



EARTHCHECK

BENCHMARKING ASSESSMENT REPORT

AIRPORT BENCHMARKING

AUCKLAND INTERNATIONAL AIRPORT
AUCKLAND, NEW ZEALAND



REPORT DATE: 15 October 2014

Benchmarking Data Collection Period: 1 July 2013 – 30 June 2014

The planet deserves more than half measures

OVERVIEW

This annual assessment of **Auckland International Airport** was undertaken against EarthCheck benchmarking indicators and checklists developed for EarthCheck and listed below. ¹ They have been carefully selected to track performance in key areas of environmental and social performance impact. EarthCheck benchmarking provides an organisation a vehicle for sustainability reporting and is based on the premise of continual improvement. By undertaking a Benchmarking Assessment an organisation meets the requirements of annual benchmarking which includes the collection and submission of benchmarking data to EarthCheck for review and completion of the Benchmarking Assessment Report. ²

| | Indicator Measure (Benchmark) |
|--------------------------|---|
| 1 Policy | Policy is produced and in place |
| 2 Energy | Energy Consumption (MJ / Square Metre) Green Power (%) ³ Greenhouse Gas Emissions (Scope 1 and Scope 2) (kg CO ₂ -e / Square Metre) ⁴ Indirect Emissions (Scope 3) (kg CO ₂ -e / Passenger) ⁴ |
| 3 Water | Potable Water Consumption (L / Passenger) Recycled / Captured Water (%) ³ Water Savings Rating (Points) |
| 4 Waste | Waste Sent to Landfill (L / Passenger) Recycled / Reused / Composted Waste (%) ³ Waste Recycling Rating (Points) |
| 5 Community | Community Commitment (%) Community Contributions Rating (Points) |
| 6 Paper | Paper Products Rating (Points) |
| 7 Cleaning | Cleaning Products Rating (Points) |
| 8 Pesticides | Pesticide Products Rating (Points) |
| 9 Sector Specific | Water Samples Passed (%) Proven Noise Infringements (%) |

¹ Refer to the EarthCheck Sector Benchmarking Indicator (SBI) document for more information. For frequently asked questions (FAQs) about benchmarking or specific help, please log on to 'My EarthCheck' and visit your EarthCheck Benchmarking software.

² To meet the requirements stipulated in the EarthCheck Company Standard organisations are required to collect and submit Benchmarking data against each of the Core Benchmarking Indicators by way of annual Benchmarking Assessment, and have in place a repeatable system for accurately recording Benchmarking data including a methodology for calculating the organisation's Activity Measure for each consecutive year.

As a standard policy, all EarthCheck indicators are continuously reviewed, along with the performance levels which operators have to achieve in order to meet the requirements of the Company Standard. This review takes into account "business-as-usual" changes in practices and equipment, and is used to update where appropriate Baseline and Best Practice levels.

³ These indicators are for guidance only and do not affect the overall benchmarking evaluation.

⁴ There may be a slight variation between total figures presented in the energy table and the data summary due to unit selection and data rounding.

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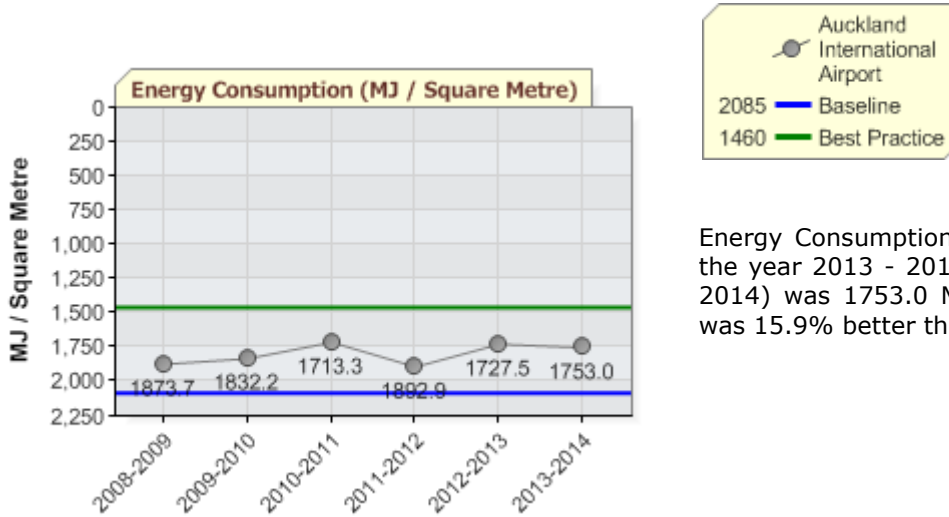
AIRPORT PERFORMANCE BENCHMARKS

Current performance: Below Baseline ✖ At or above Baseline ✔ At or above Best Practice ★

1. Policy ★

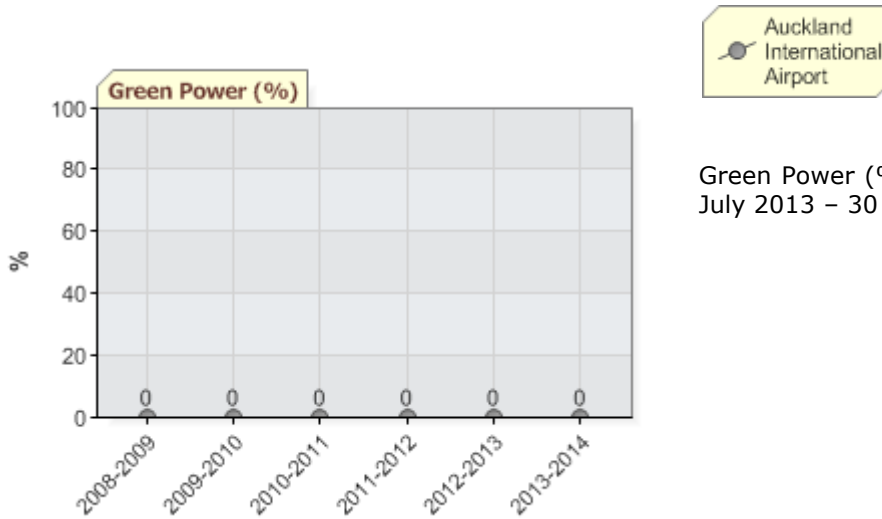
2. Energy

Energy Consumption (MJ / Square Metre) ✔



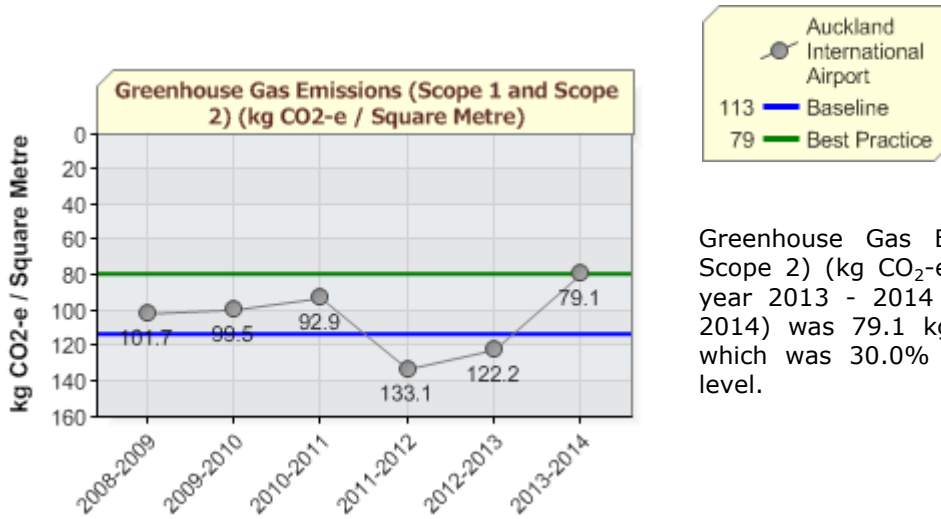
Energy Consumption (MJ / Square Metre) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 1753.0 MJ / Square Metre, which was 15.9% better than the Baseline level.

Green Power (%)



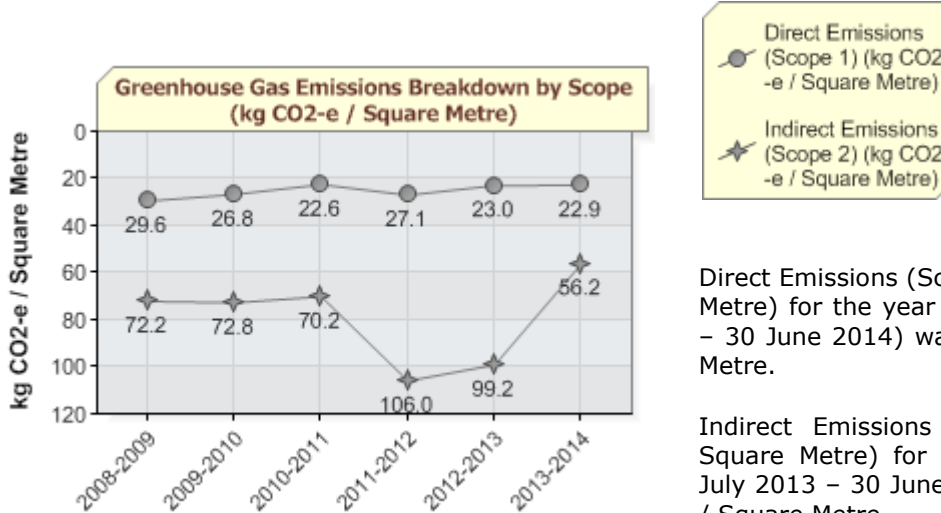
Green Power (%) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 0%.

Greenhouse Gas Emissions (Scope 1 and Scope 2) (kg CO₂-e / Square Metre) ✓



Greenhouse Gas Emissions (Scope 1 and Scope 2) (kg CO₂-e / Square Metre) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 79.1 kg CO₂-e / Square Metre, which was 30.0% better than the Baseline level.

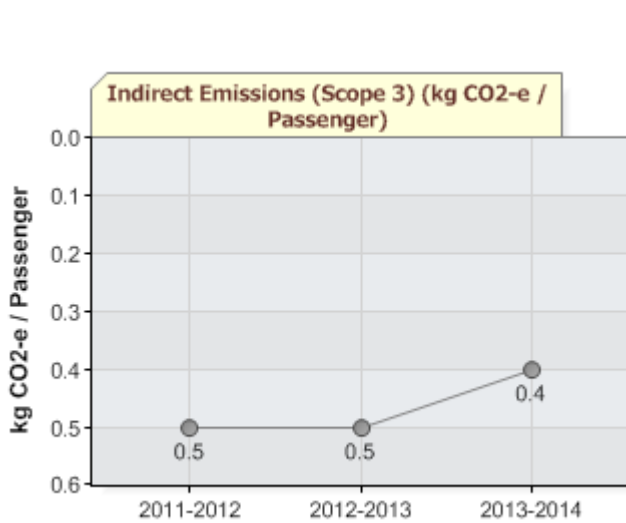
Greenhouse Gas Emissions Breakdown by Scope (kg CO₂-e / Square Metre)



Direct Emissions (Scope 1) (kg CO₂-e / Square Metre) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 22.9 kg CO₂-e / Square Metre.

Indirect Emissions (Scope 2) (kg CO₂-e / Square Metre) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 56.2 kg CO₂-e / Square Metre.

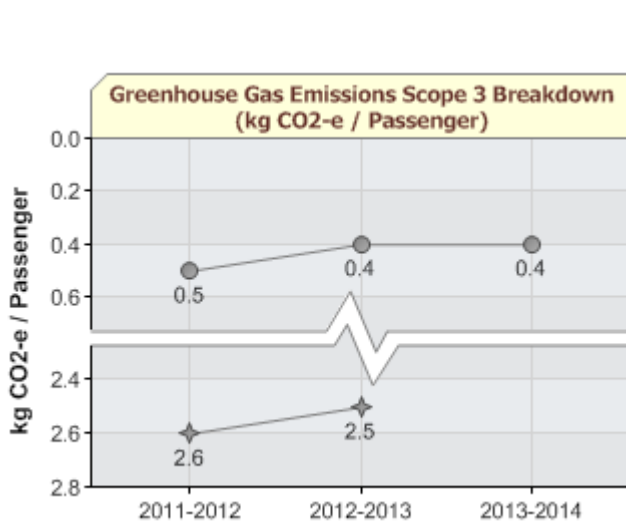
Indirect Emissions (Scope 3) (kg CO₂-e / Passenger)



Auckland International Airport

Indirect Emissions (Scope 3) (kg CO₂-e / Passenger) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 0.4 kg CO₂-e / Passenger.

