

Greenhouse Gas Protocol Report

Bluestep Bank

Assessment period: 2023

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Assessment Details

Consolidation Approach

Operational control

Organisational Boundaries

Operations of Bluestep Bank

Included

- Bluestep Bank
- Sverige
- Stockholm
- Norway
- Oslo
- Finland
- Helsingfors

Excluded

Helsingborg

Operational Boundary

- Air Travel Global (RFI 1.7)
- Bus and coach
- Cars
- District cooling
- District heating
- Electricity consumption
- Employee owned cars
- Ferry
- Hired cars
- Home working
- Hotel night stays
- IT Equipment
- Incinerated waste treatment
- Landfilled waste treatment
- Motorcycle
- Paper and printed material
- Rail (train, tram, light rail, underground)
- · Recycled waste treatment
- Road freight, shared vehicle (tonne.km factors)
- Taxi
- Walk & Bike
- · Water supply

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Introduction

A greenhouse gas (GHG) emissions assessment quantifies the total greenhouse gases produced directly and indirectly from a business or organisation's activities. Also known as a carbon footprint, it is an essential tool, providing your business with a basis for understanding and managing its climate change impacts.

A GHG assessment quantifies all seven Kyoto greenhouse gases where applicable and is measured in units of carbon dioxide equivalence, or CO_2e^1 . The seven Kyoto gases are carbon dioxide (CO_2) , methane (CH_4) , nitrous oxide (N_2O) , hydrofluorocarbons (HFCs), nitrogen trifluoride (NF_a) , sulphur hexafluoride (SF_a) and perfluorocarbons (PFCs). The global warming potential (GWP) of each gas is illustrated in the Table 1.

Table 1, GWP of Kvoto Gases (IPCC 2013, without climate-carbon feedback)

Greenhouse Gas	GWP
Carbon dioxide (CO ₂)	1
Methane (CH ₄)	28
Nitrous oxide (N ₂ O)	265
Hydrofluorocarbons (HFCs)	1 - 12,400
Perfluorocarbons (PFCs)	1 - 11,100
Nitrogen trifluoride (NF ₃)	16,100
Sulphur hexafluoride (SF ₆)	23,500

This assessment has been carried out in accordance with the World Business Council for Sustainable Development and World Resources Institute's (WBCSD/WRI) Greenhouse Gas Protocol; a Corporate Accounting and Reporting Standard, including the GHG Protocol Scope 2 Guidance. This protocol is considered current best practice for corporate or organisational greenhouse gas emissions reporting. GHG emissions have been reported by the three WBCSD/WRI Scopes.

Scope 1 includes direct GHG emissions from sources that are owned or controlled by the company such as natural gas combustion and company owned vehicles.

Scope 2 accounts for GHG emissions from the generation of purchased electricity, heat and steam generated off-site. As the subject of this assessment operates in markets which offer contractual instruments with product or supplier-specific data, scope 2 emissions are reported using both the location-based method and the market-based method. The location-based method applies average emission factors that correspond to the grid where consumption occurs, whereas the market-based method applies emission factors that correspond to energy purchased (or not purchased) through contractual instruments. Contractual instruments include energy attribute certificates, direct energy contracts, and supplier specific emission rates. The subject of this assessment has ensured that any contractual instruments used in the market-based method have met the Scope 2 Quality Criteria, as defined in the Guidance. Where contractual instruments do not meet the Quality Criteria, or where contractual instruments were not purchased, market-based scope 2 emissions have been calculated using residual mix emission factors. Where residual mix emission factors are not available, market-based scope 2 emissions have been calculated using default location grid-average emission factors, per the Protocol hierarchy. This may result in double counting between electricity consumers, as an adjusted emission factor taking into account voluntary purchases of electricity with specific attributes was not available.

Scope 3 includes all other indirect emissions such as waste disposal, business travel and staff commuting. Reporting of these activities is optional under the WBCSD/WRI GHG Protocol, but as they can contribute a significant portion of overall emissions U&We recommends they are reported where applicable.

A GHG assessment is an essential tool in the process of monitoring and reducing an organisation's climate change impact as it allows reduction targets to be set and action plans formulated. GHG assessment results can also allow organisations to be transparent about their climate change impacts through reporting of GHG emissions to customers, shareholders, employees and other stakeholders. Regular assessments allow clients to track their progress in achieving reductions over time and provide evidence to support green claims in external marketing initiatives such as product labelling or CSR reporting. U&We GHG assessments are designed to be transparent, consistent and repeatable over time.

¹ Carbon dioxide equivalent or CO₂e is a term for describing different greenhouse gases in a common unit. For any quantity and type of greenhouse gas, CO₂e signifies the amount of CO₂ which would have the equivalent global warming impact.

Data Quality and Availability

In order to provide the most accurate estimate of an organisation's GHG emissions, primary (actual) data should be used where it is available, up to date and geographically relevant. Secondary data in the form of estimates, extrapolations and industry averages may be used when primary data is not available. Table 2 details the quality of data submitted for this assessment with the key assumptions used stated below.

Data Quality Overview



Location-based		
Accuracy Overview	tCO ₂ e/year	%
Actual	319	95.5
Estimated	15	4.48
 Total	334	100



Market-based					
Α	ccuracy Overview	tCO ₂ e/year	%		
	Actual	319	95.6		
	Estimated	14.8	4.44		
	Total	333	100		

Table 2. Data Quality and Availability

Source of emissions	Data quality
Premises	
District cooling	Mixed
District heating	Mixed
Electricity consumption	Mixed
Hazardous waste treatment	Mixed
Home working	Actual
Incinerated waste treatment	Estimated
Landfilled waste treatment	Mixed
Recycled waste treatment	Mixed
Road freight, shared vehicle (tonne.km factors)	Mixed
Water supply	Estimated
Business Travel	
Air Travel – Global (RFI 1.7)	Actual
Bus and coach	Actual
Employee owned cars	Actual
Ferry	Actual

Hired cars	Actual
Hotel night stays	Actual
Rail (train, tram, light rail, underground)	Actual
Taxi	Actual
Company-Owned/Leased Vehicles	
Cars	Actual
Commuting	
Bus and coach	Actual
Employee owned cars	Actual
Ferry	Actual
Motorcycle	Actual
Rail (train, tram, light rail, underground)	Actual
Walk & Bike	Actual
Office supply	
IT Equipment	Actual
Paper and printed material	Actual

