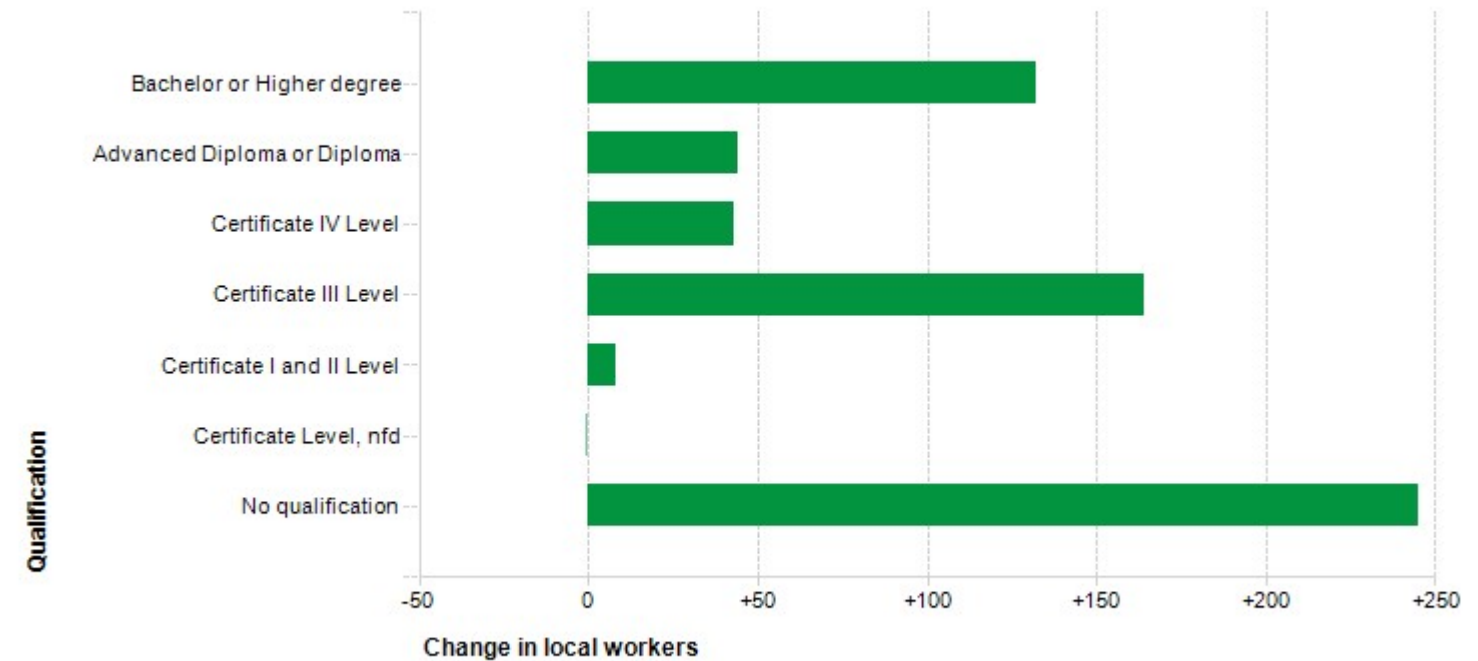


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
 Compiled and presented in economy.id by .id, the population experts.



Change in local workers qualification, 2006 to 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
 Compiled and presented in economy.id by .id, the population experts.



Dominant groups

Analysis of the qualifications of the in the Gunnedah Shire in 2011 compared to New South Wales shows that there was a lower proportion holding formal qualifications (Bachelor or higher degree; Advanced Diploma or Diploma; or Vocational qualifications), and a higher proportion with no formal qualifications.

Overall, 49.3% of the held educational qualifications, and 48.8% had no qualifications, compared with 61.2% and 34.6% respectively for New South Wales.

The major differences between the qualifications held by the in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers with No qualifications (48.8% compared to 34.6%)
- A *larger* percentage of local workers with Certificate III Levels (20.1% compared to 15.6%)
- A *smaller* percentage of local workers with Bachelor or Higher degrees (13.7% compared to 28.2%)
- A *smaller* percentage of local workers with Advanced Diploma or Diplomas (8.0% compared to 10.6%)

Emerging groups

The largest changes in the qualifications held by the in the Gunnedah Shire between 2006 and 2011 were:

- No qualifications (+245 local workers)
- Certificate III Levels (+164 local workers)
- Bachelor or Higher degrees (+132 local workers)
- Advanced Diploma or Diplomas (+44 local workers)

Gunnedah Shire

Local workers - Field of qualification - All industries

Field of Qualification presents the primary field of study for the highest qualification the person has received. While this is likely to have some relationship to the current occupation, this is not necessarily the case.

The field of study relates to a number of factors, such as:

- The age of the workforce;
- The type of qualification required to enter an industry;
- The availability of jobs related to fields of qualification in Gunnedah Shire;
- The types of occupations which are available in an area or industry.

The fields of qualification held by local workers in a particular industry are likely to show the type of skills required in that industry. Large numbers of a particular field of qualification in an industry may indicate that it is a pre-requisite for that industry. The presence of fields of qualification outside the main range of qualifications used in that industry may indicate that the industry values employees of a broad educational background, or that people haven't been able to find employment in their chosen field.

Field of Qualification information should be looked at in conjunction with [Level of qualification](#) and [Occupation](#) data for a clearer picture of the skills available for the local workers in Gunnedah Shire.

