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EXECUTIVE SUMMARY

The purpose of this dedicated annual report for 2016 is defined in article 29 of the order of 30 November 2006 on the promotion of electricity generated from renewable energy sources:

« Art. 29. By 30 April, the CWaPE shall establish a dedicated annual report covering developments in the market for guarantee of origin labels and the market for GCs. This report shall mention, inter alia, the number of GCs granted by technology and energy source over the course of the year under consideration, the GCs transmitted to the CWaPE in accordance with article 25, the average price of a GC as well as the administrative fines imposed on system operators and suppliers for failing to fulfil quotas.

The report shall also mention the number of guarantee of origin labels granted by technology and by energy source over the course of the year under consideration, the guarantee of origin labels transmitted to the CWaPE, the average price of guarantee of origin labels, as well as the number of guarantee of origin labels exported to and imported from other regions or countries.

This report shall be sent to the Walloon Government".

The CWaPE would like to specify that it has always been agreed with the different Energy Ministries that this report would be submitted on 30 June of each year, because the data necessary for drafting it is not available until the 2nd quarter of the following year.

The first part of the report contains a reminder of the development objectives for green electricity in Wallonia and a detailed description of the mechanisms for the promotion of green electricity. The main legislative changes that occurred during 2016 are also presented.

The second part of the report provides an assessment of 2016. This assessment comprises three components:

- statistics relating to the generation of green electricity in Wallonia;
- statistics relating to the green certificate (GC) market;
- the application of GC quotas to suppliers and distribution system operators (DSO) taking account of the reductions to be applied to electricity-intensive end customers (branch agreements), the cancellation of GCs by suppliers and DSOs for the purpose of fulfilling their GC return obligation in Wallonia and, where applicable, the fines imposed by the CWaPE on suppliers and DSOs for non-compliance with this quota obligation.

Data relating to the guarantee of origin labels (GOL) market is included in Chapter 6.

Chapter 7 focuses on the prospects for development of the GC market for the period 2017-2024.

The whole report is based on the data determined by the CWaPE as at 31 December 2016.

In 2016, green electricity generation facilities increased by 97 MW compared to the situation at the end of 2015, with a total installed capacity at the end of 2016 of 2,169 MW. Wind power became the main driver behind this growth.

Green electricity generation increased by 4 % compared to 2015 and amounted to 5,228 GWh, including 4,054 GWh of renewable electricity. Approximately 23 % of the green electricity generated in 2016 was provided by the biomass and fossil cogeneration sectors (*OPEX-driven technologies*), the rate of return of which remains dependent not only on the support mechanism but also on market fluctuations (prices of the electricity generated and of the fuels used). Wind power accounted for 33 % of the green electricity generated, the photovoltaic solar power sector for 39 % and the hydropower sector for 5 % (*CAPEX-driven technologies*).

The average level of support for green electricity was EUR 110.50/MWh, which is a slight decrease compared to 2015. Over 78 % of the green electricity generated in 2016 benefited from a level of support under EUR 100/MWh. Overall, the support granted to green electricity generation in 2016 is estimated at EUR 570 million, of which 52 % for photovoltaic power, 28.3 % for the biomass sectors, 16.8 % for wind power, 1.1 % for fossil cogeneration and 1.8 % for hydropower.

As regards the GC market, over 8,487,000 GC were granted. In terms of GC sales, the CWaPE recorded a volume of over 9,100,000 GC, with 4,275,000 GC coming from SOLWATT installations. Some 60 % of sales were within the market, with the remainder having been sold to Elia at the guaranteed price of EUR 65/GC. The overall average price (market and guaranteed price) stabilised at around EUR 66/GC in 2016. For SOLWATT producers, approximately 3,167,000 GCs were sold at a price of EUR 65, 57,000 at a price below EUR 65 and 1,051,000 at a price above EUR 65. For installations generating more than 10 kW, in over 4,332,000 cases the selling price was above EUR 65/GC.

As in previous years, the number of GCs available in the market exceeded the number of GCs to be returned to the CWaPE by suppliers and system operators. The required number of GCs was returned and no fines had to be levied. Quota reductions were applied for the supplies of 224 entities with a branch agreement. In total, this represents a reduction in expenses for the companies estimated at EUR 100,964,000 over the year.

As regards the outlook for the GC market, the conclusions remain identical to those in the 2014 and 2015 reports: the analyses carried out by the CWaPE¹ show that the calling of the guarantee for the purchase of Walloon GCs by Elia now no longer serves as a safety net (original objective of the measure) but has become a source of financing that is an integral part of the support mechanism for the development of green electricity in Wallonia in the same way as GC quotas when the volumes involved are considered. This situation therefore resulted in a series of additional measures that the Walloon Government decided to put in place in order to maintain a constant level of Elia surcharge for the electricity consumer in coming years.

The market, initially driven by the simple operation of supply (granting of GC) and demand (GC quota) is distorted and cannot naturally return to balance over the 2017-2024 period. Furthermore, the forecasts relating to the collection base for quotas show a decline between 2016 and 2024. The same applies to the collection base for the Walloon GC surcharge collected by the local transmission system operator, Elia.

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Based on the legislative framework currently in effect, kept constant for the analysis and carried out on the basis of data that may include certain uncertainties and approximations that the CWaPE cannot reasonably be expected to detect. The forecasts are based on the best possible estimates, but they must be considered in light of differences that may potentially be observed regarding the actual data that will ultimately be recorded.

GREEN ELECTRICITY SUPPORT MECHANISM APPLICABLE IN 2016

Pursuant to European Directives 2009/28/EC (previously 2001/77/EC) and 2012/27/EC, a mechanism to support the generation of electricity from renewable energy sources and high-quality cogeneration has been in place in Wallonia since 1 January 2003.

As in Flanders and Brussels, Wallonia has opted for a GC mechanism, which is managed by the CWaPE.

With regard to the development of electricity generated from renewable energy sources (RES-E), the mechanism established in Wallonia initially proved to be particularly effective insofar as the indicative target of 8% by 2010 had already been achieved by 2008. It then had a period of stabilisation before an unchecked increase in 2011 and 2012 due to a sky-rocketing number of new photovoltaic units with a capacity below or equal to 10 kW. This situation led to a growing imbalance in the GC market. Alternative mechanisms for the promotion of green electricity and the control of the volumes of GC granted were defined by the Walloon Government and launched in 2014. However, a GC financing deficit from the Elia GC surcharge that has remained constant since 2013 was recorded. In response to this issue, during its 20 October 2016 session, the Walloon Government defined the principle for putting in place a deferral operation. These mechanisms are described in the context of this report.

Today, three financing systems make up the green electricity support mechanism, in the form of support for generation:

- The GC quota system applicable to the electricity supply volume;
- The system for the guaranteed purchase of GCs from producers by the local transmission system operator, Elia, which has gained significant momentum since 2012;
- The QUALIWATT system, which consists of an incentive granted by distribution system operators (DSO) to photovoltaic installations with a capacity below or equal to 10 kW.

2.1. Development objectives for green electricity in Wallonia

European Directive 2009/28/EC assigns Belgium a binding target of generating 13 % of its final energy consumption by means of renewable energy sources by 2020. The European Commission launched a public stakeholder consultation relating to the assessment of the renewable energy directive with a view to presenting a new directive on renewable energy at the end of 2016 for the 2020-2030 period. This new directive will include the targets debated at the COP21. The foundation of the EU's contribution within the 2030 Climate and Energy Framework, approved in 2014 by the European Council, is structured around the following points:

- GHG emissions: ≤ 40% (compared to 1990 levels);
- Renewable energy: ≥ 27%;
- Energy efficiency: ≥ 27% (revision by 2020 to achieve 30%).

Note that the targets, defined by the Walloon Government in its decisions of 24 April 2015 and 24 September 2015, can be summarised as follows:

TABLE 1 BREAKDOWN OF RENEWABLE ENERGY SOURCES BY 2030

RES target (GWh) in Wallonia 2020 2030 Renewable electricity generation 5554 9180 Renewable heat production 8701 12,226 Share of renewable energy in transport 2100 2593 RES total 16,355 23,999 Final consumption (GWh) 120,000 120,000 % of final consumption (excluding offshore wind power) 13.63% 20.00%

However, the achievement of these ambitious targets by 2020 remains dependent on the willingness of investors within a legislative framework that is clearer today.

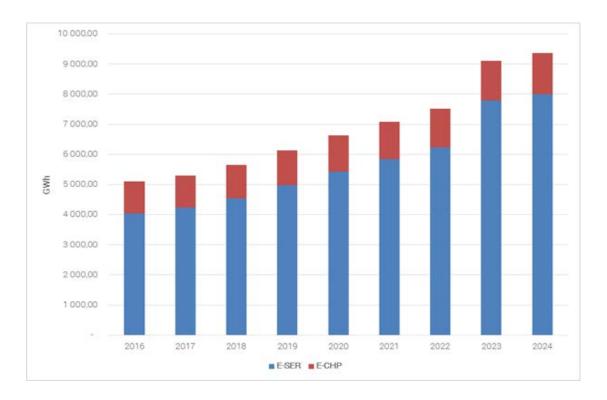
The table below shows additional reserved electricity production per year until 2024 by sector.

TABLE 2 RESERVED ADDITIONAL ANNUAL ELECTRICITY GENERATION IN WALLONIA

GWh	2016	2017	2018	2019	2020	2021	2022	2023	2024
Hydropower	14	14	14	10	8	8	8	6	6
Wind	310	311	311	311	311	134	134	134	134
Photovoltaic > 10 kW	41	26	26	26	26	23	23	23	23
Geothermal energy	0	0	0	0	0	5	5	5	5
Biogas	27	35	35	26	21	12	10	9	9
Biomass	61	61	61	44	30	30	30	30	30
Biomass (P > 20 MW)	0	0	0	0	0	1344	0	0	0
TOTAL RES ELECTRICITY	453	447	447	417	396	1556	210	207	207
Fossil cogeneration	75	40	40	40	40	40	40	40	40
TOTAL GREEN ELECTRICITY	528	487	487	457	436	1596	250	247	247

The graph below shows cumulative electricity production per year until 2024 by sector. It is obtained from the actual production measured as at 31 December 2016 and additional reserved electricity production per year until 2024 by sector.

FIGURE 1 PROJECTION OF CUMULATIVE ELECTRICITY GENERATION IN WALLONIA



2.2. Operating principles of the GC mechanism

The diagram below sets out the operating principle of the support for green electricity generation based on GCs. It refers to the first two systems mentioned in section 2, which are then detailed step-by-step.

FIGURE 2 GREEN ELECTRICITY PROMOTION VIA THE GREEN CERTIFICATE MECHANISM SALE GC PURCHASE GUARANTEE PSO guaranteed price RETURN TO THE MARKET GC - TSO MISSION PSO QUOTA GREEN **PURCHASE** SALE FINE Suppliers TSO **CERTIFICATE** (RES-COGEN) Certified **MARKET GRANTING OF GC** GC RETURN GC CANCELLATION - LTSO MISSION ACCORDING TO QUOTA CWaPE End-customers

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Granting of GCs

GCs are granted by the CWaPE on a quarterly basis to every producer of green-certified electricity in proportion to the net quantity of electricity generated and according to, on the one hand, the estimated extra cost associated with generation in the sector and, on the other hand, the measured environmental performance (amount of CO_2 saved) of the installation in comparison with benchmark standard electricity generation. It should be noted that, since 1 March 2014, new photovoltaic installations with a capacity below or equal to 10 kW are subject to the QUALIWATT scheme and may no longer claim GCs.

Sale of GC by producers and purchase by suppliers or by the (local) transmission operator

The GCs granted to producers may be sold, by the producers, during their period of validity set at 5 years, to suppliers or distribution system operators to enable them to fulfil their GC return obligations. If they are unable to find a buyer, producers may also invoke, subject to certain conditions, the obligation of the local transmission system operator (LTSO), Elia, to purchase at the guaranteed minimum price of EUR 65/GC.

Provisions for a guaranteed price have also been made by the Federal Government². These GCs purchased by the Transmission System Operator (TSO), which is also Elia, may be resold on the GC market.

Return of the annual GC quota by suppliers and distribution system operators and evolution

Every quarter, the volumes of electricity in Wallonia reported by suppliers and distribution system operators are sent to the CWaPE. Based on this information, they are required to return³ to the CWaPE a quota of GC proportional to the quantity of electricity supplied over the quarter⁴ (see point 2.2.3.2.). A fine of EUR 100 per missing green certificate is applied.

The quota applicable to electricity supply is set by the Walloon Government for each year.