Greenhouse Gas Emissions Scope 3 Breakdown (kg CO₂-e / Passenger)



Waste Indirect Emissions (Scope 3) (kg CO₂-e / Passenger)

Transport Indirect Emissions (Scope 3) (kg CO₂-e / Square Metre)

Transport Indirect Emissions (Scope 3) (kg CO₂-e / Square Metre) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) not measured as no data entered.

Waste Indirect Emissions (Scope 3) (kg CO₂-e / Passenger) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 0.4 kg CO₂-e / Passenger.

| Direct Emissions (Scope 1) | | | | | | | |
|--------------------------------------|----------|------|-------------------------|--|--|---|--|
| Stationary Fuel Combustion | | | | | | | |
| Jul 2013 | | | | | | | |
| Type | Quantity | Unit | Energy Consumption (MJ) | CO ₂ Emission Estimate (t CO ₂ -e) | CH ₄ Emission Estimate (t CO ₂ -e) | N ₂ O Emission Estimate (t CO ₂ -e) | Total Emission Estimate (t CO ₂ -e) |
| Natural gas | 5259 | GJ | 5259000.0 | 278.7 | 0.1 | 3.4 | 282.2 |
| subtotal | | | 5259000.0 | 278.7 | 0.1 | 3.4 | 282.2 |
| Aug 2013 | | | | | | | |
| Natural gas | 4450 | GJ | 4450000.0 | 235.9 | 0.1 | 2.9 | 238.8 |
| subtotal | | | 4450000.0 | 235.9 | 0.1 | 2.9 | 238.8 |
| Sep 2013 | | | | | | | |
| Natural gas | 4059 | GJ | 4059000.0 | 215.1 | 0.09 | 2.6 | 217.8 |
| subtotal | | | 4059000.0 | 215.1 | 0.09 | 2.6 | 217.8 |
| Oct 2013 | | | | | | | |
| Natural gas | 3044 | GJ | 3044000.0 | 161.3 | 0.07 | 2.0 | 163.4 |
| subtotal | | | 3044000.0 | 161.3 | 0.07 | 2.0 | 163.4 |
| Nov 2013 | | | | | | | |
| Natural gas | 1879 | GJ | 1879000.0 | 99.6 | 0.04 | 1.2 | 100.8 |
| subtotal | | | 1879000.0 | 99.6 | 0.04 | 1.2 | 100.8 |
| Dec 2013 | | | | | | | |
| Natural gas | 1612 | GJ | 1612000.0 | 85.4 | 0.04 | 1.0 | 86.5 |
| subtotal | | | 1612000.0 | 85.4 | 0.04 | 1.0 | 86.5 |
| Jan 2014 | | | | | | | |
| Natural gas | 1789 | GJ | 1789000.0 | 94.8 | 0.04 | 1.1 | 96.0 |
| subtotal | | | 1789000.0 | 94.8 | 0.04 | 1.1 | 96.0 |
| Feb 2014 | | | | | | | |
| Natural gas | 1216 | GJ | 1216000.0 | 64.4 | 0.03 | 0.8 | 65.3 |
| subtotal | | | 1216000.0 | 64.4 | 0.03 | 0.8 | 65.3 |
| Mar 2014 | | | | | | | |
| Natural gas | 1689 | GJ | 1689000.0 | 89.5 | 0.04 | 1.1 | 90.6 |
| subtotal | | | 1689000.0 | 89.5 | 0.04 | 1.1 | 90.6 |
| Apr 2014 | | | | | | | |
| Natural gas | 1697 | GJ | 1697000.0 | 89.9 | 0.04 | 1.1 | 91.1 |
| subtotal | | | 1697000.0 | 89.9 | 0.04 | 1.1 | 91.1 |
| May 2014 | | | | | | | |
| Natural gas | 2932 | GJ | 2932000.0 | 155.4 | 0.07 | 1.9 | 157.3 |
| subtotal | | | 2932000.0 | 155.4 | 0.07 | 1.9 | 157.3 |
| Jun 2014 | | | | | | | |
| Natural gas | 3500 | GJ | 3500000.0 | 185.5 | 0.08 | 2.2 | 187.8 |
| subtotal | | | 3500000.0 | 185.5 | 0.08 | 2.2 | 187.8 |
| Mobile Fuel Combustion (road) | | | | | | | |
| Jul 2013 | | | | | | | |
| Type | Quantity | Unit | Energy Consumption (MJ) | CO ₂ Emission Estimate (t CO ₂ -e) | CH ₄ Emission Estimate (t CO ₂ -e) | N ₂ O Emission Estimate (t CO ₂ -e) | Total Emission Estimate (t CO ₂ -e) |

| | | | | | | | |
|-----------------|---------|------------|----------|------|------|------|------|
| Diesel | 7740.83 | litres (L) | 297634.9 | 20.5 | 0.02 | 0.1 | 20.7 |
| Motor gasoline | 5119.79 | litres (L) | 179551.0 | 11.8 | 0.03 | 0.2 | 12.0 |
| subtotal | | | 477185.9 | 32.4 | 0.05 | 0.3 | 32.7 |
| Aug 2013 | | | | | | | |
| Diesel | 8519.5 | litres (L) | 327574.8 | 22.6 | 0.02 | 0.1 | 22.7 |
| Motor gasoline | 3446.83 | litres (L) | 120880.3 | 8.0 | 0.02 | 0.1 | 8.1 |
| subtotal | | | 448455.1 | 30.6 | 0.04 | 0.3 | 30.9 |
| Sep 2013 | | | | | | | |
| Diesel | 4690.14 | litres (L) | 180335.9 | 12.4 | 0.01 | 0.08 | 12.5 |
| Motor gasoline | 3816.41 | litres (L) | 133841.5 | 8.8 | 0.03 | 0.1 | 9.0 |
| subtotal | | | 314177.4 | 21.3 | 0.04 | 0.2 | 21.5 |
| Oct 2013 | | | | | | | |
| Diesel | 6032.47 | litres (L) | 231948.5 | 16.0 | 0.01 | 0.1 | 16.1 |
| Motor gasoline | 3723.64 | litres (L) | 130588.1 | 8.6 | 0.02 | 0.1 | 8.8 |
| subtotal | | | 362536.5 | 24.6 | 0.04 | 0.2 | 24.9 |
| Nov 2013 | | | | | | | |
| Diesel | 6881.6 | litres (L) | 264597.5 | 18.2 | 0.02 | 0.1 | 18.4 |
| Motor gasoline | 3762.4 | litres (L) | 131947.4 | 8.7 | 0.02 | 0.1 | 8.9 |
| subtotal | | | 396544.9 | 26.9 | 0.04 | 0.2 | 27.2 |
| Dec 2013 | | | | | | | |
| Diesel | 7817.18 | litres (L) | 300570.6 | 20.7 | 0.02 | 0.1 | 20.9 |
| Motor gasoline | 3604.36 | litres (L) | 126404.9 | 8.3 | 0.02 | 0.1 | 8.5 |
| subtotal | | | 426975.5 | 29.1 | 0.04 | 0.3 | 29.4 |
| Jan 2014 | | | | | | | |
| Diesel | 5359.11 | litres (L) | 206057.8 | 14.2 | 0.01 | 0.09 | 14.3 |
| Motor gasoline | 3466.01 | litres (L) | 121553.0 | 8.0 | 0.02 | 0.1 | 8.2 |
| subtotal | | | 327610.8 | 22.2 | 0.04 | 0.2 | 22.5 |
| Feb 2014 | | | | | | | |
| Diesel | 5307.21 | litres (L) | 204062.2 | 14.1 | 0.01 | 0.09 | 14.2 |
| Motor gasoline | 4812.14 | litres (L) | 168761.7 | 11.1 | 0.03 | 0.2 | 11.3 |
| subtotal | | | 372824.0 | 25.2 | 0.05 | 0.3 | 25.5 |
| Mar 2014 | | | | | | | |
| Diesel | 7316.72 | litres (L) | 281327.9 | 19.4 | 0.02 | 0.1 | 19.5 |
| Motor gasoline | 4491.25 | litres (L) | 157508.1 | 10.4 | 0.03 | 0.2 | 10.6 |
| subtotal | | | 438836.0 | 29.8 | 0.05 | 0.3 | 30.1 |
| Apr 2014 | | | | | | | |
| Diesel | 6675.82 | litres (L) | 256685.3 | 17.7 | 0.02 | 0.1 | 17.8 |
| Motor gasoline | 2023.55 | litres (L) | 70965.9 | 4.7 | 0.01 | 0.07 | 4.8 |
| subtotal | | | 327651.2 | 22.4 | 0.03 | 0.2 | 22.6 |
| May 2014 | | | | | | | |
| Diesel | 5396.14 | litres (L) | 207481.6 | 14.3 | 0.01 | 0.09 | 14.4 |
| Motor gasoline | 4571.13 | litres (L) | 160309.5 | 10.6 | 0.03 | 0.2 | 10.8 |

| | | | | | | | |
|-------------------------------------|-----------------|-------------|--------------------------------|--|--|--|---|
| subtotal | | | 367791.1 | 24.9 | 0.04 | 0.2 | 25.2 |
| Jun 2014 | | | | | | | |
| Diesel | 6604.75 | litres (L) | 253952.6 | 17.5 | 0.02 | 0.1 | 17.6 |
| Motor gasoline | 3419.76 | litres (L) | 119931.0 | 7.9 | 0.02 | 0.1 | 8.0 |
| subtotal | | | 373883.6 | 25.4 | 0.04 | 0.2 | 25.7 |
| Mobile Fuel Combustion (air) | | | | | | | |
| Jul 2013 | | | | | | | |
| Type | Quantity | Unit | Energy Consumption (MJ) | CO₂ Emission Estimate (t CO₂-e) | CH₄ Emission Estimate (t CO₂-e) | N₂O Emission Estimate (t CO₂-e) | Total Emission Estimate (t CO₂-e) |
| Jet Kerosene | 6000 | litres (L) | 223740.0 | 15.2 | 0.002 | 0.1 | 15.3 |
| subtotal | | | 223740.0 | 15.2 | 0.002 | 0.1 | 15.3 |
| Aug 2013 | | | | | | | |
| Jet Kerosene | 9508 | litres (L) | 354553.3 | 24.1 | 0.004 | 0.2 | 24.3 |
| subtotal | | | 354553.3 | 24.1 | 0.004 | 0.2 | 24.3 |
| Sep 2013 | | | | | | | |
| Jet Kerosene | 3006 | litres (L) | 112093.7 | 7.6 | 0.001 | 0.07 | 7.7 |
| subtotal | | | 112093.7 | 7.6 | 0.001 | 0.07 | 7.7 |
| Oct 2013 | | | | | | | |
| Jet Kerosene | 2000 | litres (L) | 74580.0 | 5.1 | 0.0008 | 0.04 | 5.1 |
| subtotal | | | 74580.0 | 5.1 | 0.0008 | 0.04 | 5.1 |
| Nov 2013 | | | | | | | |
| Jet Kerosene | 0 | litres (L) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| subtotal | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dec 2013 | | | | | | | |
| Jet Kerosene | 6000 | litres (L) | 223740.0 | 15.2 | 0.002 | 0.1 | 15.3 |
| subtotal | | | 223740.0 | 15.2 | 0.002 | 0.1 | 15.3 |
| Jan 2014 | | | | | | | |
| Jet Kerosene | 0 | litres (L) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| subtotal | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Feb 2014 | | | | | | | |
| Jet Kerosene | 4002 | litres (L) | 149234.6 | 10.1 | 0.002 | 0.09 | 10.2 |
| subtotal | | | 149234.6 | 10.1 | 0.002 | 0.09 | 10.2 |
| Mar 2014 | | | | | | | |
| Jet Kerosene | 4706 | litres (L) | 175486.7 | 11.9 | 0.002 | 0.1 | 12.0 |
| subtotal | | | 175486.7 | 11.9 | 0.002 | 0.1 | 12.0 |
| Apr 2014 | | | | | | | |
| Jet Kerosene | 0 | litres (L) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| subtotal | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| May 2014 | | | | | | | |
| Jet Kerosene | 0 | litres (L) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| subtotal | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Jun 2014 | | | | | | | |
| Jet Kerosene | 0 | litres (L) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| subtotal | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

