

Department of Energy and Water Supply Open Data Strategy 2014 – 2018

updated September 2014

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Our vision for open data

A prosperous Queensland through resilient and affordable energy and water supply sectors, which supports the knowledge economy by stimulating innovation, research and improvement in the delivery of energy and water supply services to Queenslanders through open data.

Our commitment

To develop, implement and maintain a process to make our data available to the public, free to anyone who wishes to use it.

As a department, our key commitments are to:

- release as much data as possible
- make data accessible and easy to find
- publish data in line with the Open Data Policy principles
- ensure data are fit-for-purpose
- work with our stakeholders to realise the benefits of open data.

Our goals

The Department of Energy and Water Supply supports open data and the benefits it can realise, particularly:

- **Better services for Queenslanders** through innovation, research and development of new data-enabled services and products by researchers, business and industry using Government data.
- **Increased community participation in government decision making** through improved access to Government data and greater levels of interaction between policy-makers and the wider community.
- **A stronger knowledge economy** by unlocking the social and economic value of Government data through sound data infrastructure.

Principles

Government data will be available for open use: Open access to Government data drives innovation and entrepreneurial activities. Released data will be made available under the least restrictive licence allowing for its use and re-use.

Government data will be available free: Government data, collected using public money, belongs to the community. Unless cost has been prescribed by legislation or cost recovery has a clear net benefit to the Queensland community and has been approved by Cabinet or the Cabinet Budget Review Committee, data will be made available, free, or at no more than a reasonable reproduction cost.

Government data will be in accessible formats and easy to find: Publishing data in different formats offers maximum flexibility of user experience and access. Where practicable, we will publish data in machine readable formats that can be downloaded, indexed, and searched by commonly used web applications.

Government data will be released within set standards and accountabilities: We will reduce risks associated with the public release of data by establishing a robust publication process to identify and protect confidential information, by de-identifying data, as necessary.

Our plan

We will facilitate **better services for Queenslanders** by:

Stimulating innovation

- creating opportunities by making data available, free for use and re-use in easily accessible and open formats by anyone who wishes to use it
- prioritising datasets for release in consultation with industry, enterprises, researchers and the wider community.

Increasing government efficiency and performance

- creating a culture that supports the sharing of Government information
- facilitating greater scrutiny of the effectiveness of Government policy
- driving more efficient public services through more transparent performance monitoring
- reducing red tape and streamlining processes for data sharing.

We will increase community participation in government decision making by:

Increasing awareness

- communicating the potential economic and social benefits created through the release of data
- promoting participation in the knowledge economy by making data available on <https://data.qld.gov.au>.

Building trust

- demonstrating transparency by making data accessible
- releasing data within set standards and in accordance with legislative protections (i.e. privacy)
- being responsive to feedback and suggestions for new datasets.

We will **build a strong knowledge economy** by:

Unlocking the value of data

- building on the foundations for a strong knowledge economy by providing sound data infrastructure.

Our data

We collect, store and maintain a diverse range of datasets to support the delivery of energy and water supply services to the community. These datasets can be grouped into two main categories:

- energy
- water supply services.

Our successes

In the last 12 months there have been many successes supporting easier access to open data from the department.

The Queensland Government, in PowerQ, its 30 year strategy for the Queensland electricity sector, has committed to a strategy to use open data to drive market development, competition and innovation within the electricity industry. As part of this strategy, the Queensland Government will investigate opportunities to build on the state's existing open data initiative to support innovation in the electricity sector.

The energy division surpassed its commitment to publish identified data sets by July 2014. There are now a total of 13 energy related data sets available on the Open Data portal. This number will continue to grow as the Queensland Government delivers on its open data strategy.

The water supply division has taken over the custodianship of water storages, dams and weir data sets and has updated them. These data sets are now available on the Queensland Globe: <http://www.dnrm.qld.gov.au/mapping-data/queensland-globe>.

Also, the division is providing dam level data to the Bureau of Meteorology (BoM) under Water Regulation requirements and is upgrading the gauging stations at two dams.

During the last 12 months, 37 data resources have been released, from across the two information themes managed by the department.

Feedback on this strategy continues to be encouraged. Please contact the department via email: OpenData@dews.qld.gov.au.

Planned for release datasets

The majority of the datasets being published are very large, so ensuring the necessary online delivery infrastructure is available is an important technical aspect of making them readily accessible.

The department is considering making urban water production and use data available, and is developing protocols in consultation with BoM (Review of Australian Water Resources Information System (AWRIS) Data).