In 2016, the quota was fixed at 32.40 % of the volume of electricity supplied in Wallonia. The quotas for the period 2016-2024 were established by the Walloon Government on 26 November 2015⁵. The graph below illustrates the change in quotas over the period 2003-2024.

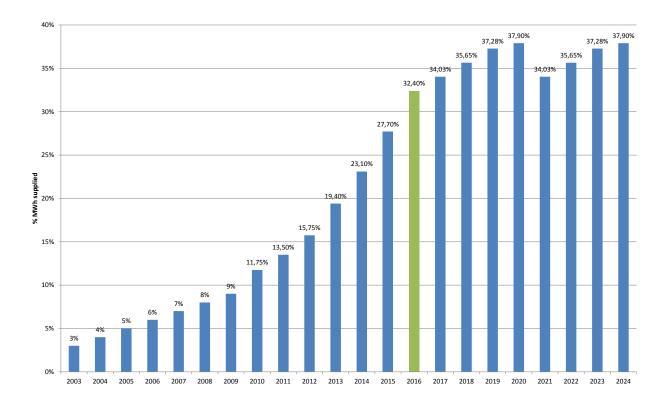
² The Royal Decree of 21 December 2012 amending the royal decree dated 16 July 2002 limits this federal GC purchase guarantee to the offshore wind power sector, solar photovoltaic installations commissioned before 1 August 2012 and installations generating electricity from water or tides.

³ As a result of this operation, the GCs are cancelled and rendered unusable in the database.

⁴ A quota reduction may be granted for certain end customers subject to certain conditions (order of the Walloon Government of 30 November 2006, art. 25(5)) – see 2.5.3.

⁵ Order of the Walloon Government of 26 November 2015 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

FIGURE 3 CHANGES IN NOMINAL QUOTAS FOR GC OVER THE PERIOD 2003-2024



Funding by Walloon consumers

The funding of this support mechanism is provided by public service obligations applied to end consumers' bills (see point 2.2.3.5.). With respect to quotas, this public service obligation (PSO) is incumbent on electricity suppliers and distribution system operators. The PSO relating to the GC purchase guarantee is incumbent upon the local transmission system operator and transmission system operator, Elia.

Nevertheless, energy-intensive users benefit from partial reductions of the GC quota collected by suppliers, subject to entering into agreements with the Region (branch agreements), in order to improve their energy efficiency over the short, medium and long term.

Since 2013, the cost of the public service obligation relating to the regional GC purchase obligation amounts to EUR 13.82/MWh (estimate calculated using the straight line method on the electricity drawn by end customers connected at a voltage level below or equal to 70 kV). Certain end customers may also benefit from partial reductions under certain conditions defined in the decree of 12 December 2014 amending the decree of 12 April 2001 on the organisation of the regional electricity market with a view to organising the external financing of GCs.

2.2.1. Definitions and rules in effect for the generation of green electricity⁶

These definitions are set out in the decree of 12 April 2001 on the organisation of the regional electricity market, mainly articles 2 and 38.

Renewable energy source. any source of energy, other than fossil fuels and fissile material, the consumption of which does not limit its future use, in particular hydropower, wind energy, solar energy, geothermal energy and biomass (art. 2, 4°).

*Biomass*⁷: renewable material (in solid, liquid or gaseous form) obtained from the biodegradable fraction of products, waste and residue from agriculture (including plant and animal substances), forestry and related industries, as well as from the biodegradable fraction of industrial and domestic waste (art. 2, 4°bis).

Cogeneration: simultaneous generation, in a single process, of thermal and electrical and/or mechanical energy (art. 2, 2°bis).

High-quality cogeneration and trigeneration. high-quality cogeneration and trigeneration: combined generation of heat (or cold) and electricity, designed in accordance with the customer's heating or cooling requirements, which saves energy compared to the separate generation of the same quantities of heat, electricity and, where applicable, cold, in modern reference installations, the annual operating efficiency of which is defined and published on an annual basis by the CWaPE (art. 2, 3°).

Green electricity: electricity generated by means of renewable energy sources or high-quality cogeneration, the generation sector of which produces a *minimum carbon dioxide savings rate of 10%* compared to the carbon dioxide emissions, defined and published on an annual basis by the CWaPE, from standard generation in modern reference installations (art. 2, 5°).

Green certificate: transferable instrument granted by the CWaPE to producers of green electricity for a net quantity of kWh generated corresponding to 1 MWhe divided by the carbon dioxide savings rate (art. 38(2) and (7)). By way of derogation, the Walloon Government may, after the CWaPE has issued an opinion, apply a multiplier coefficient, where applicable scaled downwards over time, to the number of GCs granted for electricity generated by means of photovoltaic solar panels, in accordance with the procedures it sets out (art. 38(6)). Since 2014, the Walloon Government may, after the CWaPE has issued an opinion, for the installations that it determines, adjust the number of GCs granted upwards or downwards based on the age of the installation generating the green electricity, its rate of return and the generation sector to which it belongs.

The granting rate resulting from this adjustment may not exceed a ceiling of 2.5 GC per MWh.

The Government sets a maximum number of additional GCs per year for new installations (art. 38, (6bis)).

Carbon dioxide savings rate: determined by dividing the amount of carbon dioxide saved by the sector in question by the carbon dioxide emissions from standard electricity generation, the emissions of which are defined and published on an annual basis by the CWaPE (art. 38(2)). Carbon dioxide emissions are those generated by the entire green electricity generation cycle encompassing the production and transportation of the fuel, the emissions during any combustion and, where appropriate, waste processing. In a hybrid installation, all the installation's emissions are taken into account. The different carbon dioxide emission coefficients of each sector in question are approved by the CWaPE (art. 38(4)).

⁶ Articles 2 and 38 of the order of the Walloon Government on the organisation of the regional electricity market.

The order of 3 October 2013 amending the order of the Walloon Government of 30 November 2006 introduces the concept of sustainable biomass. However, the sustainability criteria, established by Directive 2009/28/EC, only apply to bioliquids used in generation units with a capacity exceeding 500 kW.

Capacity ceilings and thresholds: the carbon dioxide savings rate is limited to 1 for electricity generated by an installation with a capacity exceeding 5 MW. Below this threshold, a ceiling of 2 is applied (art. 38(2)⁸. As regards hydroelectric generation installations, high-quality cogeneration installations or installations generating electricity from biomass, GCs are granted for the electricity generated by these installations up to an electrical capacity of 20 MW (art. 38(8)).

Reducing coefficients: after the CWaPE issues an opinion, the Walloon Government may reduce the number of GCs granted based on the age of the installation generating the green electricity, its rate of return and the generation sector to which it belongs (art. 38(5)).

2.2.2. Procedures relating to the GC mechanism

Since 2014, several separate support schemes⁹ for green electricity generation have coexisted:

- The system in effect until 30 June 2014 for installations with a capacity above 10 kW as well as for installations, excluding the photovoltaic sector, with a capacity below or equal to 10 kW;
- The new system, or system of GC allocations with reservation, which came into effect on 1 July 2014 for all sectors of all capacities with the exception of the photovoltaic sector with a capacity below or equal to 10 kW. The reservation system was only applied to the photovoltaic sector with a capacity above 10 kW from 1 January 2015 (see section 2.2.2.1);
- With respect to the photovoltaic sector with a capacity above 10 kW, a specific scheme was in effect from 8
 August 2014 to 31 December 2014: it was the system granting 2.5 GC/MWh¹⁰ with the possibility of receiving
 a bonus of 0.5 GC/MWh if the panels were encapsulated and/or assembled within the European Economic
 Area.
- Photovoltaic installations with a capacity below or equal to 10 kW have benefited from the QUALIWATT system since 1 March 2014.

Nevertheless, when an installation using mainly biomass, except wood, obtained from industrial activities developed on the site of the generation installation, implements a particularly innovative process and is in line with a sustainable development approach, the Walloon Government may, after the CWaPE issues an opinion on the particularly innovative nature of the process used, decide to limit the carbon dioxide savings rate to 2 for all the output of the installation resulting from the sum of the capacity developed on the same generation site, subject to a limit below 20 MW (decree, art. 38(3)).

⁹ The support system applied is determined based on the electrical approval (RGIE) of the installation or a definitive licence.

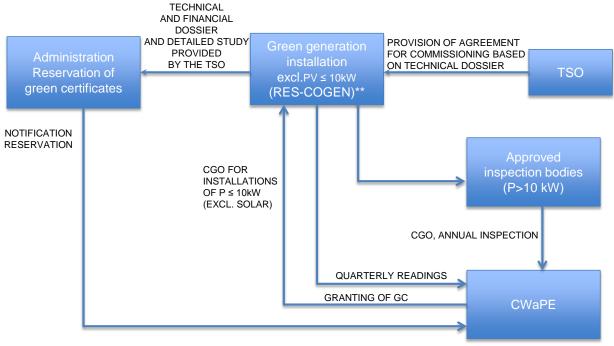
¹⁰ Order of the Walloon Government of 12 February 2015 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

2.2.2.1. GC allocations

By order of 26 November 2015¹¹, the Walloon Government established the additional annual generation of green electricity by sector (see section 2.1) and then converted it into additional allocations for each sector.

The new provisions relating to the GC mechanism came into effect on 1 July 2014. They concern all new green electricity generation installations that have not been commissioned 12, excluding solar installations with a capacity below or equal to 10 kW, that have a definitive licence (i.e. not subject to an appeal) or a compliance inspection (RGIE date) from 1 July 2014. These installations are subject to the green certificate reservation procedure and the new keco coefficient (see section 2.2.2.2).

FIGURF 4 APPLICABLE PROCEDURE WITH RESERVATION



The additional GC allocations were established for 2015 to 2024 by order of the Walloon Government of 26 November 2015

^{*} Commissioning
** Photovoltaic installations are only subject to reservation from 01/01/2015.

¹¹ Annexes 1, 2 and 3 of the order of the Walloon Government of 26 November 2015 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

¹² Order of the Walloon Government of 23 June 2016 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

TABLE 3 GC ALLOCATIONS FROM 2015 TO 2024

GC	2016	2017	2018	2019	2020	2021	2022	2023	2024
Hydraulic power	20 000	16 000	16 000	11 500	9 000	9 000	9 000	6 750	6 750
Wind	314 500	298 832	292 628	287 070	280 900	118 970	116 340	113 710	111 080
Photovoltaic > 10 kW	77 000	52 000	51 000	50 000	48 000	45 000	43 000	42 000	41 000
Geothermal energy		-	-	-	-	5 000	5 000	5 000	5 000
Biogas	67 675	87 200	88 425	65 000	51 375	29 425	23 800	22 900	21 525
Biomass	122 000	140 250	140 250	92 000	62 000	62 000	62 000	62 000	62 000
Biomass (P > 20 MW)	-	-	-	-	-	1 028 160	-	-	-
TOTAL RES ELECTRICITY	601 175	594 282	588 303	505 570	451 275	1 297 555	259 140	252 360	247 355
Fossil cogeneration	18 500	15 880	15 880	15 880	15 880	15 880	15 880	15 880	15 880
TOTAL GREEN ELECTRICITY	619 675	610 162	604 183	521 450	467 155	1 313 435	275 020	268 240	263 235

On the first day of each quarter, the authority publishes the consumption status of the allocation for the current year. The following table summarises the situation as at 1 January 2017:

TABLE 4 STATUS OF THE 2016 ALLOCATION

	Initial number of GC	Number of dossiers	Number of (Number of GC reserved	
		reserved	By allocation	On the inter-sector	remaining in the IF
				(IS) allocation	allocation
Photovoltaic solar panels with a	77,000	260	76,563	38,928	135,277
capacity over 10 kW					
Wind all capacities	314,500	21	127,087	126,578	
Hydroelectricity all capacities	20,000	14	737	15,032	
Biogas all capacities	67,675	3	20,205	49,780	
Solid and liquid biomass all	122,000	1	0	13,776	
capacities					
Fossil cogeneration all capacities	18,500	18	3,732	11,980	
Total	619,675	317	228,324	256,074	

2.2.2.2. Calculation of the granting rate, reference rate of return, metering code

Installations not subject to GC allocations and reservation (old scheme)

The number of GCs granted is proportional to the net electricity generated by the installation (Eenp, expressed in MWhe):

Number of GCs = gcr x Eenp with gcr: the granting rate, expressed in [GC/MWh]

The net electricity generated is the gross electricity generated minus the electricity required by the operational components, i.e. energy-consuming equipment (primary, electricity, heating, cooling) required for the electricity generation cycle, including fuel production and, where applicable, waste processing (order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration, art. 2 10°).

