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1. Government resource efficiency
policy

*Agency Name* Report

2016-17

State of NSW and Office of Environment and Heritage

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# About this report

Launched in July 2014, GREP [(the Government Resource Efficiency Policy)](http://www.environment.nsw.gov.au/resources/government/140567NSWGREP.pdf) improves performance in three main areas—energy, water and waste—and also reduces harmful air emissions from government operations. All general government sector agencies are required to report annually on policy targets, actions and minimum standards by using financial-year data.

This report gives details of resource usage for the \_rptYear reporting year and the three previous years by [\_agencyName]. A list of entities included in this report is available in [Appendix C](#_List_of_entities).

\_agencyName is located within the [\_clusterName] cluster.

This report has been compiled by OEH and is set out using the headings for the measures in the policy:

* E1: Total electricity and gas consumption and expenditure, including a comparison with the previous three years
* E1: Number of energy efficiency projects undertaken during the reporting year and the estimated annual bill savings
* E2: Minimum NABERS Energy ratings for offices and data centres
* E3: Minimum standards for new electrical appliances and equipment
* E4: Minimum standards for new buildings
* E5: Identify and enable solar leasing opportunities
* E6: Minimum fuel efficiency standards for new light vehicles
* E7: Purchase 6% GreenPower
* W1: Total potable water consumption and expenditure, including a comparison with the previous three years once data is available
* W2: Minimum water standards for office buildings
* W3: Minimum standards for new water-using appliances
* P1: Top three waste streams by volume and cost of disposal over the past three years
* A1: Air emission standards for mobile non-road diesel plant and equipment
* A2: Low Volatile Organic Carbon surface coatings

# Agency summary

# Action: E1

Target to undertake energy efficiency projects

All clusters will undertake energy efficiency projects at sites representing 90% of their billed energy use (electricity and natural gas) by the end of 2023–24, with an interim target of 55% for Health and 40% for other clusters by 2017–18.

Individual interim target for agency\*

Baseline financial year

XXXX

$XXX

\* billed energy use for electricity and gas.

Agency progress to date towards individual interim target

XX%

**Total electricity and gas consumption and expenditure, including a comparison with the previous three years**

|  |  |  |  |
| --- | --- | --- | --- |
| **FY** | **Electricity** | **Natural gas** | **LPG** |
| MWh | $m | GJ | $m | GJ[[1]](#footnote-1) | $m |
| 2016-17 |  |  |  |  |  |  |
| 2015-16 |  |  |  |  |  |  |
| 2014-15 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**Number of energy efficiency projects undertaken during the reporting year and previous years and the estimated annual bill savings**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **FY** | **Agency projects (undertaken independently)** | **Estimated Bill Savings ($)** | **Agency projects (Government Finance Facility)** | **Estimated Bill Savings ($)** | **Total number of projects** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Agencies are able to count the savings generated by energy efficiency projects implemented since July 2012 towards meeting the energy efficiency target.

*Enter E1 Extra Notes*

# Action: E2

*Minimum NABERS Energy ratings for offices and data centres*

**Describe how large owned and leased office buildings (over 2,000m2) will achieve and maintain a NABERS Energy rating of at least 4.5 stars by June 2017.**

*Enter text here*

**Describe how your data centres will achieve a minimum infrastructure and IT equipment NABERS Energy rating of 4.5 stars by June 2017.**

*Enter text here*

# Action: E3

*Minimum standards for new electrical appliances and equipment*

**How is the agency performing when purchasing energy efficiency appliances and equipment?**

*Enter text here*

# Action: E4

*Minimum standards for new buildings*

**How are the minimum standards for new buildings being incorporated into construction specifications?**

*Enter text here*

# Action: E5

*Identify and enable solar leasing opportunities*

**What solar PV projects have been implemented this financial year? What new solar PV opportunities have been identified?**

*Enter text here*

# Action: E6

*Minimum fuel efficiency standards for new light vehicles*

**Describe how vehicles purchased outside the State Contract comply with the minimum fuel efficiency standards.**

*Enter text here*

# Action: E7

*Purchase 6% Green Power[[2]](#footnote-2)*

% purchased during 2016-17

X%

**A minimum of six percent GreenPower is to be purchased.**

*Enter text here*

# Action: W1

*Total potable water consumption and expenditure, including a comparison with the* *previous three years once data is available*

|  |  |
| --- | --- |
| **FY** | **Water[[3]](#footnote-3)** |
| kL | $m |
| 2016-17 |  |  |
| 2015-16 |  |  |
| 2014-15 |  |  |
|  |  |  |

Difference from previous year: \_priorYear

Total water use for 2016-17 (kL)