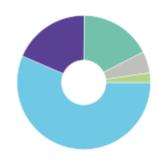
Assessment Summary for Bluestep Bank Gross Overall Emissions (location-based): 334 tCO_2e Gross Overall Emissions (market-based): 333 tCO_2e

Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO₂e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
6,343,000 Total Sales (KSEK)	5.27e-5 tCO ₂ e per Total Sales (KSEK) (Location-Based)
3,114 Floor area (square metres)	0.107 tCO ₂ e per square metre (Location-Based)
21,454 Credit volume (MSEK)	0.0156 tCO ₂ e per Credit volume (MSEK) (Location-Based)
264 Full Time Equivalent Employees	1.27 tCO ₂ e per Full Time Equivalent Employee (Location-Based)
6,343,000 Total Sales (KSEK)	5.26e-5 tCO ₂ e per Total Sales (KSEK) (Market-Based)
3,114 Floor area (square metres)	0.107 tCO ₂ e per square metre (Market-Based)
21,454 Credit volume (MSEK)	0.0155 tCO ₂ e per Credit volume (MSEK) (Market-Based)
264 Full Time Equivalent Employees	1.26 tCO ₂ e per Full Time Equivalent Employee (Market-Based)

Summary by Activity (Location-Based, tCO2e)



В	y Activity	tCO ₂ e/year	%
	Business Travel	189	56.5
	Office supply	62.3	18.6
	Commuting	58.2	17.4
	Premises	17.4	5.2
	Company-Owned/Leased Vehicles	7.71	2.31
	Total	334	100

Summary by Activity (Market-Based, tCO₂e)



В	/ Activity	tCO ₂ e/year	%
	Business Travel	189	56.6
	Office supply	62.3	18.7
	Commuting	58.2	17.5
	Premises	16.5	4.96
	Company-Owned/Leased Vehicles	7.71	2.31
	Total	333	100

Summary by WBCSD/WRI Scope (Location-Based, tCO2e)



By Activity	tCO ₂ e/year	%
Scope 1	6.2	1.85
Scope 2	15.7	4.69
Scope 3	312	93.5
Т	otal 334	100

Summary by WBCSD/WRI Scope (Market-Based, tCO_2 e)



By Activity		tCO ₂ e/year	%
Scope 1		6.2	1.86
Scope 2		13.9	4.17
Scope 3		313	94
	Total	333	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	226	226	224	224
CH ₄	28	0.00578	0.162	0.00546	0.153
N ₂ O	265	0.00431	1.14	0.00427	1.13
Biogenic CO ₂	0	1.9	0	1.9	0
CO ₂ e	1	107	107	108	108
		Total	334		333

Summary of Scope 2 Market-Based Method for Bluestep Bank

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions





Emission Factor Type	Ene	rgy	Market-Base	d Emissions
	MWh	%	tCO ₂ e	%
Client-supplied market-based instrument	188	53.4	0.051	0.367
Residual mix factors	0	0	0	0
Default location-based factors	164	46.6	13.9	99.6
Total	352	100	13.9	100

Detailed Results

Detailed Summary by WBCSD/WRI Scope

Location-Based methodology

		tCH ₄ /yr	tN ₂ O/yr	Emissions (tCO ₂ e/yr)	%
Scope 1 Total	6.15	7.94e-6	1.86e-4	6.2	1.85%
Company-Owned/Leased Vehicles Total	6.15	7.94e-6	1.86e-4	6.2	1.85%
Cars	6.15	7.94e-6	1.86e-4	6.2	1.85%
Scope 2 Total	10.4	2.98e-4	4.6e-5	15.7	4.69%
Premises Total	10.4	2.98e-4	4.6e-5	15.7	4.69%
District cooling	0	0	0	0	0%
District heating	8.55	0	0	13.9	4.15%
Electricity consumption	1.8	2.98e-4	4.6e-5	1.82	0.544%
Scope 3 Total	209	0.00547	0.00408	312	93.5%
Business Travel Total	167	0.00301	0.00351	189	56.5%
Air Travel – Global (RFI 1.7)	149	0.00282	0.00279	150	44.8%
Air Travel – Global (RFI 1.7): Flights, medium-haul, average, upstream emissions	0	0	0	7.13	2.13%
Air Travel – Global (RFI 1.7): Flights, short-haul, upstream emissions	0	0	0	11.3	3.38%
Bus and coach	1.25	4.93e-6	3.39e-5	1.26	0.377%
Bus and coach: Average bus, upstream emissions	0	0	0	0.307	0.0919%
Employee owned cars	0.293	1.21e-5	6.54e-6	0.295	0.0884%
Employee owned cars: Average unknown fuel car, upstream emissions	0	0	0	0.0774	0.0232%
Ferry	0.00283	3.67e-8	1.29e-7	0.0136	0.00407%
Ferry: Ferry, foot passenger, upstream emissions	0	0	0	6.49e-4	1.94e-4%
Hired cars	0.0707	2.9e-6	1.58e-6	0.0712	0.0213%
Hired cars: Average unknown fuel car, upstream emissions	0	0	0	0.0186	0.00558%
Hotel night stays	8.29	8.16e-5	4.35e-4	8.41	2.51%
Rail (train, tram, light rail, underground)	0.822	6.56e-5	2.52e-5	0.841	0.252%
Rail (train, tram, light rail, underground): Train, national, upstream emissions	0	0	0	0.21	0.0628%
Taxi	7.16	2.49e-5	2.19e-4	7.4	2.21%
Taxi: Regular taxi, upstream emissions	0	0	0	1.48	0.442%
Taxi: Taxi (Stockholm), upstream emissions	0	0	0	0.0383	0.0115%
Commuting Total	41.8	0.00242	5.62e-4	58.2	17.4%
Bus and coach	6.56	3.37e-5	1.5e-4	12	3.59%
Bus and coach: City bus, upstream emissions	0	0	0	1.61	0.483%
Employee owned cars	26.8	0.00108	2.24e-4	26.9	8.05%

