



## 2016 NIBC Environment Supplement

### Highlights

- NIBC was Carbon Neutral in its own operations in 2016 and has been since 2010.
- 100% of electricity consumed by NIBC is responsibly sourced.
- 92% of waste from NIBC during 2016 was recycled or reused.
- Use of paper at our headquarters in the Hague has decreased by 61% since 2012.

### Indicators

<b>NIBC The Hague</b>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Building energy label	B	B	B
<b>Electricity (kWh)</b>	2,547,842	1,977,719	1,745,011
Type	Wind	Wind	Wind
% renewable electricity	100%	100%	100%
<b>Heating/cooling</b>			
Gas (m3)	150,176	15,110	24,307
<b>Water (m3)</b>	6,198	15,110	n/r
% recycled or reused	n/r	n/r	n/r
<b>Paper</b>			
Recycled & FSC certified paper (kg)	7,467	11,310	-
Other paper (kg)	-	-	18,185
Total	7,467	11,310	18,185
% from responsible sources	100%	100%	0%
Paper Intensity (kg per FTE)	15.33	22.67	37.11
<b>Transport</b>			
- % of electric or hybrid cars	19%	19%	19%
- CO2 emissions car travel (tonnes)	339.96	366	558
- CO2 emissions air travel (tonnes)	708.5	484	570
<b>NIBC The Hague CO2 emissions (tonnes)</b>	1345.63	959	1,348
<b>Waste &amp; Recycling</b>			
Total Waste collected	108,828	n/r	n/r
<b>Recycled or reused by Type</b>			
Paper	50,140	n/r	n/r
Plastic	3,724	n/r	n/r
Glass	840	n/r	n/r
Metal	-	n/r	n/r
Other	45,298	n/r	n/r
Total Recycled	100,002	n/r	n/r
% of waste recycled or reused	92%	n/r	n/r
Waste Intensity (kg per FTE)	223.40	n/r	n/r
<b># FTE's (NIBC The Hague)</b>	<b>487</b>	499	490



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### Intensity (NIBC the Hague)

#### Energy

Electricity per FTE	5,230.10	3,963.36	3,561.25
Gas per FTE	308.27	30.28	49.61

#### Emissions

CO2 emissions per fte (tonnes)	2.76	1.92	2.75
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#### Other Resources

Water use per FTE (in m3)	12.72	30.28	-
Paper use per FTE (in kg)	15.33	22.67	37.11

#### Waste

Total Waste per FTE (in kg)	223.40	-	-
Recycled waste per FTE (in kg)	205.28	-	-

\* Increase of gas use in 2015 due to issues with NIBC's thermal energy (WKO) system

\*\* Since 2015, paper is 100% responsibly sourced - recycled or FSC certified

NIBC other offices*	2016	2015	2014
NIBC other offices CO2 emissions (tonnes)	444.4	500.02	517

\* Since 2013 the carbon footprint for NIBC's other offices is calculated based on estimates (number of FTEs)

	2016	2015	2014
Total direct CO2 emissions (tonnes)	1,790	1,459	1,864
- Direct emissions compared to prior year	+ 23%	- 22%	+ 4%
CO2 emissions compensated	100%	100%	100%
Net CO2 emissions	0	0	0
# FTE's	704	644	637
Total CO2 emissions per FTE (tonnes)	2.57	2.26	2.93
Net CO2 emissions per FTE after offsets	0	0	0

	2016	2015	2014
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### Emissions NIBC the Hague

#### Scope 1

Business Travel	340.0	366.4	557.6
Electricity	-	-	26.2
Heat	282.9	28.5	44.4
<b>Total</b>	<b>622.9</b>	<b>394.9</b>	<b>628.2</b>

#### Scope 2

Air Travel	708.5	484.3	569.8
<b>Total</b>	<b>708.5</b>	<b>484.3</b>	<b>569.8</b>

#### Scope 3

Public Transport	6.0	65.9	121.3
Paper	8.2	13.5	28.4
<b>Total</b>	<b>14.2</b>	<b>79.4</b>	<b>149.7</b>

<b>Total NIBC The Hague</b>	<b>1,345.6</b>	<b>958.6</b>	<b>1,347.7</b>
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#### Other offices

Amsterdam	21.8	-	-
Frankfurt	354.3	418.1	414.0
London	45.7	48.9	46.2
Brussels	22.7	33.1	56.7
<b>Total Other Offices</b>	<b>444.4</b>	<b>500.0</b>	<b>516.8</b>

<b>Total Emissions NIBC</b>	<b>1,790.02</b>	<b>1,458.63</b>	<b>1,864.50</b>
change from prior year	23%	-22%	9%

<u>NIBC emissions intensity (tonnes per FTE)</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
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The Hague	2.8	1.9	2.8
Amsterdam	0.5	0.0	0.0
Frankfurt	4.1	4.1	4.1
London	1.3	1.4	1.4
Brussels	4.5	4.7	4.7

Avg Intensity per FTE	2.57	2.26	2.93
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#### Notes:

Increase in emissions from 2015 to 2016 is primarily due to NIBC's geothermal system at its offices in the Hague. Technical issues with the system resulted in higher use of traditional energy sources than in previous years.

Figures for the Hague (excluding FTEs, business travel, and public transport) include NIBC's commercial tenants and civil society organizations located in the NIBC NGO Boulevard.



## 2016 Environmental Management Data by Location

	<u>Total</u>	<u>The Hague</u>	<u>Amsterdam</u>	<u>Frankfurt</u>	<u>London</u>	<u>Brussels</u>
<b>FTEs</b>	704	487	91	87	35	5
Facility Energy Label	mix	B	n/r	Leed Platinum	C (72)	n/r
<b>Electricity (kWh)</b>	3,287,791	2,547,842	184,866	258,634	258,000	38,450
Type	mix	wind	mix	mix	mix	mix
% renewable electricity	100%	100%	100%	100%	100%	100%
<b>Heating/cooling</b>						
Gas (m3)	160,803	150,176	10,627	n/r	n/r	n/r
<b>Water (m3)</b>	7,234	6,198	469	524	43	n/r
Source	municipal mains	municipal mains	municipal mains	municipal mains	municipal mains	municipal mains
% recycled or reused	n/a	n/r	n/r	n/r	n/r	n/r
<b>Paper</b>						
Recycled & FSC certified paper (kg)	8,670	7,467	-	334	819	50
Other paper (kg)	1,600	-	1,600	-	-	-
Total	10,270	7,467	1,600	334	819	50
% from responsible sources	84%	100%	0%	100%	100%	100%
<b>Materials, Recycling &amp; Waste</b>						
Total Waste collected	114,021	108,828	n/r	5,193	n/r	n/r
<b>Materials recycled or reused</b>						
Paper	55,065	50,140	n/r	3,888	837	200
Plastic	3,724	3,724	n/r	n/r	n/r	-
Glass	848	840	n/r	n/r	n/r	8
Metal	7		n/r	n/r	n/r	7
Other	45,298	45,298	n/r	n/r	n/r	n/r
Total Recycled	104,942	100,002	-	3,888	837	215
% of waste recycled or reused	92%	92%	n/a	75%	n/a	n/a

tbc = to be confirmed, pending calculation

n/r = not reported

n/a = not available

### Notes:

Figures the Hague include commercial tenants of NIBC and civil society organizations operating within the NIBC NGO Boulevard. Figures for Amsterdam cover the second half of 2016 only, reflecting the acquisition by NIBC of NIBC Markets (SNS Securities)