



EARTHCHECK

BENCHMARKING ASSESSMENT REPORT

DESTINATION BENCHMARKING

DESTINATION JÄRVSÖ
GÄVLE, SWEDEN



REPORT DATE: 20 October 2023

Benchmarking Data Collection Period: 1 January 2021 – 31 December 2021

The planet deserves more than half measures

OVERVIEW

This annual assessment of **Destination Järvsö** 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 (GJ / Person Year) Green Power (Purchased Electricity) (%) ³ Greenhouse Gas Emissions (Scope 1 and Scope 2) (t CO ₂ -e / Person Year) Greenhouse Gas Emissions Breakdown by Scope (t CO ₂ -e / Person Year) Indirect Emissions (Scope 3) (t CO ₂ -e / Person Year) Greenhouse Gas Emissions Scope 3 Breakdown (t CO ₂ -e / Person Year)
3	Water Potable Water Consumption (kL / Person Year) Recycled / Captured Water (%) ³
4	Waste Waste Sent to Landfill (m ³ / Person Year) Recycled / Reused / Composted Waste (%) ³ Waste Sent for Incineration (m ³ / Person Year) ³
5	Sector Specific Nitrous Oxides Produced (kg / Person Year / Hectare) Sulphur Dioxide Produced (kg / Person Year / Hectare) Particulate Matter Produced (kg / Person Year / Hectare) Water Samples Passed (%) Habitat Conservation Area (%) Green Space (%) Significant Site Maintenance Fund (%) Destination Safety – Homicide Rate (%) Destination Safety – Theft Rate (%) Destination Safety – Assault Rate (%) Socio-Economic Benefit – Unemployment Rate (%) Accredited Operations (%)
Lead Agency Performance	
6	Water Savings Water Savings Rating (Points)
7	Waste Recycling Waste Recycling Rating (Points)
8	Paper Paper Products Rating (Points)
9	Cleaning Cleaning Products Rating (Points)

10	Pesticides	Pesticide Products Rating (Points)
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Optional Benchmarking Indicators

11	Selected Indicators	Carbon Sequestration (%) Renewable Energy (%)
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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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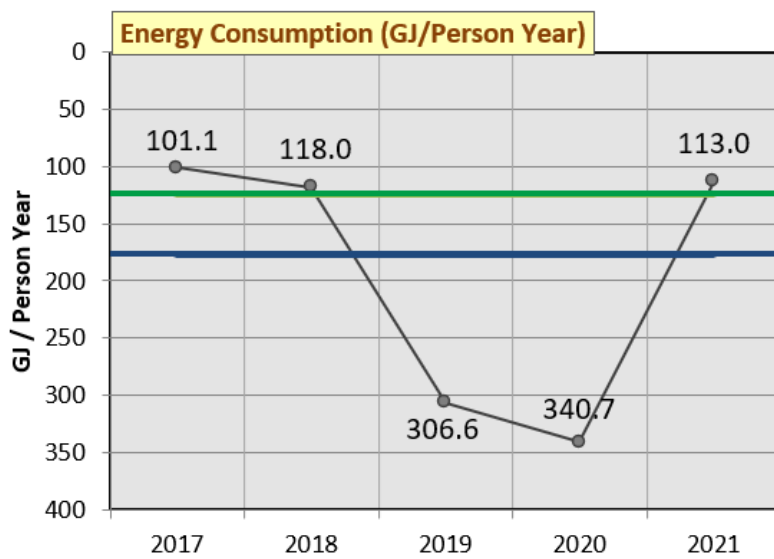
DESTINATION PERFORMANCE BENCHMARKS

Current performance: Below Baseline * At or above Baseline ✓ At or above Best Practice ★

1. Policy ★

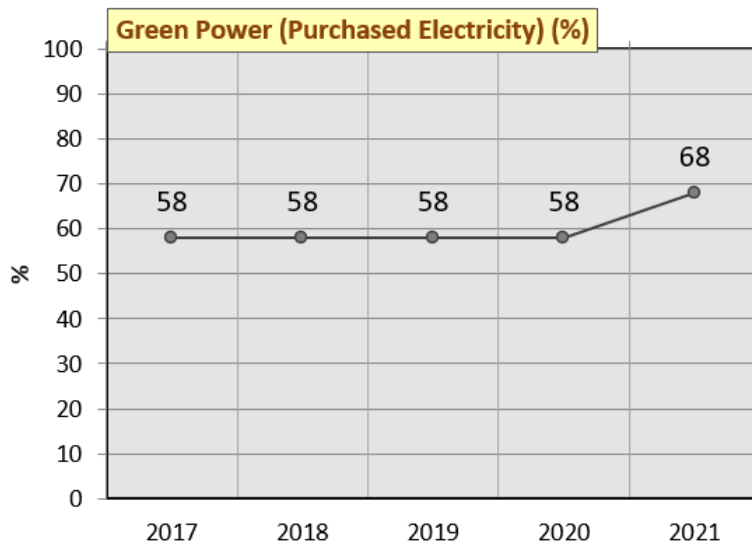
2. Energy

Energy Consumption (GJ / Person Year) ★



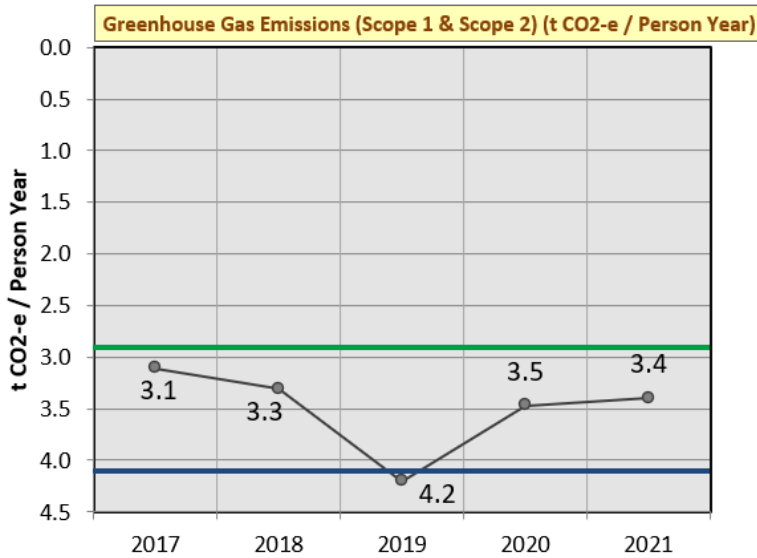
Energy Consumption (GJ / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 113 GJ / Person Year, which was 8.5% better than the Best Practice level.

Green Power (Purchased Electricity) (%)



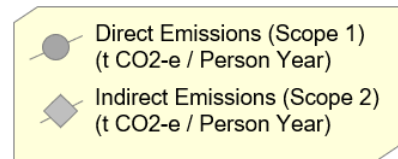
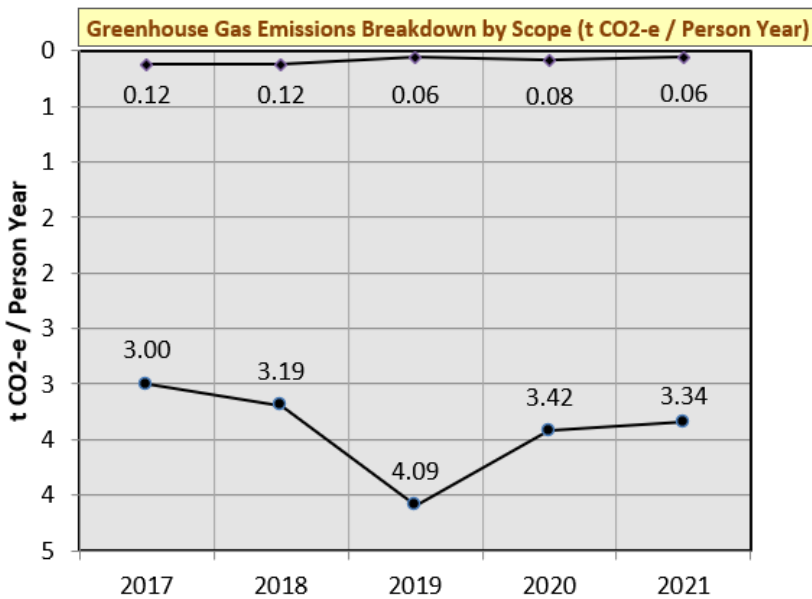
Green Power (Purchased Electricity) (%) for the year 2021 (1 January 2021 - 31 December 2021) was 68.0%.

Greenhouse Gas Emissions (Scope 1 and Scope 2) (t CO₂-e / Person Year) ✓



Greenhouse Gas Emissions (Scope 1 and Scope 2) (t CO₂-e / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 3.4 t CO₂-e / Person Year, which was 17.1% better than the Baseline level.

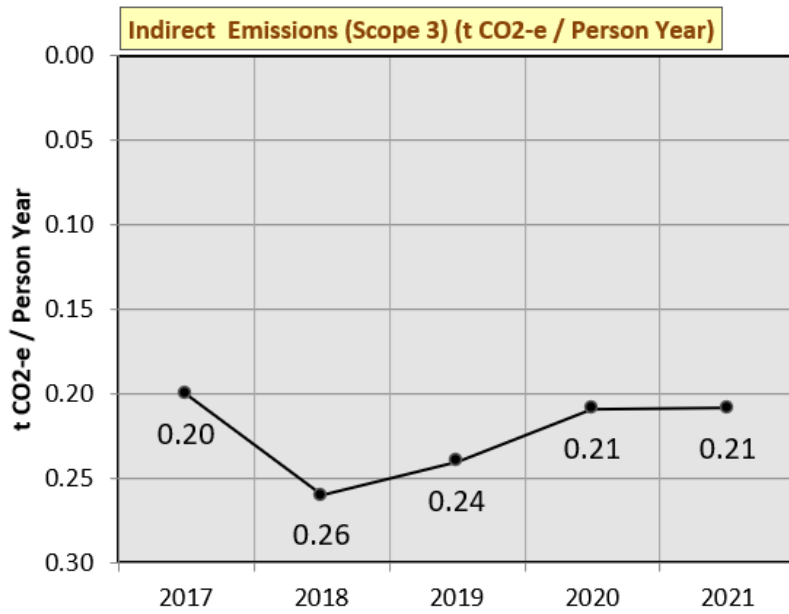
Greenhouse Gas Emissions Breakdown by Scope (t CO₂-e / Person Year)



Direct Emissions (Scope 1) (t CO₂-e / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 3.34 t CO₂-e / Person Year.