The department has replaced the requirement on water service providers for a multitude of management plans about asset and drought management with public performance reporting on KPIs. Water service providers will be able to benchmark their performance against that of their peers on a range of metrics including water security, financial and asset management. Customers will also be able to see how their provider measures up on issues such as costs and quality of service using both an online data tool and a public comparative report on the water industry's performance to be first published in early 2016.

Government Owned Corporations (GOC) and Statutory Bodies

In addition to the data we publish, the following Government Owned Corporations (GOCs) and Statutory Bodies also publish data relating to the delivery of energy and water supply services:

GOCs

- Energex Limited
- Ergon Energy Corporation Limited
- CS Energy Limited
- Powerlink Queensland
- Stanwell Corporation Limited
- SunWater Limited.

Statutory Bodies

- Gladstone Area Water Board
- Mount Isa Water Board
- Seqwater
- Unitywater.

In relation to the Statutory Bodies, we will develop and implement arrangements having regard to the department's Open Data Strategy and the organisational characteristics of these Statutory Bodies. We will also provide ongoing support and advice to the Statutory Bodies to ensure their data release processes are cost effective and aligned to this strategy.

Our release strategy

Our release strategy contains four main components:

Identification

We will proactively identify information assets by surveying departmental publications and business systems for underlying data sources, gathering information about stand-alone data collections and engaging with stakeholders about their needs and interests.

Assessment

We will assess the suitability of data for release in accordance with relevant legislation, administrative instruments and guidelines. The release of data will continue to be a priority, increasing openness and transparency of government.

Not all data are suitable for release. The process of identifying and assessing data for publication acknowledges the need for it to be accessible to external audiences. Datasets subject to valid privacy, security or privilege limitations may be restricted or released in a modified form.

Publication

We will publish data (Appendix 1) in line with set standards and priorities having regard to public interest; feedback from stakeholders; potential social or economic value; and ability to restore accountability in government, with the approval of the data owner.

Management

We will maintain datasets as fit-for-purpose, identify opportunities to improve data quality, seek feedback from data users and review our processes to ensure maximum efficiency.

Governance and accountability

The Director-General, Department of Energy and Water Supply is responsible for the success of the department's Open Data initiative by creating and sustaining an open data culture within the department.

Execution of our Open Data Strategy will be governed by the department's Executive Management Team and sponsored by the Deputy Director-General, Business and Corporate Partnerships.

The Director, Business Planning and Achievement has been assigned the department champion with responsibility to coordinate and progress the department's implementation of the Open Data policy. Progress is monitored on a regular basis and reported regularly to the department's Executive Management Team. The department will continue to review the strategy on an annual basis.

The future

Our department's Open Data capability is expected to expand as the systems and processes used to release data are embedded in staff's ongoing work processes. We will undertake regular information sessions to help staff understand the objectives of the Queensland Government Open Data initiative and to identify suitable datasets for publishing.

We will place emphasis on opportunities to improve data quality in the future by:

- building capability through professional development and guidance
- continuing to support transparent decision making processes to ensure as much data are being released as possible
- encouraging data users to provide feedback about usefulness, gaps and general satisfaction
- reviewing data-related processes and addressing issues relating to timeliness, reliability, relevance and accuracy.

Appendix 1: Datasets previously released and ongoing

Dataset name	Description of data	Date of publication	Frequency of update	End of release date (if applicable)	Open licence?
ENERGY					
Electricity Authority holders	List of electricity authority holders in Queensland under the <i>Electricity Act 1994</i>	August 2013	Quarterly	N/A	Yes
Gas Authority holders	List of authority holders in Queensland under the <i>Gas Supply Act 2003</i>	August 2013	Quarterly	N/A	Yes
Disconnections and Hardship data for electricity customers	Contains a link to industry reporting on the number of electricity customer disconnections there were in the prior quarter and participants in hardship programs	June 2014	Quarterly	N/A	Yes
Disconnections and Hardship data for gas customers	Contains a link to industry reporting on the number of gas customer disconnections there were in the prior quarter and participants in hardship programs	June 2014	Quarterly	N/A	Yes
Build up of 2014/15 Regulated retail electricity prices	Queensland Competition Authority data showing contribution of supply cost components to final regulated retail electricity tariff prices	July 2014	Annually	N/A	Yes
Energy concessions expenditure from 2005/06 onwards	Table outlining aggregate expenditure on energy concessions by financial year from 2005-06	July 2014	Annually	N/A	Yes
Energy concessions recipients	Table outlining aggregate recipients of energy concessions by financial year from 2005-06	July 2014	Annually	N/A	Yes
Queensland Generation 2013	List of the National Electricity Market connected, and offgrid generators in Queensland, fuel usage and capacity	July 2014	Annually	N/A	Yes
Queensland network service provider regulated revenue determinations (weblink)	Web links to Queensland Government-owned energy network transmission and distribution company 5-year revenue determinations - from 2001	July 2014	Annually	N/A	Yes
Regulated Retail Electricity Tariff Prices (1 July 2000 to 1 July 2014)	Regulated retail tariff prices, published in the Queensland Government Gazette, for the standard residential tariff (Tariff 11) and the standard business general supply tariff (Tariff 20)	July 2014	Annually	N/A	Yes