Local workers field of qualification - Summary

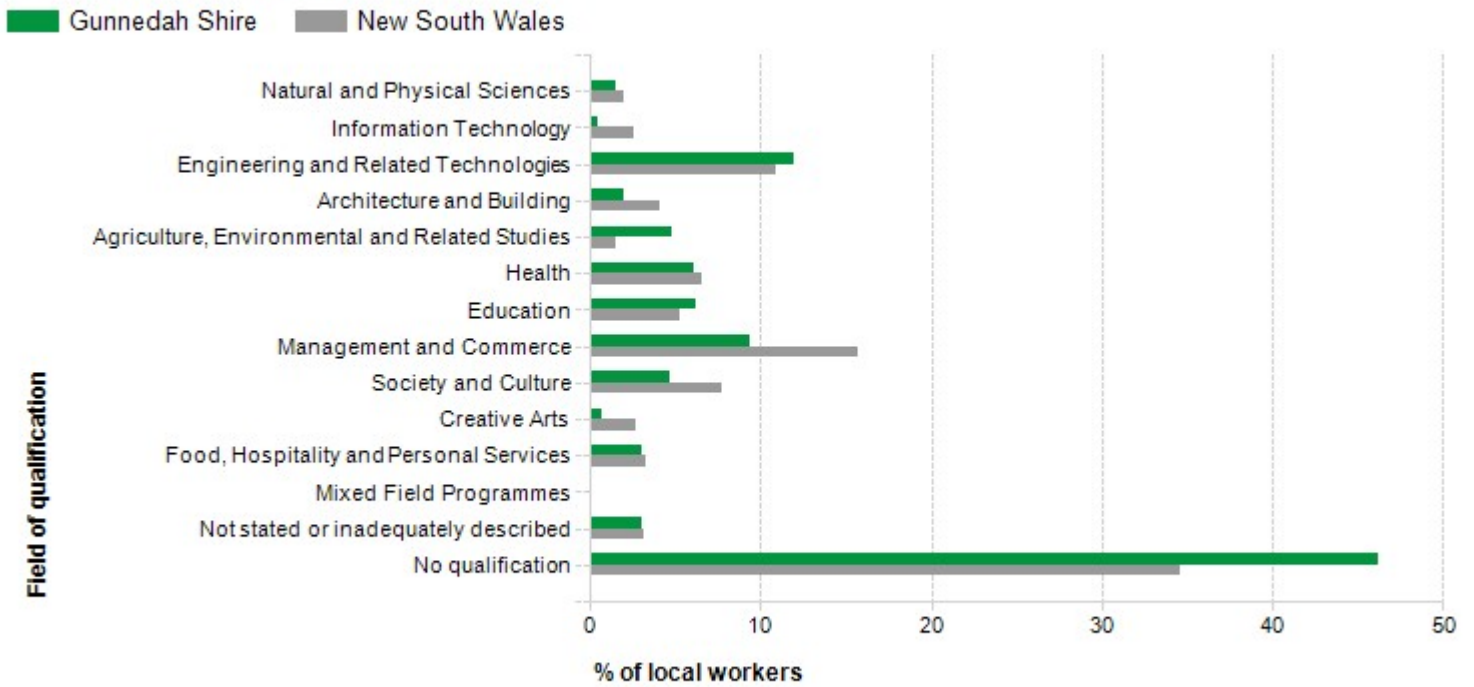
Gunnedah Shire - All industries	2011			2006			Change
Field of qualification (Click rows to view sub-categories)	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011
Natural and Physical Sciences	68	1.5	2.0	33	0.8	1.9	+35
Information Technology	22	0.5	2.6	18	0.4	2.3	+4
Engineering and Related Technologies	554	12.0	10.9	462	11.0	11.2	+92
Architecture and Building	92	2.0	4.0	95	2.3	3.9	-3
Agriculture, Environmental and Related Studies	222	4.8	1.5	196	4.7	1.5	+26
Health	282	6.1	6.5	231	5.5	5.9	+51
Education	289	6.2	5.2	245	5.9	5.1	+44
Management and Commerce	435	9.4	15.7	373	8.9	14.0	+62
Society and Culture	219	4.7	7.7	186	4.4	6.6	+33
Creative Arts	31	0.7	2.7	39	0.9	2.4	-8
Food, Hospitality and Personal Services	143	3.1	3.2	112	2.7	2.9	+31
Mixed Field Programmes	0	0.0	0.1	3	0.1	0.1	-3
Not stated or inadequately described	139	3.0	3.1	170	4.1	3.8	-31
No qualification	2,139	46.1	34.6	2,021	48.3	38.3	+118
Total persons	4,635	100.0	100.0	4,184	100.0	100.0	+451

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

p Residents qualifications by small area (2001-2011)

Local workers field of qualification, 2011

Gunnedah Shire - All industries

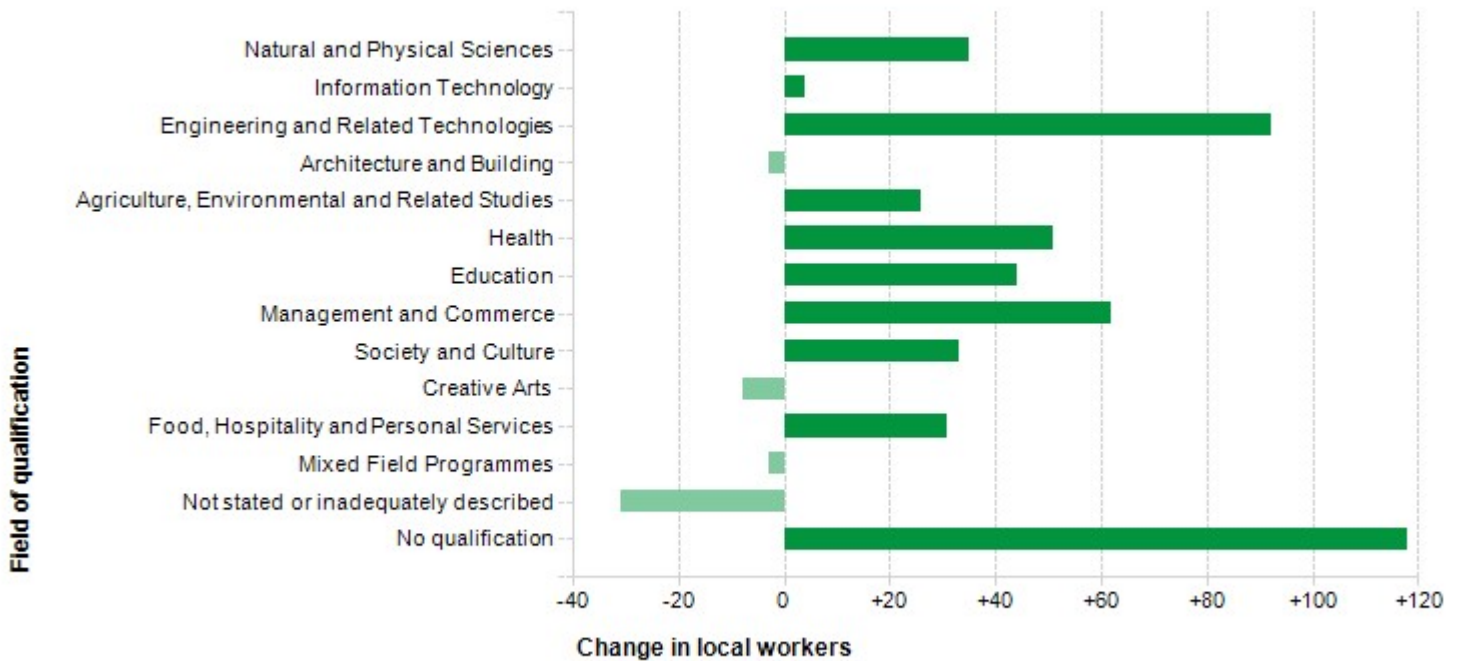


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
Compiled and presented in economy.id by .id, the population experts.



Change in local workers field of qualification, 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
Compiled and presented in economy.id by .id, the population experts.



Dominant groups

Analysis of the fields of qualifications of the shows that the three largest fields of qualification were:

- Engineering and Related Technologies (554 people or 12.0%)
- Management and Commerce (435 people or 9.4%)
- Education (289 people or 6.2%)

In combination these three fields accounted for 1,278 people in total or 27.6% of the .