	Employee owned cars: Average diesel car, upstream emissions	0	0	0	0.273	0.0817%
	Employee owned cars: Average petrol car, upstream emissions	0	0	0	0.165	0.0493%
	Employee owned cars: Average petrol hybrid car, upstream emissions	0	0	0	3.23	0.966%
	Employee owned cars: BENSIN SVERIGE, Upstream	0	0	0	2.36	0.705%
	Employee owned cars: DIESEL MK1 SVERIGE (24% förnybart), Upstream	0	0	0	1.02	0.305%
	Employee owned cars: Electricity - transmission & distribution losses (MCR)	0.00738	1.21e-6	1.81e-7	0.00746	0.00223%
	Employee owned cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00348	0.00104%
	Employee owned cars: Electricity grid, generated, upstream emissions	0	0	0	0.0504	0.0151%
	Ferry	0.438	5.19e-6	2e-5	0.443	0.133%
	Ferry: Ferry, average passenger, upstream emissions	0	0	0	0.101	0.0301%
	Motorcycle	0.415	2.36e-4	7.38e-6	0.424	0.127%
	Motorcycle: Average petrol motorcycle, upstream emissions	0	0	0	0.11	0.033%
	Rail (train, tram, light rail, underground)	7.17	0.00104	1.57e-4	7.24	2.17%
	Rail (train, tram, light rail, underground): Underground, upstream emissions	0.338	2.3e-5	2.98e-6	2.23	0.668%
	Walk & Bike	0.00623	9.85e-7	1.57e-7	0.0063	0.00188%
	Walk & Bike: Electricity grid, T&D losses, upstream emissions	0.00623	9.85e-7 0	1.57e-7 0	0.0063 1.47e-4	0.00188% 4.39e-5%
	Walk & Bike: Electricity grid, T&D losses, upstream					
Compa	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream	0	0	0	1.47e-4	4.39e-5%
Compa	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions	0	0	0	1.47e-4 0.00233	4.39e-5% 6.98e-4%
Compa	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions any-Owned/Leased Vehicles Total	0 0	0 0	0 0	1.47e-4 0.00233 1.52	4.39e-5% 6.98e-4% 0.453%
	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions any-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions	0 0 0	0 0 0	0 0 0	1.47e-4 0.00233 1.52 1.5	4.39e-5% 6.98e-4% 0.453% 0.45%
	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions Iny-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions	0 0 0 0	0 0 0 0 0	0 0 0 0	1.47e-4 0.00233 1.52 1.5 0.0122	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366%
	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions uny-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	1.47e-4 0.00233 1.52 1.5 0.0122 62.3	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions any-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 16.3%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions any-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment Paper and printed material	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6 7.67	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 16.3% 2.29%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions Iny-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment Paper and printed material es Total District cooling: District cooling (Stockholm Exergi),	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 4.32e-5	0 0 0 0 0 0 0	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6 7.67 1.69	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 16.3% 2.29% 0.506%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions any-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment Paper and printed material es Total District cooling: District cooling (Stockholm Exergi), upstream emissions District heating: District Heating, Stockholm Exergi	0 0 0 0 0 0 0 0 0.388	0 0 0 0 0 0 0 4.32e-5	0 0 0 0 0 0 0 1.16e-5	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6 7.67 1.69 0.0108	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 2.29% 0.506% 0.00322%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions Iny-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment Paper and printed material es Total District cooling: District cooling (Stockholm Exergi), upstream emissions District heating: District Heating, Stockholm Exergi AB, Stockholm, upstream emissions Electricity consumption: Electricity - transmission &	0 0 0 0 0 0 0 0 0.388	0 0 0 0 0 0 0 4.32e-5	0 0 0 0 0 0 0 1.16e-5	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6 7.67 1.69 0.0108	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 16.3% 2.29% 0.506% 0.00322%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions any-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment Paper and printed material es Total District cooling: District cooling (Stockholm Exergi), upstream emissions District heating: District Heating, Stockholm Exergi AB, Stockholm, upstream emissions Electricity consumption: Electricity - transmission & distribution losses (MCR) Electricity consumption: Electricity grid, T&D losses,	0 0 0 0 0 0 0 0 0.388 0.0108	0 0 0 0 0 0 0 4.32e-5 0	0 0 0 0 0 0 0 1.16e-5 0	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6 7.67 1.69 0.0108 0.371 0.104	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 16.3% 2.29% 0.506% 0.00322% 0.111%
Office s	Walk & Bike: Electricity grid, T&D losses, upstream emissions Walk & Bike: Electricity grid, generated, upstream emissions my-Owned/Leased Vehicles Total Cars: Large diesel car, upstream emissions Cars: Large petrol hybrid car, upstream emissions supply Total IT Equipment Paper and printed material es Total District cooling: District cooling (Stockholm Exergi), upstream emissions District heating: District Heating, Stockholm Exergi AB, Stockholm, upstream emissions Electricity consumption: Electricity - transmission & distribution losses (MCR) Electricity consumption: Electricity grid, T&D losses, upstream emissions Electricity consumption: Electricity grid, generated,	0 0 0 0 0 0 0 0 0.388 0.0108	0 0 0 0 0 0 0 4.32e-5 0	0 0 0 0 0 0 0 1.16e-5 0 2.74e-6	1.47e-4 0.00233 1.52 1.5 0.0122 62.3 54.6 7.67 1.69 0.0108 0.371 0.104 0.0452	4.39e-5% 6.98e-4% 0.453% 0.45% 0.00366% 18.6% 16.3% 2.29% 0.506% 0.00322% 0.111% 0.0311%

Home working: Electricity grid, T&D losses, upstream emissions	Total	226	0.00578	0.00431	334	100%
Home working: Electricity grid, T&D losses, upstream emissions	Water supply	0	0	0	0.115	0.0345%
Description of the distribution losses (MCR) Description losses (MCR) Description of the distribution losses (MCR) Description losse	Road freight, rigid HGV (>17t) average load,	0	0	0	0.0232	0.00695%
Description	, , , , , , , , , , , , , , , , , , ,	0.0945	9.97e-7	4.72e-6	0.0958	0.0286%
distribution losses (MCR) Home working: Electricity grid, T&D losses, upstream emissions Home working: Electricity grid, generated, upstream emissions O 0 0 0 0.00384 0.00118 Home working: Electricity grid, generated, upstream emissions Incinerated waste treatment O 0 0 0 0 0 0 0	Recycled waste treatment	0	0	0	0	0%
distribution losses (MCR) Home working: Electricity grid, T&D losses, upstream emissions Home working: Electricity grid, generated, upstream emissions 0 0 0 0 0.00384 0.00119 Home working: Electricity grid, generated, upstream emissions	Landfilled waste treatment	0	0	0	6.96e-4	2.08e-4%
distribution losses (MCR) Home working: Electricity grid, T&D losses, upstream emissions Home working: Electricity grid, generated, upstream 0 0 0 0 0.00384 0.00119	Incinerated waste treatment	0	0	0	0	0%
0.00866 1.33e-6 2.14e-7 0.00875 0.00263 distribution losses (MCR) Home working: Electricity grid, T&D losses, upstream 0 0 0 0 0.00384 0.00118	70 10	0	0	0	0.0689	0.0206%
0.00866 1.33e-6 2.14e-7 0.00875 0.0026		0	0	0	0.00384	0.00115%
	,	0.00866	1.33e-6	2.14e-7	0.00875	0.00262%