Indirect Emissions (Scope 2) (t CO₂-e / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 0.06 t CO₂-e / Person Year.

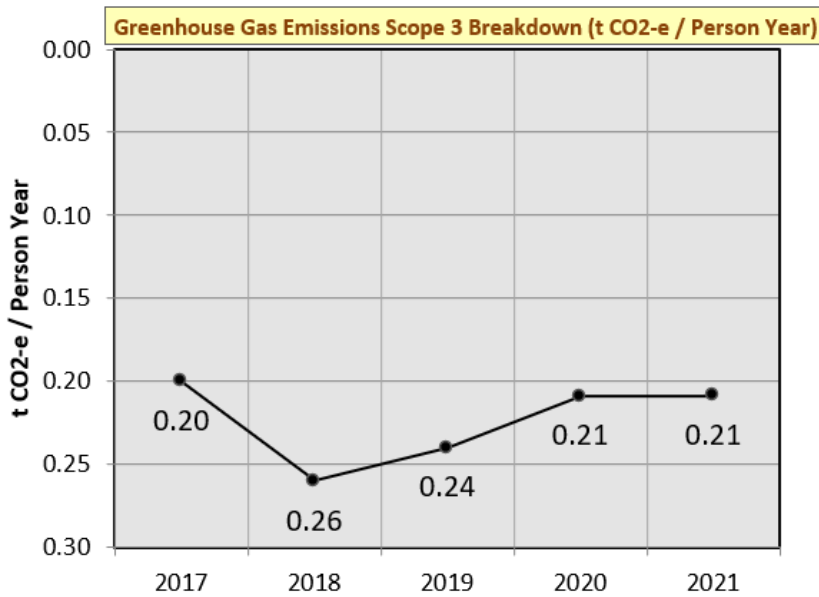
Indirect Emissions (Scope 3) (t CO₂-e / Person Year)



Destination Järvsö

Indirect Emissions (Scope 3) (t CO₂-e / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 0.21 t CO₂-e / Person Year.

Greenhouse Gas Emissions Scope 3 Breakdown (t CO₂-e / Person Year)



Waste Indirect Emissions (Scope 3) (t CO₂-e / Person Year)

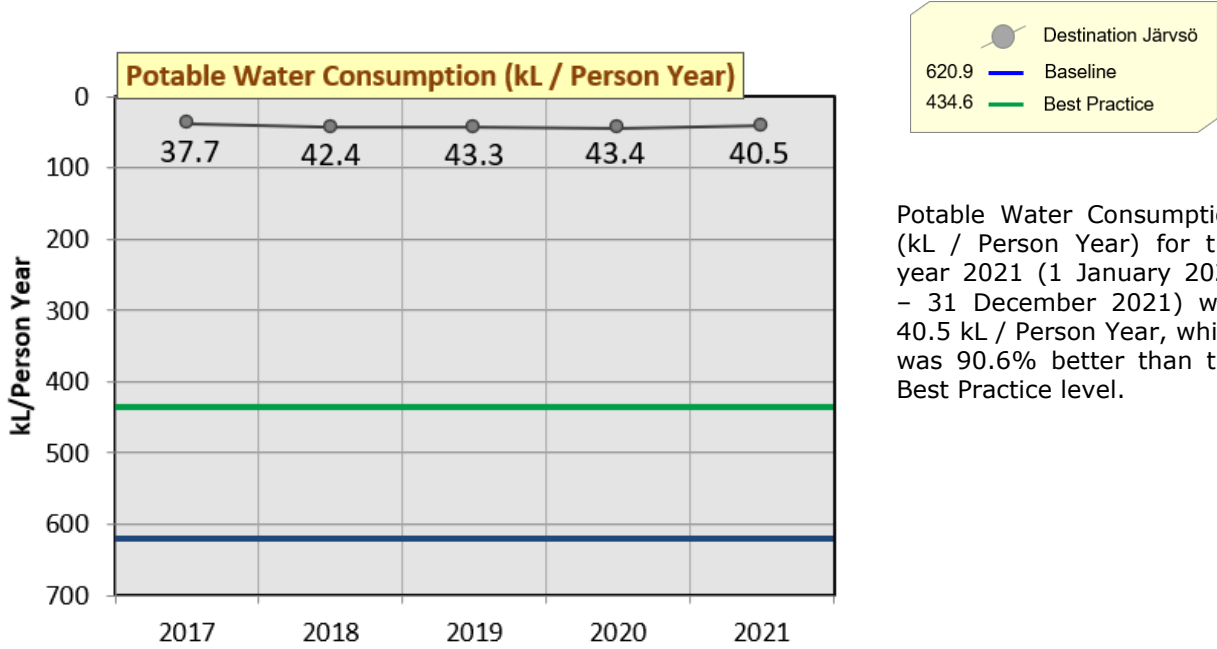
Waste Indirect Emissions (Scope 3) (t CO₂-e / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 0.21 t CO₂-e / Person Year.

Direct Emissions (Scope 1)							
Stationary Fuel Combustion							
2021							
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)
Motor gasoline	3,775,130	kWh	13,590,468.0	894.7	3.6	2.1	809.7
Biodiesel	497,498	kWh	1,790,992.8	0.0	0.5	0.3	0.7
Solid biomass	24,326,693	kWh	87,576,094.8	0.0	698.9	88.2	787.0
Natural gas	31,108	kWh	111,988.8	5.7	0.01	0.003	5.7
subtotal			103,069,544.4	900.4	703.0	90.5	1,603.2
Mobile Fuel Combustion (road)							
2021							
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	4,113	cubic metres (m ³)	157,846,657.5	11,111.6	16.4	155.0	11,283.0
Motor gasoline	1,677	cubic metres (m ³)	57,350,884.5	3,775.7	38.1	115.5	3,929.3
Biodiesel	9,520,203	kWh	34,272,730.8	0.0	9.1	5.2	14.3
subtotal			249,470,272.8	14,887.3	63.6	275.7	15,226.6
Onsite Wastewater Treatment							
2021							
Type	Average BOD (mg/L)	Wastewater Volume (kL/day)	Number of days in use	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)
Aerobic (BOD Known)	2.3	753.33	365	0.0	1.2	0.0	1.2
Aerobic (BOD Known)	4.3	4.24	365	0.0	0.01	0.0	0.01
Aerobic (BOD Known)	15.1	9.27	365	0.0	0.10	0.0	0.10
Aerobic (BOD Known)	26.4	11.91	365	0.0	0.2	0.0	0.2
subtotal				0.0	1.5	0.0	1.5
Onsite Renewable Energy Generation							
2021							
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)
Solar	128,856	kWh	463,881.6	0.0	0.0	0.0	0.0
subtotal			463,881.6	0.0	0.0	0.0	0.0
TOTAL (Scope 1)			353,003,698.8	15,787.7	768.1	366.2	16,831.3
Indirect Emissions (Scope 2)							
Purchased Electricity							
2021							
Quantity	Unit	% Green Power	Provider	Energy Consumption (MJ)	CO ₂ Emission Estimate (t CO ₂ -e)	CH ₄ Emission Estimate (t CO ₂ -e)	Total Emission Estimate (t CO ₂ -e)
49,011,244	Kilowatt hour (kWh)	68	Sweden	176,440,478.4	266.6	0.4	268.9
subtotal				176,440,478.4	266.6	0.4	268.9

District Heating and Cooling								
2021								
Quantity	Unit	% Green Power	Type	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)
11,100,000	Kilowatt hour (kWh)	99	District Heating	39,960,000.0	20.7	0.1	0.1	20.8
subtotal				39,960,000.0	20.7	0.1	0.1	20.8
TOTAL (Scope 2)				216,400,478.4	287.3	0.5	2.0	289.7
Greenhouse Gas Emissions (Scope 1 and Scope 2)								
GRAND TOTAL				569,404,177.2	16,075.0	768.6	368.2	17,121.0
Indirect Emissions (Scope 3)								
Waste Sent to Landfill								
2021								
Quantity	Unit	Type of Landfill	Type of Waste	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)
199,563	kilograms (uncompacted)	Covered and/or managed waste treatment facility	Unknown (mixed waste types)	International	0.0	239.5	0.0	239.5
subtotal					0.0	239.5	0.0	239.5
Waste Sent for Incineration								
2021								
Quantity	Unit	Type of Incineration Technology	Type of Waste	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)
3,380,540	kilograms (uncompacted)	Continuous Incineration - Fluidised Bed	Textiles	International	811.3	0.0	0.2	811.5
subtotal					811.3	0.0	0.2	811.5
TOTAL (Scope 3)					811.3	239.5	0.2	1,051.0