In comparison, New South Wales employed 10.9% in Engineering and Related Technologies; 15.7% in Management and Commerce; and 5.2% in Education.

The major differences between the fields of qualifications of the in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers qualified in the field of Agriculture, Environmental and Related Studies (4.8% compared to 1.5%)
- A *smaller* percentage of local workers qualified in the field of Management and Commerce (9.4% compared to 15.7%)
- A *smaller* percentage of local workers qualified in the field of Society and Culture (4.7% compared to 7.7%)
- A *smaller* percentage of local workers qualified in the field of Information Technology (0.5% compared to 2.6%)

Emerging groups

The largest changes in fields of qualifications of the in the Gunnedah Shire between 2006 and 2011 were:

- Engineering and Related Technologies (+92 local workers)
- Management and Commerce (+62 local workers)
- Health (+51 local workers)
- Education (+44 local workers)

Gunnedah Shire

Local workers - Individual income - All industries

Individual Income is an indicator of socio-economic status, skills and occupations required in a particular industry. With other data sources, such as Qualifications and Occupation, it helps to evaluate the economic opportunities of people in an industry.

The amount of income an individual receives is linked to a number of factors including the person's employment status, age, qualifications and type of employment undertaken by the person.

Wages in Gunnedah Shire can vary greatly across industry sectors. As well as being related to the type of jobs and qualifications required in a particular industry, income levels can be related to the level of part-time employment, Occupations, Qualifications and the Age structure of the local workers, so the data should be looked at in conjunction with these topics.

Local workers individual income

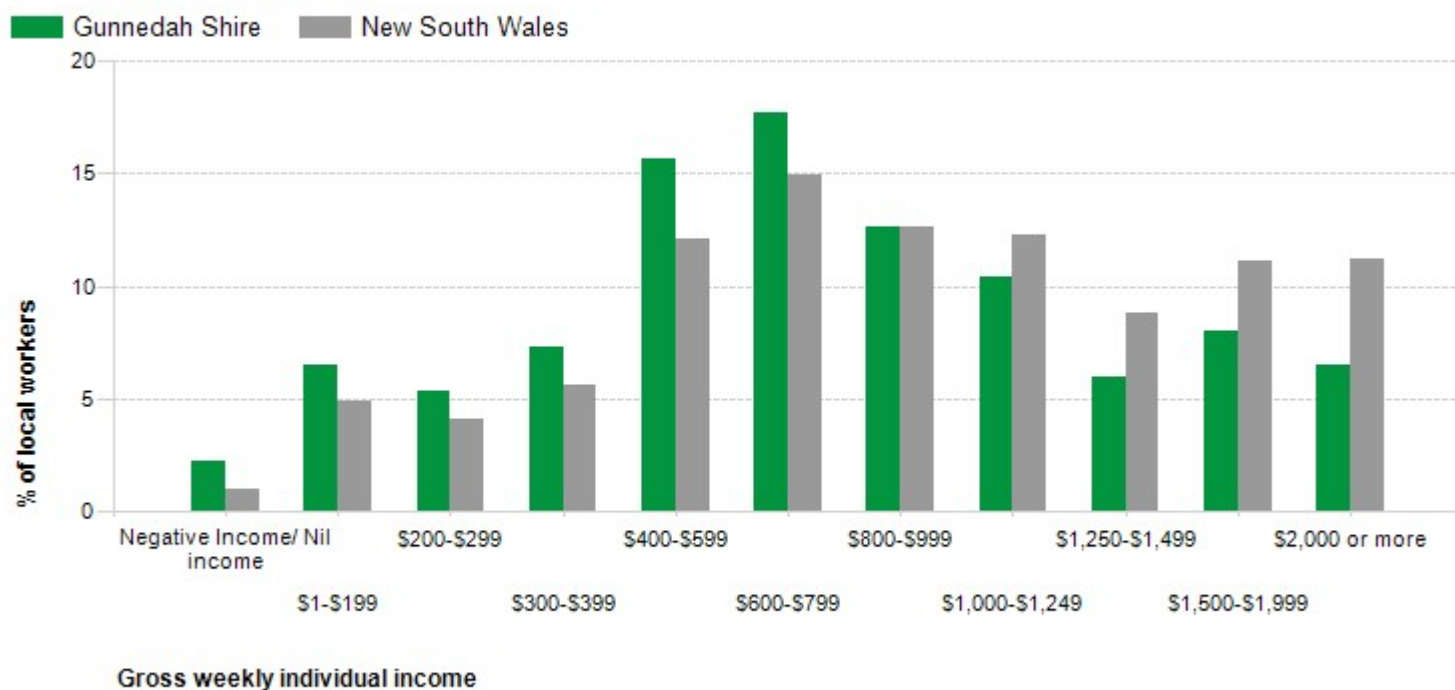
Gunnedah Shire - All industries	2011		
Gross weekly individual income	Number	%	New South Wales %
Negative Income/ Nil income	103	2.2	1.0
\$1-\$199	301	6.5	4.9
\$200-\$299	247	5.3	4.1
\$300-\$399	336	7.3	5.6
\$400-\$599	725	15.6	12.1
\$600-\$799	821	17.7	15.0
\$800-\$999	586	12.6	12.6
\$1,000-\$1,249	481	10.4	12.3
\$1,250-\$1,499	275	5.9	8.8
\$1,500-\$1,999	371	8.0	11.1
\$2,000 or more	299	6.5	11.2
Not stated	89	1.9	1.3
Total persons	4,634	100.0	100.0

Source: Australian Bureau of Statistics, Census of Population and Housing 2006 and 2011. Compiled and presented by .id, the population experts.

p Residents individual income by small area (2011)

Local workers individual income, 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
Compiled and presented in economy.id by .id, the population experts.

.id the population experts

Dominant groups

Analysis of the individual income levels in the Gunnedah Shire in 2011 compared to New South Wales shows that there was a lower proportion earning a high income (those earning \$1,500 per week or more) and a higher proportion of low income persons (those earning less than \$400 per week).

Overall, 14.5% of the earned a high income, and 21.3% earned a low income, compared with 22.3% and 15.6% respectively for New South Wales.

The major differences between the weekly income of the in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers who earned \$400-\$599 (15.6% compared to 12.1%)
- A *smaller* percentage of local workers who earned \$2,000 or more (6.5% compared to 11.2%)
- A *smaller* percentage of local workers who earned \$1,500-\$1,999 (8.0% compared to 11.1%)
- A *smaller* percentage of local workers who earned \$1,250-\$1,499 (5.9% compared to 8.8%)

Gunnedah Shire

Local workers - Individual income quartiles - All industries

Individual Income is an indicator of socio-economic status, skills and occupations required in a particular industry. With other data sources, such as Qualifications and Occupation, it helps to evaluate the economic opportunities of people in an industry.

Income quartiles are used to condense income categories into manageable units, adjust for the effects of inflation, and allow areas to be compared over time relative to a benchmark. The incomes for a specified industry for the state are split into four equal groups, each containing 25% of the workers in that industry, and the quartiles allow users to compare changes in that industry in the local area to changes statewide, or against another benchmark. For more information on how quartiles are calculated please refer to the data notes.