Market-Based methodology

Source of Emis	ssions	tCO ₂ /yr	tCH ₄ /yr	tN ₂ O/yr	Total Emissions (tCO ₂ e/yr)	%
Scope 1 Total		6.15	7.94e-6	1.86e-4	6.2	1.86%
Compa	ny-Owned/Leased Vehicles Total	6.15	7.94e-6	1.86e-4	6.2	1.86%
	Cars	6.15	7.94e-6	1.86e-4	6.2	1.86%
Scope 2 Total		8.55	0	0	13.9	4.17%
Premise	es Total	8.55	0	0	13.9	4.17%
	District cooling	0	0	0	0	0%
	District heating	8.55	0	0	13.9	4.16%
	Electricity consumption	0	0	0	0.051	0.0153%
Scope 3 Total		209	0.00546	0.00408	313	94%
Busines	ss Travel Total	167	0.00301	0.00351	189	56.6%
	Air Travel – Global (RFI 1.7)	149	0.00282	0.00279	150	45%
	Air Travel – Global (RFI 1.7): Flights, medium-haul, average, upstream emissions	0	0	0	7.13	2.14%
	Air Travel – Global (RFI 1.7): Flights, short-haul, upstream emissions	0	0	0	11.3	3.39%
	Bus and coach	1.25	4.93e-6	3.39e-5	1.26	0.378%
	Bus and coach: Average bus, upstream emissions	0	0	0	0.307	0.0922%
	Employee owned cars	0.293	1.21e-5	6.54e-6	0.295	0.0886%
	Employee owned cars: Average unknown fuel car, upstream emissions	0	0	0	0.0774	0.0232%
	Ferry	0.00283	3.67e-8	1.29e-7	0.0136	0.00408%
	Ferry: Ferry, foot passenger, upstream emissions	0	0	0	6.49e-4	1.95e-4%
	Hired cars	0.0707	2.9e-6	1.58e-6	0.0712	0.0213%
	Hired cars: Average unknown fuel car, upstream emissions	0	0	0	0.0186	0.00559%

	Hotel night stays	8.29	8.16e-5	4.35e-4	8.41	2.52%
	Rail (train, tram, light rail, underground)	0.822	6.56e-5	2.52e-5	0.841	0.252%
	Rail (train, tram, light rail, underground): Train, national, upstream emissions	0	0	0	0.21	0.063%
	Taxi	7.16	2.49e-5	2.19e-4	7.4	2.22%
	Taxi: Regular taxi, upstream emissions	0	0	0	1.48	0.443%
	Taxi: Taxi (Stockholm), upstream emissions	0	0	0	0.0383	0.0115%
Commu	uting Total	41.8	0.00242	5.62e-4	58.2	17.5%
	Bus and coach	6.56	3.37e-5	1.5e-4	12	3.6%
	Bus and coach: City bus, upstream emissions	0	0	0	1.61	0.484%
	Employee owned cars	26.8	0.00108	2.24e-4	26.9	8.07%
	Employee owned cars: Average diesel car, upstream emissions	0	0	0	0.273	0.0819%
	Employee owned cars: Average petrol car, upstream emissions	0	0	0	0.165	0.0495%
	Employee owned cars: Average petrol hybrid car, upstream emissions	0	0	0	3.23	0.969%
	Employee owned cars: BENSIN SVERIGE, Upstream	0	0	0	2.36	0.707%
	Employee owned cars: DIESEL MK1 SVERIGE (24% förnybart), Upstream	0	0	0	1.02	0.305%
	Employee owned cars: Electricity - transmission & distribution losses (MCR)	0.00738	1.21e-6	1.81e-7	0.00746	0.00224%
	Employee owned cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00348	0.00104%
	Employee owned cars: Electricity grid, generated, upstream emissions	0	0	0	0.0504	0.0151%
	Ferry	0.438	5.19e-6	2e-5	0.443	0.133%
	Ferry: Ferry, average passenger, upstream emissions	0	0	0	0.101	0.0301%
	Motorcycle	0.415	2.36e-4	7.38e-6	0.424	0.127%
	Motorcycle: Average petrol motorcycle, upstream emissions	0	0	0	0.11	0.033%
	Rail (train, tram, light rail, underground)	7.17	0.00104	1.57e-4	7.24	2.17%
	Rail (train, tram, light rail, underground): Underground, upstream emissions	0.338	2.3e-5	2.98e-6	2.23	0.67%
	Walk & Bike	0.00623	9.85e-7	1.57e-7	0.0063	0.00189%
	Walk & Bike: Electricity grid, T&D losses, upstream emissions	0	0	0	1.47e-4	4.4e-5%
	Walk & Bike: Electricity grid, generated, upstream emissions	0	0	0	0.00233	6.99e-4%
Compa	ny-Owned/Leased Vehicles Total	0	0	0	1.52	0.455%
	Cars: Large diesel car, upstream emissions	0	0	0	1.5	0.451%
	Cars: Large petrol hybrid car, upstream emissions	0	0	0	0.0122	0.00367%
Office s	supply Total	0	0	0	62.3	18.7%
	IT Equipment	0	0	0	54.6	16.4%
	Paper and printed material	0	0	0	7.67	2.3%