3. Water

Potable Water Consumption (kL / Person Year) ★

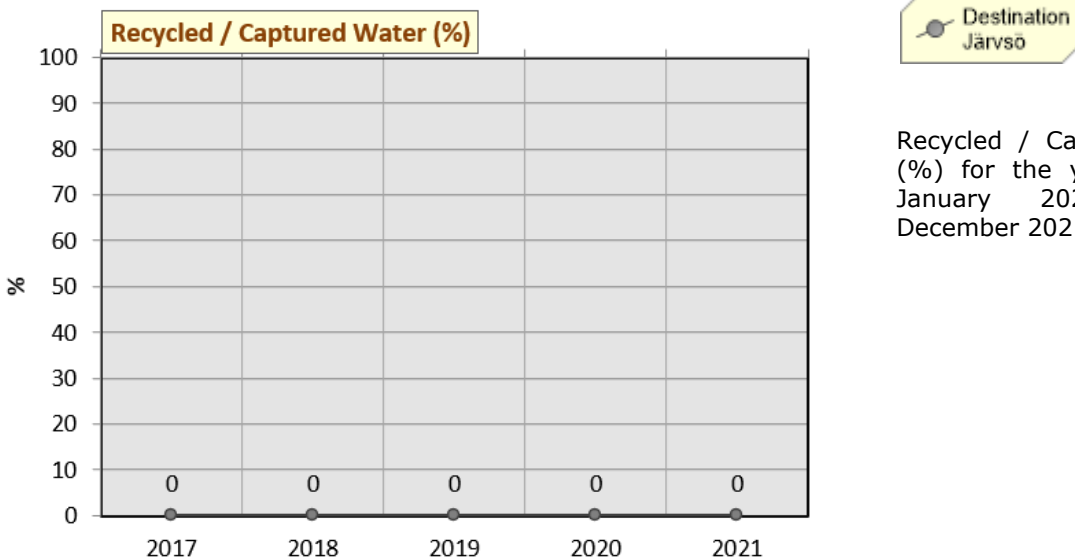


Potable Water Consumption (kL / Person Year) for the year 2021 (1 January 2021 – 31 December 2021) was 40.5 kL / Person Year, which was 90.6% better than the Best Practice level.

2021

Quantity	Unit	Potable Water Consumption (kL)
203,843	cubic metres	203,843.0 kL
	TOTAL	203,843.0 kL

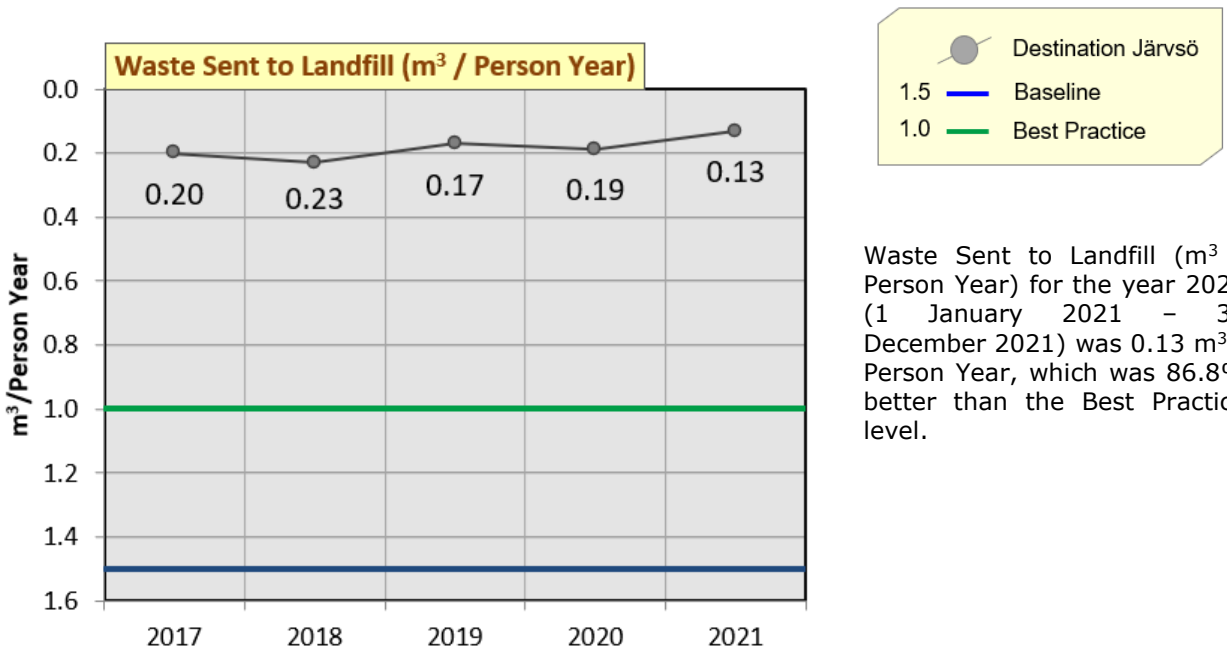
Recycled / Captured Water (%)



Recycled / Captured Water (%) for the year 2021 (1 January 2021 – 31 December 2021) was 0%.

4. Waste

Waste Sent to Landfill (m³ / Person Year) ★

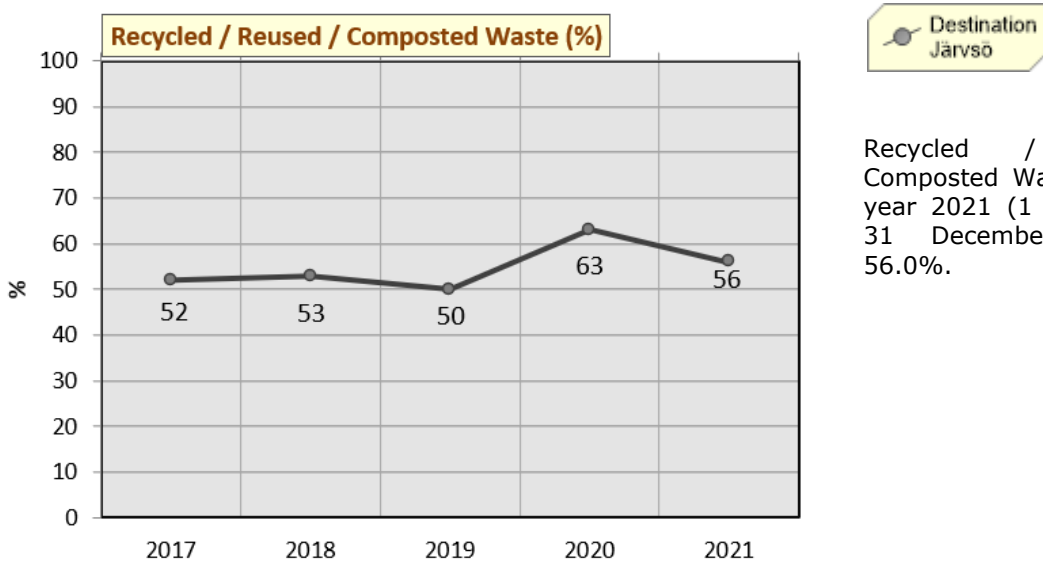


Waste Sent to Landfill (m³ / Person Year) for the year 2021 (1 January 2021 – 31 December 2021) was 0.13 m³ / Person Year, which was 86.8% better than the Best Practice level.

2021

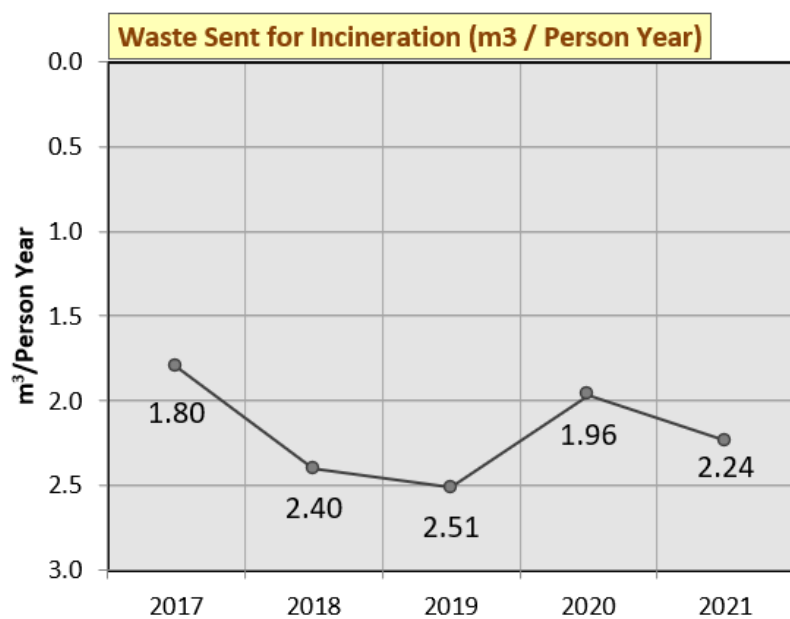
Quantity	Unit	Type of Landfill	Type of Waste	Type of Operation	Waste Sent to Landfill (m ³)
199,563	kilograms (uncompacted)	Covered and/or managed waste treatment facility	Unknown (mixed waste types)	Other Operation	665.21 m ³
				TOTAL	665.21 m³

Recycled / Reused / Composted Waste (%)



Recycled / Reused / Composted Waste (%) for the year 2021 (1 January 2021 – 31 December 2021) was 56.0%.