As well as being related to the type of jobs and qualifications required in a particular industry, income levels can be related to the level of [part-time employment](#), [Occupations](#), [Qualifications](#) and the [Age structure](#) of the local workers, so the data should be looked at in conjunction with these topics.

Local workers individual income quartiles

Gunnedah Shire - All industries		2011			2006			Change
Quartile group	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011	
Lowest group	1,529	33.6	25.0	1,484	36.1	25.0	+45	
Medium lowest	1,314	28.9	25.0	1,262	30.7	25.0	+52	
Medium highest	958	21.1	25.0	823	20.0	25.0	+135	
Highest group	744	16.4	25.0	537	13.1	25.0	+207	
Total persons with stated income	4,545	100.0	100.0	4,106	100.0	100.0	+439	

Source: Derived from the Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented in profile.id by [.id](#), the population experts.

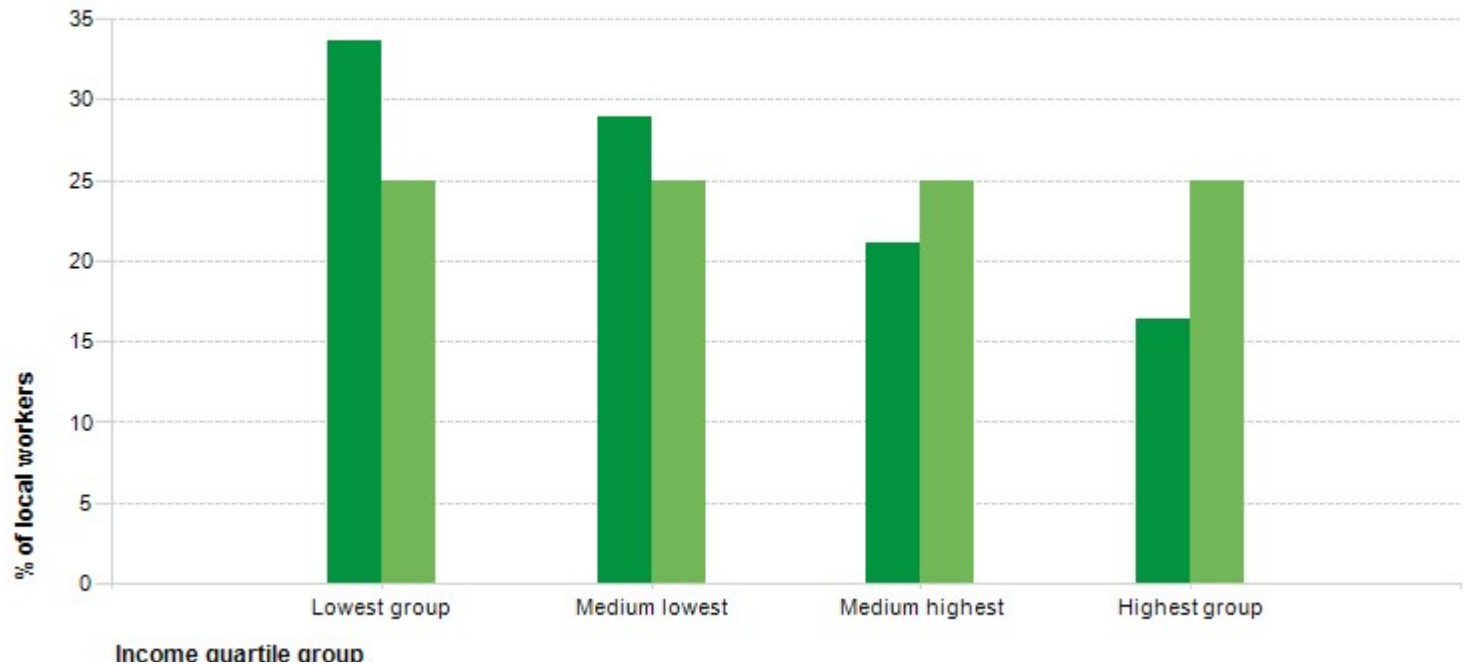
Quartile group dollar ranges (Individuals)

Calculated from income data for New South Wales - All industries		Weekly income by Census year	
Individual quartile ranges	2011	2006	
Lowest group	\$0 to \$548	\$0 to \$457	
Medium lowest	\$549 to \$905	\$458 to \$752	
Medium highest	\$906 to \$1,432	\$753 to \$1,197	
Highest group	\$1,433 and over	\$1,198 and over	

Local workers individual income quartiles, 2011

Gunnedah Shire - All industries

■ All industries ■ New South Wales

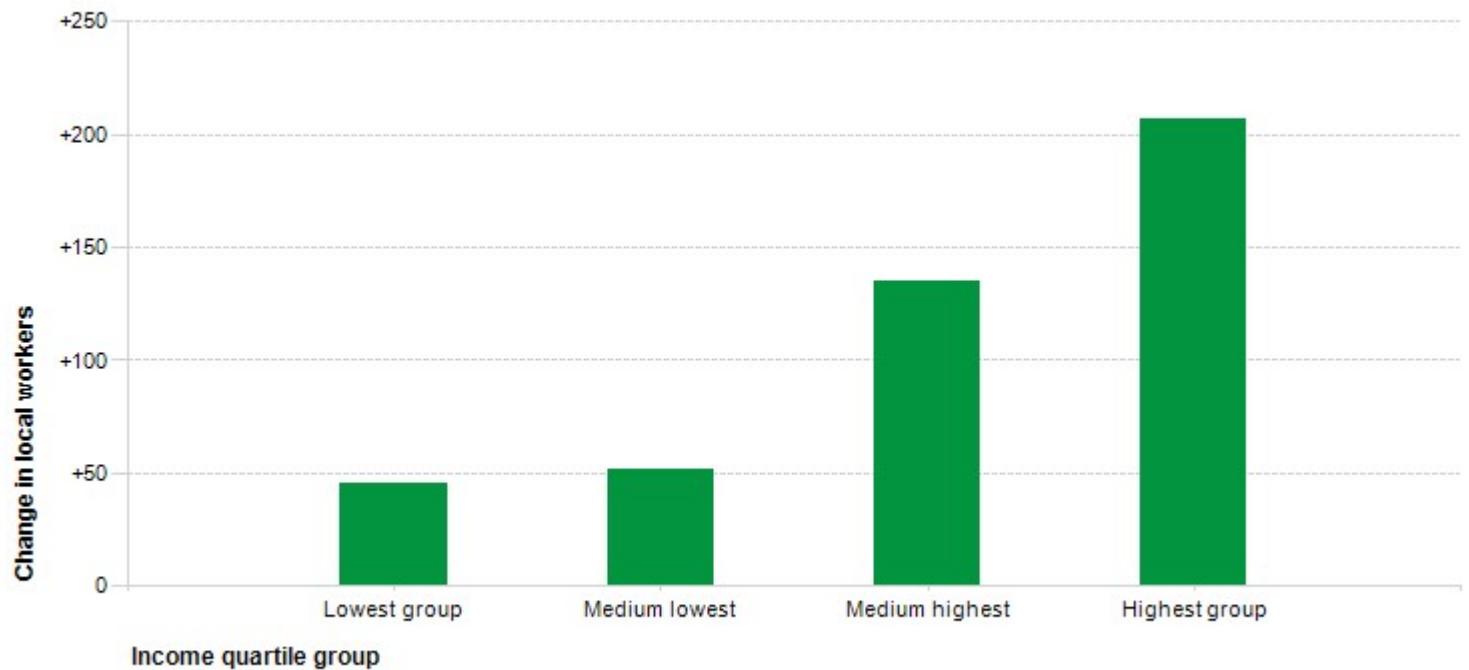


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
Compiled and presented in economy.id by .id, the population experts.