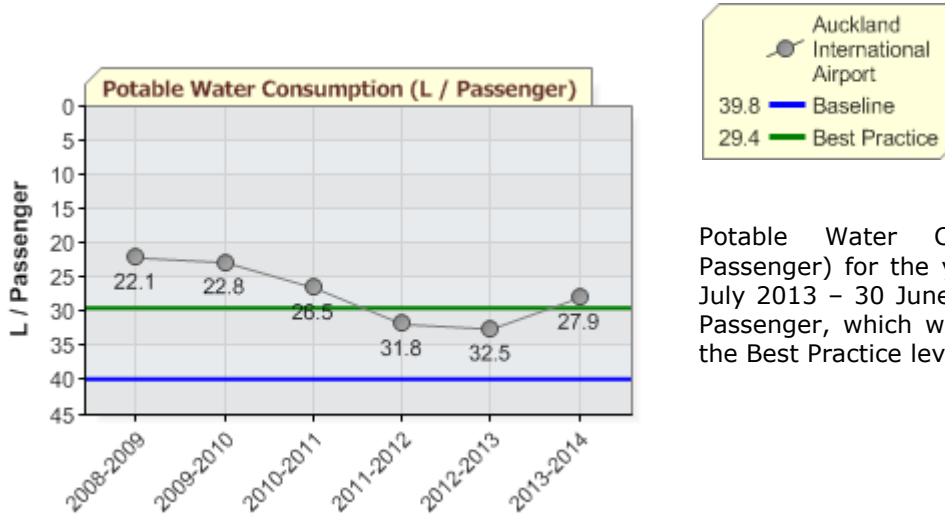
| TOTAL | | 39073900.4 | 2159.4 | 1.3 | 24.9 | 2185.6 | | |
|---|---------------------|---------------|-------------|-------------------------|--|--|---|--|
| Indirect Emissions (Scope 2) | | | | | | | | |
| Purchased Electricity | | | | | | | | |
| Jul 2013 | | | | | | | | |
| Quantity | Unit | % Green Power | Provider | Energy Consumption (MJ) | CO ₂ Emission Estimate (t CO ₂ -e) | CH ₄ Emission Estimate (t CO ₂ -e) | N ₂ O Emission Estimate (t CO ₂ -e) | Total Emission Estimate (t CO ₂ -e) |
| 2918671 | Kilowatt hour (kWh) | 0 | New Zealand | 10507215.6 | 438.4 | 0.2 | 0.8 | 439.3 |
| subtotal | | | | 10507215.6 | 438.4 | 0.2 | 0.8 | 439.3 |
| Aug 2013 | | | | | | | | |
| 2970838 | Kilowatt hour (kWh) | 0 | New Zealand | 10695016.8 | 446.2 | 0.2 | 0.8 | 447.2 |
| subtotal | | | | 10695016.8 | 446.2 | 0.2 | 0.8 | 447.2 |
| Sep 2013 | | | | | | | | |
| 2795261 | Kilowatt hour (kWh) | 0 | New Zealand | 10062939.6 | 419.9 | 0.2 | 0.7 | 420.8 |
| subtotal | | | | 10062939.6 | 419.9 | 0.2 | 0.7 | 420.8 |
| Oct 2013 | | | | | | | | |
| 2933453 | Kilowatt hour (kWh) | 0 | New Zealand | 10560430.8 | 440.6 | 0.2 | 0.8 | 441.6 |
| subtotal | | | | 10560430.8 | 440.6 | 0.2 | 0.8 | 441.6 |
| Nov 2013 | | | | | | | | |
| 2906159 | Kilowatt hour (kWh) | 0 | New Zealand | 10462172.4 | 436.5 | 0.2 | 0.8 | 437.5 |
| subtotal | | | | 10462172.4 | 436.5 | 0.2 | 0.8 | 437.5 |
| Dec 2013 | | | | | | | | |
| 3025074 | Kilowatt hour (kWh) | 0 | New Zealand | 10890266.4 | 454.4 | 0.2 | 0.8 | 455.4 |
| subtotal | | | | 10890266.4 | 454.4 | 0.2 | 0.8 | 455.4 |
| Jan 2014 | | | | | | | | |
| 3129800 | Kilowatt hour (kWh) | 0 | New Zealand | 11267280.0 | 470.1 | 0.2 | 0.8 | 471.1 |
| subtotal | | | | 11267280.0 | 470.1 | 0.2 | 0.8 | 471.1 |
| Feb 2014 | | | | | | | | |
| 3026437 | Kilowatt hour (kWh) | 0 | New Zealand | 10895173.2 | 454.6 | 0.2 | 0.8 | 455.6 |
| subtotal | | | | 10895173.2 | 454.6 | 0.2 | 0.8 | 455.6 |
| Mar 2014 | | | | | | | | |
| 3154748 | Kilowatt hour (kWh) | 0 | New Zealand | 11357092.8 | 473.9 | 0.2 | 0.8 | 474.9 |
| subtotal | | | | 11357092.8 | 473.9 | 0.2 | 0.8 | 474.9 |
| Apr 2014 | | | | | | | | |
| 2910859 | Kilowatt hour (kWh) | 0 | New Zealand | 10479092.4 | 437.2 | 0.2 | 0.8 | 438.2 |
| subtotal | | | | 10479092.4 | 437.2 | 0.2 | 0.8 | 438.2 |
| May 2014 | | | | | | | | |
| 2878870 | Kilowatt hour (kWh) | 0 | New Zealand | 10363932.0 | 432.4 | 0.2 | 0.7 | 433.4 |
| subtotal | | | | 10363932.0 | 432.4 | 0.2 | 0.7 | 433.4 |
| Jun 2014 | | | | | | | | |
| 2968682 | Kilowatt hour (kWh) | 0 | New Zealand | 10687255.2 | 445.9 | 0.2 | 0.8 | 446.9 |
| subtotal | | | | 10687255.2 | 445.9 | 0.2 | 0.8 | 446.9 |
| TOTAL | | | | 128227867.2 | 5350.1 | 2.3 | 9.3 | 5361.7 |
| Greenhouse Gas Emissions (Scope 1 and Scope 2) | | | | | | | | |

| GRAND TOTAL | | | | | 167301767.6 | 7509.5 | 3.6 | 34.2 | 7547.3 |
|------------------------------|--------------------|---|-----------------------------|-------------------|-------------|--|--|---|--|
| Indirect Emissions (Scope 3) | | | | | | | | | |
| Waste Sent to Landfill | | | | | | | | | |
| Jul 2013 | | | | | | | | | |
| Quantity | Unit | Type of Landfill | Type of Waste | Type of Operation | Source | CO ₂ Emission Estimate (t CO ₂ -e) | CH ₄ Emission Estimate (t CO ₂ -e) | N ₂ O Emission Estimate (t CO ₂ -e) | Total Emission Estimate (t CO ₂ -e) |
| 162 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 237.0 | 0.0 | 237.0 |
| subtotal | | | | | | 0.0 | 237.0 | 0.0 | 237.0 |
| Aug 2013 | | | | | | | | | |
| 161 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 235.5 | 0.0 | 235.5 |
| subtotal | | | | | | 0.0 | 235.5 | 0.0 | 235.5 |
| Sep 2013 | | | | | | | | | |
| 149 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 218.0 | 0.0 | 218.0 |
| subtotal | | | | | | 0.0 | 218.0 | 0.0 | 218.0 |
| Oct 2013 | | | | | | | | | |
| 157 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 229.7 | 0.0 | 229.7 |
| subtotal | | | | | | 0.0 | 229.7 | 0.0 | 229.7 |
| Nov 2013 | | | | | | | | | |
| 159 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 232.6 | 0.0 | 232.6 |
| subtotal | | | | | | 0.0 | 232.6 | 0.0 | 232.6 |
| Dec 2013 | | | | | | | | | |
| 191 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 279.4 | 0.0 | 279.4 |
| subtotal | | | | | | 0.0 | 279.4 | 0.0 | 279.4 |
| Jan 2014 | | | | | | | | | |
| 186 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 272.1 | 0.0 | 272.1 |
| subtotal | | | | | | 0.0 | 272.1 | 0.0 | 272.1 |
| Feb 2014 | | | | | | | | | |
| 171 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 250.2 | 0.0 | 250.2 |
| subtotal | | | | | | 0.0 | 250.2 | 0.0 | 250.2 |
| Mar 2014 | | | | | | | | | |
| 175 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 256.0 | 0.0 | 256.0 |
| subtotal | | | | | | 0.0 | 256.0 | 0.0 | 256.0 |
| Apr 2014 | | | | | | | | | |

| | | | | | | | | | |
|-----------------|--------------------|---|-----------------------------|----------|-------------|------------|---------------|------------|---------------|
| 165 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 241.4 | 0.0 | 241.4 |
| subtotal | | | | | | 0.0 | 241.4 | 0.0 | 241.4 |
| May 2014 | | | | | | | | | |
| 168 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 245.8 | 0.0 | 245.8 |
| subtotal | | | | | | 0.0 | 245.8 | 0.0 | 245.8 |
| Jun 2014 | | | | | | | | | |
| 175 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | New Zealand | 0.0 | 256.0 | 0.0 | 256.0 |
| subtotal | | | | | | 0.0 | 256.0 | 0.0 | 256.0 |
| TOTAL | | | | | | 0.0 | 2953.8 | 0.0 | 2953.8 |

3. Water

Potable Water Consumption (L / Passenger) ★



Potable Water Consumption (L / Passenger) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 27.9 L / Passenger, which was 5.1% better than the Best Practice level.

Jul-Sep 2013

| Quantity | Unit | Potable Water Consumption (kL) |
|----------|--------------|--------------------------------|
| 49311 | cubic metres | 49311.0 kL |

Oct-Dec 2013

| | | |
|-------|--------------|------------|
| 72502 | cubic metres | 72502.0 kL |
|-------|--------------|------------|

Jan-Mar 2014

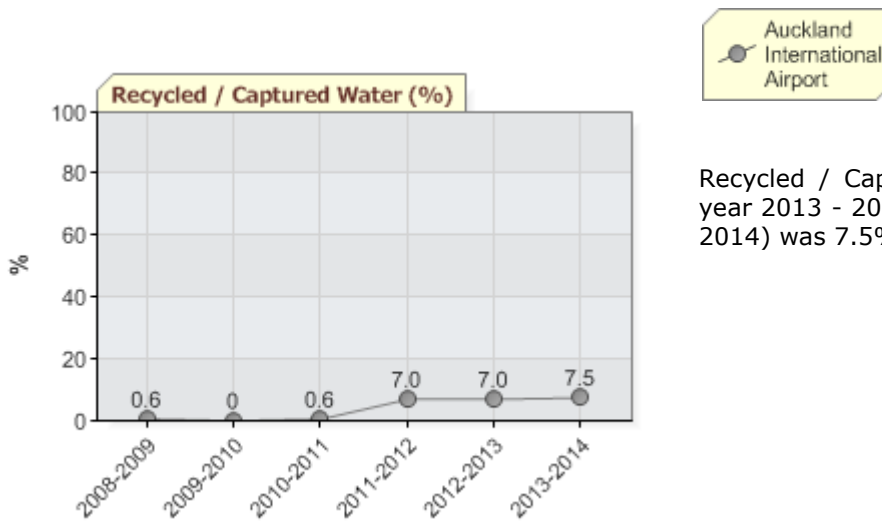
| | | |
|-------|--------------|------------|
| 61566 | cubic metres | 61566.0 kL |
|-------|--------------|------------|

Apr-Jun 2014

| | | |
|-------|--------------|------------|
| 43724 | cubic metres | 43724.0 kL |
|-------|--------------|------------|

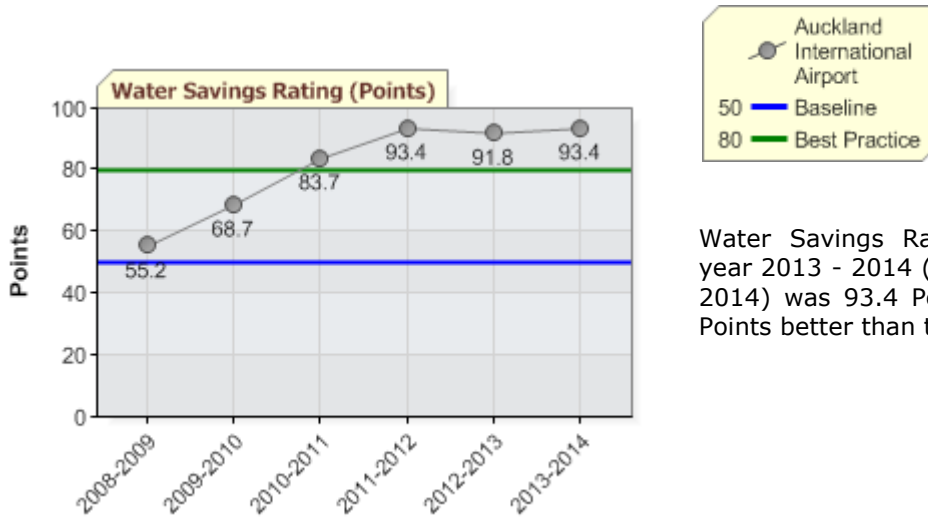
| | | |
|--|--------------|--------------------|
| | TOTAL | 227103.0 kL |
|--|--------------|--------------------|

Recycled / Captured Water (%)



Recycled / Captured Water (%) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 7.5%.