Dataset name	Description of data	Date of publication	Frequency of update	End of release date (if applicable)	Open licence?
Licensed Electricity Retailers in Queensland	Contains a link to a list of licensed electricity retailers in Queensland	June 2014	Quarterly	N/A	Yes
Electricity Price and Demand	Electricity dispatch price and demand in Queensland	December 2012	Daily	N/A	Yes
WATER					
Water Service Providers Annual Reports Register	List of Service Providers that have submitted Annual Report for Strategic Asset Management Plan (SAMP), Customer Service Standard (CSS) Report, System Leakage Management Plan (SLMP), Drinking Water Quality Management Plan (DWQMP) or combined SAMP and CSSR and complies with the requirements of the <i>Water Supply (Safety and Reliability) Act 2008</i>	July 2013	Annually	N/A	Yes
Water Service Providers Customer Service Standards Register	List of Service Providers that have submitted Customer Service Standards and stated the level of service to be provided by the service provider	July 2013	Obsolete from 1 July 2014	N/A	Yes
Water Service Providers Drought Management Plan Register	List of register service providers who have submitted Drought Management Plan (DMP) which comply with the <i>Water Supply (Safety and Reliability) Act 2008</i> and the guidelines for the preparation of the DMP	July 2013	Obsolete from 1 July 2014	N/A	Yes
Water Service Providers Exemptions Register	List of registered service providers who have been granted exemptions for DMP, SLMP or for Small Service Providers (SAMP, SAMP Annual Report and/or CSS, CSS Annual Report)	July 2013	Up to 10 years (or as required)	N/A	Yes
Referable Dams Register	List of dams deemed as referable based on Failure Impact Assessment (FIA) stated that the dam has or will have a Category 1 or Category 2 failure impact rating	July 2013	As required	N/A	Yes
Water Service Providers Register	List of registered Service Providers group by size (number of connections), small (up to 1000) , Medium (between 1000 and 25000) and Large (more than 25000) that provides Retail Water, Sewerage, Bulk, Irrigation, Drainage, (Primary Stock and Domestic) or Drinking water services	July 2013	Annually	N/A	Yes

Dataset name	Description of data	Date of publication	Frequency of update	End of release date (if applicable)	Open licence?
Drinking Water Quality Management Plan Register	List of registered Service Providers that have submitted DWQMP that meets the requirements of the <i>Water Supply (Safety and Reliability) Act 2008</i> and guidelines	July 2013	2 Years (or as required)	N/A	Yes
Strategic Asset Management Plans Register	List of registered Service Providers that have submitted SAMP that meets the requirements of the <i>Water Supply (Safety and Reliability) Act 2008</i> and guidelines	July 2013	Obsolete from 1 July 2014	N/A	Yes
System Leakage Management Plans Register	List of registered Service Providers that have submitted SLMP(system leakage management plan) that meets the requirements of the <i>Water Supply (Safety and Reliability) Act 2008</i> and guidelines	July 2013	Obsolete from 1 July 2014	N/A	Yes
Solar hot water rebate	Details of solar hot water systems installed for which a rebate was paid	July 2013	Not applicable. This is historic data about a rebate scheme that has now concluded.	N/A	Yes
Water Treatment Plant Data, Gladstone Area Water Board (GAWB)	Data for •Raw Water delivered to Gladstone Water Treatment Plant (GWTP) and Yarwun Water Treatment Plant (YWTP) •Volumetric water treated at GWTP and YWTP •Turbidity GWTP and YWTP •Free Chlorine GWTP and YWTP Volumetric water treated is the amount of water pumped out of the treatment plants as final drinking water	June 2014	Quarterly	N/A	Yes
Volumetric Water Sale Data, Gladstone Area Water Board	Monthly volumetric water sales for both raw and potable water	June 2014	Monthly	N/A	Yes
Raw Water Pumped from Awoonga Dam	Amount of raw water pumped monthly from Awoonga Dam to the Gladstone network	June 2014	Monthly	N/A	Yes
Mount Isa Water Board Raw Water Supply 2012-14	Mount Isa Water Board Raw Water Supply 2012-14	June 2014		N/A	Yes