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Change in local workers individual income quartiles, 2006 to 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
Compiled and presented in economy.id by .id, the population experts.

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Dominant groups

Income quartiles allow us to compare relative income-earning capabilities across time. Analysis of the distribution of the by income quartile compared to New South Wales shows that there was lesser proportion of people in the highest income quartile, and a greater proportion in the lowest income quartile.

Emerging groups

The most significant change for the between 2006 and 2011 was in the highest quartile which showed an increase of 207 people.

Gunnedah Shire

Local workers - Method of travel to work - All industries

This data reveals the main modes of transport used by local workers in a particular industry to get to work. Workforce transport data for the Gunnedah Shire is very useful in transport planning as it informs decision-makers about the effectiveness and availability of public transport.

There are a number of reasons why people use different Modes of Transport to get to work including:

- The availability of affordable and effective public transport options between place of residence and place of work (For instance, industries located near railway stations are likely to have higher public transport use than those located away from main public transport routes);
- The number of motor vehicles available from within a household; and
- The travel distance to work, which for example, can allow people to walk or bicycle to their place of employment.

Method of Travel to Work data should be viewed in conjunction with [Workers pace of residence](#) and [Residents Place of work](#) for a clearer picture of where people come from to work in the the Gunnedah Shire, and [Employment locations](#) for the Destination Zones they work in and how they arrive there.

Local workers method of travel to work

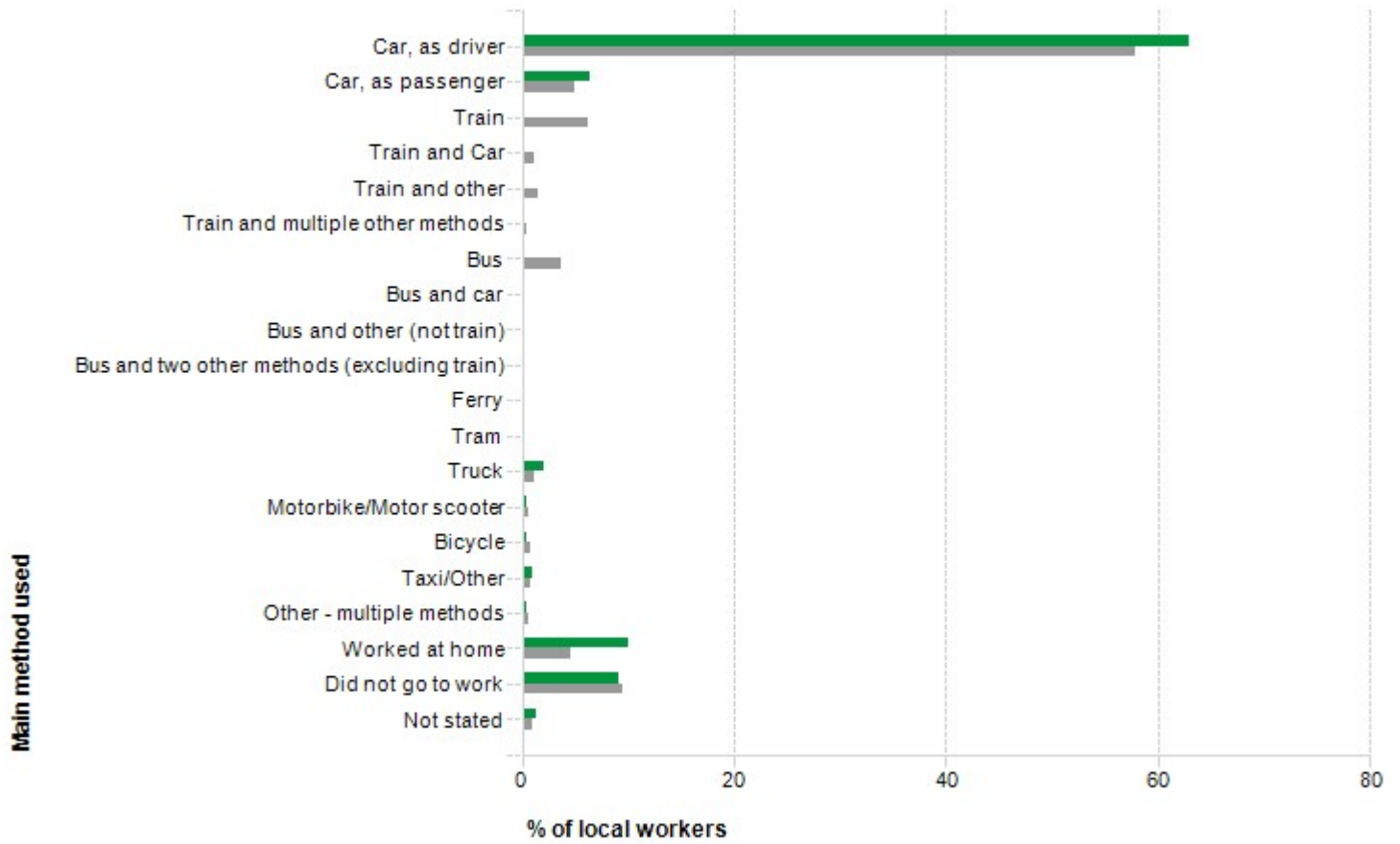
Gunnedah Shire - All industries	2011			2006			Change
	Number	%	New South Wales %	Number	%	New South Wales %	
Main method of travel							2006 to 2011
Car, as driver	2,915	62.9	57.9	2,411	57.6	56.8	+504
Car, as passenger	294	6.3	5.0	247	5.9	5.6	+47
Train	0	0.0	6.2	0	0.0	5.4	0
Train and Car	0	0.0	1.3	0	0.0	1.3	0
Train and other	0	0.0	1.6	0	0.0	1.3	0
Train and multiple other methods	0	0.0	0.4	0	0.0	0.3	0
Bus	15	0.3	3.7	11	0.3	3.5	+4
Bus and car	0	0.0	0.3	0	0.0	0.2	0
Bus and other (not train)	0	0.0	0.1	0	0.0	0.1	0
Bus and two other methods (excluding train)	3	0.1	0.0	3	0.1	0.0	0
Ferry	0	0.0	0.2	0	0.0	0.2	0
Tram	0	0.0	0.0	0	0.0	0.0	0
Truck	99	2.1	1.2	128	3.1	1.6	-29
Motorbike/Motor scooter	23	0.5	0.6	30	0.7	0.6	-7
Bicycle	18	0.4	0.8	16	0.4	0.7	+2
Taxi/Other	47	1.0	0.7	66	1.6	0.8	-19
Other - multiple methods	23	0.5	0.6	26	0.6	0.5	-3
Walked only	249	5.4	4.1	303	7.2	4.5	-54
Worked at home	462	10.0	4.7	491	11.7	4.9	-29
Did not go to work	424	9.1	9.6	418	10.0	10.5	+6
Not stated	63	1.4	1.0	36	0.9	1.1	+27
Total persons	4,635	100.0	100.0	4,186	100.0	100.0	+449