Premises Total	0.285	2.49e-5	8.83e-6	2.62	0.786%
District cooling: District cooling (Stockholm Exergi), upstream emissions	0.0108	0	0	0.0108	0.00323%
District heating: District Heating, Stockholm Exergi AB, Stockholm, upstream emissions	0	0	0	0.371	0.111%
Electricity consumption: MBI Upstream Emissions	0	0	0	1.75	0.524%
Home working	0.171	2.26e-5	3.89e-6	0.173	0.0519%
Home working: Electricity - transmission & distribution losses (MCR)	0.00866	1.33e-6	2.14e-7	0.00875	0.00263%
Home working: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00384	0.00115%
Home working: Electricity grid, generated, upstream emissions	0	0	0	0.0689	0.0207%
Incinerated waste treatment	0	0	0	0	0%
Landfilled waste treatment	0	0	0	6.96e-4	2.09e-4%
Recycled waste treatment	0	0	0	0	0%
Road freight, shared vehicle (tonne.km factors)	0.0945	9.97e-7	4.72e-6	0.0958	0.0287%
Road freight, shared vehicle (tonne.km factors): Road freight, rigid HGV (>17t) average load, upstream emissions	0	0	0	0.0232	0.00697%
Water supply	0	0	0	0.115	0.0346%
Total	224	0.00546	0.00427	333	100%

Summary by Company Unit

Location-Based methodology

Assessment	20	22	2023	
Company Unit	Total Emissions (tCO ₂ e)	Emissions per FTE (tCO ₂ e/FTE)	Total Emissions (tCO ₂ e)	Emissions per FTE (tCO ₂ e/FTE)
Bluestep Bank	243	0.906	334	1.27
Sverige	142	0.783	175	0.946
Stockholm	134	-	175	-
Norway	65	1.07	118	2.07
Oslo	65	-	118	-
Finland	36.2	1.39	41.2	1.87
Helsingfors	36.2	-	41.2	-

Market-Based methodology

Assessment	2022 2023			2022 2023	
Company Unit	Total Emissions (tCO ₂ e)	Emissions per FTE (tCO ₂ e/FTE)	Total Emissions (tCO ₂ e)	Emissions per FTE (tCO ₂ e/FTE)	
Bluestep Bank	245	0.916	333	1.26	
Sverige	145	0.799	175	0.945	
Stockholm	134	-	175	-	
Norway	64.6	1.06	118	2.07	
Oslo	64.6	-	118	-	
Finland	36.2	1.39	40.6	1.85	
Helsingfors	36.2	-	40.6	-	

Annual Activity Data

Source of Emi	issions	Value	Unit
Business Tra	vel		
Air Tra	avel – Global (RFI 1.7)		
	Medium-haul, average	312,070	pass.km
	Short-haul	337,108	pass.km
Bus a	nd coach		
	Average bus	12,330	pass.km
Emplo	oyee owned cars		
	Average car (unknown fuel)	1,773	km
Ferry			
	Ferry, foot passenger	153	pass.km
	Passagerarfärja SL	35.9	pass.km
Hired	cars		
	Average car (unknown fuel)	427	km
Hotel	night stays		
	Hotel night stays	1,059	night
Rail (t	rain, tram, light rail, underground)		
	Intercity/National train	23,433	pass.km
	Swedish rail	24,741	pass.km
Taxi			
	Average taxi	15,122	km
	Average taxi	25,148	pass.km
	Hybrid taxi	2,850	km
	Taxi (Stockholm)	1,667	km
Commuting			
Bus a	nd coach		
	Buss SL	158,686	pass.km
	City bus	84,237	pass.km
Emplo	oyee owned cars		
	Average Bensin Sverige car	71,262	km
	Average MK1 Sverige car	24,289	km
	Average battery electric car (not company owned)	60,910	km
	Average diesel car	6,587	km
	Average hybrid car	103,900	km
	Average petrol car	3,624	km
Ferry			
	Average ferry passenger	3,933	pass.km
Motore	cycle		
	Average petrol motorcycle	3,727	km
Rail (t	rain, tram, light rail, underground)	•	
	,		

	Underground/Subway	579,236	pass.km
Walk 8		0.0,200	pace
	Bicycle	18,046	km
	Electric Bicycle	32,700	km
	Electric Scooter	5,141	km
	On foot	52,887	
Commons Oss	*****	52,007	km
	ned/Leased Vehicles		
Cars			
	Large diesel car	29,484	km
	Large hybrid car	315	km
Office supply			
IT Equ	uipment		
	Computer (excluding use-phase)	98	Units
	Phone (including use phase)	93	Units
	Screen (excluding use-phase)	58	Units
Paper	and printed material		
	Office paper (from Europe)	4,733	kg
	Printed material (from Europe)	6,252	kg
Premises			
Distric	t cooling		
	District cooling (Stockholm Exergi), Stockholm	17,967	kWh
	Helsinki district cooling	9.99	MWh
Distric	t heating		
	District Heating, Stockholm Exergi AB, Stockholm	97,752	kWh
	Helsinki district heating	38.4	MWh
Electri	city consumption		
	Electricity consumption	65,611	kWh
	Electricity consumption (Nordic Market)	122,740	kWh
Home	working		
	Home working day - laptop	26,506	Day
Incine	rated waste treatment		
	Combusted waste, energy recovery	2,222	kg
Landfi	lled waste treatment		
	Landfilled waste, Sweden	70	kg
Recvo	eled waste treatment		-
,	Material recycling (open-loop)	2,371	kg
Road	freight, shared vehicle (tonne.km factors)	_,	· 9
Rodu	Rigid HGV (>17t) average load deliveries	623	tonne.km
Motor	supply	020	tornio.Riii
vvaler		047	m ²
	Water supply	947	m3

Key Observations

In addition to the climate assessment in Our Impacts, Bluestep Bank has carried out a credit portfolio calculation in accordance with "The GHG Global Accounting & Reporting Standard for the Financial Industry". U&We has quality assessed the calculations and verified that the method complies with this standard. The results can be found in Appendix 1.

References

Kell & C0 (2020). https://www.kjell.com/se/produkter/dator/laptop-tillbehor/laptop-laddare.

Apple (2020). MacBook Air (Retina, 13-inch, 2020) - Technical Specifications. https://support.apple.com/kb/SP813?locale=en_US.

Apple product declarations 2020-2021. https://www.apple.com/environment/

Apple product declarations 2021. https://www.apple.com/environment/

BEIS (2023). UK Government conversion factors for greenhouse gas reporting. Department for Business, Energy and Industrial Strategy, London.

CIBSE (2012). Energy Efficiency in Buildings, Guide F. The Chartered Institution of Building Services Engineers.

Client-supplied market-based instrument emission factor

Defra/DECC (2011). Guidelines to Defra/DECC's GHG conversion factors for company reporting. Department of Environment Food and Rural Affairs/Department for Energy and Climate Change, London.