GCs are granted both for the electricity consumed by the producer and for the electricity injected into the network or transmitted via direct lines (order of the Walloon Government of 30 November 2006, art. 15(2)). The net electricity produced (Eenp) taken into consideration is measured prior to any transformation during injection into the network (order of the Walloon Government of 30 November 2006, art. 15(3)).

The granting rate (gcr) depends on the following elements:

- measured environmental performance of the installation (CO₂ savings rate);
- decentralised nature (power thresholds, limit on CO₂ savings rates); since 1 January 2008, for biomass sectors the granting of GCs has been limited to the first tranche of 20 MW, as for the hydroelectric and high-quality cogeneration sectors (decree, art. 38(8));
- rate of return of the sector ("k" reducing factor after 10 years and "q" reducing factor for legacy installations; multiplier coefficients for photovoltaic installations).

For each green electricity generation sector, the expected rate of return on the capital invested is communicated to investors via the establishment of a reference rate of return by the Minister for Energy based on a proposal from the CWaPE. These rates of return take account of the different risk factors (technological, market prices for fuels, heat recovery, etc).

TABLE 5 REFERENCE RATE OF RETURN (OLD SCHEME)

ID	Generation sectors	With cogen.	Without cogen.
1.	Photovoltaic	-	7%
2.	Hydraulic power	-	8%
3.	Pumped storage hydraulic power	-	8%
4.	Wind	-	8%
5.	Biogas - EL	9%	8%
6.	Biogas - domestic and similar waste sorting centre (SORTING)	9%	8%
7.	Biogas - wastewater treatment plant (WWTP)	9%	8%
8.	Biogas - agricultural products/residue/waste (AGRI)	12%	11%
9.	Biogas - agricultural and agri-food industry	12%	11%
	products/residue/waste (MIXED)		
10.	Liquid biofuels 1 (used products/residue or waste)	9%	8%
11.	Liquid biofuels 2 (non-refined products/residue)	12%	11%
12.	Liquid biofuels 3 (refined products/residue)	12%	11%
13.	Solid biofuels 1 (waste)	9%	8%
14.	Solid biofuels 2 (industrial residue)	12%	11%
15.	Solid biofuels 3 (pellets and energy crops)	12%	11%
16.	Fossil cogeneration (natural gas, fuel oil, recovered gas and heat)	11%	-

Installations subject to the GC allocations scheme and reservation (new scheme)

Green electricity generation installations subject to the GC reservation procedure are subject to a granting rate determined by the application of an economic coefficient k_{ECO} and a coefficient k_{CO2} .

The economic coefficient (k_{ECO}) is calculated for each sector so as to guarantee a reference level of return established for this sector by the Walloon Government.

The number of GCs granted to a new installation is provided by the following formulae:

GC = r_{GC} x Eenp [GC] r_{GC} = min (2.5; k_{CO2} x k_{ECO}) [GC/MWh]

with

Eenp: the net electricity generated (MWh), limited to the first tranche of 20 MW for the biomass,

cogeneration and hydropower sectors;

 k_{CO2} : the CO_2 savings rate, capped at 2 for the tranche below 5 MW and capped (except as

otherwise provided for by the decree) at 1 for the tranche above 5 MW, applied from the

first to the last grant year based on the actual performance of the installation;

k_{ECO}: the economic coefficient as provided for in article 38(6bis) of the decree of 12 April 2001 on

the organisation of the regional electricity market, applied from the first to the last grant

year for a given sector.

The methodology for the calculation of the economic coefficient (k_{ECO}) takes into consideration the technical, economic and financial parameters relating the following variables:

1 *Technical parameters*: write-off period, net electrical and/or thermal efficiency, usage time, share of electricity self-consumption;

2 *Cost parameters*: eligible investment cost, fuel cost, annual operating and maintenance costs, decommissioning cost, tax charges (average effective corporate income tax);

3 Parameters relating to income:

- reference for the electricity price: Endex average annual *forward* price during the first two years, then trend price for the subsequent years based on reference sources;
- any additional support.

For the hydropower, wind and photovoltaic sectors, an "rho" correcting coefficient is also applied using the formula below in order to be able to adjust (upwards or downwards) the GC granting rate based on the market price level of electricity on Endex:

 $r_{GC} = min (2.5; \rho \times k_{CO2} \times k_{ECO})$ [GC/MWh]

The "p" coefficient is equal to 1 during the first three years.

This coefficient is then revised every three years to offset electricity market price fluctuations and thus maintain a level of support in line with the reference level of support originally established for the sector.

The reference rates of return set by the Walloon Government (see annex 7 of the order of the Walloon Government of 30 November 2006) are as follows:

- 7 % for the photovoltaic, wind and hydropower sectors;
- 8 % for biomethanisation of a capacity below or equal to 1.5 MW;
- 9 % for the other sectors involving fuels.

Metering code

*A metering code*¹³, established by the Minister pursuant to Article 9 of the order of the Walloon Government of 30 November 2006, sets out the principles and methods applicable in terms of measuring the volume of energy taken into account for calculating the number of green certificates to grant to sites generating green electricity.

For further information on calculating the granting rate, a *software program* available on the CWaPE website offers a more detailed compilation of the calculation methods to be used for most green electricity generation sectors.

2.2.2.3. Level of support

In addition to the value derived from the electricity generated, the income that a green producer can expect to earn from the sale of its GC will depend, on the one hand, on the effective granting rate for GCs (GC/MWh) and, on the other, on the selling price of its GCs (EUR/GC):

Income from GC = r_{GC} x GC price (EUR/MWh)

The following table gives, by way of example, the theoretical maximum that a green producer can expect during the first 10 years (before application of reducing factors and excluding cases of "legacy" installations), as well as the minimum income guaranteed (if the producer satisfies the criteria) by the regional mechanism.

TABLE 6 LEVEL OF SUPPORT FOR DIFFERENT GENERATION SECTORS (P>10 KW)

Sectors (and total installed capacity)	Nominal	Guaranteed minimum
	granting rate	level of support
	(GC/MWh)	(EUR/MWh)
Fossil cogeneration (≤ 20 MW)	0.1 to 0.4	6.5 to 25
Biomass (≤ 20 MW)	0.1 to 2.5	6.5 to 162.5
Hydraulic power (≤ 20 MW)	0.8 to 2.5	52 to 162.5
Wind	1	65
Biomass cogeneration (≤ 5 MW)	0.15 to 2.5	9.75 to 162.5
Photovoltaic (10 - 250 kWc)	1.2 to 6	78 to 390
Photovoltaic (> 250 kWc)	1 to 4.1	65 to 266.5

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¹³ Ministerial order of 12 March 2007 determining the procedures and the metering code applicable to energy volume measurements published in the Belgian Official Gazette of 20 April 2007 – Appendix "procedures and metering code for electricity generated from renewable energy sources and/or cogeneration".

2.2.2.4. Reservation

Installations in the photovoltaic sector with a capacity above 10 kW are subject to the reservation procedure from 1 January 2015 if they have a definitive licence (i.e. not subject to an appeal) or a compliance inspection (RGIE date) on a date after 31 December 2014.

A producer wishing to obtain GCs for its green electricity generation site has to reserve them in advance with the authority. To do this, it has to submit a technical and financial dossier to the authority using a specific form depending on the sector, which is available on the authority's website. The authority's decision, concerning eligibility to obtain GCs, is notified to the CWaPE and the producer who lodged the application within 45 days of its receipt.

Once the producer is in possession of the authority's approval as well as its agreement for commissioning, and its installation has been built, it has to request a visit by the approved body to prepare the CGO (certificate of guarantee of origin). This is sent to the CWaPE by the approved body and is examined with a view to the granting of GCs. A producer who has an electricity generation installation with a capacity over 10 kW no longer has to send a preliminary application for certification (PAC) to the CWaPE as was previously the case 14.

2.2.2.5. Certification of the generation site (CGO)

GC (and guarantee of origin labels) are granted for the electricity generated by a generation site provided that an approved inspection body¹⁵ has verified that the volume of electricity generated by this site can be clearly identified and measured, in particular to certify the sources of energy (their renewable nature) and the efficiency of the conversion (the output from cogeneration). In practical terms, an approved body issues a certificate of conformity for an installation, called a certificate of quarantee of origin (CGO), to an electricity-generating installation with energy metering compliant with the Metering Code and other regulations 16 in effect. Installations with a capacity below or equal to 10 kW benefit from an exemption¹⁷ which removes the requirement for the involvement of an approved body. For these installations, the CGO is issued free of charge by the CWaPE. Among other things this document mentions the energy sources used, the generation technology and the net generating capacity of the installation.

It sets out, among other things, the metering algorithms, i.e. the mathematical equations used to calculate the different volumes of energy. These primarily include: the metering algorithm for net electricity generated (Eenp) - electricity consumed for own use (Eac) - electricity supplied locally (Eeloc) - electricity injected into the network (Eeinj); the metering algorithm for net heat recovered (Eqnv); the metering algorithm for net cooling energy recovered (Efnv); the metering algorithm for input energy (Ee).

In addition to random and targeted inspections organised by the CWaPE (order of the Walloon Government of 30 November 2006, art. 8) and inspections following modifications, each installation must be inspected by an approved body at a frequency based on its net developable electrical capacity: for installations above 20 kW, an annual inspection is required; for installations between 10 and 20 kW, an inspection is required every 5 years.

¹⁴ The procedure for electricity-generating installations with a capacity of up to 10 kW differs from the procedure applicable for electricity-generating installations with a capacity above 10 kW. The reader may refer to the CWaPE website for further information: http://www.cwape.be/?dir=3.3.06.

¹⁵ The list of the approved inspection bodies can be consulted on the CWaPE website: http://www.cwape.be/?lg=1&dir=3.7

¹⁶ Royal Decree dated 15 April 2016 relating to measurement instruments.

¹⁷ Article 7(2) of the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration

2.2.2.6. Review of k factors applied after 10 years and the support for the photovoltaic sector

k factor

Since 1 January 2008, the granting period for GCs has increased from 10 years to 15 years subject, however, to the application of a reducing coefficient ("k" factor) for the last 5 years ¹⁸. This factor is determined by the Minister, for each green electricity generation sector, based on a proposal from the CWaPE and is adjusted every three years (order of the Walloon Government of 30 November 2006, art. 15).

TABLE 7 "K" FACTORS IN FORCE SINCE 1ST OCTOBER 2011

ID	Sectors	k coefficient
0.	Capacities ≤ 10 kWe	
	Photovoltaic ≤ 10 kWe until 1 January 2009	
	VAT investment 6 % Power class (kWc): 0-7	0
	Power class (kWc): 7-8	25
	Power class (kWc): 8-9	50
	Power class above 9 kWc	75
	VAT investment 21 % Power class (kWc): 0.0-4.5	0
	Power class (kWc): 4.5-5.5	25
	Power class (kWc): 5.5-6.5	75
	Power class above 6.5 kWc	100
	Photovoltaic ≤ 10 kWe from 1 January 2009	0
	Other sectors ≤ 10 kWe	100
1.	Photovoltaic > 10 kWe until 7 November 2013	100
	Photovoltaic > 10 kWe from 8 November 2013	0
2.1	Run-of-the-river hydropower ≤ 500 kWe	100
2.2	Hydraulic power ≤ 1 MWe	65
2.3	Hydraulic power > 1 MWe	25
3.	Pumped storage hydraulic power	25
4.	Wind	100
5.	Biogas - EL	25
6.	Biogas - domestic and similar waste sorting centre	25
7.	Biogas - wastewater treatment plant (WWTP)	25
8.	Biogas - agricultural products/residue/waste (AGRI)	100
9.1	Biogas - agricultural and agri-food industry products/residue/waste (MIXED) ≤ 1 MWe	85
9.2	Biogas - MIXED > 1 MWe	55
10.	Liquid biofuels 1 (used products/residue or waste)	25
11.1-2	Liquid biofuels 2 (non-refined products/residue) ≤ 1 MWe	100
11.3	Liquid biofuels 2 (non-refined products/residue) ≤ 5 MWe	75
11.4-5	Liquid biofuels 2 (non-refined products/residue) > 5 MWe	75
12.	Liquid biofuels 3 (refined products/residue)	75
13.1	Solid biofuels 1 (waste) ≤ 1 MWe	100
13.2	Solid biofuels 1 (waste) ≤ 5 MWe	25
13.3	Solid biofuels 1 (waste) ≤ 20 MWe	25
13.4	Solid biofuels 1 (waste) > 20 MWe	25
14.	Solid biofuels 2 (industrial residue)	100
15.	Solid biofuels 3 (pellets and energy crops)	100
16.1	Fossil cogeneration (natural gas, fuel oil, recovered gas and heat) ≤ 1 MWe	100
16.2-3-4-5	Fossil cogeneration (natural gas, fuel oil, recovered gas and heat) > 1 MWe	25

¹⁸The values in force for the period 2003-2010 are listed in the ministerial order of 21 March 2008. The period of application for these values was extended to 30 September 2011. The ministerial order of 29 September 2011 sets the values applicable from 1 October 2011.