Waste Sent for Incineration (m³ / Person Year)



Destination
Järvso

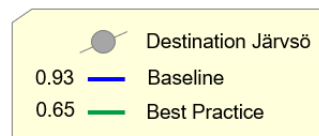
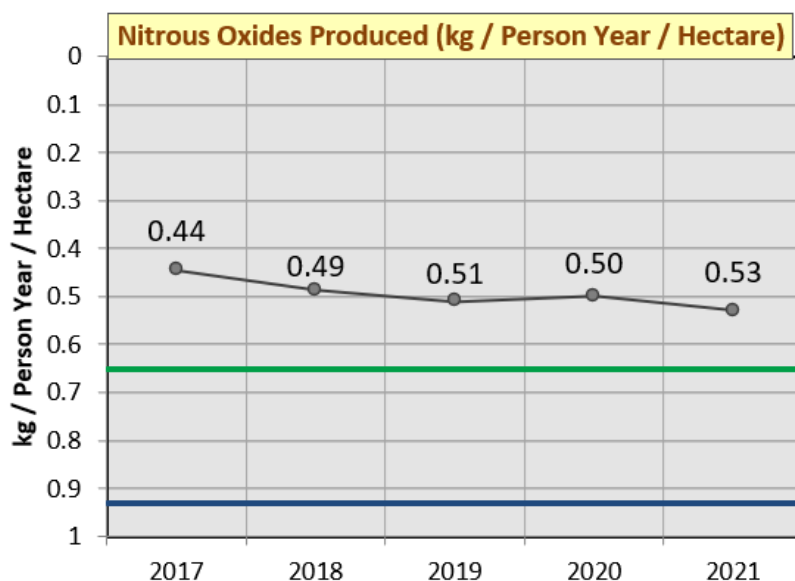
Waste Sent for Incineration (m³ / Person Year) for the year 2021 (1 January 2021 - 31 December 2021) was 2.2 m³ / Person Year.

2021

Quantity	Unit	Type of Incineration Technology	Type of Waste	Waste Sent for Incineration (m ³)
3,380,540	kilograms (uncompacted)	Continuous Incineration - Fluidised Bed	Textiles	11,268.5 m ³
			TOTAL	11,268.5 m³

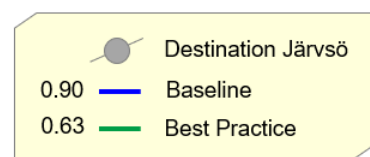
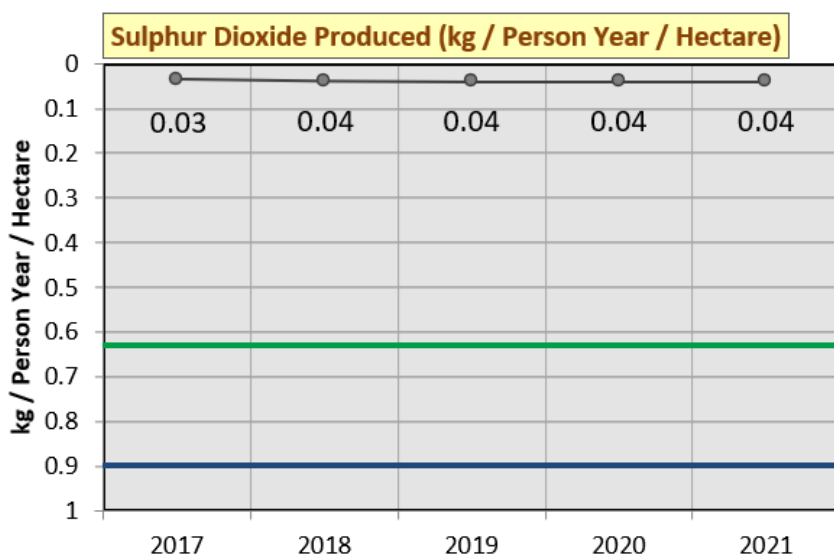
5. Sector Specific

Nitrous Oxides Produced (kg / Person Year / Hectare) ★



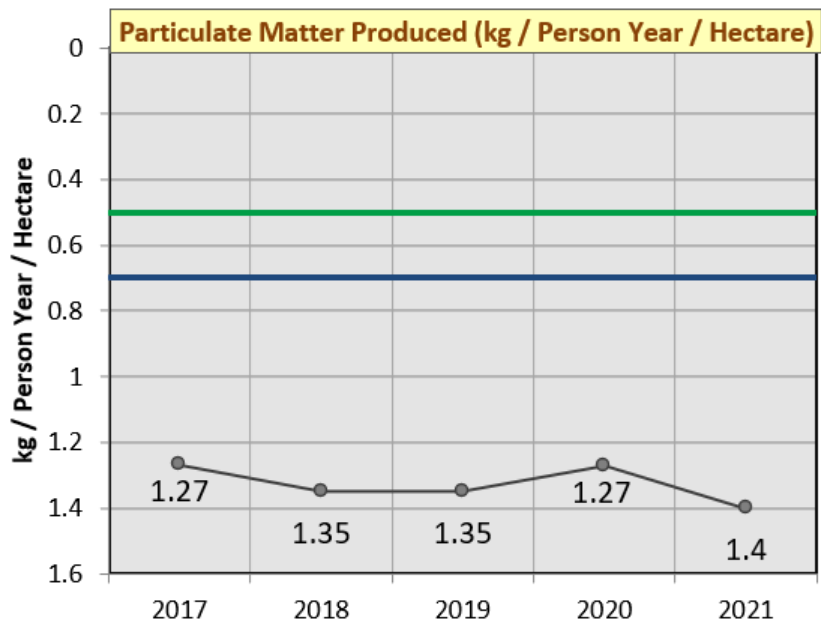
Nitrous Oxides Produced (kg / Person Year / Hectare) for the year 2021 (1 January 2021 – 31 December 2021) was 0.53 kg / Person Year / Hectare, which was 18.5% better than the Best Practice level.

Sulphur Dioxide Produced (kg / Person Year / Hectare) ★



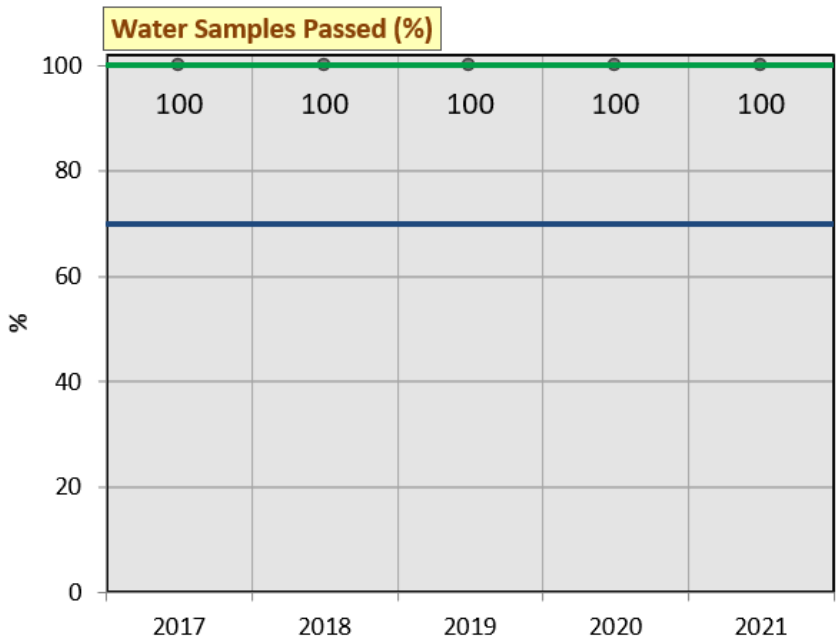
Sulphur Dioxide Produced (kg / Person Year / Hectare) for the year 2021 (1 January 2021 – 31 December 2021) was 0.04 kg / Person Year / Hectare, which was 93.7% better than the Best Practice level.

Particulate Matter Produced (kg / Person Year / Hectare) ✕



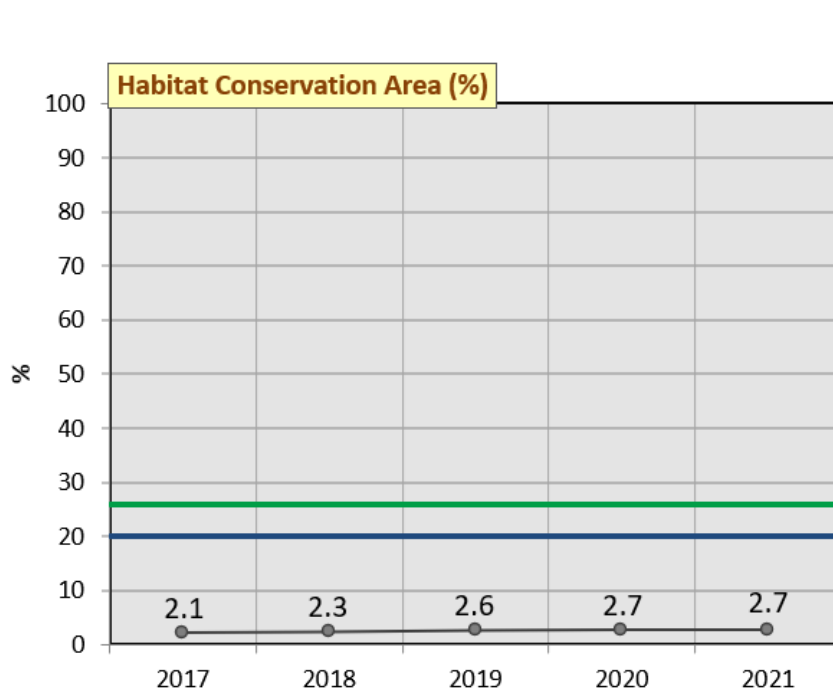
Particulate Matter Produced (kg / Person Year / Hectare) for the year 2021 (1 January 2021 – 31 December 2021) was 1.4 kg / Person Year / Hectare, which was 100% worse than the Baseline level.

