Name of dataset or data source:	FuelCheck
Custodian of the dataset or data source:	Department of Finance, Services and Innovation
Description:	FuelCheck is an online tool designed to provide consumers with real-time information about fuel prices at every service station across NSW. The tool will enable NSW motorists to find the cheapest fuel being sold anywhere in NSW; get directions to any service stationsearch for fuel by type (E10, Regular, LPG, etc) or brand; and submit a complaint to NSW Fair Trading if the price at the pump doesn't match what is shown on FuelCheck.
Data quality rating:	★ Institutional Environment ★ Accuracy ★ Coherence ★ Interpretability - Accessibility

INSTITUTIONAL ENVIRONMENT — High ★

- ✔ The agency publishing this data is the recognised data custodian.
- ✔ Data is collected and managed according to a data quality framework.
- ✔ Data governance roles and responsibilities are clearly assigned for this dataset or data source.
- ✔ Data collection is mandated or required by Fair Trading (FuelCheck) Order 2016; Fair Trading Amendment (Fuel Price Transparency) Act 2016
- ✔ Custodian has no commercial interest or conflict of interest in the data.

Find out more about the data quality framework from the Custodian (contact details below).

Find out more about the data governance responsibilities from the Custodian (contact details below).

ACCURACY — High ★

- ✔ This data has been subject to quality assurance processes. ie Checking for errors at each stage of data collection and processing, or verifying data entry and making corrections if necessary.
- ✔ The data collection met the objectives of the primary user. The data correctly represents what it was

designed to measure, monitor or report. Refer to *Scope and Coverage* in the last section of this report for more information.

✔ There are <u>known gaps</u> in the data. (For example: non-responses, missing records, data not collected.) Gaps are identified in caveats below.

✔ There have been adjustments, changes or other factors that could impact the **validity** of the data. (For example: weighting, rounding, de-identification of data; changes or flaws in data collection or verification methods.) Adjustments are identified in caveats below.

✔ Revision policy: If errors are identified, data is revised and the revision is publicised

Find out more about the quality assurance processes from the Custodian.

More information about gaps in the data: PLEASE SPECIFY/CONFIRM

More information about adjustments in the data:PLEASE SPECIFY/CONFIRM

COHERENCE   High   ★

✔ Standard definitions, common concepts, classifications and data recording practices have been used.
✔ Elements within the data can be meaningfully compared.
✔ This data is generally consistent with similar or related data sources.
✔ This data is part of a time series. There have not been any significant changes in the way data items are defined, classified or counted since the start of the series.
✔ This data is consistent with previous releases. There have been no changes in methodology or external impacts since the last release in this series.

More information about standards: PLEASE SPECIFY/CONFIRM

More information about similar or related data sources: Info not available

This dataset or data source is part of a time series.

Data was first collected or produced on 14/07/2016

INTERPRETABILITY   High   ★

✔ A **data dictionary** is available to explain the meaning of data elements, their origin, format and relationships.
✔ Information is available about the primary data sources and methods of data collection. (For example:

instruments, forms, instructions.)

✓ Information is available to help Users evaluate the accuracy of the data and any level of error.

✓ Information is available to explain concepts, help Users correctly interpret the data and understand how it can be used.

✓ Information is available to explain ambiguous or technical terms used in the data.

Find out more about the data dictionary
from http://www.fairtrading.nsw.gov.au/biz_res/ftweb/pdfs/About_us/FuelCheck_API_technical_specs _V1.0.pdf

Find out more about the primary data sources and methods of data collection from the Custodian (contact details below).

Find out more about how to evaluate the accuracy of the data and any level of error from the Custodian (contact details below).

Find out more about concepts used in this dataset and how to understand or interpret the data from the Custodian (contact details below).

Find out more about ambiguous or technical terms used in the data from the Custodian (contact details below).

ACCESSIBILITY — Medium ★

✓ This dataset or data source is available online with an **open licence** –Attribution (CC BY)
✓ This dataset or data source is available in a **machine-processable, structured format**.
✓ This dataset or data source is available in a **non-proprietary format**.

✗ This dataset or data source is <u>not</u> described using **open standards** and **persistent identifiers.**
✗ This dataset or data source is <u>not</u> **linked to other data**.

This dataset or data source is available in the following digital file types or formats: API, Web Service

Additional information about the use of identifiers and links to other data: N/A

Information to help users evaluate relevance

Scope & Coverage:

What the data was designed to measure, monitor, or report: FuelCheck is an online tool designed to provide consumers with real-time information about fuel prices atevery service station across NSW.

Target of the data collection: FuelCheck provides consumers with real-time information about the cheapest fuel being sold anywhere in NSW, and directions to any service station in the State.

There were no individuals, groups or occurrences excluded from the data collection.

Geographic detail:

Data cover the following geographic area(s): State

The data are available at the following levels of geography:Locality (Suburb), Postcode, Address (street number & name)

At lower levels of geography, the data are represented or apportioned as follows: N/A

Outputs:

The data are available as: Transactional (structured content, generated in a business process)

Other cautions:

The data does not represent or cover: N/A

Other cautions or recommendations to enable effective use and interpretation of the data: N/A

Reference period:

Period for which the data were obtained: 14/07/2016 - ongoing

There were no exceptions to the data collection or observation period. (eg delays in receipt of data, changes to recording processes)

Timing:

Updates and revisions: If errors are identified, data is revised and the revision is publicised

The data became available (ie released or published) on: 24/08/2016

Frequency of production:

Data is collected or expected to be produced: Daily

For more information about this dataset or data source, contact:	Department of Finance, Services & Innovation
Custodian email:	fuelsurveyresponses@finance.nsw.gov.au
Custodian phone:	

Understanding the Data Quality Statement

The data quality statement aims to help you understand how a particular dataset could be used and whether it can be compared with other, similar datasets. It provides a description of the characteristics of the data to help you decide whether the data will be fit for your specific purpose.

About the quality rating:

The reporting questionnaire asks five questions for each of these data quality dimensions:

- Institutional Environment
- Accuracy
- Coherence
- Interpretability
- Accessibility

For each question: "yes" = 1 point; "no" = 0 points

The number of points determines the Quality Level for each dimension (high, medium, low).

Only dimensions with four or five points receive a star.

Points	Quality Level	Star / No Star
0	LOW	No Star
1	LOW	No Star
2	LOW	No Star
3	MEDIUM	No Star
4	MEDIUM	Star
5	HIGH	Star

More information?

The data quality reporting questionnaire and further explanation of the data quality dimensions is provided in the NSW Government Standard for Data Quality Reporting published at http://finance.nsw .gov.au/ict/data-interoperability-standards

Evaluating data quality

Quality relates to the data's "fitness for purpose". Users can make different assessments about the data quality of the same data, depending on their "purpose" or the way they plan to use the data.

The following questions may help you evaluate data quality for your requirements. This list is not exhaustive. Generate your own questions to assess data quality according to your specific needs and environment.

- What was the primary purpose or aim for collecting the data?
- How well does the coverage (and exclusions) match your needs?
- How useful are these data at small levels of geography?
- Does the population presented by the data match your needs?
- To what extent does the method of data collection seem appropriate for the information being gathered?
- Have standard classifications (eg industry or occupation classifications) been used in the collection of the data? If not, why? Does this affect the ability to compare or bring together data from different sources?
- Have rates and percentages been calculated consistently throughout the data?
- Is there a time difference between your reference period, and the reference period of the data?
- What is the gap of time between the reference period (when the data were collected) and the release date of the data?
- Will there be subsequent surveys or data collection exercises for this topic?
- Are there likely to be updates or revisions to the data after official release?