The ministerial order of 2 March 2015, amending the ministerial order of 29 September 2011 determining the "k" reducing factor as from 1 October 2011, resets to zero the "k" factor for photovoltaic installations with a capacity below or equal to 10 kW for which the date of the compliance inspection carried out by the RGIE approved inspection body is after 31 December 2008.

- Since 1 December 2011, the 'k' factor applied:
 - is the factor in effect on the installation reference date in order to determine the GC granting scheme;
 - is equal to 0 %.

Consequently, installations with a reference date, as defined in the order, that is later than 30 November 2011, may collects GC for 10 years.

- For installations with a 'k' factor in effect that applied before 1 December 2011 (100 %), the Walloon Minister of Energy determined, on the basis of the CWaPE's proposal, the following applicable 'k' factor, in light of the age of the installation and its rate of return:
 - for installations commissioned before 1 January 2009 (as evidenced by the RGIE inspection date), the 'k' factor now varies from 0 to 100 % (by 25 % tranche), according to the installation's capacity and the VAT rate applied to the investment;
 - for installations commissioned from 1 January 2009 (as evidenced by the RGIE inspection date), the 'k' factor is now 0 %

Pursuant to article 15 (¹) ter of the Walloon Government order dated 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration, any producer referred to in paragraph 1 of said article can, between 18 months and at the latest, 6 months before the end of the GC granting period set pursuant to paragraph 1, lodge an application with the CWaPE to become eligible for the 'k' factor initially set pursuant to paragraph 1, subparagraph 6.

For installations subject to the new GC allocations and reservation scheme, the "k" factor is not applicable.

Photovoltaic installations with a capacity below or equal to 10 kW

In connection with the previous section, in November 2011, the Walloon government decided on a gradual reduction of the support scheme for SOLWATT installations commissioned between 1 December 2011 and 31 March 2013. As for the "k" factor (see above), the implementation rules nevertheless provided for the possibility of benefiting from the previous scheme subject to the installation being ordered before 1 December 2011 and it being completed within a period of 6 months (period extended for days of inclement weather following an interpretative memo adopted in May 2012).

For installations dating from after 31 March 2013, the granting scheme switched to 1 GC/MWh for 10 years. However, in view of the slowdown in the market observed since the change of scheme on 31 March 2013, the Walloon government adopted an interim scheme, in July 2013, applying to installations dating from after 31 March 2013. This interim scheme provided for the application of a granting rate of 1.5 GC/MWh for 10 years for the first tranche of 5 kWc capacity.

The new QUALIWATT scheme came into effect on 1 March 2014 and provides for the payment of an annual incentive over 5 years by the distribution system operator (DSO) to which the installation is connected.

The following table sets out all of the schemes to which the "SOLWATT" installations are subject.

TABLE 8 SCHEMES FOR GRANTING GC FOR PHOTOVOLTAIC INSTALLATIONS WITH A CAPACITY BELOW OR EQUAL TO 10 KW (EXCLUDING INCLEMENT WEATHER DAYS)

	Ordering deadline	RGIE inspection deadline (excluding inclement weather days)	Grantin g period	Granting rate	
S1	S1 30-11-11 31-05-12		15 years	Variable from 7 to 1 GC/MWh depending on capacity and certain conditions	
S2	S2 31-03-12 30-09-12		10 years	Variable from 7 to 1 GC/MWh depending on capacity and certain conditions	
R3	31-08-12	28-02-13	10 years	Declining rate (e.g. an installation generating 1MWh per year will receive a total of 60 GC over 10 years)	
S4	4 31-03-13 30-09-13		10 years	Declining rate (e.g. an installation generating 1MWh per year will receive a total of 50 GC over 10 years)	
S5	28-02-14	31-08-14	10 years	Variable from 1 to 1.5 GC/MWh depending on capacity	
S6	RGIE inspection from 1/03/2014: QUALIWATT (see section 2.3)				

Photovoltaic installations with a capacity above 10 kW

As mentioned in section 2.2.2, photovoltaic installations with a capacity above 10 kW are also subject to a series of separate schemes. The applicable granting scheme is determined based on the valid RGIE inspection date.

TABLE 9 SCHEMES FOR GRANTING GC FOR PHOTOVOLTAIC INSTALLATIONS WITH A CAPACITY OVER 10 KW

	RGIE 2	013		RGIE 2014
	Until 07/11	08/11 to	01/01 to	08/08 to 31/12
		31/12	07/08	
Granting period	15 years		10 y	/ears
Granting scheme		Multiplier co	efficient (Decree,	Art. 38(6))
Granting rate - GC/MWh Capacity tranche: - From 0 to 5 kWc - From 5 to 10 kWc - From 10 to 250 kWc - Above 250 kWc	7 5 4 subject to certain c 1	onditions* or 1	2.5** subject to certain conditions* or 1	
*conditions				
1. Self-consumption	tion At least 50% on a quarterly basis		At least 60% on an annual basis at the time of design	
<u>CWaPE audit</u>	Ex-post: via the q	uarterly readings		Ex-ante (CGO dossier): consumption of the site > 60% solar power generation
2. Cogeneration	AMURE - UREBA	audit audit		/

^{**}A 0.5 GC/MWh incentive may be granted if the panels have been encapsulated and/or assembled within the European Economic Area and as long as the self-consumption criterion is met (see article 1 of the Walloon Government order dated 11 July 2013, amending article 15 *quater* of the Walloon Government order on the promotion of electricity generated from renewable energy sources or cogeneration dated 30 November 2006). However, this increase in the granting rate was repealed by article 4 of the order of the Walloon Government of 12 February 2015. Consequently, only producers that submitted a dossier to the CWaPE prior to the publication in the Belgian Official Gazette of 2 March 2015 of the order of the Walloon Government of 12 February 2015 and proving that the panels were encapsulated and/or assembled within the European Economic Area may claim an increase in the granting rate for their installation.

For RGIE inspections from 1 January 2015, the dossier is subject to the reservation procedure and the granting scheme (k_{ECO}) is determined based on the date of submission of the dossier to the authority (see 2.2.2.1 GC allocations and reservation).

Furthermore, in order to benefit from the support scheme relating to the system of GC allocations with reservation, the photovoltaic panels must be certified in accordance with standard IEC 61215 for crystalline modules, standard 61646 for thin-film modules and standard IEC 61730 when the panels are integrated into or placed onto a building ¹⁹.

¹⁹ Article 3 of the order of the Walloon Government of 12 February 2015, amending article 15 of the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

2.2.2.7. Specific measures relating to the biomethanisation sector and the solid biomass sector

Pursuant to article 15 octies (2) of the order of the Walloon Government of 30 November 2006 as amended by the order of the Walloon Government of 3 April 2014, 12 February 2015 and 23 June 2016 on the promotion of electricity generated from renewable sources of energy or cogeneration, producers of electricity from agricultural biomethanisation or solid biomass, the installations of which are not subject to the GC reservation procedure, may submit a dossier to the CWaPE with a view to benefiting from a k_{ECO} economic coefficient in line with the reference rates of return established by the Walloon Government. To benefit from this measure, it is therefore necessary for the green generation process to be agricultural biomethanisation or a unit that directly involves solid biomass.

For installations with an installed capacity above 1.5 MW, if the CWaPE notes, on an annual basis, an increase of more than 1 percentage point between the rate of return of the installation obtained by virtue of the application of the k_{ECO} coefficient in effect and the reference rate of return, the value of the k_{ECO} coefficient is again revised by the CWaPE in order to maintain the installation's rate of return at the reference level.

For installations with an installed capacity below or equal to 1.5 MW, if the CWaPE notes, on a triennial basis, an increase of more than 1 percentage point between the rate of return of the installation obtained by virtue of the application of the k_{ECO} coefficient in effect and the reference rate of return, the value of the k_{ECO} coefficient is again revised by the CWaPE in order to maintain the installation's rate of return at the reference level.

The Walloon Government order of 23 June 2016 also introduced general GC allocations, within the limits of which it allows a scheme change. The general allocation accessible to producers from installations for electricity generated from agricultural biomethanisation is 140,000 GCs and was spent as soon as it came into effect, on the date the Belgian Official Gazette was published on 6 July 2016. The general allocation accessible to producers from installations for electricity produced from solid biomass comprised 650,000 GCs, of which 570,000 GCs were allocated to existing installations.

2.2.2.8. Call for biomass proposals

The Walloon Government, following the methodology note on the establishment of centralised unit(s) with a capacity above 20 MW (support limited to an electrical capacity of 200 MW) powered by sustainable biomass, adopted the legislative texts²⁰ enabling the launch of a call for proposals for one or more installations for the generation of electricity from solid biomass with an installed capacity above 20 MW. Its purpose was to select a winner who would, if they fulfilled the criteria laid out by the order, obtain for their benefit the reservation of GC in the allocation dedicated to electricity generation installations of an electrical capacity above 20 MW and powered by biomass (maximum 1,028,160 GC)²¹.

The support surrounding this call for proposals is limited to a period of 20 years and has a granting rate corresponding to the minimum between the rate calculated by the CWaPE, enabling the project to reach an internal rate of return of 9 % as defined in appendix 7 of the AGW-PEV for the biomass sector, and the granting rate resulting from the application. In addition to a minimum annual generation level and a request for limited support, the project must also fulfil strict criteria for sustainability and integration in the country.

²⁰ Order of 11 March 2016 amending the order of 12 April 2001 on the organisation of the regional electricity market; Walloon Government order dated 23 June 2016 amending the Walloon Government order of 30 November 2006 on the promotion of electricity produced from renewable energy sources or cogeneration; specifications for the call for proposals on the establishment of centralised unit(s) of electricity generation with a capacity above 20MW (support limited to an electrical capacity of 200MW) powered by sustainable solid biomass.

²¹ Order of the Walloon Government of 26 November 2015 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

Bids relating to the call for proposals were submitted by 30 November 2016, and after the list of comprehensive and admissible dossiers was established by the authority, they were analysed by the authority, the Cross-functional Committee on Biomass and the CWaPE. The different opinions were given at the start of 2017 and analysed by a panel tasked with submitting a winner to the Minister for Energy. The announcement of the winner by the Walloon Government is expected during 2017. The right to obtain GCs is authorised from 1 January 2022 or from the date the installation is commissioned if after 1 January 2022, if this takes place by 1 January 2024 at the latest. Furthermore, the Minister for Energy reserves the right not to announce a winner of the call for proposals.

2.2.3. The GC market

2.2.3.1. Supply: granting of GC to green producers (order of the Walloon Government of 30 November 2006, art. 13)

Every quarter, each producer sends its meter readings to the CWaPE. Based on these readings and metering algorithms, the CWaPE calculates the granting rate (GC/MWh) on a quarterly basis and grants a number of GCs in proportion to the number of MWh generated by each certified electricity generation installation. In accordance with the provisions provided for by the order of the Walloon Government of 30 March 2006 on public service obligations, it is when submitting its quarterly reading that the producer must notify the CWaPE of its decision to sell the GCs on the market or to activate the purchase quarantee at the price of EUR 65/GC.

By way of derogation, for applications submitted from 1 December 2009 and, for the photovoltaic sector, until 18 July 2013, generation sites with a capacity below or equal to 10 kW benefit from an advance granting²² of green certificates provided that the installation in question has not received or has waived the incentive provided for by the ministerial order of 20 December 2007. The GCs were granted in advance at the time of the notification by the CWaPE of the decision to accept the application, up to the estimated number of GCs to be received for a generation period of 5 years capped at 40 GC. The producers are still required to submit their metering readings each quarter in order to, firstly, repay the GCs granted in advance and, secondly, benefit from the granting of GCs over the rest of the 10 or 15-year period depending on the sector. These GCs may also be purchased from the LTSO (Elia) at the quaranteed price.

GCs issued in electronic form are valid for a period of 5 years. Each producer has access to the CWaPE extranet through which it can check the status of its granting account. Following each granting of GCs, the CWaPE provides green producers with a detailed breakdown of the GCs granted as well as the status of their account.