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

Local workers method of travel to work, 2011

Gunnedah Shire - All industries

■ Gunnedah Shire ■ New South Wales

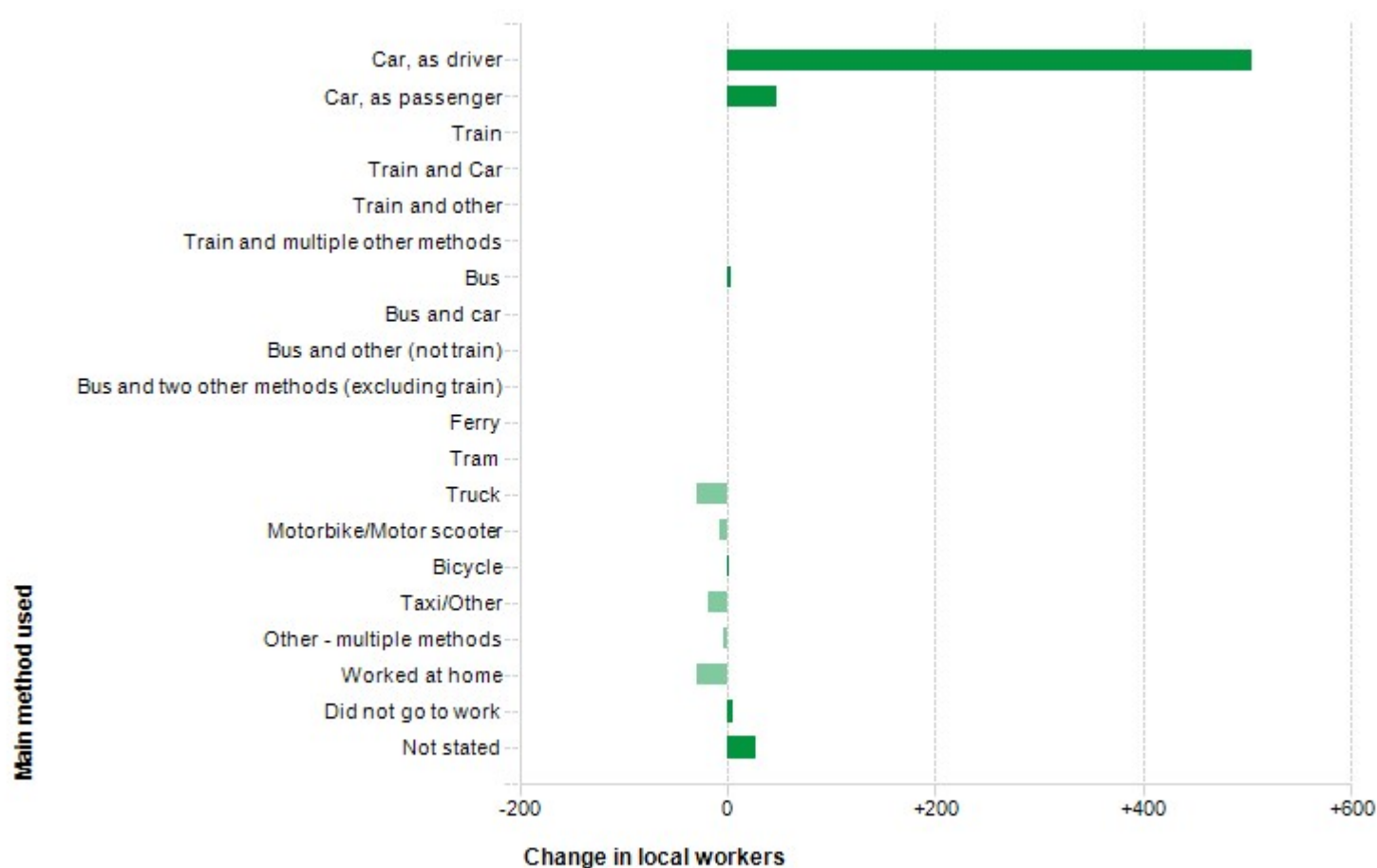


Source: Australian Bureau of Statistics, Census of Population and Housing, 2011
 Compiled and presented in economy.id by .id, the population experts.

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Change in local workers method of travel to work, 2006 to 2011

Gunnedah Shire - All industries



Source: Australian Bureau of Statistics, Census of Population and Housing, 2006 and 2011
Compiled and presented in economy.id by .id, the population experts.

.id the population experts

Dominant groups

In 2011, there were 18 people in the who caught public transport to work (train, bus, tram or ferry) in Gunnedah Shire, compared with 3,308 who drove in private vehicles (car – as driver, car – as passenger, motorbike, or truck).

Analysis of the method of travel to work of the in the Gunnedah Shire in 2011 compared to New South Wales shows that 0.4% used public transport, while 71.4% used a private vehicle, compared with 13.8% and 64.1% respectively in New South Wales.

The major differences between the method of travel to work of the in the Gunnedah Shire and New South Wales were:

- A *larger* percentage of local workers who worked at home (10.0% compared to 4.7%)
- A *larger* percentage of local workers who travelled by car (as driver) (62.9% compared to 57.9%)
- A *smaller* percentage of local workers who travelled by train (0.0% compared to 6.2%)
- A *smaller* percentage of local workers who travelled by bus (0.3% compared to 3.7%)

Emerging groups

The largest changes in the method of travel of work of the in the Gunnedah Shire between 2006 and 2011 were:

- Car, as driver (+504 local workers)
- Walked only (-54 local workers)
- Car, as passenger (+47 local workers)
- Truck (-29 local workers)