Water Samples Passed (%) ★



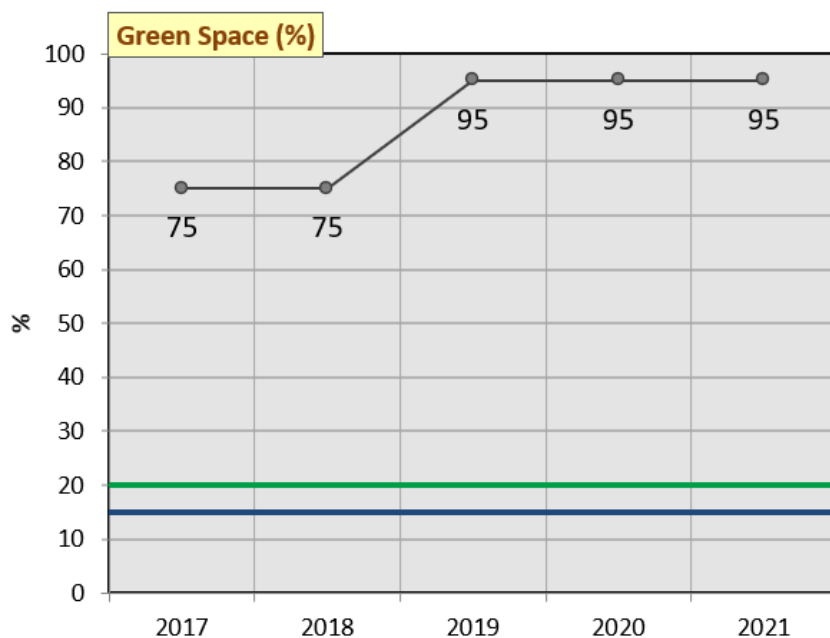
Water Samples Passed (%) for the year 2021 (1 January 2021 – 31 December 2021) was 100%, which was at the Best Practice level.

Habitat Conservation Area (%) ✕



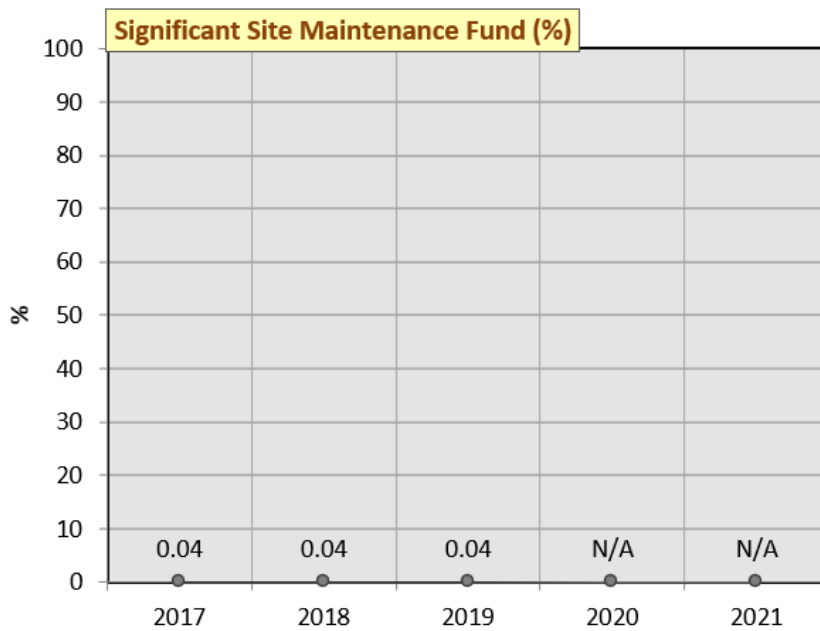
Habitat Conservation Area (%) for the year 2021 (1 January 2021 – 31 December 2021) was 2.7%, which was 17.3% below the Baseline level.

Green Space (%) ★



Green Space (%) for the year 2021 (1 January 2021 – 31 December 2021) was 95.0%, which was 75.0% better than the Best Practice level.

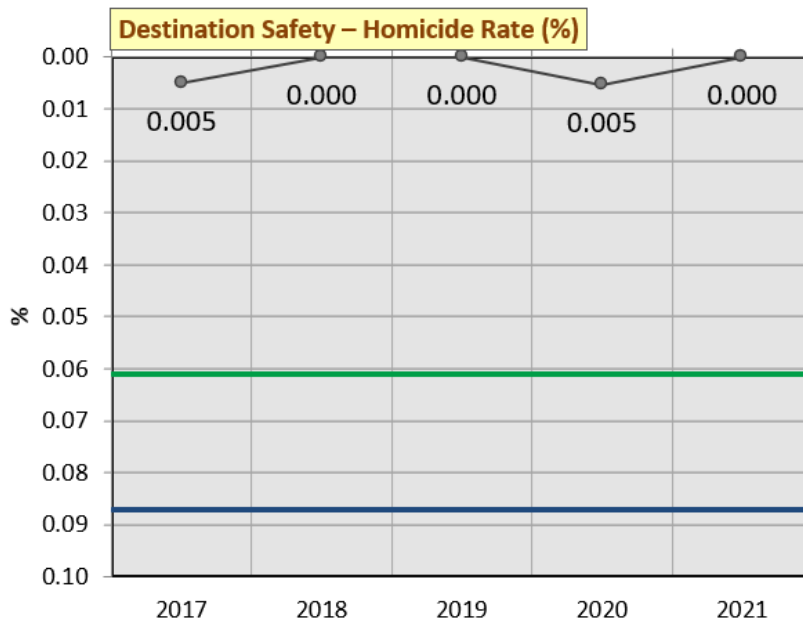
Significant Site Maintenance Fund (%)



Destination Järvsö

Significant Site Maintenance Fund (%) for the year 2021 (1 January 2021 – 31 December 2021) was not reported.

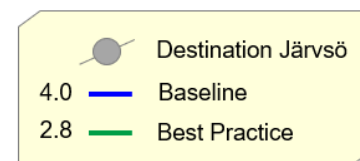
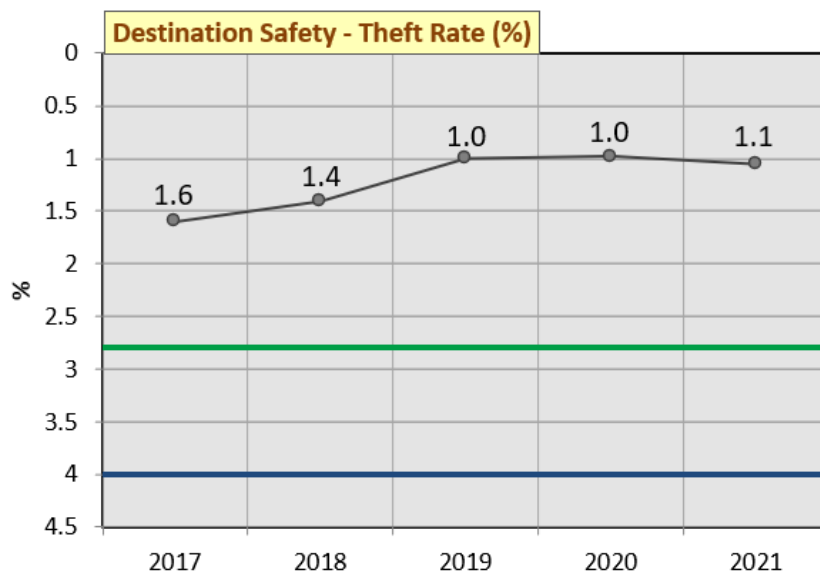
Destination Safety – Homicide Rate (%) ★



Destination Järvsö
 0.087 Baseline
 0.061 Best Practice

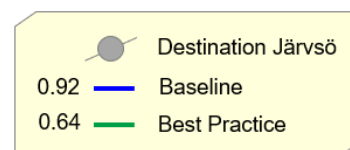
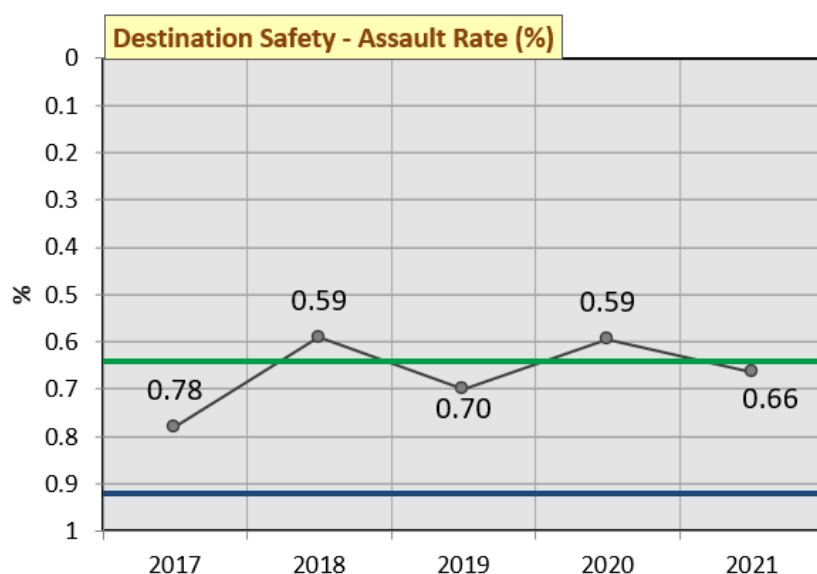
Destination Safety – Homicide Rate (%) for the year 2021 (1 January 2021 – 31 December 2021) was 0.0%, which was 0.061% better than the Best Practice level.