Producers with a photovoltaic installation or a fossil cogeneration installation²³ with a capacity of up to 10 kW can also submit their quarterly readings online through their access to the CWaPE extranet service. Except during periods of maintenance, this service can be accessed 24/7. For each reading submitted, the CWaPE performs an automated plausibility check on the quantity of electricity generated. In the CWaPE extranet, the message "check" is displayed for a meter reading when the alert threshold is exceeded. After a systematic check of the dossier, a CWaPE operator either releases the GC granted, requests an explanation from the producer or the DSO, or dispatches an approved inspection body to conduct an on-site inspection. In general, the answers received make it possible to remove the block. Less frequently, the CWaPE grants GCs based on average production (granting of what is unquestionably due).

²² By way of reminder, following the adoption of the order of the Walloon Government of 27 June 2013, installations for which the reference date for determining the procedures used for granting green certificates is after 18 July 2013 will not benefit from advance granting.

²³ Certain installations do however require a catch-up because they did not initially have access to the extranet.

In the case of a third-party investment (and other similar arrangements), the CWaPE has made an agreement template for the assignment of the right to obtain GCs available to those involved. The producer, referred to as the assignor, transfers to the assignee the right to obtain GCs granted by the CWaPE for the green electricity generated by its installation. The transfer is made in exchange for the assignee's services. Based on the assignment agreement template prepared by the CWaPE, the assignor gives the assignee authority to manage the entire administrative and technical dossier with respect to the CWaPE or the DSO for the duration of the assignment, including management of the GC account and the periodic submission of meter readings. The assignees must first register with the CWaPE, and a list of these registered assignees is published on the CWaPE website.

2.2.3.2. Demand: return of the annual GC quota

Each supplier is required to return, on a quarterly basis ²⁴ to the CWaPE, a number of GCs corresponding to the number of MWh supplied to its end customers located in Wallonia, multiplied by the quota in force. For system operators, the quota applies to their own electricity consumption and, where applicable, to the electricity delivered to the end customers they supply. For holders of a limited licence for the purpose of supplying themselves, the quota applies based on the electricity consumed that was carried by the transmission system, the local transmission system or a distribution system (order of the Walloon Government of 30 November 2006, art. 25(2)).

Since 1 July 2014 and following the amendment of article 25 of the Walloon Government of 30 November 2006, suppliers' own consumption (excluding electrical energy absorbed by the pumping operation in pumped storage power plants) as well as the electricity generation of conventional self-producers for their own use are also subject to the quota.

There are four stages to the "return quota" procedure for suppliers and DSO:

- 1. submission of quarterly supply readings to the CWaPE;
- 2. calculation by the CWaPE of the number of GCs to be returned based on the quota and any reductions;
- 3. cancellation of the returned GCs in the CWaPE database;
- 4. calculation by the CWaPE of the amount of fines to be applied in the event that an insufficient number of GCs have been cancelled.

The quota to be achieved by the suppliers and system operators is set by the order of the Walloon Government of 30 November 2006, art. 25(3):

- .
- 32.40 % between 1 January 2016 and 31 December 2016;
- 34.03 % between 1 January 2017 and 31 December 2017;
- 35.65 % between 1 January 2018 and 31 December 2018;
- 37.28 % between 1 January 2019 and 31 December 2019;
- 37.9 % between 1 January 2020 and 31 December 2020;
- 34.03 % between 1 January 2021 and 31 December 2021;
- 35.65 % between 1 January 2022 and 31 December 2022;
- 37.28 % between 1 January 2023 and 31 December 2023;
- 37.9 % between 1 January 2024 and 31 December 2024.

²⁴ Before the end of the second month following the quarter just ended (i.e. 31 May, 31 August, 30 November and 28 February).

Furthermore, in accordance with art. 25(4) of the order of the Walloon Government of 30 November 2006, depending on developments in the green electricity market the Walloon Government may review the above-mentioned quotas in the framework of a triennial evaluation process, and for the first time in 2014. On this basis, the Walloon Government may set new annual quotas so as to always cover a total period of 8 years. Each quarter, the CWaPE establishes a report covering developments in the GC market detailing the GC supply and demand in the previous quarter. This report is sent to the Minister no later than the thirtieth day of the following quarter. In the event of an imbalance between GC supply and demand that is deemed to be too significant, the CWaPE proposes an adjustment of the quotas for the following years in the conclusions of this report. Based on an opinion from the CWaPE, the Ministry adjusts the quotas referred to in paragraph 3 up to a maximum ceiling of 37.9% for the period 2017 to 2024²⁵.

On 20 July 2016, the CWaPE also drafted a proposal²⁶ on the outlook of the certificates market, in connection with its dedicated annual report 2015 on changes in the GC market. In this proposal, the CWaPE observed that the volume of GC that may be financed by the LTSO (Elia) on the basis of the current surcharge (EUR 13.8159/MWh excl. VAT) is insufficient for it to be able to cope with the applications for the purchase of GC over the 2016-2024 period. The CWaPE highlights different drivers that can be used to ensure better market operation:

- Increasing the Walloon GC surcharge collected by Elia;
- Influencing GC demand and further adjusting the annual GC quota to absorb the surplus GC;
- Carrying out a new carry trade operation like that of 1 July 2015;
- Influencing supply in order to reduce the influx of new GCs onto the market.

The CWaPE then draws up different scenarios in which the surcharge and the quotas are adapted in order to reestablish the balance on the GC market.

The quotas set by the Walloon Government are "nominal" quotas which do not take account of reduction possibilities for suppliers supplying operating sites of companies that satisfy the conditions for the granting of a reduction in the GC quota (see next section). It should be noted that since 1 July 2014, the supply of protected regional customers is exempt from the quota. When the reductions granted are taken into account, the quota then becomes an "effective" quota.

The GCs taken into account in the quotas are limited to GCs granted in Wallonia.

The reduction

In accordance with article 25 of the order of the Walloon Government of 30 November 2006, when a supplier supplies an end customer that has signed directly or through a federation an agreement with the Walloon Region aimed at improving its energy efficiency in the short-, medium- and long-term, it may benefit from a reduction in the number of GCs to be returned to the CWaPE.

Where the end customer is supplied by several suppliers for a single operating site, the reduction in the number of GCs is divided up in proportion to the volumes supplied by each supplier.

Any reductions in costs resulting from the provisions in this paragraph must be directly passed on by the suppliers to each end customer that is the source of such reduction.

²⁵ Article 5 of the order of the Walloon Government of 26 November 2015 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration

²⁶ CD-16g20-CWaPE-1594 'Proposal on the outlook of the GC market and the adaptations necessary by 2024'

The procedure to be followed to be able to benefit from this quota reduction, as well as the calculation methods, are the subject of official notifications available on the CWaPE website.

The decree of 27 March 2014 amending the decree of 12 April 2001 on the organisation of the regional electricity market sets out a new scheme for the reduction of the number of GCs to be submitted to the CWaPE such that the total volume of GCs benefiting from this reduction corresponds to a maximum of 23% of the nominal quota. These new provisions are applicable from 1 July 2014. These reductions are allocated for an amount equal to 22.5% of the annual quota for the current year to professional customers (large enterprises and electro-intensive SMEs) that have signed, directly or through a federation, an agreement with the Walloon Region aimed at improving their energy efficiency in the short-, medium- and long-term, as well as to residential end customers (for social welfare reasons) for a maximum of 0.5% of the annual quota for the current year.

Furthermore, the amendment of 3 April 2014 of the order of the Walloon Government of 30 November 2006 removed the minimum consumption threshold of 1.25 GWh and determined new formulae for the calculation of the reductions to be applied.

The reduction of the number of GCs corresponds to a quota decrease in accordance with the following formulae and is applied to companies forming a geographic and technical entity within the meaning of the branch agreements:

- for the tranche of quarterly electricity consumption between 0 and 5 GWh inclusive, application of 75% of the annual quota for the current year;
- for the tranche of quarterly electricity consumption between 5 and 25 GWh inclusive, application of 50% of the annual quota for the current year;
- for the tranche of quarterly electricity consumption between 25 and 75 GWh inclusive, application of 15% of the annual quota for the current year;
- for the tranche of quarterly electricity consumption above 75 GWh inclusive, application of 10% of the annual quota for the current year;

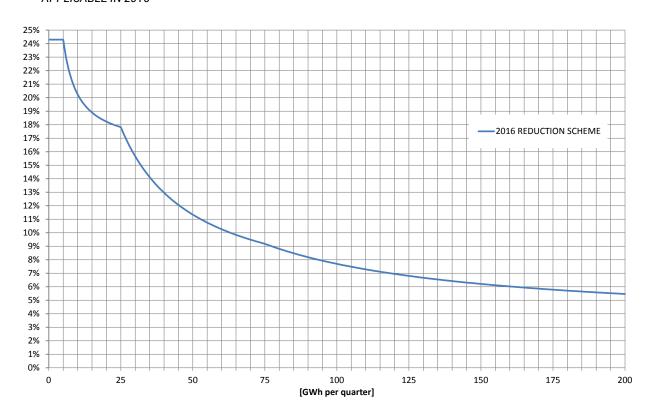
The table below provides a summary of the quota with the reduction applicable for 2016 for the different tranches of quarterly consumption.

TABLE 10 QUOTA WITH REDUCTION FOR 2016

Year	2016
Nominal quota	32.40 %
Quota applicable for the tranche 0 to 5 GWh	24.30 %
Quota applicable for the tranche 5 to 25 GWh	16.20 %
Quota applicable for the tranche 25 to 75 GWh	4.86 %
Quota applicable for the tranche > 75 GWh	3.24 %

The figure below illustrates the quota applicable for 2016 with the different reduction levels relating to each tranche of quarterly consumption.

FIGURE 5 DEVELOPMENTS IN THE QUOTA FOR DIFFERENT TRANCHES OF QUARTERLY CONSUMPTION APPLICABLE IN 2016



Penalty regime (order of the Walloon Government of 30 November 2006, art. 30)

In the event of non-compliance with the target quota return obligation, the supplier or system operator is required to pay an administrative fine for the quarter in question. The fine is set by the Walloon Government and is currently EUR 100 per missing certificate.

2.2.3.3. Purchase guarantee systems for GC

Regional obligation to purchase GCs on the part of the LTSO (Elia)

Since 1 January 2008, the generation support mechanism has been supplemented by a purchase obligation mechanism²⁷ incumbent upon the Local Transmission System Operator (LTSO), Elia. The order of the Walloon Government of 30 March 2006 on public service obligations in the electricity market sets out the procedures and terms for submitting a request and for applying this purchase obligation (articles 24*ter* to *sexties*).

The price at which the LTSO is obliged to purchase green certificates is EUR 65. The purchase obligation takes effect in the month following the commissioning of the installation and lasts a maximum of 180 months.

In order to benefit from this purchase guarantee, a green producer, benefiting from the scheme in effect prior to 1 July 2014 (prior to 1 January 2015 for the photovoltaic solar power sector with a capacity above 10 kW), is required to submit an application to the authority (Department of Energy and Sustainable Building within the DGO4). The period of validity of the purchase obligation is determined by the CWaPE based on a methodology published on its website (see CD-5d05-CWaPE - Communication on the methodology for examining applications for generation support). The cumulative amount of the GC purchase price must make it possible to offset the higher cost of electricity generation compared to the market price during the write-off period for the installation in question, including as regards interest on the capital invested at the reference rate of return²⁸.

By way of derogation, low-capacity installations (≤ 10 kW) are not required to submit an application and benefit from an automatic purchase guarantee for a maximum period of 180 months.

The decision to opt for the guaranteed price or for the sale of GCs on the GC market is made by the green electricity producer each time that it submits its quarterly meter readings to the CWaPE. GCs for which the producer has not opted for the guaranteed price may be sold on the GC market throughout their validity period.

Pursuant to the order of the Walloon Government of 3 April 2014²⁹, a new provision on the regional obligation to purchase GCs on the part of the LTSO (Elia) came into effect on 1 July 2014. Henceforth, the guaranteed purchase of GCs by Elia is automatic throughout the granting period for new generation units subject to the GC allocation and reservation system and no longer requires the submission of a dossier to the authority as was previously the case.

In accordance with the provisions provided for by the Walloon Government in the decree of 12 December 2014 as well as in the draft order submitted to the Walloon Parliament on 29 May 2017 on the organisation of the regional electricity market with a view to organising the external financing of GCs via an intermediary or the Walloon region itself, GCs acquired by the LTSO (Elia) since 1 January 2014, pursuant to its public service obligation, are either removed from the database held by the CWaPE or given by the LTSO to one or more intermediaries who have been given the task of acquiring GCs at the guaranteed minimum price set by the Walloon Government.

 28 Ministerial order of 21 March 2008 setting the reference rate of return used to determine the 'k' factor.

²⁷ Art. 40 of the decree of 12 April 2001 on the organisation of the regional electricity market.