Dataset name	Description of data	Date of publication	Frequency of update	End of release date (if applicable)	Open licence?
Mount Isa Water Board Overseas Travel 2012-13	Mount Isa Water Board Overseas Travel 2012-13	June 2014	Annually	N/A	Yes
Mount Isa Water Board Multicultural Table	Mount Isa Water Board Multicultural Table	June 2014	Annually	N/A	Yes
Mount Isa Water Board Consultant Expenditure 2012-13	Mount Isa Water Board Consultant Expenditure 2012-13	June 2014	Annually	N/A	Yes
Lake Moondarra Historic Capacity Levels	Lake Moondarra Historic Capacity Levels	June 2014	Monthly	N/A	Yes
Lake Moondarra 2014 Allocations	Lake Moondarra 2014 Allocations	June 2014	Annually	N/A	Yes
Lake Julius Historic Capacity Levels	Lake Julius Historic Capacity Levels	June 2014	Monthly	N/A	Yes
Lake Julius 2014 Allocations	Lake Julius 2014 Allocations	June 2014	Annually	N/A	Yes
Awoonga Dam Water Level Data	Awoonga Dam Lake Level - daily measurements from 1 January 2013	June 2014	Daily	N/A	Yes
Awoonga Dam Fish Stocking Data	Amount and types of fish stocked from GAWB's hatchery to Awoonga Dam from 1981	June 2014		N/A	Yes
SunWater recreational areas	SunWater recreational areas and what facilities are provided	July 2014	Annually	N/A	Yes
SunWater annual storage summaries	SunWater dams storage statistics	July 2014	Annually	N/A	Yes

Dataset name	Description of data	Date of publication	Frequency of update	End of release date (if applicable)	Open licence?
SunWater scheme summary	SunWater scheme summary - annual water allocation and use	July 2014	Annually	N/A	Yes
Solar hot water program	Details of solar hot water systems installed under the Queensland Government solar hot water program	July 2013	Not applicable. This is historic data about a rebate scheme that has now concluded.	N/A	Yes
CORPORATE					
Overseas Travel – Energy and Water Ombudsman Queensland	Overseas travel undertaken by the Energy and Water Ombudsman Queensland on an annual, financial year basis	October 2013	Annually	N/A	Yes
Consultancy spending – Energy and Water Ombudsman	Consolidated consultancy spending undertaken by the Energy and Water Ombudsman Queensland by category	October 2013	Annually	N/A	Yes
Overseas Travel – Department of Energy and Water Supply	Overseas travel undertaken by officers of Department of Energy and Water Supply on an annual, financial year basis	October 2013	Annually	N/A	Yes
Consultancy spending – Department of Energy and Water Supply	Consultancy spending undertaken by the Department of Energy and Water Supply, on an annual financial year basis	October 2013	Annually	N/A	Yes
Queensland Multicultural Action Plan 2011-2014 Core Outcomes – Department of Energy and Water Supply	Report on performance of the Department of Energy and Water Supply - Queensland Multicultural Action Plan 2011-2014 Core Outcomes	October 2013	Obsolete – replaced with Queensland Cultural Diversity Policy reporting	October 2013	Yes
Complaint statistics – Energy and Water Ombudsman	Total number of complaint cases received and closed monthly, including complaint issue	December 2013	Annually	N/A	Yes

Dataset name	Description of data	Date of publication	Frequency of update	End of release date (if applicable)	Open licence?
Consultancy spending – Unitywater	2012-13 Consultancy spending undertaken by Unitywater	March 2014	Annually	N/A	Yes
Overseas travel - Unitywater	Overseas travel undertaken by officers of Unitywater in 2012-13	March 2014	Annually	N/A	Yes
Queensland Cultural Diversity Policy – Department of Energy and Water Supply	Reporting on whole of government core outcome about improved access to interpreters for clients when accessing services	October 2014	Annually	N/A	Yes
Overseas Travel – Department of Energy and Water Supply	Overseas travel undertaken by officers of Department of Energy and Water Supply on an annual, financial year basis	October 2014	Annually	N/A	Yes
Consultancy spending – Department of Energy and Water Supply	Consultancy spending undertaken by the Department of Energy and Water Supply, on an annual financial year basis	October 2014	Annually	N/A	Yes



Telephone enquiries

Water: 13 QGOV (13 74 68) business hours

Energy: 13 43 87 business hours

Visit: www.dews.qld.gov.au