Water Savings Rating (Points) ★

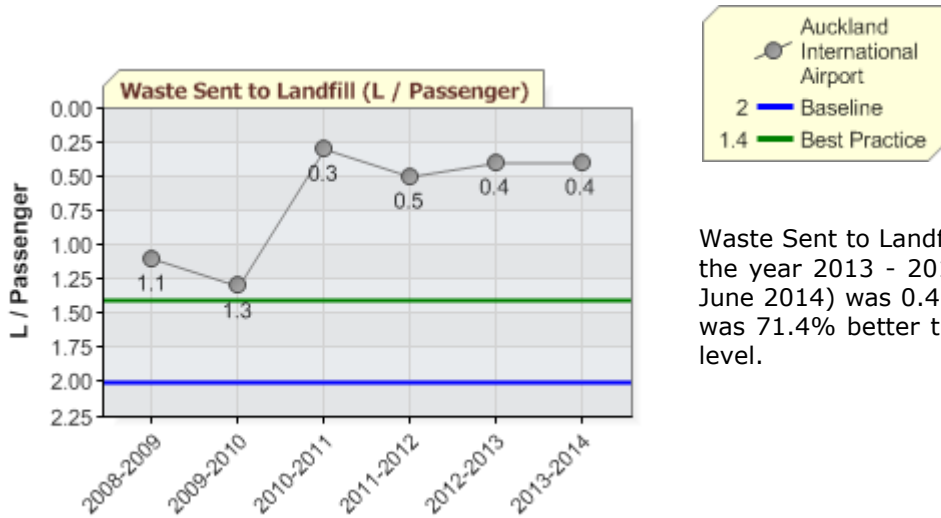


Water Savings Rating (Points) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 93.4 Points, which was 13.4 Points better than the Best Practice level.

| Water Savings Measures | Frequency / Percentage Rating | Water Savings Rating (Points) |
|----------------------------------|-------------------------------|-------------------------------|
| Check for leaks | Every week | 100.0 Points |
| Low/dual flush toilets | 100% | 100.0 Points |
| Low flow tap fittings | 100% | 100.0 Points |
| Low flow shower fittings | 100% | 100.0 Points |
| Water sprinklers used after dark | 100% | 100.0 Points |
| Minimal irrigation landscaping | 100% | 100.0 Points |
| Use of recycle/grey/rain water | 1-19% | 54.0 Points |
| | Overall Rating: | 93.4 Points |

4. Waste

Waste Sent to Landfill (L / Passenger) ★



Waste Sent to Landfill (L / Passenger) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 0.4 L / Passenger, which was 71.4% better than the Best Practice level.

Jul 2013

| Quantity | Unit | Type of Landfill | Type of Waste | Type of Operation | Waste Sent to Landfill (m ³) |
|----------|--------------------|---|-----------------------------|-------------------|--|
| 162 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 249.2 m ³ |

Aug 2013

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 161 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 247.7 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Sep 2013

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 149 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 229.2 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Oct 2013

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 157 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 241.5 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Nov 2013

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 159 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 244.6 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Dec 2013

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 191 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 293.8 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Jan 2014

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 186 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 286.2 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Feb 2014

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 171 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 263.1 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

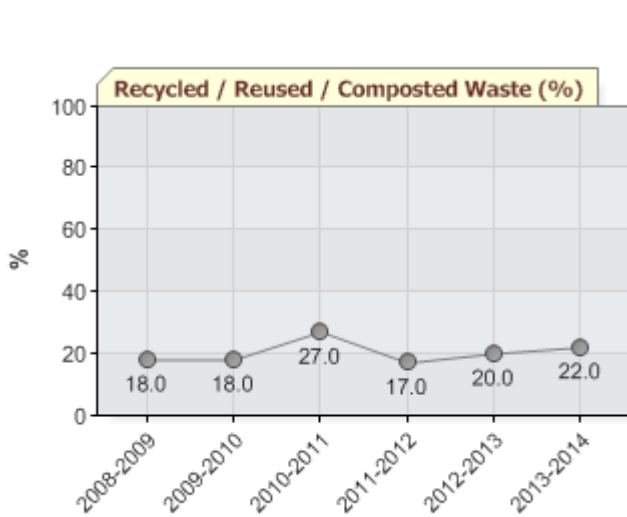
Mar 2014

| | | | | | |
|-----|--------------------|---|-----------------------------|----------|----------------------|
| 175 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 269.2 m ³ |
|-----|--------------------|---|-----------------------------|----------|----------------------|

Apr 2014

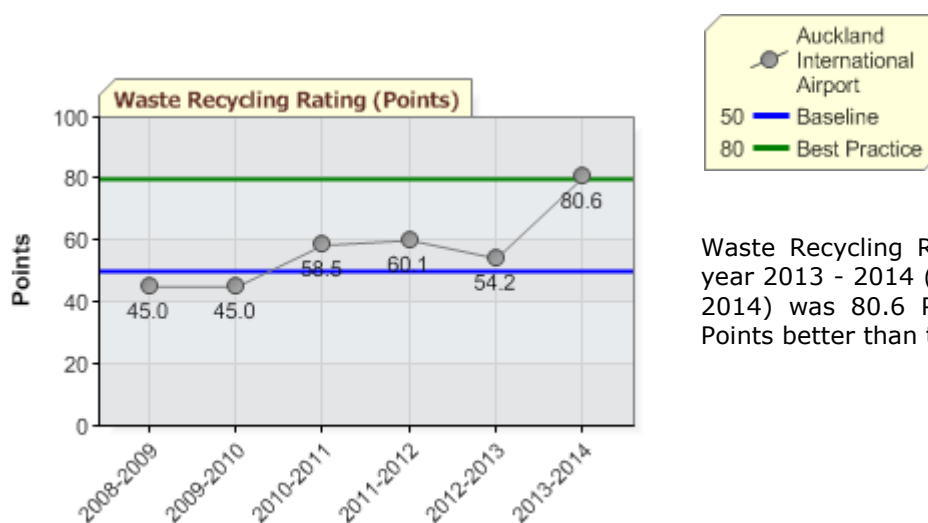
| | | | | | |
|-----------------|--------------------|---|-----------------------------|--------------|-----------------------------|
| 165 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 253.8 m ³ |
| May 2014 | | | | | |
| 168 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 258.5 m ³ |
| Jun 2014 | | | | | |
| 175 | tonnes (compacted) | Covered and/or managed waste treatment facility | Unknown (mixed waste types) | Airports | 269.2 m ³ |
| | | | | TOTAL | 3106.2 m³ |

Recycled / Reused / Composted Waste (%)



Recycled / Reused / Composted Waste (%) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 22.0%.

Waste Recycling Rating (Points) ★

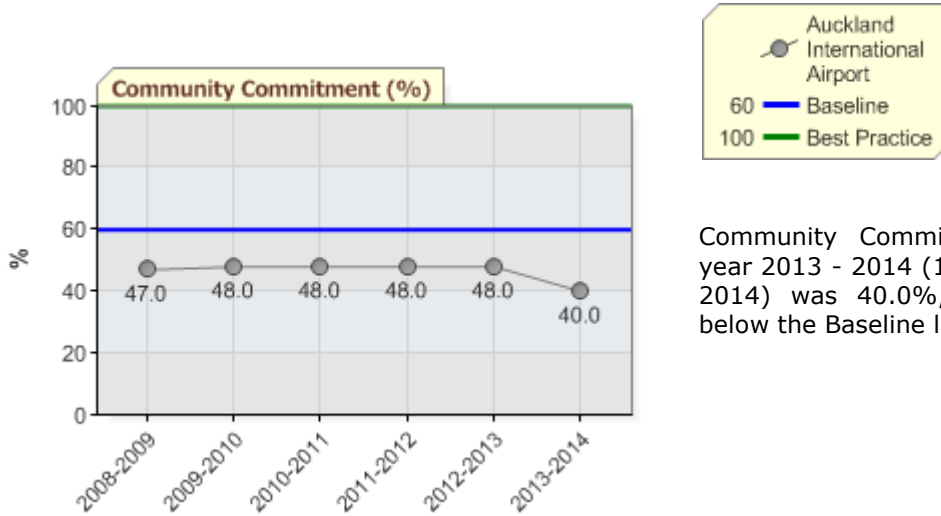


Waste Recycling Rating (Points) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 80.6 Points, which was 0.6 Points better than the Best Practice level.

| Waste Recycling Measures | Frequency / Percentage Rating | Waste Recycling Rating (Points) |
|-------------------------------|-------------------------------|---------------------------------|
| Glass | 80-99% | 88.9 Points |
| Paper/card | 80-99% | 88.9 Points |
| Iron & steel (ferrous metals) | 80-99% | 88.9 Points |
| Other metals (non-ferrous) | 80-99% | 88.9 Points |
| Plastics | 60-79% | 73.9 Points |
| Rubber | Not Relevant / Not Available | - |
| Green waste | 1-19% | 54.0 Points |
| | Overall Rating: | 80.6 Points |

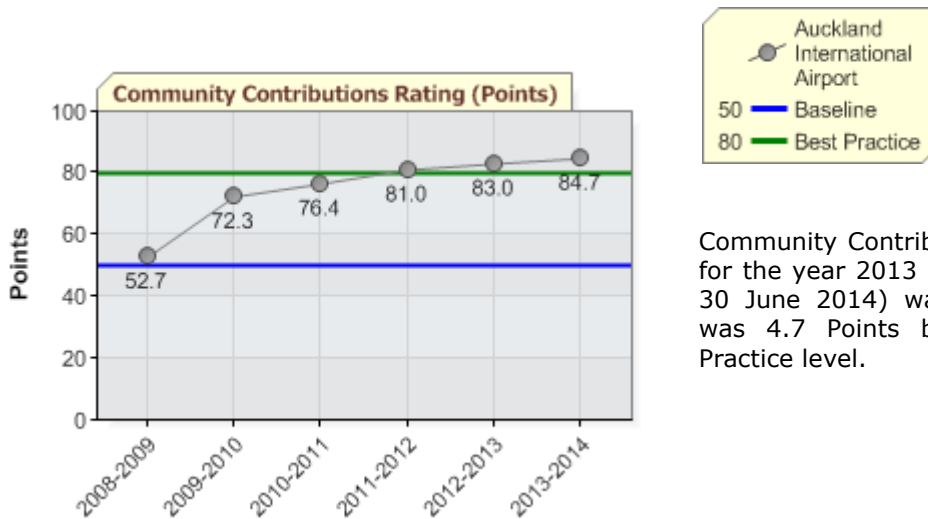
5. Community

Community Commitment (%) ✘



Community Commitment (%) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 40.0%, which was 20.0% below the Baseline level.