²⁹ Order of the Walloon Government of 3 April 2014 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration and the order of the Walloon Government of 20 February 2014 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

Federal obligation to purchase GCs on the part of the TSO (Elia)

Pursuant to the royal decree of 16 July 2002 on the establishment of mechanisms to promote electricity generated from renewable energy sources (RES), the transmission system operator (TSO), Elia, in the context of its public service mission, has an obligation to purchase, from any green electricity producer who so requests, the GCs granted at a minimum price set depending on the generation technology. This purchase obligation comes into effect on the commissioning of the generation installation and lasts for a period of 10 years.

The Royal Decree of 16 July 2002 was amended on 21 December 2012 and, among others, henceforth limits this federal GC purchase guarantee to the offshore wind power sector, to photovoltaic solar power installations commissioned before 1 August 2012 and to installations generating electricity from water or tides (see table below).

21 DECEMBER 2012

PURCHASE PRICE FOR GCS GUARANTEED AT STATE LEVEL ACCORDING TO THE ROYAL DECREE OF

Generation technology	Price per MWh-RES
Offshore wind energy (installations subject to a public domain confinancial close of which took place no later than 1st May 2014)	encession, the EUR 107 / 90 30
Solar energy (units commissioned before 1st August 2012)	EUR 150
Marine installations generating electricity from water or tides	EUR 20

In Wallonia, this system therefore only concerns GCs granted to photovoltaic units commissioned before 1 August 2012 (as evidenced by the date of commissioning on the certificate of guarantee of origin) for the tranche of capacity not benefiting from a multiplier coefficient (> 10 or 250 kWc, as applicable). That is because in this case (granting rate of 1 GC/MWh) the value of these GCs as purchased by the TSO is EUR 150/GC.

The TSO (Elia) has to offer these GCs on the market in order to recover the costs of fulfilling this obligation (see diagram 1). The net balance, resulting from the difference between the purchase price of the green certificate by the TSO and the selling price on the market, is funded by a surcharge on the access tariffs.

2.2.3.4. Structure of the market

TABLE 11

Database (order of the Walloon Government of 30 November 2006, art. 21)

The authenticity of GCs is guaranteed by their registration in a centralised GC register managed by the CWaPE. This register includes in particular information relating to the generation site, the producer, the date of issue and expiry of the GCs, their holder and the operations logged (granting, sale, purchase, cancellation for the quota, expiration).

Each stakeholder in the GC market (producer, assignee, intermediaries or brokers, suppliers and system operators) has an account opened in its name. A producer must be associated with a generation site. Each stakeholder has secure access to its account (extranet service www.e-cwape.be) enabling it to carry out all basic operations (consultation of accounts, inputting readings, recording of transactions for sales, purchases or cancellations for the quota).

³⁰ Through public domain concession, EUR 107/GC for the first 216 MW and EUR 90/GC for the remainder.

GC sale and purchase transactions

In order to be authenticated, every transaction relating to a green certificate must be notified to the CWaPE and recorded in the GC register.

Market stakeholders trade GCs without any CWaPE involvement. In order to sell them, it is essential to obtain a written agreement from the purchaser. Once an agreement has been reached, the seller provides notification of the transfer of ownership of the GCs via the extranet or by sending the form provided for this purpose to the CWaPE.

The CWaPE provides stakeholders with an account statement giving the details of the transactions carried out as well as the status of their accounts.

Intermediaries

Any private individual or legal entity that opens an account with the CWaPE may carry out transactions relating to GCs. In this way, for example, end customers may choose to directly purchase the GCs associated with their consumption and then transfer them to their electricity suppliers and, in doing so, negotiate an electricity price exclusive of GCs.

A number of intermediaries are active in the GC market. Some of them specialise in the purchase of GCs from private individuals, while others only target industrial producers. GC brokering is also permitted subject to compliance with a specific procedure and the opening of securities accounts reserved for brokerage activities.

The CWaPE publishes a list of potential GC buyers on its website (intermediaries, suppliers, system operators and industrial customers). This list only contains the details of entities that have specifically asked the CWaPE that they be identified as a potential buyer of GCs.

BELPEX, the Belgian power exchange, has set up a GC exchange (BELPEX GCE) which began operating in 2009. The advantage of this exchange is that it guarantees anonymity between professional buyers and sellers at the time of the transaction and provides a green certificate spot price. However, given the current imbalance in the GC market, BELPEX decided to suspend trading sessions in 2012.

VAT aspects31

The tax authority, in its decision of 26 February 2008³², considers the transfer of GCs to be a supply of services referred to in article 18(1), paragraph 2, 7° of the VAT Code. This sale is subject to VAT, at the normal rate, when it is deemed to be in the country.

On 28 October 2014, FPS Finance further outlined its opinion on the VAT scheme relating to electricity generation and the sale of GCs by end consumers. In its decision³³, it examines the issue of the sale of GCs alongside the issue of a potential delivery of electricity within the meaning of the tax legislation (VAT). A distinction is made depending on whether the producer has a single two-way meter with compensation or a dual metering device.

The CWaPE database was modified in accordance with the provisions provided for by FPS Finance regarding the sale of GCs and on the basis of information held by the CWaPE.

³¹ Taxation is not part of the normal regulatory activity assigned by decree to the CWaPE. The information communicated is therefore strictly indicative.

³² Decision no. ET113522 of 26 February 2008

³³ VAT Decision no. E.T.114.454 dated 28 October 2014

2.2.3.5. Passing on of the PSO cost to end customers

Passing on the cost of GC quotas

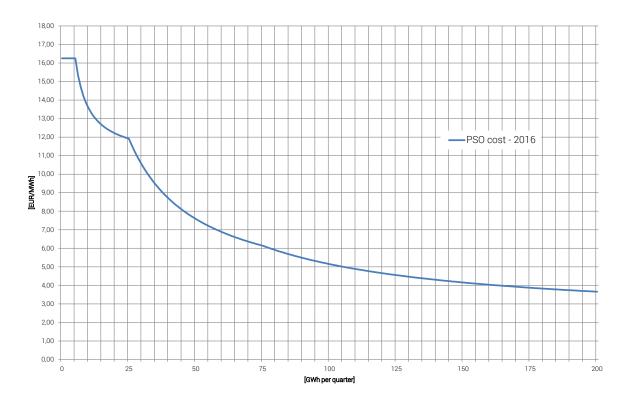
For the end customer, the theoretical cost of the public service obligation (PSO) relating to the GC quota is equal to:

PSO cost = quota₂₀₁₆ x average price₂₀₁₆ (EUR/MWh EXCL. VAT)

For 2016, the average green certificate price was EUR 66.88 EXCL. VAT.

The graph below shows the value of this cost for 2016 depending on the tranche of quarterly consumption.

FIGURE 6 COST TO AN END-CUSTOMER (EUR/MWH EXCL. VAT)



In practice, the cost of the PSO relating to the GC quota is passed on to the end customer, partly through the price of the "energy" component billed by the supplier and partly through the system usage tariffs for the portion of the PSO borne by the DSO.

As regards system operators, the passing on of the cost of this "green PSO" is monitored by the regional regulator (CWaPE) in the context of the approval of system usage tariffs (regulated tariffs).

As regards suppliers, the integration of the cost of this "green PSO" in the price of the "energy" component billed to the end customer is not regulated. In principle, it is freely negotiated by the supplier and its customer. Nevertheless, in the interest of transparency, the legislator has implemented three provisions in this area:

- For all customers, the order of the Walloon Government of 30 March 2006 on public service obligations requires suppliers to indicate in the contract and on bills the amount, specifically identified, corresponding to the passing on of the GC cost. This cost may not under any circumstances be included in the items relating to taxes and surcharges. Article 7(1), (9) of this same order is supplemented by the amending order of 3 April 2014, which henceforth requires suppliers to mention in their electricity bills the cost relating to GCs based on the average price of the GC for the previous four quarters as published by the CWaPE;
- For residential customers and SMEs, article 20 quater of the law of 29 April 1999 in paragraph 1 stipulates that "for residential customers and SMEs, the maximum amount a supplier may pass on to the end customer is the actual cost associated with the regional obligations relating to green certificates and cogeneration certificates, while only taking into account the market price of the certificates and a flat-rate transaction cost";
- For end customers benefiting from a quota reduction, the resulting cost reduction must be passed on directly by the suppliers to each end customer that is the source of such reduction.

The CWaPE is responsible for ensuring supplier compliance with these provisions. The CWaPE's periodic reports concerning the analysis of electricity prices in Wallonia include the amounts billed by suppliers for GCs to different categories of end customers.

Passing on of the cost of the regional obligation to purchase GCs on the part of the local transmission system operator (LTSO)

The amounts paid to producers by the LTSO (Elia) are recovered by the latter by means of a regional surcharge³⁴ applied to the electricity drawn by category 2, 3 and 4 users of the local transmission system in Wallonia (approximately 75 % of the supply in Wallonia). Specifically, the federal law of 29 April 1999 provides that "the pricing methodology must make it possible to efficiently cover all the necessary or effective costs for the fulfilment of the legal or regulatory obligations of the system operator as well as for carrying out its activity of operating a transmission system or a system with a transmission function". Users of the system connected directly to the transmission system (380 kV, 220 kV or 150 kV) do not therefore contribute to this regional surcharge.

The regional surcharge has been relatively low for several years. At the beginning of 2012 it was EUR 1.1899/MWh (excl. VAT). This amount was based on a repurchase assumption of 300,000 GC in 2012. Elia then submitted two requests to the CREG for the revision of the surcharge. As such, the regional surcharge increased to EUR 5.9445/MWh (excl. VAT) from 1 October 2012 and to EUR 13.8159/MWh (excl. VAT) from 1 January 2013. The amount of this surcharge did not change in 2014, 2015 and 2016.

On 12 December 2014, the Walloon Government adopted a decree amending the decree of 12 April 2001 on the organisation of the regional electricity market with a view to organising the external financing of GCs. The main aim is to maintain the level of the GC surcharge collected by the local transmission system operator at EUR 13.82/MWh. The decree also identifies categories of companies that may benefit from a rate of exemption from the surcharge defined.

A partial exemption is granted to end customers connected at a voltage level lower than or equal to 70 kV. The exemption is as follows:

- 85% (i.e. payment of 15% of the surcharge) for end customers with a branch agreement irrespective of their level of consumption;

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 $^{^{34}}$ Article 12(5) of the federal law of 29 April 1999 on the organisation of the electricity market

- 50% for end customers without a branch agreement connected at a voltage level higher than low voltage and the activity of which falls under the NACE code "crop and animal production";
- 50% for end customers without a branch agreement connected at a voltage level higher than low voltage, the annual consumption of which is more than 1 GWh and the activity of which falls under the primary NACE codes "manufacturing companies", "education", "hospitals" or "medical-social".

In 2014 and 2015, the CWaPE worked on drawing up an indicative list of the companies benefiting from the exemption.

In 2016, the CWaPE observed³⁵ that the current surcharge level would no longer enable the LTSO (Elia) to cover costs relating to its PSO for purchasing GCs. On the basis of its estimate of GC market changes, the CWaPE estimated that at an unchanged surcharge level (first limit), on the basis of 100% consumption of GC allocations and taking into account the payment of exemptions detailed above, the number of surplus GCs would reach several million by 2024.

In this context, the Walloon Government decided at its 20 October 2016 session on the principle for implementing a GC deferral mechanism, planning for the acquisition and retention, for a given period of surplus GCs by one or more deferrers. Although this mechanism, under the Region's budget, does not provide a long-term solution to the structural GC surplus, it meets the goal of maintaining the surcharge at its current level and not affecting end consumers' electricity bills.

In its draft order submitted to the Walloon Parliament on 29 May 2017, the Walloon Government tasked the Walloon Air and Climate Agency with the GC deferral assignment. Surplus GC on the GC market between 2017 and 2021 will be subject to annual deferral operations for a maximum period of nine years, after which the GC must be bought back by the LTSO. Nevertheless, from 1 January 2022, if the market conditions allow it, deferred GCs may be put back on the market via an auction mechanism.

Passing on the cost of the federal obligation to purchase GCs on the part of the transmission system operator (TSO)

In the context of its federal purchase obligation, the TSO (Elia) offers the GCs purchased on the market in order to recover the costs of fulfilling this obligation³⁶. The net balance, resulting from the difference between the purchase price of the green certificate by the TSO and the selling price on the market, is funded by a surcharge applied to the transmission system usage tariffs. Approval and monitoring of this surcharge (amount and method of passing on to the different categories of consumers) is carried out by the federal regulator (CREG) in the framework of the approval of system usage tariffs (regulated tariffs).