Dell 2019.

https://www.delltechnologies.com/en-us/corporate/social-impact/advancing-sustainability/sustainable-products-and-services/product-carbon-footprints.htm

Department for Business, Energy and Industrial Strategy (2021). 2021 Government GHG Conversion Factors for Company Reporting.

Department for Business, Energy and Industrial Strategy (2023). 2023 Government GHG Conversion Factors for Company Reporting.

Derived from Energimyndigheten "Drivmedel 2022" and Drivkraft Sverige "Energiinnehåll, densitet och koldioxidutsläpp" 2023.

EON (2020). Hur mycket ström drar din hemelektronik? https://www.eon.se/el/guider-tips/hemelektronik.

Ecometrica 2010. Internal Paper Profiles Database.

Email from Fortum Waste Solutions AB (previously SAKAB)

Energi Företagen (2023) Lokala miljävärden 2022. Sweden Available from https://www.energiforetagen.se/statistik/fjarrvarmestatistik/miljovardering-av-fjarrvarme/

Helsingin Energia (2021) Specific emissions of energy:

https://www.helen.fi/en/company/energy/energy-production/specific-emissions-of-energy-production

Helsingin Energia (2023) Specific emissions of energy:

https://www.helen.fi/en/company/energy/energy-production/specific-emissions-of-energy-production

IPCC (2006). Revised IPCC Guidelines for National Greenhouse Gas Inventories: Reference Manual. Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge.

IPCC (2019). Revised IPCC Guidelines for National Greenhouse Gas Inventories: Reference Manual. Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge. (No refinement from 2006)

NTM (2017). NTMCalc Advanced 4.0. Environmental performance report.

Naturvårdsverket (2019). Beräkning av klimatutsläpp från tjänsteresor och övrig bränsleanvändning v. 3

Naturvårdsverket (2020) National reporting on emissions from landfilled waste 2020:

https://www.naturvardsverket.se/data-och-statistik/klimat/vaxthusgaser-utslapp-fran-avfall/ and on volumes landfilled 2020: http://www.statistikdatabasen.scb.se/sq/94696

Paper Profiles (2019). Paper Profiles database. Updated January 2019. Available at: http://www.paperprofile.com/.

SEPA (2022). Emissionsfaktorer och värmevärden, Underlag till Sveriges växthusgasinventering för utsläppsåren 1990-2021 till UNFCCC

SJ (2023). https://www.sj.se/sv/om/om-sj/klimatsmart.html

Stockholm Exergi (2023). Miljövärden för levererad fjärrkyla 2022.

The Swedish Institute for Food and Biotechnology (SIK) (2004). Jämförelse av dricksvatten - översiktlig livscykelanalys (LCA).

Trafikförvaltningen Region Stockholm (2023). Trafikförvaltningens hållbarhetsredovisning 2022. https://www.regionstockholm.se/globalassets/2.-kollektivtrafik/hallbar-utveckling/hallbarhetsredovisning-trafikforvaltningen-2022.pdf

Trafikverket (2023). PM Vägtrafikens utsläpp 2022

Transportation Reserach (2015). M. Weiss et al. On the electrification of road transportation – A review of the environmental, economic, and social performance of electric two-wheelers. Transportation Research Part D 41 (2015) 348–366.

United Nations (2023). UN Statistics Division - 2020 Energy Balance Visualizations. https://unstats.un.org/unsd/energystats/dataPortal/

United Nations (2023). UN Statistics Division - 2030 Energy Balance Visualizations. https://unstats.un.org/unsd/energystats/dataPortal/

WBCSD/WRI (2015). The Greenhouse Gas Protocol. A Coporate Accounting and Reporting Standard.

Assessment Summary for Sverige

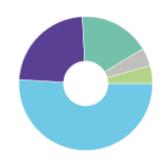
Gross Overall Emissions (location-based): 175 tCO_2e Gross Overall Emissions (market-based): 175 tCO_2e

Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO₂e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
2,197 Floor area (square metres)	0.0797 tCO ₂ e per square metre (Location-Based)
2,396,000 Total Sales (KSEK)	7.31e-5 tCO ₂ e per Total Sales (KSEK) (Location-Based)
11,611 Credit volume (MSEK)	0.0151 tCO ₂ e per Credit volume (MSEK) (Location-Based)
185 Full Time Equivalent Employees	0.946 tCO ₂ e per Full Time Equivalent Employee (Location-Based)
2,197 Floor area (square metres)	0.0796 tCO ₂ e per square metre (Market-Based)
2,396,000 Total Sales (KSEK)	7.3e-5 tCO ₂ e per Total Sales (KSEK) (Market-Based)
11,611 Credit volume (MSEK)	0.0151 tCO ₂ e per Credit volume (MSEK) (Market-Based)
185 Full Time Equivalent Employees	0.945 tCO ₂ e per Full Time Equivalent Employee (Market-Based)

Summary by Activity (Location-Based, tCO2e)



By Activity	tCO ₂ e/year	%
Business Travel	89.2	50.9
Office supply	40.7	23.2
Commuting	30	17.2
Company-Owned/Leased Vehicles	7.71	4.41
Premises	7.46	4.26
Total	175	100

Summary by Activity (Market-Based, tCO₂e)



By Activity	tCO ₂ e/year	%
Business Travel	89.2	51
Office supply	40.7	23.3
Commuting	30	17.2
Company-Owned/Leased Vehicles	7.71	4.41
Premises	7.26	4.15
Total	175	100

Summary by WBCSD/WRI Scope (Location-Based, tCO2e)



By Activity		tCO ₂ e/year	%
Scope 1		6.2	3.54
Scope 2		6.4	3.66
Scope 3		162	92.8
	Total	175	100

Summary by WBCSD/WRI Scope (Market-Based, tCO_2 e)



By Activity		tCO ₂ e/year	%
Scope 1		6.2	3.54
Scope 2		5.36	3.07
Scope 3		163	93.4
	Total	175	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	106	106	105	105
CH ₄	28	0.00254	0.071	0.00228	0.0637
N ₂ O	265	0.00197	0.522	0.00193	0.512
Biogenic CO ₂	0	1.65	0	1.65	0
CO ₂ e	1	68.2	68.2	69.2	69.2
		Total	175		175