Community Contributions Rating (Points) ★

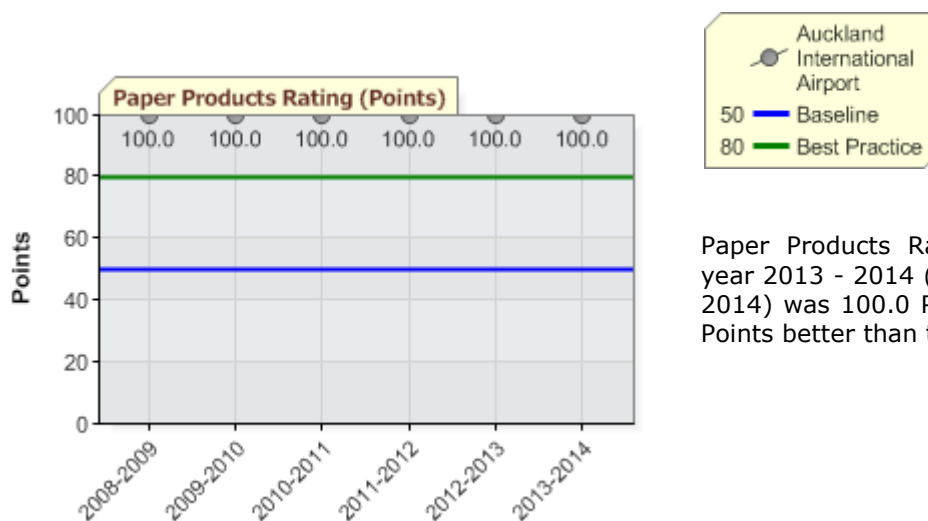


Community Contributions Rating (Points) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 84.7 Points, which was 4.7 Points better than the Best Practice level.

| Community Contributions Measures | Frequency / Percentage Rating | Community Contributions Rating (Points) |
|---|-------------------------------|---|
| Net income spent on sustainability programs | 0.1% - 1.9% | 54.0 Points |
| Perishable purchased goods that are of local origin | Not Relevant / Not Available | - |
| Service contracts given to local contractors | 100% | 100.0 Points |
| Staff received training on sustainability issues | 100% | 100.0 Points |
| | Overall Rating: | 84.7 Points |

6. Paper

Paper Products Rating (Points) ★

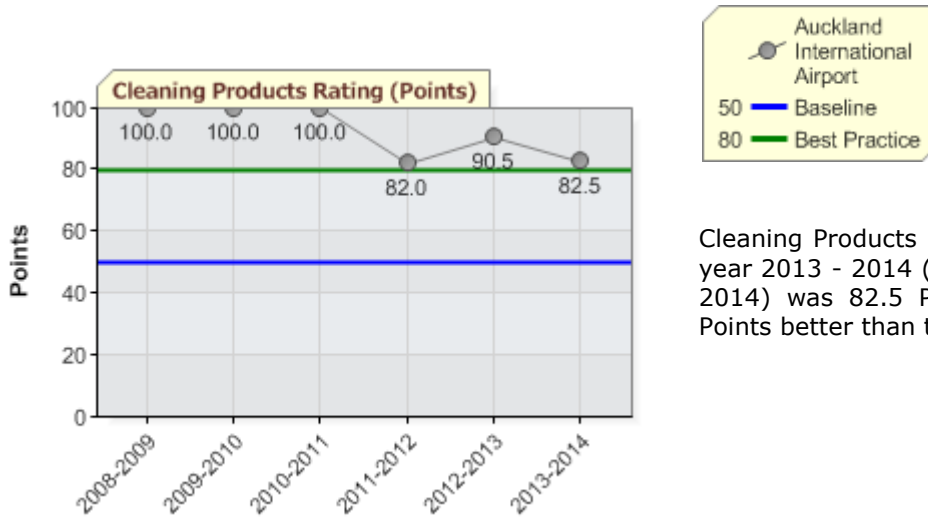


Paper Products Rating (Points) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 100.0 Points, which was 20.0 Points better than the Best Practice level.

| Paper Products Measures | Frequency / Percentage Rating | Paper Products Rating (Points) |
|-------------------------|-------------------------------|--------------------------------|
| Office paper | 100% | 100.0 Points |
| Serviettes | 100% | 100.0 Points |
| Tissues | 100% | 100.0 Points |
| Toilet tissue | 100% | 100.0 Points |
| Paper towels | 100% | 100.0 Points |
| | Overall Rating: | 100.0 Points |

7. Cleaning

Cleaning Products Rating (Points) ★

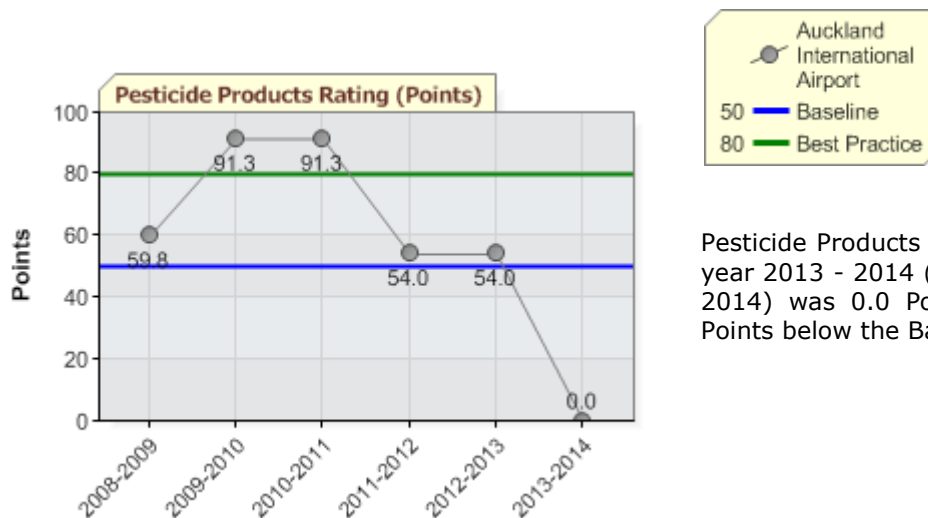


Cleaning Products Rating (Points) for the year 2013 - 2014 (1 July 2013 – 30 June 2014) was 82.5 Points, which was 2.5 Points better than the Best Practice level.

| Cleaning Products Measures | Frequency / Percentage Rating | Cleaning Products Rating (Points) |
|----------------------------|-------------------------------|-----------------------------------|
| Hard floor cleaners | 80-99% | 88.9 Points |
| Carpet cleaners | 100% | 100.0 Points |
| Interior surface cleaners | 100% | 100.0 Points |
| External surface cleaners | 100% | 100.0 Points |
| Glass cleaners | 80-99% | 88.9 Points |
| Detergents | 0% | 0.0 Points |
| Personal hygiene | 100% | 100.0 Points |
| | Overall Rating: | 82.5 Points |

8. Pesticides

Pesticide Products Rating (Points) ✘

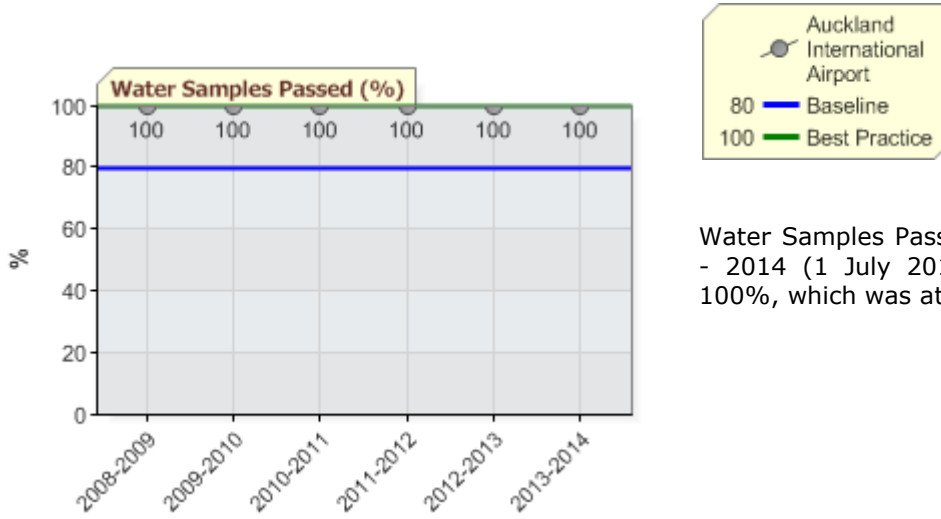


Pesticide Products Rating (Points) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 0.0 Points, which was 50.0 Points below the Baseline level.

| Pesticide Products Measures | Frequency / Percentage Rating | Pesticide Products Rating (Points) |
|-----------------------------|-------------------------------|------------------------------------|
| Weed killers | 0% | 0.0 Points |
| Fungal killers | 0% | 0.0 Points |
| Rodent killers | 0% | 0.0 Points |
| Insect killers | 0% | 0.0 Points |
| | Overall Rating: | 0.0 Points |

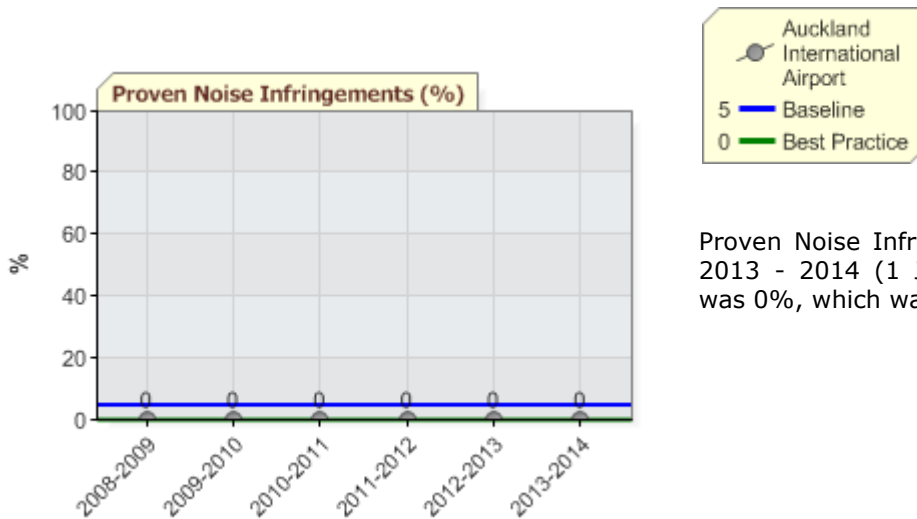
9. Sector Specific

Water Samples Passed (%) ★



Water Samples Passed (%) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 100%, which was at the Best Practice level.

Proven Noise Infringements (%) ★



Proven Noise Infringements (%) for the year 2013 - 2014 (1 July 2013 - 30 June 2014) was 0%, which was at the Best Practice level.

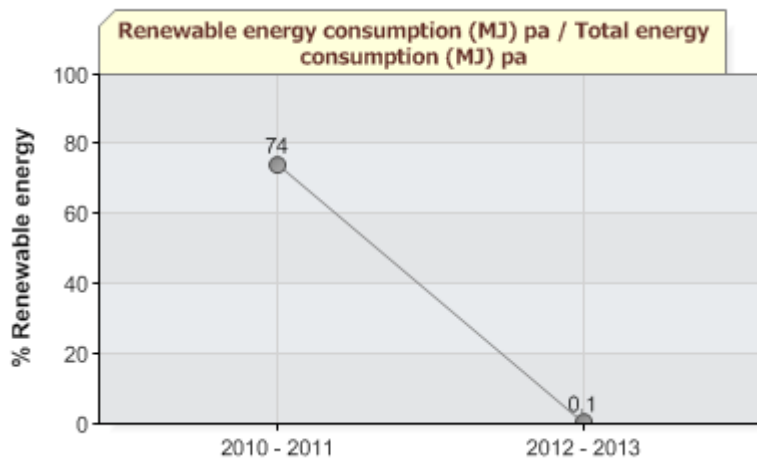
OPTIONAL BENCHMARKING INDICATORS

The **Auckland International Airport** has also nominated optional Operation Selected and Specified Indicators that they consider relevant to their specific operation and locality. The Operation Selected and Specified Indicators do not form part of the formal annual benchmarking exercise.