Estimate of the cost of the public service obligations from 2016 to 2017

The measures adopted by the Walloon Government, to establish the GC quota until 2024 and to maintain the surcharge for the guaranteed purchase of GCs at EUR 13.8159/MWh via the LTSO, make it possible to estimate the cost of these public service obligations for Walloon consumers for the coming years. The following assumption is that, given the Walloon Government's desire to put in place a deferral mechanism to mitigate the imbalance observed on the GC market, the values defined for the GC quotas and the current surcharge level remain unchanged.

³⁵ CD-16g20-CWaPE-1594 « Proposition sur les perspectives d'évolution du marché des CV et les adaptations nécessaires à l'horizon 2024 »"

 $^{^{36}}$ See article 14 of the royal decree of 16 July 2002

The table below shows the estimate of the costs for the financing of support for green electricity generation in Wallonia via the 2 public service obligations referred to above.

TABLE 12 ESTIMATE OF THE COST OF PUBLIC SERVICE OBLIGATIONS (IN EUR)

	2016	2017
ELIA (LTSO) GREEN CERTIFICATE PURCHASE GUARANTEE based on the EUR 13.82/MWh surcharge	221 767 300	218 377 017
GREEN CERTIFICATE QUOTA based on the effective quota defined in the AGW of 3 April 2014	355 680 432	368 554 266
TOTAL PROJECTED COST	577 447 732	586 931 283

2.3. Direct electricity lines

Pursuant to the order of the Walloon Government of 17 September 2015 relating to direct electricity lines, the concept of direct electricity lines has been defined exhaustively and the procedures for the granting of authorisations have been determined.

Initially exempt from the GC discount obligation for the supply of green electricity³⁷, generation installations using a direct electrical line have been subject to this obligation³⁸ since 1 July 2016.

2.4. Cross-functional committee on biomass (CTB)

The Government has established³⁹ a cross-functional committee on biomass bringing together representatives of the relevant authorities (DGO3, DGO4, DGO6) and the CWaPE. This cross-functional committee is entrusted with:

- The finalisation of the Walloon "Wood-Energy" strategy;
- The drafting of the Walloon "Biomass-Energy" strategy;
- The assessment of the sustainability of the resource in biomass-energy projects;
- The assessment of compliance with cascading in biomass-energy projects;
- The analysis, in the form of opinions on drafts and preliminary drafts of decrees, orders of the Government and ministerial orders relating to biomass or to its uses;
- The drafting of own initiative opinions.

The CTB meets regularly, at least once a month. It met for the first time in March 2016. Internal rules were set by the committee and approved by the Minister for Energy in September 2016 pursuant to art. 19 *septies* (4) of the AGW PEV of 30 November 2016. The Walloon Air and Climate Agency (AWAC) was appointed as a permanent expert to the committee.

³⁷ Art. 47 of 11 April 2014 amending the Decree of 12 April 2001 on the organisation of the regional electricity market.

³⁸ Decree of 11 March 2016 amending the Decree of 12 April 2001 on the organisation of the regional electricity market.

³⁹ Order of the Walloon Government of 26 November 2015 amending the Walloon order of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

As part of its role, the committee gave an opinion on the special specifications concerning the establishment of centralised units with a capacity above 20 MW (support limited to an electrical capacity of 200 MW) powered by sustainable biomass.

It also initiated work to draft the "biomass" declaration and the Biomass strategy.

3. DEVELOPMENTS IN GREEN ELECTRICITY GENERATION FACILITIES IN 2016

3.1. Developments on sites generating more than 10 kW

At the end of 2016, the CWaPE registered additional installed capacity⁴⁰ of just over 79 MW (compared to 61 MW in 2015 and 75 MW in 2014). Aside from the photovoltaic sector, there were few new generation sites.

TABLE 13 GREEN ELECTRICITY GENERATION SITES OVER 10 KW IN 2015 AND 2016

	Number of new site	Number of new sites > 10 KW		
Sector	2015	2016		
PV solar > 10kW	117	175		
Hydraulic power	0	2		
Wind	5	7		
Biomass	0	2		
Fossil cogeneration	12	9		
Total	134	195		

There was a total of 195 additional generation sites compared to 134 in 2015. The vast majority of new installations came from the photovoltaic sector (175 new generation sites totalling 24MW). The installed photovoltaic capacity in 2016 was double the capacity in 2015. The average installed capacity per generation site (140 kWc) is on the increase. For the first time in 3 years, we saw the installation of two new hydropower sites (Hastière and Waulsort hydro dams). As for the wind sector, it seems to be picking up slightly (up by 51 MW) while there is no significant change to the biomass and fossil cogeneration sectors. Finally, two modest agricultural biogas installations (+65 kW) were commissioned.

In total, as at 31 December 2016, there were 1,444 installations above 10 kW that had been certified and registered in the CWaPE database (1,249 installations at the end of 2015). These installations were subject to quarterly monitoring both with regard to certification of the generation site (modifications, breakdowns, renewable nature and CO_2 emissions from biomass inputs, cogeneration audit for solar power installations, etc.) and with regard to the granting of GCs and guarantees of origin (GOL). A list of these generation sites can be found in Annex 1.

⁴⁰ All capacities, unless otherwise specified, are expressed in net developable electric capacity as defined in the metering code: "Electric power generated per generation installation before any transformation to the system, obtained by deducting the average capacity of functional facilities from the maximum achievable capacity". Although this convention facilitates comparison between sectors, this practice breaks with the custom of the photovoltaic sector in which capacities are expressed in installed peak capacity (Wc); the latter is approximately 10 % higher than the net capacity for solar power.

Certain sites were modified in 2016. The changes to existing generation sites include:

- adding a new 600 kW biogas engine to the Biospace site;
- recognition of significant change for the Mornimont Hydro site which is starting again with 15 years of GC granting;
- the replacement of the Heavy Fuel input with Natural Gas on the Burgo Ardennes site;
- the failure of the Seva biomass site which is leaving the list of producers (less than 2 MWe);
- PV generation sites >10kW have made extensions, under the k_{ECO} scheme, enabling them to approach or exceed 1 MWc, such as the Cora Messancy (1,243 kWc) and Châtelineau (962 kWc) sites.

TABLE 14 GREEN ELECTRICITY GENERATION SITES ABOVE 10 KW AT END OF 2016⁴¹

Generation sites > 10 kW	Number of sites	Capacity (kW)
PV solar > 10kW	1135	127,417
Hydraulic power	60	114,204
Wind	78	724,519
Biomass	60	272,333
Fossil cogeneration	111	217,069
Total	1,444	1,455,542

As in 2015, certification of these green electricity generation sites was carried out by four inspection bodies, accredited by BELAC⁴² in accordance with standard NBN EN ISO/IEC 17020 and approved by the Minister for Energy. These bodies are: AIB-Vinçotte Belgium (AVB), Bureau Technique Verbrugghen (BTV), Electro-Test and SGS Statutory Services Belgium (SGS-SSB). Electro-Test has no longer met the criteria to be recognised as an inspection body approved at Belgium level since July 2016. In addition to the initial certification stage, the approved bodies conduct periodic inspections of all certified sites. The CWaPE may also at any time carry out an inspection or request that an approved inspection body carry out an inspection and examine whether the elements included in the certificate of guarantee of origin reflect the actual situation.

Amendments to the certificate of guarantee of origin are also made in the case of a modification to an installation, measurement instruments or any other element included in the certificate of guarantee of origin. Where biomass inputs are used (local and imported), certification also involves demonstrating the renewable nature of such inputs and their traceability throughout the entire production cycle.

The average time taken by the CWaPE to process new "complex" generation sites (excluding the photovoltaic sector) continues to be in the region of six months.

⁴¹ The 30 MW Uvélia installation does not receive green certificates and is therefore not included in the statistics in this chapter.

⁴² Belgian accreditation body: http://economie.fgov.be/belac.jsp

3.2. Development of sites generating up to 10 kW

3.2.1. Photovoltaic installations up to 10 kW

3.2.1.1. Photovoltaic installations – SOLWATT

The SOLWATT support scheme benefits installations with a capacity below or equal to 10 kW commissioned before 1 March 2014, the date on which the QUALIWATT support scheme came into effect.

At the end of 2016, all the SOLWATT facilities together amounted to 121,490 installations for a capacity of 699 MWc. This number represents 95% of installations below 10 kW located in Wallonia. The average capacity per installation is approximately 5.75 kWc.

1 000 000 125 000 100 000 800 000 Cumulative capacity (kWc) 600 000 75 000 Cumulative number 400 000 50 000 25 000 200 000 0 0 2008 2015 2009 2010 2011 2012 2013 2014 2016 Cumulative number of installations Cumulative installed capacity

FIGURE 7 CHANGE IN THE NUMBER AND OUTPUT OF SOLWATT INSTALLATIONS

3.2.1.2. Photovoltaic installations – QUALIWATT

The change in the number of installations and in the installed capacity in Wallonia, relating to the installations benefiting from the QUALIWATT incentive, is updated on the CWaPE website on a monthly basis. The website also provides a quarterly breakdown of the maximum number of installations that may benefit from support for generation by DSO as well as the number of incentives paid.

At the end of 2016, the group of QUALIWATT facilities consisted of approximately 11,655 installations, 50 % of which were commissioned in 2016 (as evidenced by the RGIE inspection date), accounting for a total installed capacity of over 65 MWc and an average capacity per installation of approximately 5.5 kWc.

FIGURE 8 MONTHLY CHANGE IN QUALIWATT INSTALLATIONS COMMISSIONED IN 2016



More comprehensive information is available in the CWaPE's annual report since QUALIWATT installations do not receive a GC.

3.2.2. Other sectors up to 10 kW

In 2016, 15 new installations were registered. 11 hydropower sites and 4 wind power sites.

For the second year in a row, domestic micro-cogeneration units with a capacity of 1 kW are no longer increasing (none installed in 2016). Since 1 January 2015, these units are no longer eligible for a regional investment subsidy. However, based on the production readings submitted, the CWaPE notes the poor performance of these installations. As a result, these installations were only granted a GC in a very limited number of cases where CO₂ savings of at least 10% had been achieved. The best installations receive one green certificate per year at most. The requirements for producers to have their site recognised as a green electricity generation installation (installation of meters, on-site inspection by an inspection body, preparation of a certificate of guarantee of origin, sending of the readings to the CWaPE each quarter, etc.) therefore appear excessively complex given the benefit that can be obtained.

At the end of 2016, 233 non-photovoltaic installations below 10 kW were registered in the CWaPE database. This enabled the installed MW bar to be reached for the first time (1,058 kW installed at the end of 2016 as against 969 kW at the end of 2015).

TABLE 15 GREEN ELECTRICITY GENERATION SITES \leq 10 KW AT THE END OF 2016 (EXCLUDING THE PHOTOVOLTAIC SECTOR)

Generation sites ≤10 KW	Number of sites	Capacity (KW)
Hydraulic power	57	368
Wind	32	254
Biomass	10	81
Fossil cogeneration	134	355
Total	233	1 058

As in previous years, the CWaPE tasked an approved inspection body with carrying out an audit with a view to verifying producer statements and collecting, on a systematic basis, all the technical data required for the preparation of certificates of guarantee of origin for complex low-power installations (cogeneration and biomass), given that such installations are not currently subject to any prior inspection by a "GC" approved body. Furthermore, as part of this audit mission, random or targeted inspections of photovoltaic solar, hydropower and wind installations are also carried out.

3.3. Generation facilities⁴³

As at 31 December 2016, nearly 135,000 green electricity generation sites met the granting criteria for generation support of which more than 123,000 through green certificates (corresponding to a capacity of more than 2,100 MW) and 11,600 via the Qualiwatt programme (or 59 MW).

The table below breaks down these generation sites by type of technology and by sector. It distinguishes between sectors not using fuels (solar, wind, hydropower) for which generation costs are essentially determined by the investment cost (*CAPEX-driven technologies*) on the one hand, and the sectors using fuels (biomass and cogeneration) for which generation costs are essentially determined by operating and maintenance expenses (*OPEX-driven technologies*), on the other.