Summary of Scope 2 Market-Based Method for Sverige

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions



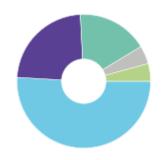


Emission Factor Type	Ene	rgy	Market-Based	d Emissions
,	MWh	%	tCO ₂ e	%
Client-supplied market-based instrument	123	51.5	0.0465	0.866
Residual mix factors	0	0	0	0
Default location-based factors	116	48.5	5.32	99.1
Total	238	100	5.36	100

Assessment Summary for Stockholm

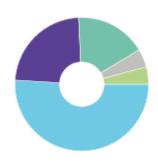
Gross Overall Emissions (location-based): 175 tCO_2e Gross Overall Emissions (market-based): 175 tCO_2e

Summary by Activity (Location-Based, tCO₂e)



By Activity	tCO ₂ e/year	%
Business Travel	89.2	50.9
Office supply	40.7	23.2
Commuting	30	17.2
Company-Owned/Leased Vehicles	7.71	4.41
Premises	7.46	4.26
Total	175	100

Summary by Activity (Market-Based, tCO₂e)



В	y Activity	tCO ₂ e/year	%
	Business Travel	89.2	51
	Office supply	40.7	23.3
	Commuting	30	17.2
	Company-Owned/Leased Vehicles	7.71	4.41
	Premises	7.26	4.15
	Total	175	100

Summary by WBCSD/WRI Scope (Location-Based, tCO2e)



By Activity		tCO ₂ e/year	%
Scope 1		6.2	3.54
Scope 2		6.4	3.66
Scope 3		162	92.8
	Total	175	100

Summary by WBCSD/WRI Scope (Market-Based, tCO2e)



By Activity		tCO ₂ e/year	%
Scope 1		6.2	3.54
Scope 2		5.36	3.07
Scope 3		163	93.4
	Total	175	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	106	106	105	105
CH ₄	28	0.00254	0.071	0.00228	0.0637
N ₂ O	265	0.00197	0.522	0.00193	0.512
Biogenic CO ₂	0	1.65	0	1.65	0
CO ₂ e	1	68.2	68.2	69.2	69.2
		Total	175		175

Summary of Scope 2 Market-Based Method for Stockholm

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions





Emission Factor Type	Ene	rgy	Market-Base	d Emissions
,,	MWh	%	tCO ₂ e	%
Client-supplied market-based instrument	123	51.5	0.0465	0.866
Residual mix factors	0	0	0	0
Default location-based factors	116	48.5	5.32	99.1
Total	238	100	5.36	100

Assessment Summary for Norway

Gross Overall Emissions (location-based): 118 tCO_2e Gross Overall Emissions (market-based): 118 tCO_2e

Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO₂e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
57 Full Time Equivalent Employees	2.07 tCO ₂ e per Full Time Equivalent Employee (Location-Based)
503 Floor area (square metres)	0.235 tCO ₂ e per square metre (Location-Based)
3,555,000 Total Sales (KSEK)	3.32e-5 tCO ₂ e per Total Sales (KSEK) (Location-Based)
9,092 Credit volume (MSEK)	0.013 tCO ₂ e per Credit volume (MSEK) (Location-Based)
57 Full Time Equivalent Employees	2.07 tCO ₂ e per Full Time Equivalent Employee (Market-Based)
503 Floor area (square metres)	0.234 tCO ₂ e per square metre (Market-Based)
3,555,000 Total Sales (KSEK)	3.32e-5 tCO ₂ e per Total Sales (KSEK) (Market-Based)
9,092 Credit volume (MSEK)	0.013 tCO ₂ e per Credit volume (MSEK) (Market-Based)

Summary by Activity (Location-Based, tCO2e)



By Activity	tCO ₂ e/year	%
Business Travel	82.4	69.8
Commuting	19.3	16.3
Office supply	15.8	13.4
Premises	0.595	0.504
Total	118	100

Summary by Activity (Market-Based, tCO₂e)



By Activity	tCO ₂ e/year	%
Business Travel	82.4	69.9
Commuting	19.3	16.3
Office supply	15.8	13.4
Premises	0.503	0.426
 Total	118	100

Summary by WBCSD/WRI Scope (Location-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
Scope 2		0.328	0.277
Scope 3		118	99.7
	Total	118	100

Summary by WBCSD/WRI Scope (Market-Based, tCO_2 e)



By Activity		tCO ₂ e/year	%
Scope 2		0.0023	0.00195
Scope 3		118	100
	Total	118	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	88.2	88.2	87.8	87.8
CH ₄	28	0.00217	0.0608	0.00213	0.0597
N ₂ O	265	0.00188	0.498	0.00187	0.496
CO ₂ e	1	29.3	29.3	29.6	29.6
		Total	118		118

Summary of Scope 2 Market-Based Method for Norway

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions





Emission Factor Type	Energy		Market-Based Emissions		
,	MWh	%	tCO ₂ e	%	
Client-supplied market-based instrument	60.2	100	0.0023	100	
Residual mix factors	0	0	0	0	
Default location-based factors	0	0	0	0	
Total	60.2	100	0.0023	100	

Assessment Summary for Oslo

Gross Overall Emissions (location-based): 118 tCO₂e Gross Overall Emissions (market-based): 118 tCO₂e

Summary by Activity (Location-Based, tCO₂e)



By Activity	tCO ₂ e/year	%
Business Travel	82.4	69.8
Commuting	19.3	16.3
Office supply	15.8	13.4
Premises	0.595	0.504
Total	118	100

Summary by Activity (Market-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
Business Travel		82.4	69.9
Commuting		19.3	16.3
Office supply		15.8	13.4
Premises		0.503	0.426
	Total	118	100

Summary by WBCSD/WRI Scope (Location-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
Scope 2		0.328	0.277
Scope 3		118	99.7
	Total	118	100

Summary by WBCSD/WRI Scope (Market-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
Scope 2		0.0023	0.00195
Scope 3		118	100
	Total	118	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	88.2	88.2	87.8	87.8
CH ₄	28	0.00217	0.0608	0.00213	0.0597
N ₂ O	265	0.00188	0.498	0.00187	0.496
CO ₂ e	1	29.3	29.3	29.6	29.6
		Total	118		118

Summary of Scope 2 Market-Based Method for Oslo

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions





Emission Factor Type	Energy		Market-Based Emissions	
,	MWh	%	tCO ₂ e	%
Client-supplied market-based instrument	60.2	100	0.0023	100
Residual mix factors	0	0	0	0
Default location-based factors	0	0	0	0
Total	60.2	100	0.0023	100