Gunnedah Shire

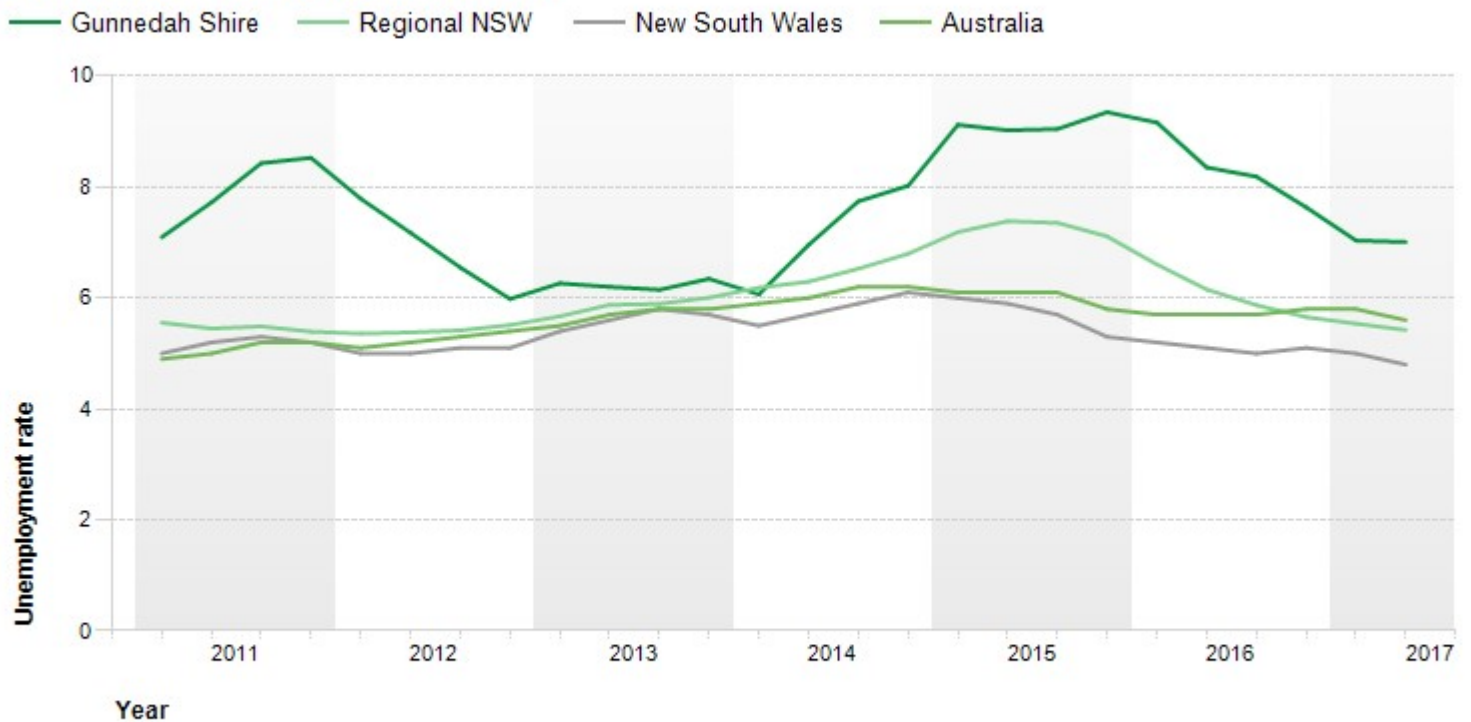
Unemployment

The unemployment rate is derived from the ABS labour force survey and Centrelink data and compiled by the Department of Employment. It is published quarterly in the Small Area Labour Markets publication, for Local Government Areas. The unemployment rate shown here is the proportion of the resident labour force (those in work or looking for work, and aged over 15) who are looking for work. Unemployment does not include people who don't have a job but are not seeking a job.

Unemployment is an important indicator of the economic success of an area. A low unemployment rate can indicate an affluent area with a high rate of access to jobs, or a place where those who can't find jobs leave the area. A high rate can indicate a declining economy with closures of key industries, or a residential area with a significantly disadvantaged population.

Note: Due to a major change in the Labour Force Regions on which unemployment data are collected, Small Area Labour Markets datasets are now only directly comparable back to 2010. For this reason, data prior to 2010 is misleading and has been removed from this site.

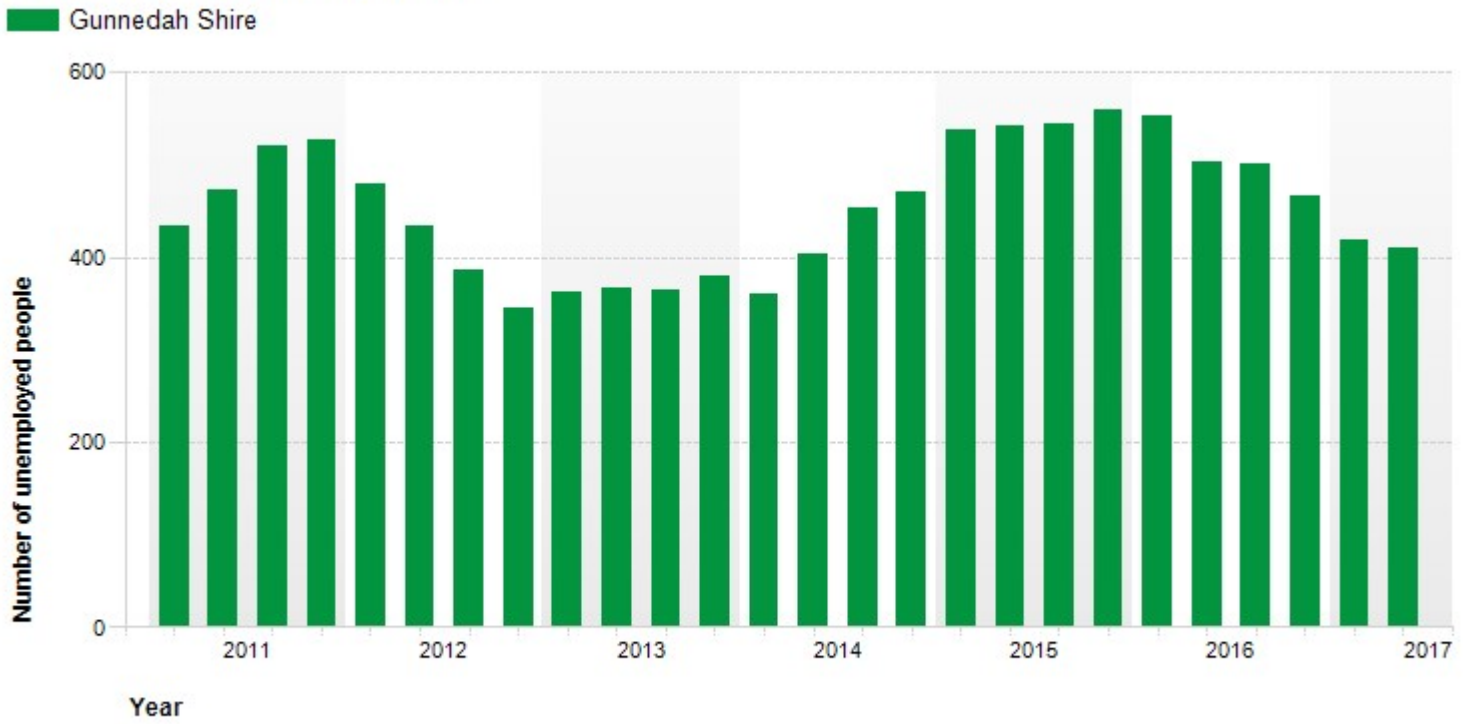
Quarterly unemployment rate



Source: Australian Bureau of Statistics, Labour force survey, catalogue number 6202.0, and Department of Employment, Small Area Labour Markets, June 2017. Compiled and presented in economy.id by .id the population experts.