Destination Safety – Theft Rate (%) ★



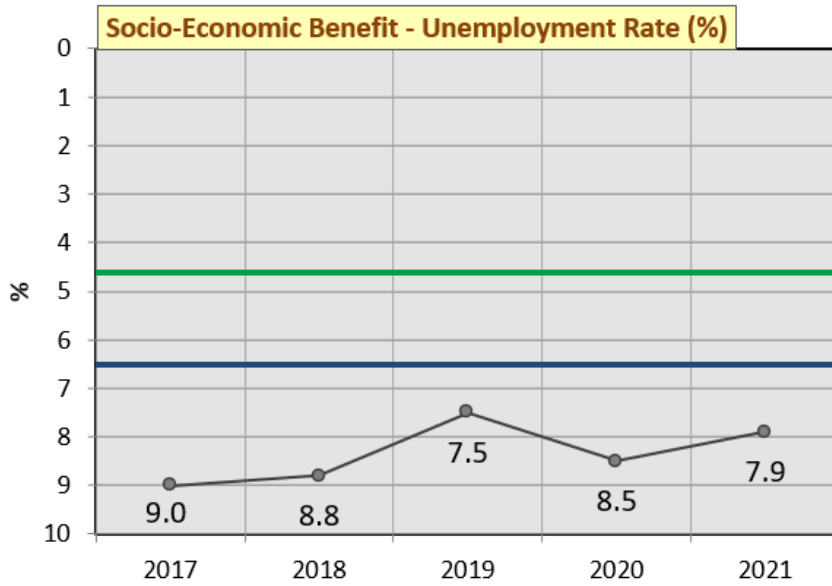
Destination Safety – Theft Rate (%) for the year 2021 (1 January 2021 – 31 December 2021) was 1.1%, which was 1.7% better than the Best Practice level.

Destination Safety – Assault Rate (%) ✓



Destination Safety – Assault Rate (%) for the year 2021 (1 January 2021 – 31 December 2021) was 0.66%, which was 0.26% better than the Baseline level.

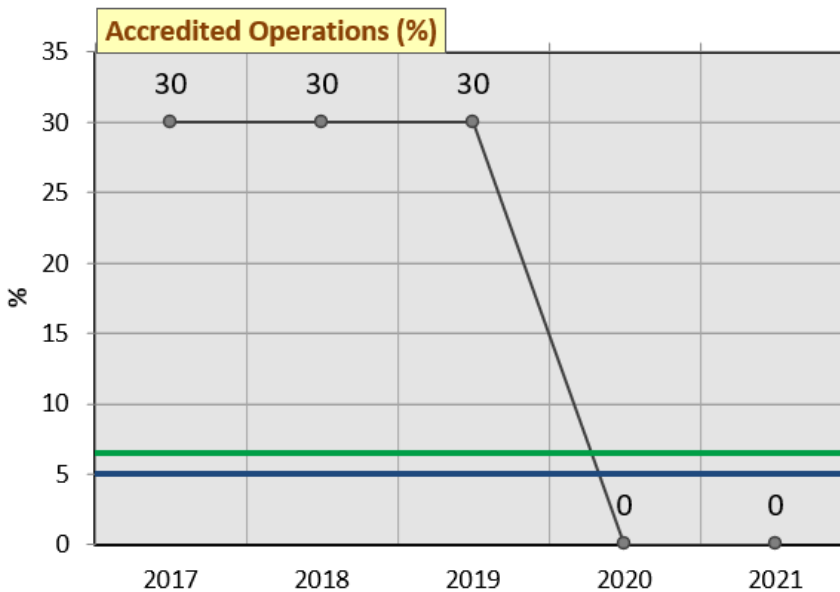
Socio-Economic Benefit – Unemployment Rate (%) ✘



● Destination Järvsö
— 6.5 Baseline
— 4.6 Best Practice

Socio-Economic Benefit – Unemployment Rate (%) for the year 2021 (1 January 2021 – 31 December 2021) was 7.9%, which was 1.4% worse than the Baseline level.

Accredited Operations (%) ✘

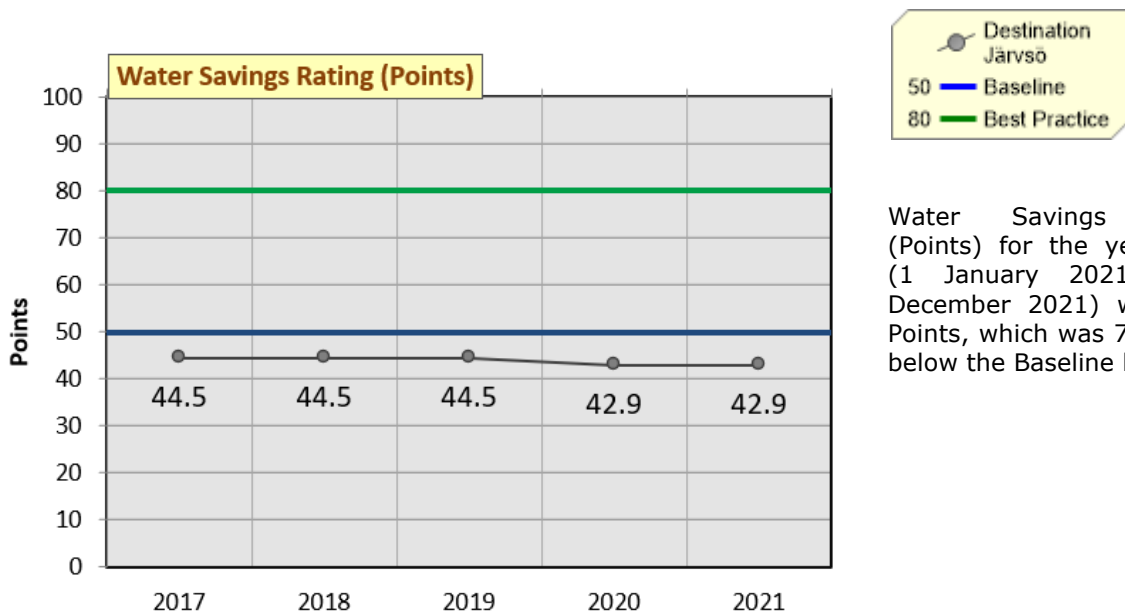


● Destination Järvsö
— 5 Baseline
— 6.5 Best Practice

Accredited Operations (%) for the year 2021 (1 January 2021 – 31 December 2021) was 0%, which was 5.0% below the Baseline level.

6. Water Savings

Water Savings Rating (Points) ✕

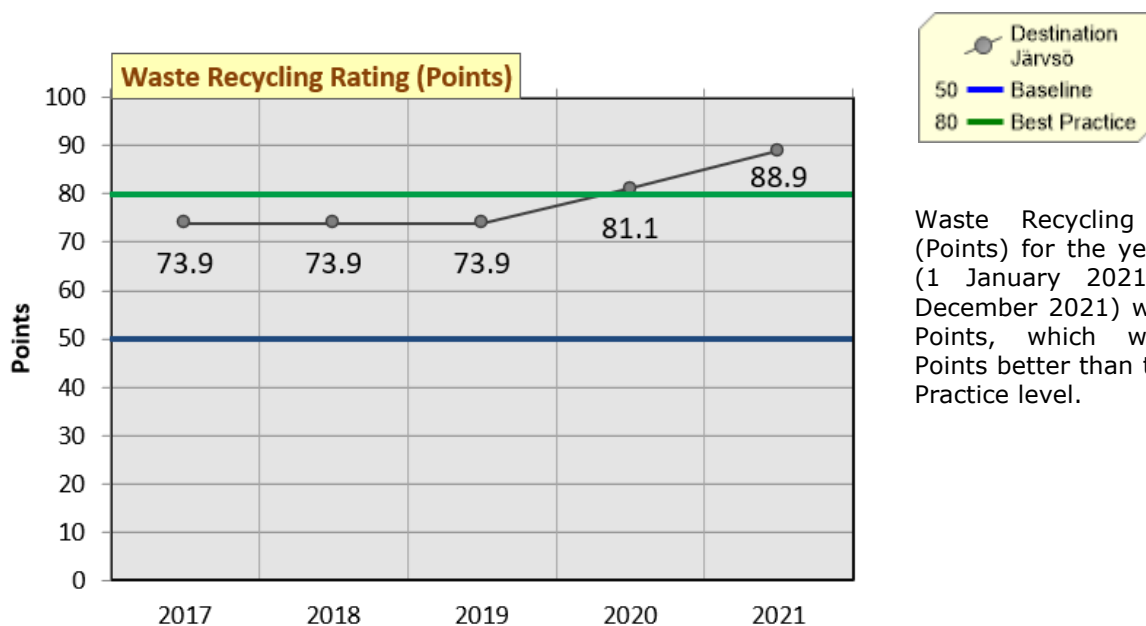


Water Savings Rating (Points) for the year 2021 (1 January 2021 - 31 December 2021) was 42.9 Points, which was 7.1 Points below the Baseline level.