Assessment Summary for Finland

Gross Overall Emissions (location-based): $41.2 \text{ tCO}_2\text{e}$ Gross Overall Emissions (market-based): $40.6 \text{ tCO}_2\text{e}$

Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO₂e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
414 Floor area (square metres)	0.0995 tCO ₂ e per square metre (Location-Based)
392,000 Total Sales (KSEK)	1.05e-4 tCO $_{2}$ e per Total Sales (KSEK) (Location-Based)
752 Credit volume (MSEK)	0.0548 tCO ₂ e per Credit volume (MSEK) (Location-Based)
22 Full Time Equivalent Employees	1.87 tCO ₂ e per Full Time Equivalent Employee (Location-Based)
414 Floor area (square metres)	0.0982 tCO ₂ e per square metre (Market-Based)
392,000 Total Sales (KSEK)	1.04e-4 tCO ₂ e per Total Sales (KSEK) (Market-Based)
752 Credit volume (MSEK)	0.054 tCO ₂ e per Credit volume (MSEK) (Market-Based)
22 Full Time Equivalent Employees	1.85 tCO ₂ e per Full Time Equivalent Employee (Market-Based)

Summary by Activity (Location-Based, tCO2e)



By Activity			tCO ₂ e/year	%
	Business Travel		17.2	41.6
	Premises		9.33	22.6
	Commuting		8.9	21.6
	Office supply		5.81	14.1
	٦	Total	41.2	100

Summary by Activity (Market-Based, tCO₂e)



By Activity	tCO ₂ e/year	%
Business Travel	17.2	42.2
Commuting	8.9	21.9
Premises	8.78	21.6
Office supply	5.81	14.3
Total	40.6	100

Summary by WBCSD/WRI Scope (Location-Based, tCO2e)



By Activity		tCO ₂ e/year	%
Scope 2		8.96	21.8
Scope 3		32.2	78.2
	Total	41.2	100

Summary by WBCSD/WRI Scope (Market-Based, tCO_2 e)



By Activity		tCO ₂ e/year	%
Scope 2		8.55	21
Scope 3		32.1	79
	Total	40.6	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	31.3	31.3	30.8	30.8
CH ₄	28	0.00107	0.0301	0.00106	0.0296
N ₂ O	265	4.66e-4	0.123	4.6e-4	0.122
Biogenic CO ₂	0	0.249	0	0.249	0
CO ₂ e	1	9.79	9.79	9.66	9.66
		Total	41.2		40.6

Summary of Scope 2 Market-Based Method for Finland

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions





Emission Factor Type	Energy		Market-Based Emissions	
,	MWh	%	tCO ₂ e	%
Client-supplied market-based instrument	5.45	10.1	0.00229	0.0268
Residual mix factors	0	0	0	0
Default location-based factors	48.3	89.9	8.55	100
Total	53.8	100	8.55	100

Assessment Summary for Helsingfors

Gross Overall Emissions (location-based): 41.2 tCO_2e Gross Overall Emissions (market-based): 40.6 tCO_2e

Summary by Activity (Location-Based, tCO₂e)



By Activity	tCO ₂ e/year	%
Business Travel	17.2	41.6
Premises	9.33	22.6
Commuting	8.9	21.6
Office supply	5.81	14.1
Total	41.2	100

Summary by Activity (Market-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
	Business Travel	17.2	42.2
	Commuting	8.9	21.9
	Premises	8.78	21.6
	Office supply	5.81	14.3
	То	tal 40.6	100

Summary by WBCSD/WRI Scope (Location-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
Scope 2		8.96	21.8
Scope 3		32.2	78.2
	Total	41.2	100

Summary by WBCSD/WRI Scope (Market-Based, tCO₂e)



By Activity		tCO ₂ e/year	%
Scope 2		8.55	21
Scope 3		32.1	79
	Total	40.6	100

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO ₂ e/year (Location-Based)	tGHG/year (Market-Based)	tCO ₂ e/year (Market-Based)
CO ₂	1	31.3	31.3	30.8	30.8
CH ₄	28	0.00107	0.0301	0.00106	0.0296
N ₂ O	265	4.66e-4	0.123	4.6e-4	0.122
Biogenic CO ₂	0	0.249	0	0.249	0
$\mathrm{CO}_2\mathrm{e}$	1	9.79	9.79	9.66	9.66
		Total	41.2		40.6

Summary of Scope 2 Market-Based Method for Helsingfors

Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy

Scope 2 Market-Based Emissions





Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO ₂ e	%
Client-supplied market-based instrument	5.45	10.1	0.00229	0.0268
Residual mix factors	0	0	0	0
Default location-based factors	48.3	89.9	8.55	100
Total	53.8	100	8.55	100

Appendix 1 – Result credit portfolio calculation (Scope 3)

Market-based, CO_{2e} ton

	Total		
	Apartments	Houses	Total
Total	22 842	118 724	141 566
Per MSEK	-	-	6,60
Per employee	-	-	536,2
Per squaremeter	0,072	0,120	0,056

	Sweden		
	Apartments	Houses	Total
Total	11 644	47 948	59 592
Per MSEK	-	-	5,13
Per employee	-	-	322,1
Per squaremeter	0,187	0,060	0,046

	Norway		
	Apartments	Houses	Total
Total	5 599	64 616	70 215
Per MSEK	-	-	7,72
Per employee	-	-	1 231,8
Per squaremeter	0,567	0,075	0,066

	Finland		
	Apartments	Houses	Total
Total	5 599	6 160	11 759
Per MSEK	-	-	16
Per employee	-	-	535
Per squaremeter	0,403	0,086	0,071

Location-based, CO_{2e} ton

	Total		
	Apartments	Houses	Total
Total	610	3 978	4 588
Per MSEK	-	-	0,21
Per employee	-	-	17,4
Per squaremeter	0,014	0,005	0,002

	Sweden		
	Apartments	Houses	Total
Total	299	1 232	1 532
Per MSEK	-	-	0,13
Per employee	-	-	8,3
Per squaremeter	0,005	0,002	0,001

	Norway		
	Apartments	Houses	Total
Total	105	1 212	1 317
Per MSEK	-	-	0,14
Per employee	-	-	23,1
Per squaremeter	0,011	0,001	0,001

	Finland		
	Apartments	Houses	Total
Total	206	1 533	1 739
Per MSEK	-	-	2
Per employee	-	-	79
Per squaremeter	0,060	0,013	0,011