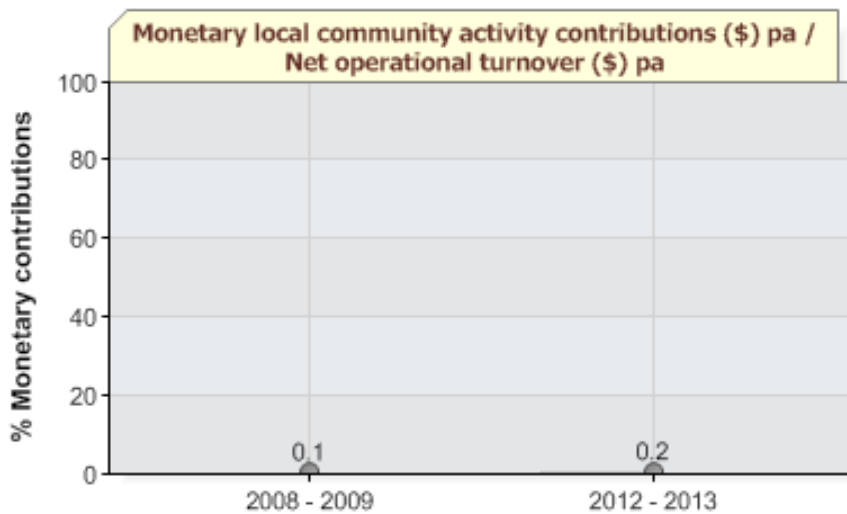
1. Selected Indicators

Selected Indicators are from a supplied list of EarthCheck indicators.

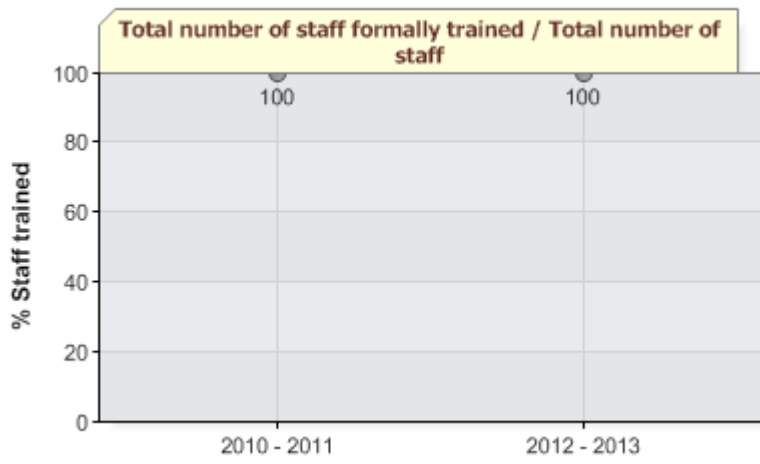
Renewable energy consumption (MJ) pa / Total energy consumption (MJ) pa



Monetary local community activity contributions (\$) pa / Net operational turnover (\$) pa



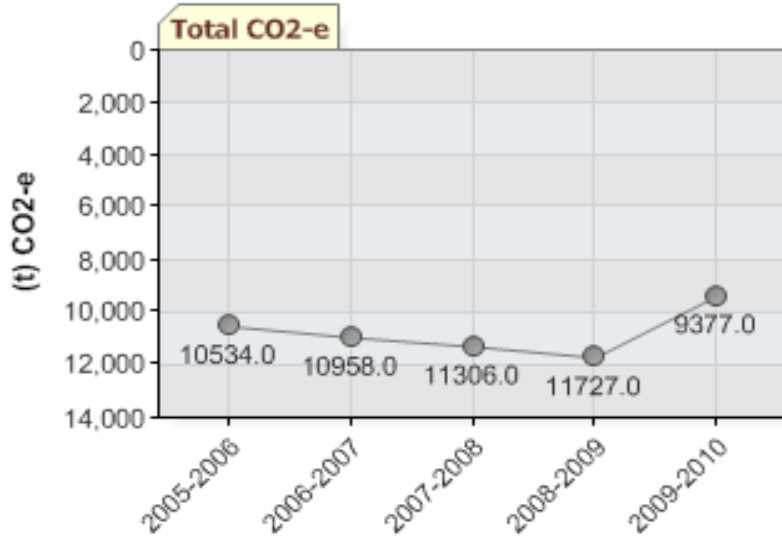
Total number of staff formally trained / Total number of staff



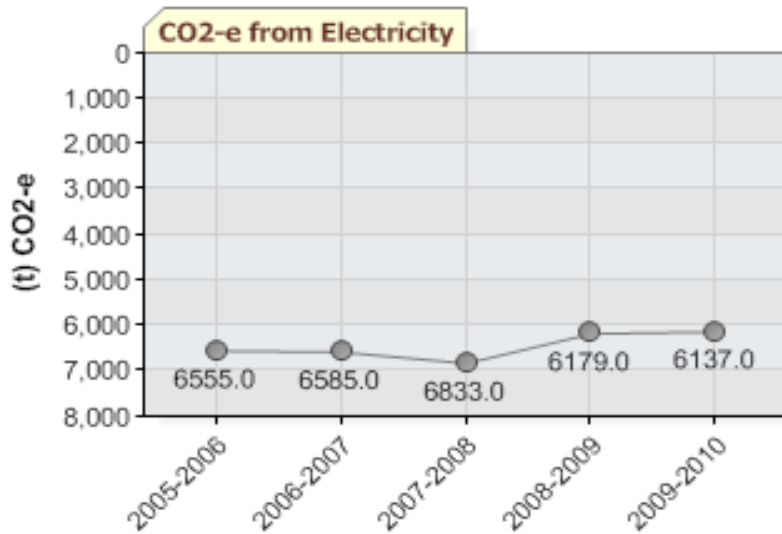
2. Specified Indicators

Specified Indicators are devised by the operator for local and/or internal performance assessment.