Water Savings Measures	Frequency / Percentage Rating	Water Savings Rating (Points)
Check for leaks	Relevant / Not Available	50.0 Points
Low/dual flush toilets	Relevant / Not Available	50.0 Points
Low flow tap fittings	Relevant / Not Available	50.0 Points
Low flow shower fittings	Relevant / Not Available	50.0 Points
Water sprinklers used after dark	Relevant / Not Available	50.0 Points
Minimal irrigation landscaping	Relevant / Not Available	50.0 Points
Use of recycle/grey/rain water	0%	0.0 Points
	Overall Rating:	42.9 Points

7. Waste Recycling

Waste Recycling Rating (Points) ★

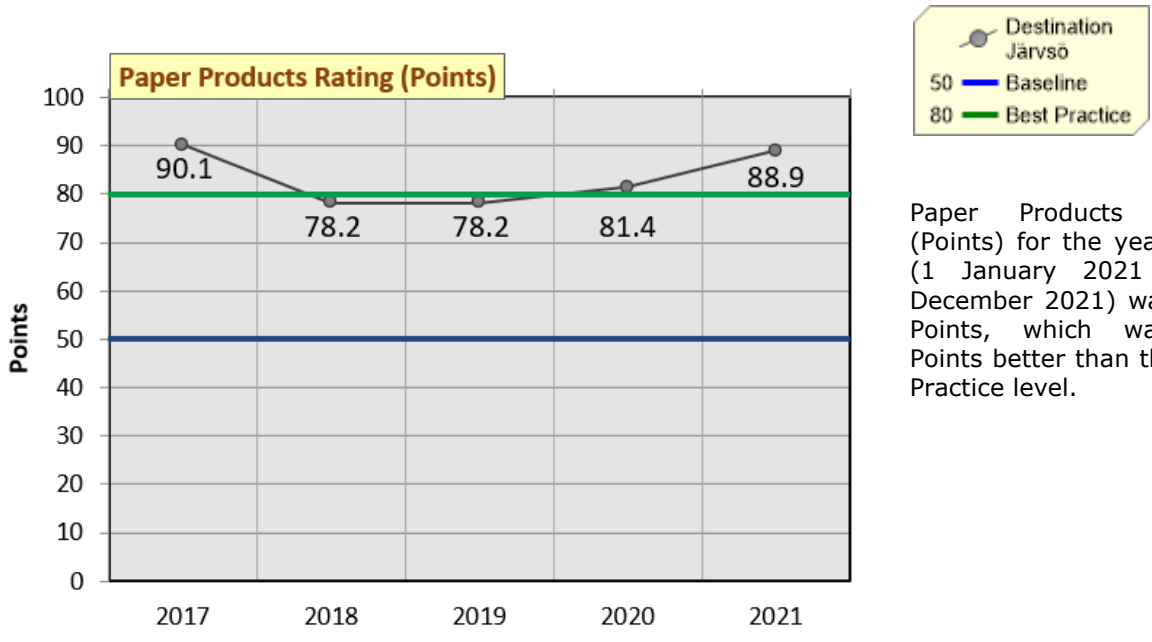


Waste Recycling Rating (Points) for the year 2021 (1 January 2021 – 31 December 2021) was 88.9 Points, which was 8.9 Points better than the Best Practice level.

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)	Not Relevant / Not Available	
Plastics	80-99%	88.9 Points
Rubber	Not Relevant / Not Available	
Green waste	80-99%	88.9 Points
	Overall Rating:	88.9 Points

8. Paper

Paper Products Rating (Points) ★

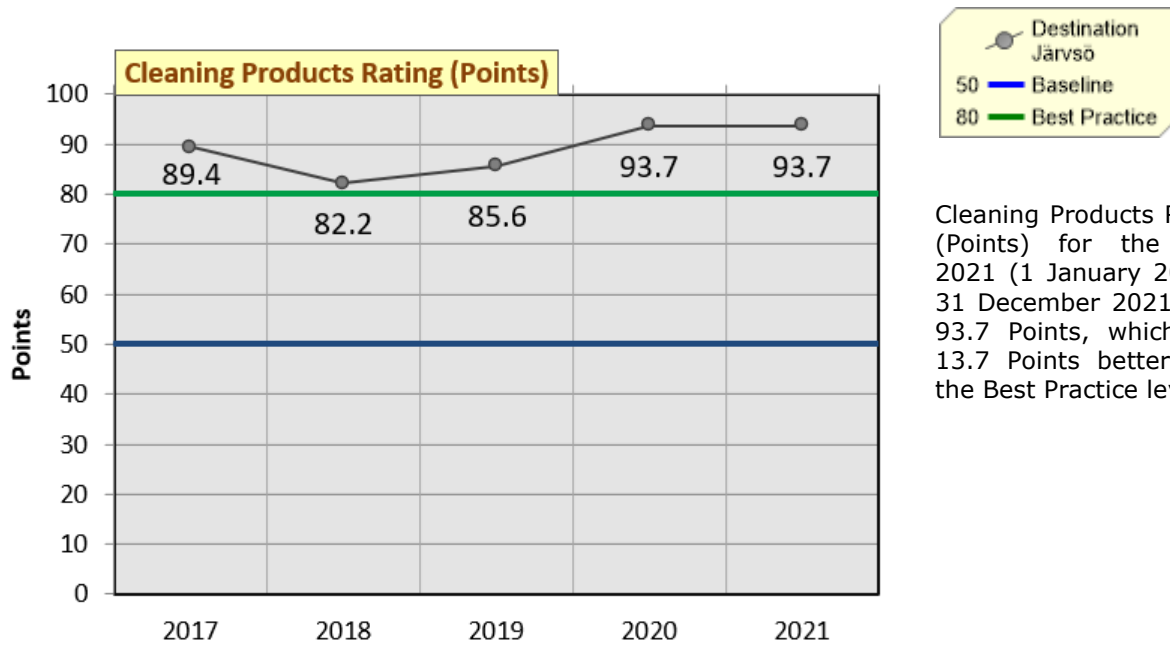


Paper Products Rating (Points) for the year 2021 (1 January 2021 - 31 December 2021) was 88.9 Points, which was 8.9 Points better than the Best Practice level.

Paper Products Measures	Frequency / Percentage Rating	Paper Products Rating (Points)
Office paper	80-99%	88.9 Points
Serviettes	80-99%	88.9 Points
Tissues	Not Relevant / Not Available	
Toilet tissue	80-99%	88.9 Points
Paper towels	80-99%	88.9 Points
	Overall Rating:	88.9 Points

9. Cleaning

Cleaning Products Rating (Points) ★

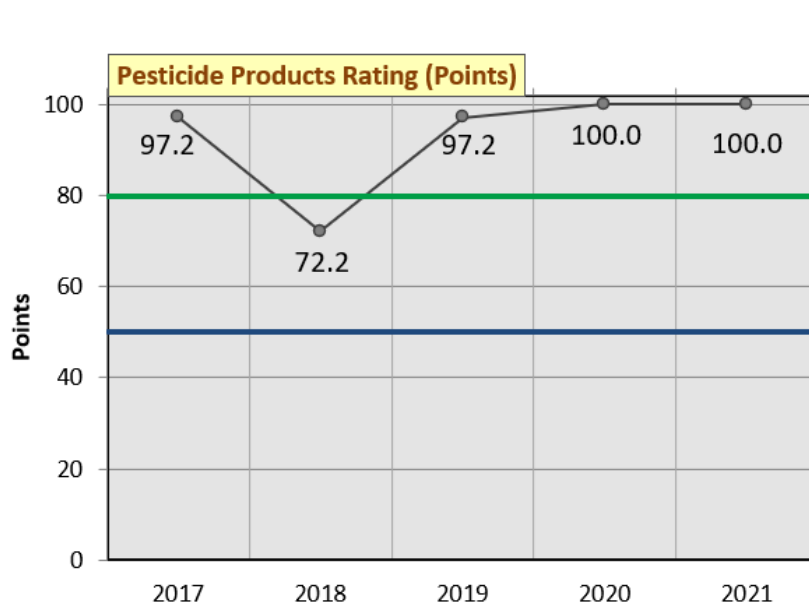


Cleaning Products Rating (Points) for the year 2021 (1 January 2021 – 31 December 2021) was 93.7 Points, which was 13.7 Points better than the Best Practice level.

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	80-99%	88.9 Points
External surface cleaners	Not Relevant / Not Available	100.0 Points
Glass cleaners	80-99%	88.9 Points
Detergents	80-99%	88.9 Points
Personal hygiene	100%	100.0 Points
	Overall Rating:	93.7 Points

10. Pesticides

Pesticide Products Rating (Points) ★



Pesticide Products Rating (Points) for the year 2021 (1 January 2021 – 31 December 2021) was 100.0 Points, which was 20.0 Points better than the Best Practice level.

If your operation does not use any pesticide products (which is a positive outcome), a rating of 100 will be reported for this indicator on the basis that no use represents a Best Practice achievement.

Pesticide Products Measures	Frequency / Percentage Rating	Pesticide Products Rating (Points)
Weed killers	100%	100.0 Points
Fungal killers	Not Relevant / Available	100.0 Points
Rodent killers	Not Relevant / Available	100.0 Points
Insect killers	Not Relevant / Available	100.0 Points
	Overall Rating:	100.0 Points

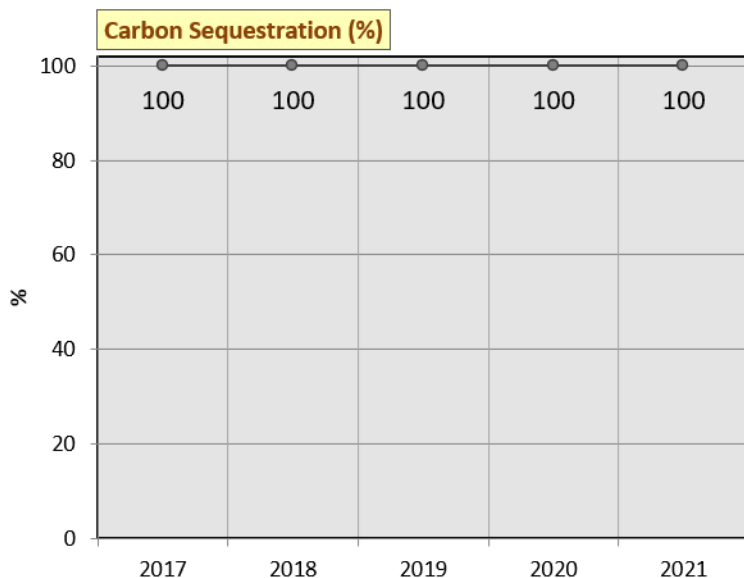
OPTIONAL BENCHMARKING INDICATORS

Destination Järvsö has also nominated optional Operation Selected Indicators that they consider relevant to their specific operation and locality. The Operation Selected and Specified Indicator/s do not form part of the formal annual benchmarking exercise.

