

IPART 2015 household survey – Energy usage



20 September 2016



WHAT

This fact sheet explains how we report our 2015 household survey's findings on energy usage.



WHY

Our household surveys include questions on energy usage to provide background information on energy, and to inform broader policy debates. The information discussed in our report could help to inform policies on energy pricing, demand management, and assistance measures for vulnerable households.



THE SURVEY

We commissioned Roy Morgan Research to conduct the survey and to obtain electricity and gas usage data. It interviewed 4,404 households in five areas:

- ▼ Sydney Water Corporation's area of operation (Sydney)
- ▼ Hunter Water Corporation's area of operation (Hunter)
- ▼ Gosford City Council area (Gosford).
- ▼ Riverina, mainly the Wagga Wagga/Albury region (Riverina), and
- ▼ North Coast and Northern Rivers (North Coast).



THE REPORT

We engaged Frontier Economics (Frontier) to conduct statistical analysis of the survey data. Frontier analysed the energy usage data and produced a report on its findings.

Frontier's report:

- ▼ Provides an overview of household energy usage and energy sources across NSW.
- ▼ Discusses why people choose different energy sources.
- ▼ Discusses the drivers of usage for gas, non-controlled load electricity and controlled load electricity.

It also explores:

- ▼ How usage differs with different energy sources
- ▼ Why energy usage changes as income changes
- ▼ Factors that may contribute to the vulnerability of low income households generally and across the different regions, and
- ▼ Energy conservation.

The report's technical appendix includes the detailed regression results as well as tables of descriptive statistics. This information should allow interested parties to conduct further research into residential energy usage.

The report and the technical appendix are available on our website.



WHAT ELSE

We have also published:

- ▼ Other fact sheets and information papers about the survey, and our findings on water usage, energy and water conservation, solar PV panels, payment difficulties, and concession cards and rebates
- ▼ a report on water usage, and
- ▼ output tables of the survey responses (Excel files). (See Box 1.)

These documents are available on our [website](#).

Box 1 Further information on our household survey

We have published the results of the 2015 household survey in a series of fact sheets and information papers together with two reports that investigate our findings on water and energy usage. We have also published a set of output tables (Excel files) that report the detailed responses to each survey question.

Fact sheets and information papers:

- ▼ About the survey
- ▼ Water usage (fact sheet only)
- ▼ Energy usage (this one, fact sheet only)
- ▼ Energy and water conservation
- ▼ Solar PV panels
- ▼ Payment difficulties
- ▼ Concession cards and rebates

Reports:

- ▼ Residential energy usage (electricity and gas)
- ▼ Residential water usage

Output tables:

- ▼ Each survey area and NSW as a whole (the latter weighted to represent the regional distribution of the population).
- ▼ Sydney, by income group and as a whole
- ▼ Hunter, by income group and as a whole

We cannot report on the other survey areas by income group because the sample sizes for some of the income categories are too small.

We engaged Frontier Economics (Frontier) to conduct statistical analysis of the survey data for our reports. Frontier analysed the energy usage data and produced a separate report on its findings. It also analysed the water usage data, and we have included its findings in our report on water usage. The reports include detailed technical appendices to allow other parties to conduct further research into residential energy and water usage.

You will find the documents on our [website](#).