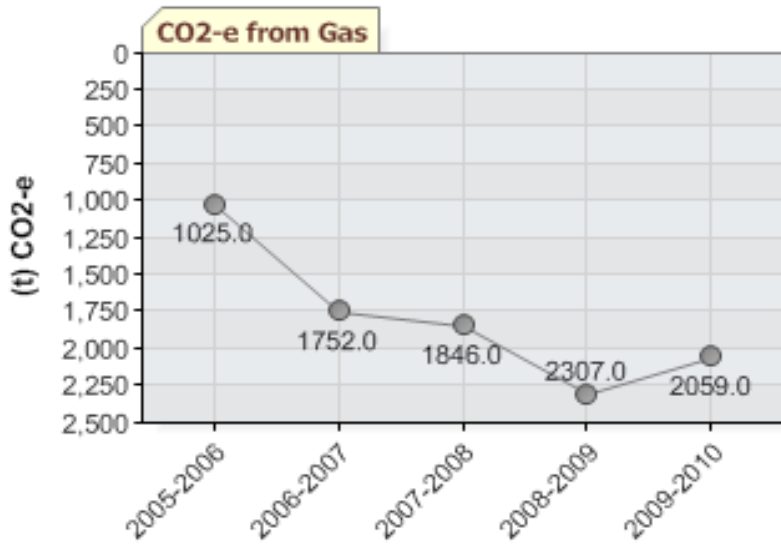
Total CO2-e



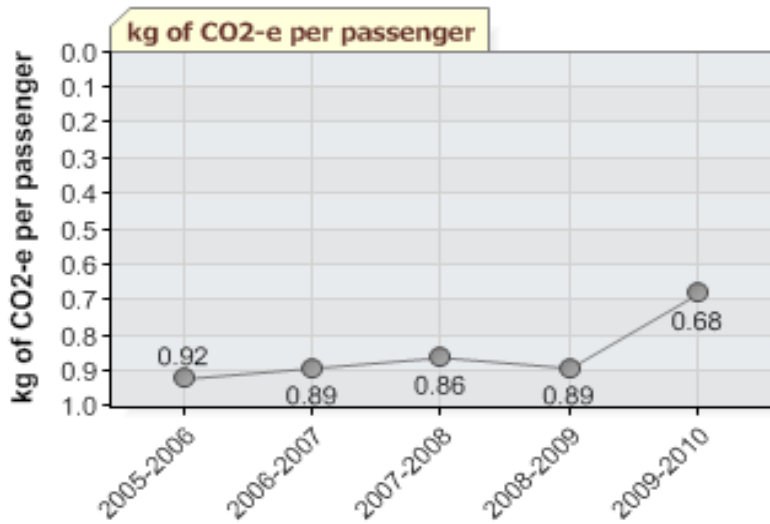
CO2-e from Electricity



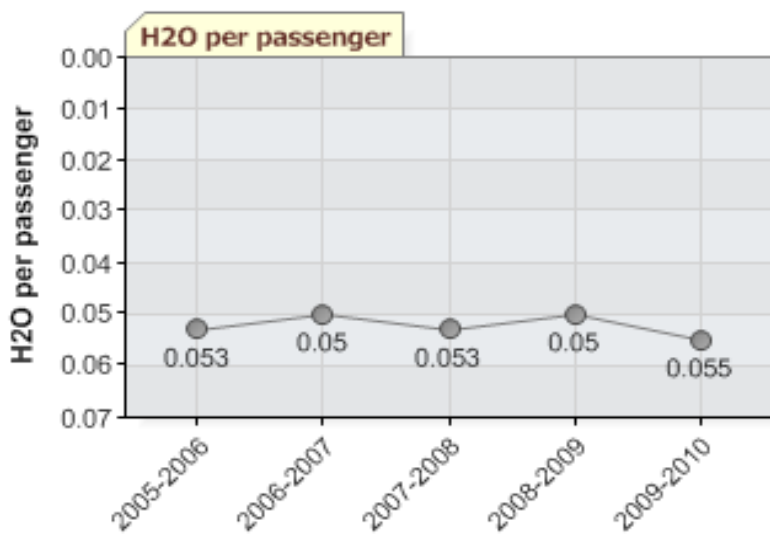
CO2-e from Gas



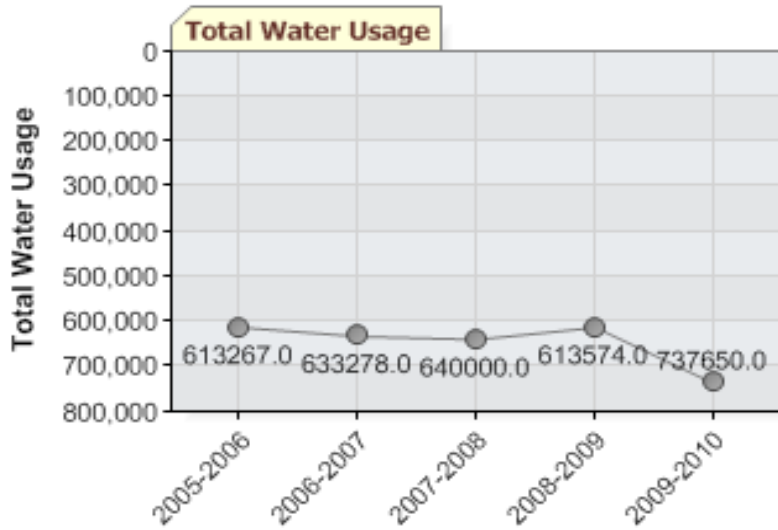
Kg of CO2-e per Passenger



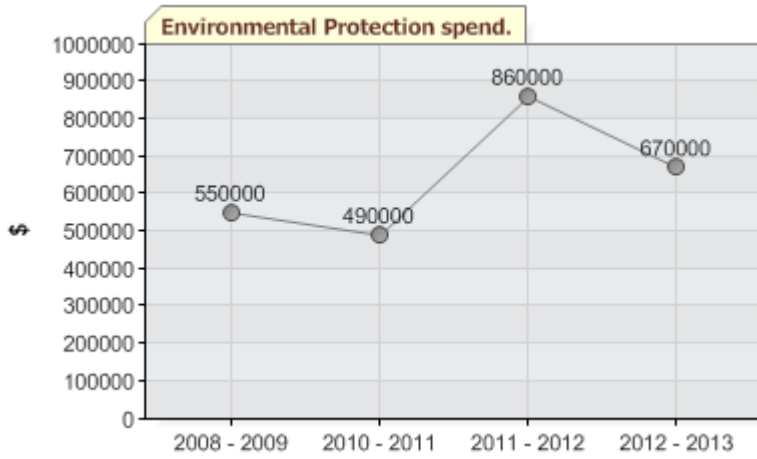
H2O per Passenger



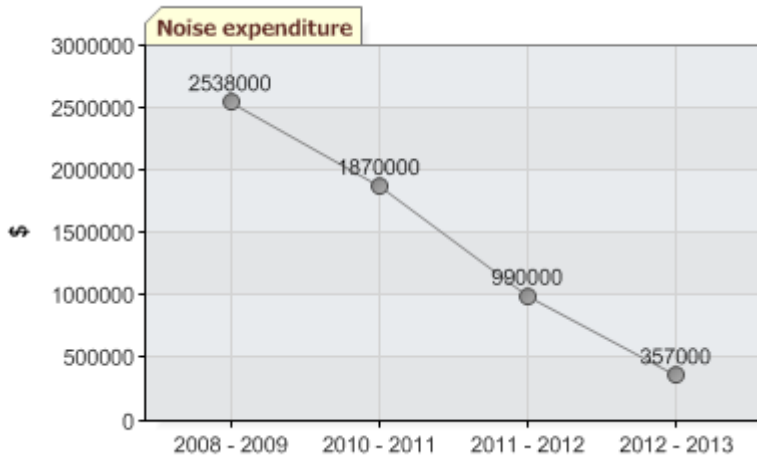
Total Water Usage



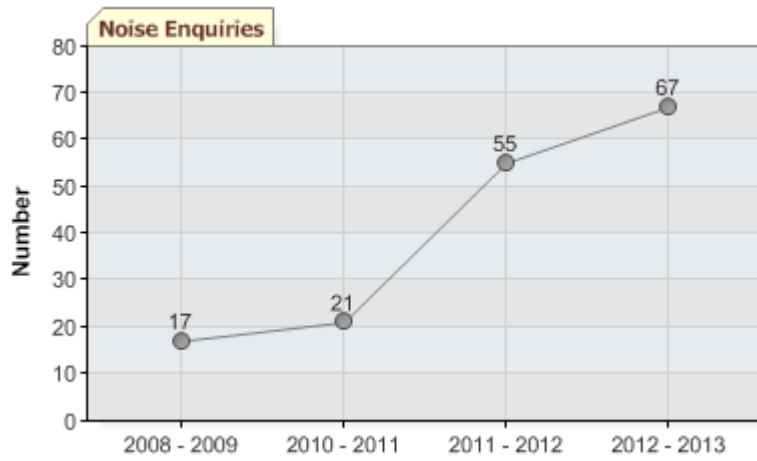
Environmental Protection spend.



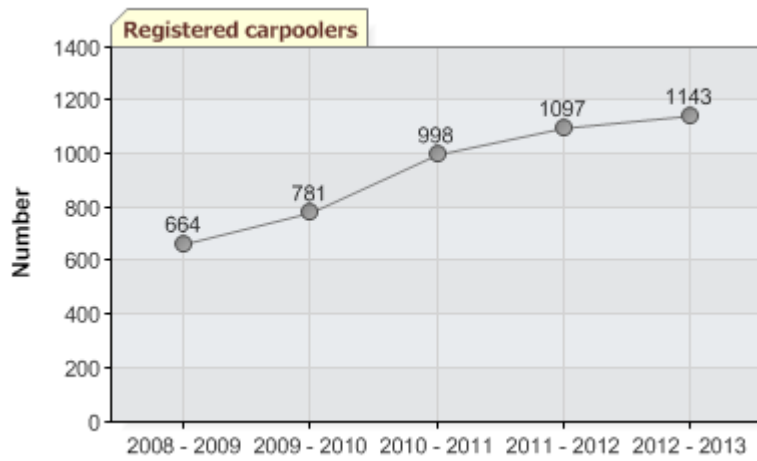
Noise expenditure



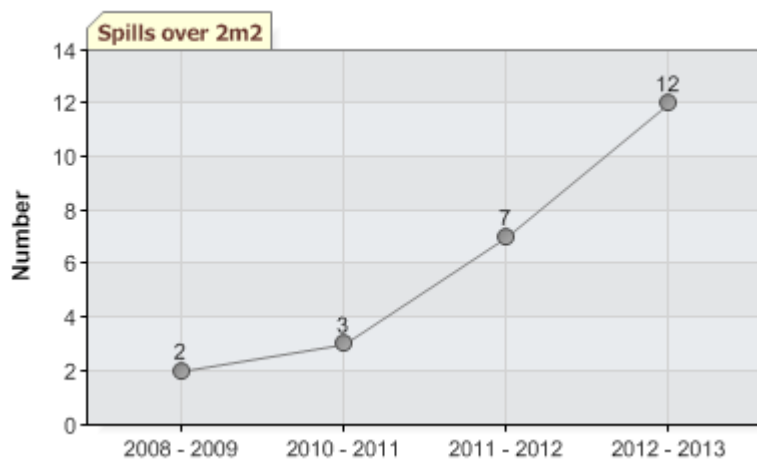
Noise Enquiries



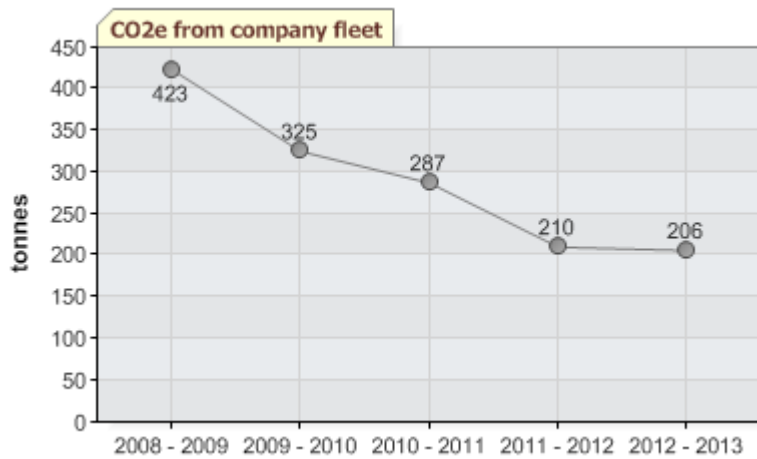
Registered carpoolers



Spills over 2m²



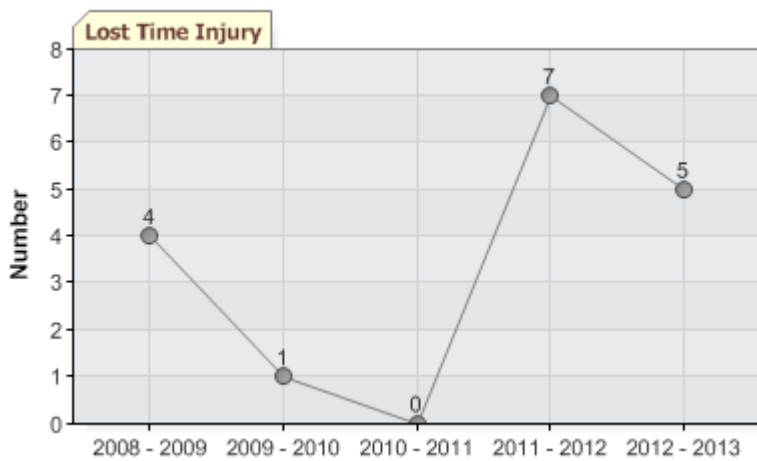
CO₂e from company fleet



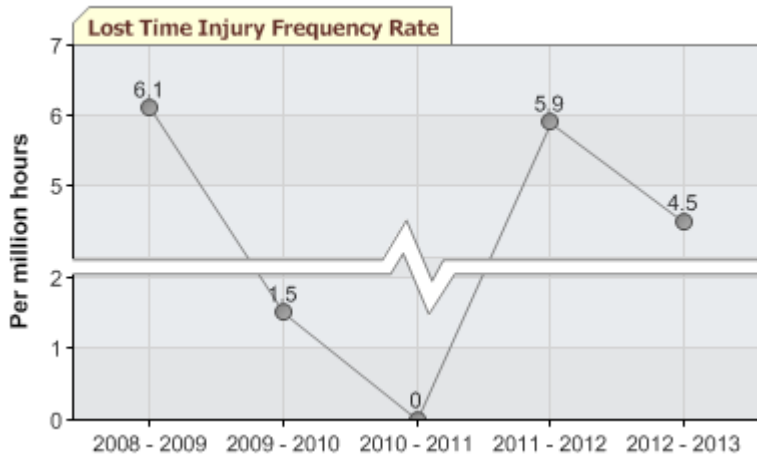
Sponsorship spend



Lost Time Injury



Lost Time Injury Frequency Rate



Total Shareholder Return



Completed and disclosed annual Carbon Disclosure Project return.

| Benchmarking Period | Completed and disclosed annual Carbon Disclosure Project return.(Yes or No) |
|---------------------|---|
| 2008-2009 | Yes |
| 2009-2010 | Yes |
| 2010-2011 | Yes |
| 2011-2012 | Yes |
| 2012-2013 | Yes |

The supplied data has been compiled by the **Auckland International Airport** in the prescribed manner, authorised by a senior executive of the company and submitted for an annual assessment.

CONCLUSION AND RECOMMENDATIONS

Congratulations, the **Auckland International Airport** has met the requirements to be recognised as an EarthCheck Benchmarked Airport.

In addition to having a Sustainability Policy in place, eleven of the assessed EarthCheck indicators are at or above the Baseline level. From the benchmarking data provided, nine indicators, *Potable Water Consumption*, *Water Savings Rating*, *Waste Sent to Landfill*, *Waste Recycling Rating*, *Community Contributions Rating*, *Paper Products Rating*, *Cleaning Products Rating*, *Water Samples Passed*, and *Proven Noise Infringements* are at or above the Best Practice level, which is an achievement to be very highly commended.

The two indicators that fell below the Baseline level were *Community Commitment* and *Pesticide Products Rating*.

The value for *Community Commitment* was 20.0% below the Baseline level. The **Auckland International Airport** is, therefore, encouraged to continue to look to local recruitment as much as possible (e.g. through operating in-house training programs) and/or increase the use of on-site or local housing for its staff. This will not only help contribute to the local economy, but also reduce the significant negative environmental impacts related to long-distance travel to and from work.

The value for *Pesticide Products Rating* was 50.0 Points below the Baseline level. The **Auckland International Airport** is encouraged, therefore, to review existing practices and procedures. This review should aim to look to increasing where practical the use of biodegradable pesticides in order to replace and phase out those that are non-biodegradable, and more likely to cause environmental harm.

The **Auckland International Airport** is encouraged to continue to make improvements in the above indicators and to ensure that any indicator below baseline is addressed in the organisation's risk assessment and long term sustainability approach.

Improvements in all the EarthCheck indicators will not only help the environment, but can also help reduce operational costs. Due to the positive commitment that the **Auckland International Airport** has demonstrated to the environment, the assessors are confident that they can maintain or improve performance, where appropriate and practical, in all indicators. In particular over the next 12 months, the **Auckland International Airport** is encouraged to ensure that *Community Commitment* and *Pesticide Products Rating* are at Baseline performance or better. In line with EarthCheck Policy this would enable the **Auckland International Airport** to continue to meet the benchmarking requirements of the EarthCheck program.

APPENDIX

ACTIVITY MEASURE

The Benchmarking Assessors sought clarification with regards to the *Activity Measure* as the initial figure of 15 062 085 *Passengers* submitted was considerably greater than expected.

The **Auckland International Airport** advised:

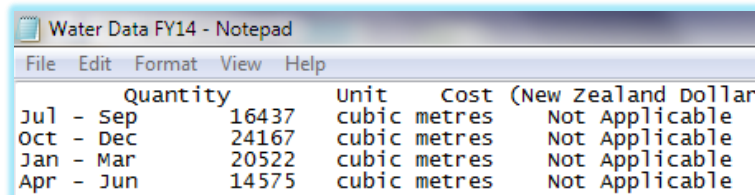
*"Apologies I have submitted the figure for whole of airport.
The correct figure for the international terminal is 8,150,406 passengers."*

The revised figure of 8 150 406 *Passengers* has been used throughout the benchmarking assessment.

POTABLE WATER CONSUMPTION

The Benchmarking Assessors requested clarification regarding the *Potable Water Consumption* as the total quantity of 75 701 m³ initially submitted less than expected.