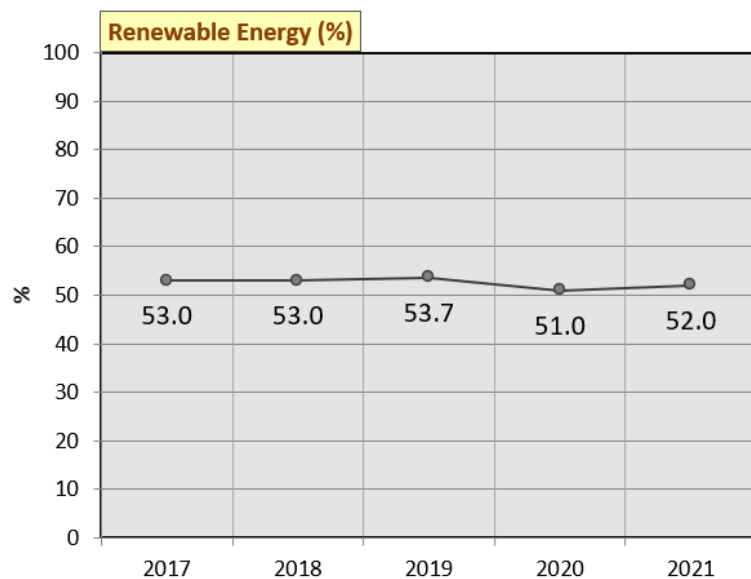
11. Selected Indicators

Selected Indicators are from a supplied list of EarthCheck indicators.

Carbon Sequestration



Renewable Energy



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

CONCLUSION AND RECOMMENDATIONS

Congratulations, **Destination Järvsö** has met the requirements to be recognised as an EarthCheck Benchmarked Community.

In addition to having a Sustainability Policy in place, ten of the assessed EarthCheck indicator(s) are at or above the Baseline level.

From the benchmarking data provided, thirteen indicator(s), *Energy Consumption, Potable Water Consumption, Waste Sent to Landfill, Nitrous Oxides Produced, Sulphur Dioxide Produced, Water Samples Passed, Green Space, Destination Safety – Homicide Rate, Destination Safety – Theft Rate, Waste Recycling Rating, Paper Products Rating, Cleaning Products Rating, and Pesticide Products Rating*, are at or above the Best Practice level.

The five indicator(s) that fell below the Baseline level were *Particulate Matter Produced, Habitat Conservation Area, Socio-Economic Benefit – Unemployment Rate, Accredited Operations, and Water Savings Rating*.

The value for Water Saving was 7.1 Points below the Baseline level. **Destination Järvsö** is encouraged, therefore, to review current on-site water use and the possibility of increasing on-site recycling and reuse (e.g. using non-hazardous rain water and/or grey water for watering plants and washing exterior surfaces). **Destination Järvsö** is also encouraged to regularly check for possible leaks, and fitting (where appropriate) water saving devices such as low-flow shower heads and dual flush toilet cisterns.

The value for Habitat Conservation Area was 17.3% below the Baseline level. **Destination Järvsö** is encouraged to promote habitat conservation of land, wetlands and waterways to aid biodiversity conservation and support habitat protection within the region.

The value for Accredited Operations was 5% below the Baseline level. **Destination Järvsö** is encouraged to promote environmental accreditation to hotels, restaurants and other business within the destination.

Destination Järvsö is encouraged to continue to make improvements in the above indicator/s and to ensure that any indicator/s 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 **Destination Järvsö** 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, **Destination Järvsö** is encouraged to ensure that Water Savings Rating, Habitat Conservation Area, and Accredited Operations are at Baseline performance or better. In line with EarthCheck Policy this would enable **Destination Järvsö** to continue to meet the benchmarking requirements of the EarthCheck program.



EARTHCHECK

Benchmarks Assessed by EarthCheck

SUMMARY OF SUPPLIED BENCHMARKING DATA

Activity Measures

Person Years	5,039
Total Destination Area	77,120

Supplied Benchmarking Data

Energy

Energy Consumption (GJ / Person Year)

Supplied	569,404.2 GJ
Calculated	113.0 GJ / Person Year
Baseline	176.5 GJ / Person Year
Best Practice	123.5 GJ / Person Year
Difference	8.5% better than the Best Practice level

Green Power (Purchased Electricity) (%)

Supplied	68.0%
Calculated	68.0%

Greenhouse Gas Emissions (Scope 1 and Scope 2) (t CO₂-e / Person Year)

Supplied	17,121.0 t CO ₂ -e
Calculated	3.4 t CO ₂ -e / Person Year
Baseline	4.1 t CO ₂ -e / Person Year
Best Practice	2.9 t CO ₂ -e / Person Year
Difference	17.1% better than the Baseline level

Direct Emissions (Scope 1) (t CO₂-e / Person Year)

Supplied	16,831.3 t CO ₂ -e
Calculated	3.3 t CO ₂ -e / Person Year

Indirect Emissions (Scope 2) (t CO₂-e / Person Year)

Supplied	289.7 t CO ₂ -e
Calculated	0.06 t CO ₂ -e / Person Year

Indirect Emissions (Scope 3) (t CO₂-e / Person Year)

Supplied	1,051.0 t CO ₂ -e
Calculated	0.2 t CO ₂ -e / Person Year

Waste Indirect Emissions (Scope 3) (t CO₂-e / Person Year)

Supplied	1,051.0 t CO ₂ -e
Calculated	0.2 t CO ₂ -e / Person Year

Water

Potable Water Consumption (kL / Person Year)

Supplied	203,843.0 kL
Calculated	40.5 kL / Person Year
Baseline	620.9 kL / Person Year
Best Practice	434.6 kL / Person Year
Difference	90.6% better than the Best Practice level

Recycled / Captured Water (%)

Supplied	0%
Calculated	0%

Waste

Waste Sent to Landfill (m³ / Person Year)

Supplied	665.2 m ³
Calculated	0.13 m ³ / Person Year
Baseline	1.5 m ³ / Person Year
Best Practice	1.0 m ³ / Person Year
Difference	86.8% better than the Best Practice level

Recycled / Reused / Composted Waste (%)

Supplied	56.0%
Calculated	56.0%

Waste Sent for Incineration (m³ / Person Year)

Supplied	11,268.5 m ³
Calculated	2.2 m ³ / Person Year

Sector Specific

Nitrous Oxides Produced (kg / Person Year / Hectare)

Calculated	0.53 kg / Person Year / Hectare
Baseline	0.93 kg / Person Year / Hectare
Best Practice	0.65 kg / Person Year / Hectare
Difference	18.5% better than the Best Practice level

Sulphur Dioxide Produced (kg / Person Year / Hectare)

Calculated	0.04 kg / Person Year / Hectare
Baseline	0.90 kg / Person Year / Hectare
Best Practice	0.63 kg / Person Year / Hectare
Difference	93.7% better than the Best Practice level

Particulate Matter Produced (kg / Person Year / Hectare)

Calculated	1.4 kg / Person Year / Hectare
Baseline	0.7 kg / Person Year / Hectare
Best Practice	0.5 kg / Person Year / Hectare
Difference	100% worse than the Baseline level

Water Samples Passed (%)

Supplied	100%
Calculated	100%
Baseline	70%
Best Practice	100%
Difference	at the Best Practice level

Habitat Conservation Area (%)

Supplied	2.7%
Calculated	2.7%
Baseline	20%
Best Practice	26%
Difference	17.3% below the Baseline level

Green Space (%)

Supplied	95.0%
Calculated	95.0%
Baseline	15%
Best Practice	20%
Difference	75.0% better than the Best Practice level

Significant Site Maintenance Fund (%)

Supplied	N/A
Calculated	N/A

Destination Safety – Homicide Rate (%)

Supplied	0.0%
Calculated	0.0%
Baseline	0.087%
Best Practice	0.061%
Difference	0.061% better than the Best Practice level

Destination Safety – Theft Rate (%)

Supplied	1.1%
Calculated	1.1%
Baseline	4.0%

Best Practice	2.8%
Difference	1.7% better than the Best Practice level

Destination Safety – Assault Rate (%)

Supplied	0.66%
Calculated	0.66%
Baseline	0.92%
Best Practice	0.64%
Difference	0.26% better than the Baseline level

Socio-Economic Benefit – Unemployment Rate (%)

Supplied	7.9%
Calculated	7.9%
Baseline	6.5%
Best Practice	4.6%
Difference	1.4% worse than the Baseline level

Accredited Operations (%)

Supplied	0%
Calculated	0%
Baseline	5%
Best Practice	6.5%
Difference	5.0% below the Baseline level

Water Savings

Water Savings Rating (Points)

Supplied	42.9 Points
Calculated	42.9 Points
Baseline	50 Points
Best Practice	80 Points
Difference	7.1 Points below the Baseline level

Waste Recycling

Waste Recycling Rating (Points)

Supplied	88.9 Points
Calculated	88.9 Points
Baseline	50 Points
Best Practice	80 Points
Difference	8.9 Points better than the Best Practice level

Paper

Paper Products Rating (Points)

Supplied	88.9 Points
Calculated	88.9 Points
Baseline	50 Points
Best Practice	80 Points
Difference	8.9 Points better than the Best Practice level

Cleaning

Cleaning Products Rating (Points)

Supplied	93.7 Points
Calculated	93.7 Points
Baseline	50 Points
Best Practice	80 Points
Difference	13.7 Points better than the Best Practice level

Pesticides

Pesticide 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

Selected Indicators

Carbon Sequestration (%)

Supplied	100.0%
Calculated	100.0%

Renewable Energy (%)

Supplied	52.0%
Calculated	52.0%

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).