Quarterly unemployment



Source: Australian Bureau of Statistics, Labour force survey, catalogue number 6202.0, and Department of Employment, Small Area Labour Markets, June 2017. Compiled and presented in economy.id by .id the population experts.



Gunnedah Shire

Characteristics of the unemployed (Local)

The local unemployed resident includes all people who are residents in the local area who are looking for part-time or full-time work. This is an important resource for the local economy, their characteristics inform us about the skills that are available locally, even if they are not currently employed in the local economy.

For an overview of unemployment levels and trends in the Gunnedah Shire go to the [Unemployment](#) page.

Characteristics of the unemployed (Local)

Gunnedah Shire	2011			2006			Change
Name	Number	%	New South Wales %	Number	%	New South Wales %	2006 to 2011
Key statistics	--	--	--	--	--	--	--
Total persons	332	6.0	5.9	427	8.4	5.9	-95
▪ Males	158	47.6	53.6	222	52.0	54.7	-64
▪ Females	174	52.4	46.4	205	48.0	45.3	-31
Age structure	--	--	--	--	--	--	--
15 - 24 years	112	33.7	33.8	104	24.4	32.8	+8
25 - 54 years	183	55.1	54.6	280	65.6	56.7	-97
55 - 64 years	37	11.1	10.4	43	10.1	9.7	-6
65 years and over	0	0.0	1.2	0	0.0	0.9	0
Looking for	--	--	--	--	--	--	--
Full-time work	225	67.8	59.4	289	67.7	62.9	-64
Part-time work	107	32.2	40.6	138	32.3	37.1	-31
Qualifications	--	--	--	--	--	--	--
Bachelor or higher degree	0	0.0	16.5	8	1.9	11.7	-8
Advanced diploma or diploma	15	4.5	7.6	12	2.8	5.9	+3
Certificate level	64	19.3	18.2	92	21.5	17.1	-28
No qualifications	221	66.6	52.8	295	69.1	58.4	-74
Highest level of schooling	--	--	--	--	--	--	--
Year 12	79	23.8	50.7	83	19.4	41.6	-4
Year 11	21	6.3	6.7	33	7.7	7.0	-12
Under Year 10	204	61.4	34.3	280	65.6	42.9	-76
Still attending	17	5.1	5.3	17	4.0	4.4	0
Individual income	--	--	--	--	--	--	--
Nil to \$599	294	88.6	87.2	--	--	--	--
\$600 to \$1,249	17	5.1	7.0	--	--	--	--
\$1,250 to \$1,999	5	1.5	1.9	--	--	--	--
\$2,000 or more	0	0.0	1.5	--	--	--	--
Other characteristics	--	--	--	--	--	--	--
Speaks a language other than English at home	10	3.0	31.0	0	0.0	27.6	+10
Has broadband internet access at home	201	60.5	73.9	94	22.0	41.5	+107
Has child care responsibilities (own or others)	102	30.7	28.8	145	34.0	30.2	-43

Source: Australian Bureau of Statistics, [Census of Population and Housing](#) 2006 and 2011. Compiled and presented by [.id](#), the population experts.

Gunnedah Shire

About the economic profile

The Gunnedah Shire Economic Profile provides economic analysis for the the Gunnedah Shire by combining 11 different datasets to build a cohesive story of a local economy, how it is changing and how it compares to other areas. It is a public resource designed to be used by council staff, community groups, investors, business people, students and the general public. You can be confident about the quality of the information as it is derived from official sources and the most robust economic modelling, analysed and presented by experts and funded by the Gunnedah Shire. Each data source is maintained with the latest series so you can be sure you are using the most up to date information.

Results for the the Gunnedah Shire include Gross Regional Product, local jobs, local businesses, employment, unemployment, population, building approvals, industry structure, journey to work and much more.

About National Economics (NIEIR)

Reliable primary economic data sets exist only at the national, state and regional level at best. The only way to get a realistic measure of GRP, number of jobs and other economic indicators at the local area level is to undertake economic modelling. The most significant challenge with local area economic modelling is to ensure that the process reflects the unique economic characteristics of the local area. For example, one of the traps is to apply national and state-level productivity propensities at the local level, which we now know are simply not accurate because it assumes that the economic characteristics of all local areas are the same.

NIEIR are recognised as industry leaders in the development and provision of robust economic modelling at the smallest credible geographic unit (Local Government Area). NIEIR modelling draws on many data sources to offer the most nuanced data possible at the local level. The NIEIR dataset is the result of a process of economic micro-simulation modelling – it is an amalgam of many different existing data sources (between 6 and 10 depending on the region and time period) which are synthesised to produce a series of estimates of the size and value of the local economy.

Importantly, the NIEIR model is updated on an annual basis (with quarterly breakdown for some characteristics). This means the impact of global, national and local economic changes can be clearly seen at the local level.

For over 15 years NIEIR have been producing the annual benchmark State of the Regions Report commissioned by the Australian Local Government Association (ALGA). These reports benchmark regional economies and identifies strategies that strengthen local and regional economic and employment outcomes, laying the framework for future policy direction and emphasizing the role and importance of local government.

[Learn more about NIEIR](#)

About .id, the population experts

.id is a company of population experts - demographers, spatial analysts, urban planners, forecasters, census data and IT experts who build demographic information products for Australia & New Zealand.

We understand how cities, towns and regions are growing and changing. Name a place and we can tell you about its population's past, present and future!

We use spatial data to tell this story in powerful web applications.

We share this knowledge with our clients so they can make confident decisions about when and where to provide services and invest in infrastructure.

Our clients are organisations who contribute to building our cities and communities. They include local & state government, education providers, housing developers, retailers, health care providers, utilities companies, banks & insurers, sporting clubs and planning consultants.

During our 15 years in business, we have built over 550 websites delivering analytical and spatial decision making information to more than 300 clients Australia-wide and in New Zealand. These sites are publicly available in [.id's demographic resource centre](#).

Our information products meet the challenge of delivering meaningful information to users with diverse information needs and skill levels – from analysts to the general public – by organising and presenting complex data in an intuitive format. As consumers of spatial data ourselves, we fundamentally understand how users want to consume that data.

We believe that by making demographic information accessible to the broadest possible audience, and promoting evidence-based decision making, we are contributing to a fairer and more sustainable society.

[Learn more about .id](#)