The **Auckland International Airport** provided the following information:



| | Quantity | Unit | Cost (New Zealand Dollar) |
|-----------|----------|--------------|---------------------------|
| Jul - Sep | 16437 | cubic metres | Not Applicable |
| Oct - Dec | 24167 | cubic metres | Not Applicable |
| Jan - Mar | 20522 | cubic metres | Not Applicable |
| Apr - Jun | 14575 | cubic metres | Not Applicable |

The Benchmarking Assessors requested the monthly potable water figures in order to update accordingly in the software.

The **Auckland International Airport** advised:

*"The figures I have are quarterly so the 16437 applies to July, August and Sept.
Alternatively the quarterly totals are:*

*Q1 49,311
Q2 72,502
Q3 61,566
Q4 43,724"*

Therefore the revised figures for *Potable Water Consumption* can be found below:

| Jul-Sep 2013 | | |
|---------------------|--------------|--------------------------------|
| Quantity | Unit | Potable Water Consumption (kL) |
| 49311 | cubic metres | 49311.0 kL |
| Oct-Dec 2013 | | |
| 72502 | cubic metres | 72502.0 kL |
| Jan-Mar 2014 | | |
| 61566 | cubic metres | 61566.0 kL |
| Apr-Jun 2014 | | |
| 43724 | cubic metres | 43724.0 kL |

This equates to 27.9 L per *Passenger*.

RECYCLED / CAPTURED WATER (SUPPLEMENTARY)

The Benchmarking Assessors requested clarification with regards to the *Recycled / Captured Water* as no data was initially submitted.

The **Auckland International Airport** advised:

"Our rainwater harvesting now contributes 7.5% of potable supply."

Therefore the Benchmarking Assessors have updated the percentage for *Recycled / Captured Water* to 7.5% which is reflected in the current assessment.

WASTE SENT TO LANDFILL

The submitted value of 2 019 tonnes (2 019 000 kg) of waste (specified by the operator as compacted waste) has been converted into a volume by using the standard conversion of: 1 kg (compacted waste) = 0.00153846 m³ or 1.53846 L (i.e. 2 019 000 kg x 0.00153846 = 3 106.2 m³ or 3106153.8 L). (If the waste is uncompacted, then the standard conversion is: 1 kg = 0.00333333 m³ or 3.33333 L).

This equates to 0.4 L per *Passenger*.

OPTIONAL OPERATION SPECIFIED INDICATORS

The Benchmarking Assessors sought clarification with regards to the *Optional Operation Specified Indicators* as no data had been submitted.

The **Auckland International Airport** advised:

"We no longer wish to record operational specific indicators as our sustainability policy and associated KPIs changed in 2014."

Therefore no results had been added to the *Optional Operation Specified Indicators* for the current assessment period.

PESTICIDE PRODUCTS RATING

The Benchmarking Assessors sought clarification with regards to the *Pesticide Products Rating* as the submission comments noted that some data was absent (below).

"Apologies the pesticide data is absent - I am still chasing the contractor involved and will submit this as soon as I can."

The **Auckland International Airport** advised:

"The data has been provided and the result is 0% for all pesticide products."

Therefore the Benchmarking Assessors have updated the data for *Pesticide Products Rating* as per below:

| Pesticide Products Measures | Frequency / Percentage Rating |
|-----------------------------|-------------------------------|
| Weed killers | 0% |
| Fungal killers | 0% |
| Rodent killers | 0% |
| Insect killers | 0% |

The overall rating for the *Pesticide Products Checklist Indicator* has been revised to 0 points, as illustrated below:

Pesticide Products

- Initial Rating: 25.0 points

- **Revised Rating: 0.0 points**

The revised rating has been used throughout the benchmarking assessment.



EARTHCHECK

Benchmarks Assessed by EarthCheck

SUMMARY OF SUPPLIED BENCHMARKING DATA

Activity Measures

| | |
|------------------|---------|
| Area Under Roof | 95440 |
| Total Passengers | 8150406 |

Supplied Benchmarking Data

Energy

Energy Consumption (MJ / Square Metre)

| | |
|---------------|--------------------------------------|
| Supplied | 167301767.6 MJ |
| Calculated | 1753.0 MJ / Square Metre |
| Baseline | 2085 MJ / Square Metre |
| Best Practice | 1460 MJ / Square Metre |
| Difference | 15.9% better than the Baseline level |

Green Power (%)

| | |
|------------|----|
| Supplied | 0% |
| Calculated | 0% |

Greenhouse Gas Emissions (Scope 1 and Scope 2) (kg CO₂-e / Square Metre)

| | |
|---------------|---|
| Supplied | 7547295.7 kg CO ₂ -e |
| Calculated | 79.1 kg CO ₂ -e / Square Metre |
| Baseline | 113 kg CO ₂ -e / Square Metre |
| Best Practice | 79 kg CO ₂ -e / Square Metre |
| Difference | 30.0% better than the Baseline level |

Direct Emissions (Scope 1) (kg CO₂-e / Square Metre)

| | |
|------------|---|
| Supplied | 2185640.8 kg CO ₂ -e |
| Calculated | 22.9 kg CO ₂ -e / Square Metre |

Indirect Emissions (Scope 2) (kg CO₂-e / Square Metre)

| | |
|------------|---|
| Supplied | 5361654.9 kg CO ₂ -e |
| Calculated | 56.2 kg CO ₂ -e / Square Metre |

Indirect Emissions (Scope 3) (kg CO₂-e / Passenger)

| | |
|------------|---------------------------------------|
| Supplied | 2953817.2 kg CO ₂ -e |
| Calculated | 0.4 kg CO ₂ -e / Passenger |

Transport Indirect Emissions (Scope 3) (kg CO₂-e / Square Metre)

| | |
|------------|--|
| Supplied | 0.0 kg CO ₂ -e |
| Calculated | 0.0 kg CO ₂ -e / Square Metre |

Waste Indirect Emissions (Scope 3) (kg CO₂-e / Passenger)

| | |
|------------|---------------------------------------|
| Supplied | 2953817.2 kg CO ₂ -e |
| Calculated | 0.4 kg CO ₂ -e / Passenger |

Water

Potable Water Consumption (L / Passenger)

| | |
|---------------|--|
| Supplied | 227103000.0 L |
| Calculated | 27.9 L / Passenger |
| Baseline | 39.8 L / Passenger |
| Best Practice | 29.4 L / Passenger |
| Difference | 5.1% better than the Best Practice level |

Recycled / Captured Water (%)

| | |
|------------|------|
| Supplied | 7.5% |
| Calculated | 7.5% |

Water Savings Rating (Points)

| | |
|---------------|---|
| Supplied | 93.4 Points |
| Calculated | 93.4 Points |
| Baseline | 50 Points |
| Best Practice | 80 Points |
| Difference | 13.4 Points better than the Best Practice level |

Waste

Waste Sent to Landfill (L / Passenger)

| | |
|---------------|---|
| Supplied | 3106153.8 L |
| Calculated | 0.4 L / Passenger |
| Baseline | 2 L / Passenger |
| Best Practice | 1.4 L / Passenger |
| Difference | 71.4% better than the Best Practice level |

Recycled / Reused / Composted Waste (%)

| | |
|------------|-------|
| Supplied | 22.0% |
| Calculated | 22.0% |

Waste Recycling Rating (Points)

| | |
|----------|-------------|
| Supplied | 80.6 Points |
|----------|-------------|

| | |
|---------------|--|
| Calculated | 80.6 Points |
| Baseline | 50 Points |
| Best Practice | 80 Points |
| Difference | 0.6 Points better than the Best Practice level |

Community

Community Commitment (%)

| | |
|---------------|--------------------------------|
| Supplied | 40.0% |
| Calculated | 40.0% |
| Baseline | 60 % |
| Best Practice | 100 % |
| Difference | 20.0% below the Baseline level |

Community Contributions Rating (Points)

| | |
|---------------|--|
| Supplied | 84.7 Points |
| Calculated | 84.7 Points |
| Baseline | 50 Points |
| Best Practice | 80 Points |
| Difference | 4.7 Points better than the Best Practice level |

Paper

Paper Products Rating (Points)

| | |
|---------------|---|
| Supplied | 100.0 Points |
| Calculated | 100.0 Points |
| Baseline | 50 Points |
| Best Practice | 80 Points |
| Difference | 20.0 Points better than the Best Practice level |

Cleaning

Cleaning Products Rating (Points)

| | |
|---------------|--|
| Supplied | 82.5 Points |
| Calculated | 82.5 Points |
| Baseline | 50 Points |
| Best Practice | 80 Points |
| Difference | 2.5 Points better than the Best Practice level |

Pesticides

Pesticide Products Rating (Points)

| | |
|---------------|--------------------------------------|
| Supplied | 0.0 Points |
| Calculated | 0.0 Points |
| Baseline | 50 Points |
| Best Practice | 80 Points |
| Difference | 50.0 Points below the Baseline level |

Sector Specific

Water Samples Passed (%)

| | |
|----------|------|
| Supplied | 100% |
|----------|------|

| | |
|---------------|----------------------------|
| Calculated | 100% |
| Baseline | 80 % |
| Best Practice | 100 % |
| Difference | at the Best Practice level |

Proven Noise Infringements (%)

| | |
|---------------|----------------------------|
| Supplied | 0% |
| Calculated | 0% |
| Baseline | 5 % |
| Best Practice | 0 % |
| Difference | at the Best Practice level |

DETERMINATION OF BASELINE AND BEST PRACTICE LEVELS

General

The values for the Baseline and Best Practice levels for each indicator are derived from extensive worldwide research into available and appropriate case studies, industry surveys, engineering design handbooks, energy, water and waste audits, and climatic and geographic conditions.

National and regional data for per capita energy use, greenhouse gas and other emissions, wastes to landfill and water consumption, where available provide background data for normalisation of the expected performance values for per customer or employee, and/or overall performance of an enterprise being benchmarked. They are used to gauge the regional or national situation and environmental performances that an enterprise is based in, and hence what are reasonable levels to expect the enterprise to achieve.

A benchmarking result at, or above, the Baseline level demonstrates to all stakeholders that the enterprise is achieving above average performance. A result below the Baseline level indicates that an enterprise can and should carry out actions that will make beneficial improvements in performance.

Consideration of Climate

A major determinant of energy consumption in some sectors, primarily those centred on buildings such as accommodation, visitor centres and administration offices will be the dominant climatic conditions in which the enterprise is located. In general, to maintain the same level of indoor comfort, enterprises operating in hot or cold climates will consume more energy than those in temperate climates.

Similarly, it is recognised that in certain sectors a major determinant of potable water consumption will be the climate in which an enterprise is located, in particular those with large grounds and/or significant water-based facilities or activities. That is, enterprises located in hot climates are more likely to consume more potable water than equivalent ones located in cooler climates. Factors that are likely to lead to a higher level of potable water consumption, for example in the accommodation sector, include increased evaporation rates of swimming pools, personal bathing and irrigation demands of grounds. In consideration of this factor, Baseline and Best Practice levels can vary in relation to country location.

Waste Sent to Landfill

The benchmark indicator used for Waste Sent to Landfill is given in litres as waste bins are usually calibrated by volume, and it has been found that the majority of operations do not have access to the weight of material disposed of. However, if a weight is supplied, standard factors are used to convert from weight (e.g., kilograms (kg)) to volume (e.g., cubic metres (m³) or litres (L)). These are: 1 kg (uncompacted waste) = 0.00333333 m³ or 3.33333 L and 1 kg (compacted waste) = 0.00153846 m³ or 1.53846 L.

Operations should make note of the level of compaction when submitting data for assessment by EarthCheck.

Review of Performance Levels

The Baseline and Best Practice performance levels for EarthCheck indicators are continuously reviewed and are likely to change over time. This review by a team of international experts, takes into account "business-as-usual" changes in practices, equipment and facilities, as well as regulations and general improvement trends in performance and procedures. This review is used to update the levels of Baseline and Best Practice, and provides useful feedback to the user of the indicators.

The list below summarises the basic generic rules used to determine Baseline and Best Practice levels for EarthCheck indicators.

- If relevant enterprise sector specific case studies are not available for a type of activity in a designated region, then national averages will be used to ascertain the Baseline level. In this case, the Best Practice level will be set at a minimum of 30% better performance than the Baseline.
- If case study or national data are not available for a specific indicator, then the first enterprise that benchmarks will have its results set as 15% better than Baseline (i.e., half way between Baseline and Best Practice).