XX%

XXXX

*Enter W1 Extra Notes*

# Action: W2

*Minimum NABERS water ratings for office buildings*

**Describe how owned and leased, new or refurbished, office buildings (over 2,000m2) will achieve a whole building NABERS Water rating of 4 stars where cost-effective.**

*Enter text here*

# Action: W3

*Minimum standards for new water-using appliances*

**How is the agency performing when purchasing water efficient appliances? Do all new water-using appliances meet the average WELS star rating for the product type?**

*Enter text here*

# Action: P1

*Top three waste streams[[4]](#footnote-4) by volume and cost of disposal over the past three years. Waste table units are as follows: kL – kiloLitres; T – Tonnes; m3 – cubic meters.*

| **FY** | **\_WasteStream1** | **\_WasteStream2** | **\_WasteStream3** |
| --- | --- | --- | --- |
| Total volume | Unit | $k | Total volume | Unit | $k | Total volume | Unit | $k |
| 2016 -17 |  |  |  |  |  |  |  |  |  |

*\* Maximum amount of waste generated if all reported bins were full*

*Enter P1 Extra Notes*

# Action: A1

*Air emissions standards for mobile non-road diesel plant and equipment*

**Outline how specifications for any new or contractor supplied equipment will meet the air emission standards.**

*Enter text here*

# Action: A2

 *Low-VOC surface coatings*

**Outline how specifications for surface coatings (used by the agency and its sub-contractors) will comply with the Australian Paint Approval Scheme.**

*Enter text here*

# Appendix A

## *\_Agency Name* beyond compliance statement

**Energy:**

*Enter text here*

**Water:**

*Enter text here*

**Waste:**

*Enter text here*

**Clean air:**

*Enter text here*

**Other:**

*Enter text here*

## \_*Agency Name* additional information

*Enter text here*

# Appendix B

*Note- This section requires agencies to have information for the whole cluster, please leave blank if you do not have access to this information.*

## Cluster overview – *\_Cluster Name*

Total resource expenditure 2016-17

Percentage change from previous year 2015-16

$XX

X%

Includes electricity, natural gas, LPG and water

**Total resource consumption and expenditure**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **FY** | **Electricity** | **Natural Gas** | **LPG** | **Water** | **Waste** |
| MWh | $m | GJ | $m | GJ | $m | ML | $m |  | $m |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

**Number of energy efficiency projects undertaken during the reporting year and the estimated annual bill savings**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **FY** | **Agency projects (undertaken independently)** | **Estimated Bill Savings ($)** | **Agency projects (Government Finance Facility)** | **Estimated Bill Savings ($)** | **Total number of projects** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# Appendix C

## List of entities included in the report

| **Entity name** | **Is GGS[[5]](#footnote-5)** |
| --- | --- |
|  |  |

## List of entities included in the cluster

| **Entity name** | **Is GGS5** |
| --- | --- |
|  |  |

# Appendix D

## Methodology

This report presents data from government-held contracts combined with internally sourced data, where provided by agencies.

All data has been annualised to cover 12 months for monthly billing cycles, and 365 days for quarterly billing cycles.

All expenditure figures include both usage and service charges and exclude GST.

Expenditure and consumption in leased premises managed by Property NSW is included in the Department of Finance, Services and Innovation report.

**Cluster 40 or 55 per cent target**

The cluster 40 or 55 per cent target is based on the total billed energy use ($) for electricity and natural gas data from FY2013–14 (1 July 2013 – 30 June 2014).

Data for all sites belonging to agencies classified as General Government Sector within a cluster are included in the target.

The cluster classification used in this report is for FY2015–16, effective 1 July 2015.

Water data is collated by OEH and sourced from Sydney Water and Hunter Water Corporation along with additional data reported by agencies on water purchased from Local Government suppliers. OEH collect data on behalf of those agencies that granted permission to access their accounts.

Waste data is not collated by OEH but reported directly by agencies. Where agencies did not have access to actual waste quantity data, through the on-line portal OEH provided a facility for agencies to estimate the maximum quantity of waste generated. This is based on the number and size of bins on-site and uses established industry densities.

## Contact OEH

If you would like further information on how OEH collates the data it receives or information on the Government Resource Efficiency Policy, please contact:

**Office of Environment and Heritage**

Sustainable Government Team

**E**: government@environment.nsw.gov.au

1. Converted from Litres – LPG [1kL = 25.7GJ] [↑](#footnote-ref-1)
2. This includes government contract and off contract data [↑](#footnote-ref-2)
3. OEH collated water data supplied by Sydney Water and Hunter Water Corporation for agencies that granted permission to access their accounts. [↑](#footnote-ref-3)
4. Top three waste streams nominated by agency [↑](#footnote-ref-4)
5. GGS – general government sector agency [↑](#footnote-ref-5)