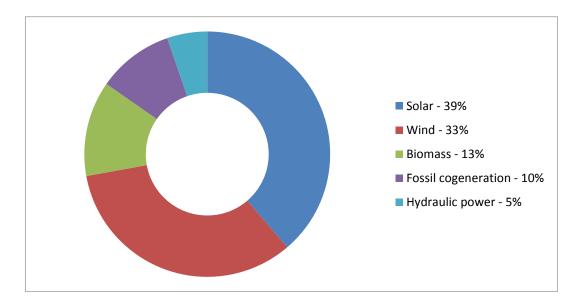
TABLE 16 GREEN ELECTRICITY GENERATION SITES AS AT 31 DECEMBER 2016

Sectors	Number of sites	Capacity (KW)
OPEX-driven technologies sub-total	134.502	1.679.390
Solar	134.275	840.044
Wind	110	724.773
Hydraulic power	117	114.573
OPEX-driven technologies sub-total	315	489.838
Biomass	70	272.414
Fossil cogeneration	245	217.424
Overall total	134 817	2 169 228

In terms of installed capacity, as shown in the diagram below, 77 % of the green-certified electrical power at the end of 2016 corresponded to the *CAPEX-driven* sectors and 23 % to the *OPEX-driven* sectors. The photovoltaic sector alone represented 39 % of total installed capacity at the end of 2016.

⁴³ Excluding Qualiwatt and any installations that do not benefit from support

FIGURE 9 BREAKDOWN BY SECTOR OF CERTIFIED ELECTRIC POWER AS AT 31 DECEMBER 2016 (MW)



3.4. Green electricity generation

3.4.1. Green electricity generation audit⁴⁴

As at 31 December 2016, the 135,000 certified generation sites had generated over 5.2 TWh of green electricity. The biomass (with or without cogeneration) and fossil cogeneration sectors accounted for more than half of green generation in 2016.

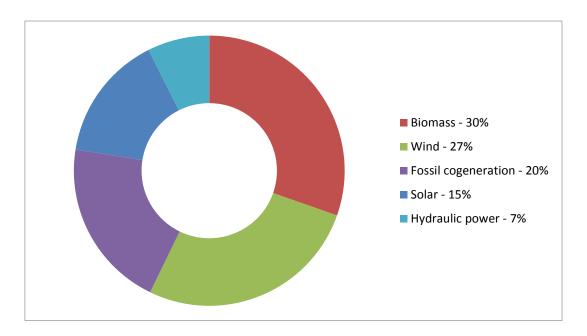
TABLE 17 OUTPUT OF GREEN ELECTRICITY GENERATION SITES AS AT 31 DECEMBER 2016

Sectors	Number of sites	Output (MWh)
OPEX-driven technologies sub-total	134.502	2.577.485
Solar	134.275	788.399
Wind	110	1.401.964
Hydraulic power	117	387.122
OPEX-driven technologies sub-total	315	2.650.212
Biomass	70	1.587.900
Fossil cogeneration	245	1.062.313
Overall total	134.817	5.227.697

In terms of production, as shown in the graph below, it can be seen that 51 % of green electricity generation was from "OPEX-driven" sectors and 49 % from "CAPEX-driven" sectors. While the solar power sector represented over 39 % of total installed capacity at the end of 2016, it only delivered 15 % of green production in that year. Annex 2 sets out developments in electricity generation for the last 10 years.

⁴⁴ Generation values are based on declarations from producers verified by an approved body and by the CWaPE, except for the production of solar power installations of less than 10 kW where production is estimated based on a production profile corrected to take into account the observed performance of the facilities. For declarations at the beginning of the year not starting on 1 January or at the end of the year not ending on 31 December, the declared production has been allocated pro rata temporis, except for solar power, where the corrected production profile has been used. This allocation begins with the initial reading for sites that are starting up. The values of sites for which generation data is not yet available have been extrapolated in the same manner, except in the case of a shutdown or an incident. For solar power, production is estimated based on the installed capacity multiplied by the expected daily sunshine duration starting in the month following the installation's initial reading.

FIGURE 10 BREAKDOWN BY SECTOR OF GREEN ELECTRICITY GENERATION OF CERTIFIED SITES AS A 31 DECEMBRE 2016 (MW)



3.4.2. Developments in production by sector over the period 2015-2016

The generation of green electricity 45,46 increased compared to the previous year (+4 %), reaching 5.2 TWh. The generation of renewable electricity 47 increased by 0.3 TWh, to 4.1 TWh.

The table below compares installed capacity (MW) and the production of green electricity (MWh) and renewable electricity (MWh-RES) by sector for 2015 and 2016. This table is commented on below.

⁴⁵ In accordance with the decree of 12 April 2001, green electricity comprises renewable electricity and electricity from high-quality cogeneration; it confers an entitlement to green certificates (see Chapter 2).

⁴⁶ The figures presented in the previous year's report were adjusted to take account of changes made pursuant to production corrections, dossiers which were submitted late, incomplete or rectified and an improved estimate of solar power generation taking into account the observed performance of the facilities.

⁴⁷ In accordance with the decree of 12 April 2001, renewable electricity only comprises electricity from renewable energy sources; under certain circumstances, it may be that it does not confer an entitlement to green certificates (e.g. for an installation that has already been receiving them for 15 years) (see Chapter 2). On the other hand, renewable electricity confers an entitlement to guarantee of origin labels, except in the case of compensation.

TABLE 18 DEVELOPMENTS IN GREEN ELECTRICITY GENERATION BETWEEN 2015 AND 2016

		Net	2015		2016 Net				2016-2015	5
Sectors	Fuel sectors	developable electrical capacity	Output	Renewable output	developable electrical capacity	Output	Renewable output		Variation	
		MW	MWh	MWh RES	MW	MWh	MWh RES	MW	MWh	MWh-RES
Solar		799	796,753	796,753	840	788,399	788,399	+5%	-1%	-1%
of which	Solwatt solar	654	672,102	672,102	654	630,970	630,970	-0%	-6%	-6%
	Qualiwatt solar	29	13,881	13,881	59	41,641	41,641	+104%	+200%	+200%
	Solar other <= 10 KW	0	138	138	0	88	88	+223%	-36%	-36%
	Solar > 10 KW	116	110,632	110,632	127	115,700	115,700	+9%	+5%	+5%
Hydraulic p	oower	111	327,402	327,402	115	387,122	387,122	+3%	+18%	+18%
Wind		674	1,511,574	1,511,574	725	1,401,964	1,401,964	+8%	-7%	-7%
Biomass		272	1,258,271	1,144,160	272	1,587,900	1,473,527	+0%	+26%	+29%
of which	Biogas - EL	21	64,749	56,712	21	65,097	64,963	0%	+1%	+15%
	Biogas - WWTP	7	26,752	15,013	7	40,163	24,360	0%	+50%	+62%
	Biogas - agricultural	13	89,515	88,978	14	90,541	90,254	+1%	+1%	+1%
	Bioliquid	3	130	126	3	34	34	+0%	-74%	-73%
	Solid - wood pellets	82	275,368	270,547	82	508,798	504,185	0%	+85%	+86%
	Solid - mixed wood	108	608,254	579,234	108	628,977	596,667	0%	+3%	+3%
	Solid - other	38	193,502	133,550	38	254,289	193,065	0%	+31%	+45%
Fossil coge	eneration	216	1,129,027	4,356	217	1,062,313	3,803	+1%	-6%	-13%
of which		198	1,096,583	0	200	1,051,823	0	+1%	-4%	-
	Biogas - gas co-combustion	18	32,444	4,356	18	10,490	3,803	0%	-68%	-13%
	Total	2,072	5,023,027	3,784,245	2,169	5,227,697	4,054,815	+5%	+4%	+7%

Comment:

The table above shows the net developable electric capacity for all sectors. In order to enable a comparison with the data from previous years, the table below shows the installed solar capacity expressed as peak capacity:

TABLE 19 CORRESPONDANCE BETWEEN NET DEVELOPABLE CAPACITY AND PEAK CAPACITY

		201	5 ⁴⁸	2016	
Sectors	Sector by scheme	Net developable electrical capacity	Installed electrical capacity	Net developable electrical capacity	Installed electrical capacity
		MW	MWc	MW	MWc
Solar		799	860	840	906
of which	Solwatt solar	654	698	654	698
	Qualiwatt solar	29	32	59	65
	Solar other <= 10 KW	0	0	0	0
	Solar > 10 KW	116	131	127	143

CAPEX-driven technologies

Renewable electricity production by sectors without fuels (solar, hydropower, wind) fell by 2 % in 2016 (compared to +11% in 2015 and +6% in 2014). These sectors are subject to uncontrollable weather factors and they all present annual and seasonal variability. Hydropower generation was excellent but could not counterbalance less exceptional sunshine that the previous year and less favourable wind.

⁴⁸ The figures for the year before were adjusted to take account of changes made pursuant to production corrections, dossiers which were submitted late, incomplete or rectified and an improved estimate of solar power generation taking into account the observed performance of the facilities.

The graph below provides an estimate of monthly electricity production during 2016 for photovoltaic installations. This estimate was established based on monthly developments in installed capacity as well as on the reference monthly production figures selected by the CWaPE (kWh/kWc/month) in order to take account of the weather conditions observed. It should be noted that the sub-optimal nature of the generation facilities, whether in terms of orientation, inclination or more general performance criteria, was also taken into account.

120 000 120 000 100 000 100 000 Solar power production 2016 (MWh) 80 000 60 000 60 000 40 000 20 000 20 000 Janvier Février Mars Avril Mai Juin Juillet Août Septembre Octobre Novembre Décembre ■≤10 KW Solwatt ■ ≤10 KW Qualiwatt ■ Expected output

FIGURE 11 MONTHLY GENERATION OF PHOTOVOLTAIC ELECTRICITY OBSERVED IN 2016 AND OUTPUT

Concerning annual variability, the table below provides the average usage times observed by sector in 2016 for existing installations as at 31 December.

TABLE 20 AVERAGE USAGE TIME OBSERVED BY SECTOR IN 2016⁴⁹

Sectors	Usage time (hours/year)	Reference
Solar	971	900-950
Wind	1,934	2,200
Hydropower	3,406	3,000

The fall in generation from *CAPEX-driven* sectors (-2 % as against +11 % in 2015) is mainly due to the wind sector (-7 %, +13 % in 2015) and photovoltaic solar generation which decreased slightly (-1 %, +8 % in 2015). The new solar capacities remain proportionally modest (+5 % increase in capacity, +8 % in 2015) thanks to installations above 10 kW (+9 %) and the controlled success of QUALIWATT (+104 %). These new capacities represent 42% of new green generation capacities for the year.

Photovoltaic facilities continued to grow at a faster pace than wind facilities in terms of installed capacity, but benefited from weather conditions, i.e. sunshine, closer to the norm. The average usage time observed for the photovoltaic sector was compatible with the reference values of 900 hours/year for installations \leq 10 kW and 950 hours/year for installations above 10 kW.

The hydropower sector saw a slight increase in capacity (+3%). Also subject to uncontrollable weather conditions, hydropower had an excellent year (+19%, +7% in 2015): this year was a record year in certified hydropower generation for 15 years.

As for the wind sector, its capacity had increased by 8% at 31 December 2016. This increase in capacity accounted for more than half (53%) of new installed green generation capacities in 2016. Nevertheless, wind electricity generation fell by 7 % following less favourable wind conditions.

OPEX-driven technologies

In 2016, more than half of the green electricity in Wallonia (50.7 % compared to 47.5 % in 2015) was generated by installations using fossil fuels and/or biomass.

The electricity production of these sectors is mainly influenced by the prevailing economic conditions (heat requirement for industrial processes) and, to a lesser extent, by weather-related factors (heat requirement for heating). The average length of use observed was distinctly higher than for sectors without fuel: it was 5,800 h/year for the biomass sector (as against 4,600 h in 2015) while the fossil cogeneration sector reached 5,300 h/an on average (as against 5,550 h in 2015).

The production in the fossil cogeneration sector slightly decreased in comparison to 2015 (-6 %) while the biomass sector increased considerably (+26 %), in particular following the upturn in production at the Awirs plant (wood pellets +85 %) as well as plants such as Biowanze and Electrawinds Mouscron (solid biomass excluding wood +31 %). These upturns in production are primarily attributable to an improvement in the financial prospects of certain power plants benefiting from the measures to rescue biomass, and to the developments in fuel prices. Production in waste water treatment plants (WWTP) also increased sharply (+50 %), a logical consequence of investments in the agri-food industry. The agricultural biogas, mixed wood and EL sectors remain stable.

Given the significant heterogeneity of the biomass sector, a specific section is devoted to it below. The biomass energy sectors are presented in the tables and graphs in decreasing order of primary energy consumption.

⁴⁹ Reference source: Proposal CD-14b11-CWaPE-861 on a "Methodology for calculating new green certificate granting rates"; Communication CD-14b26-CWaPE on the "Methodology for calculating the QUALIWATT incentive"; Walloon energy audit 2012, SPW, January 2015

3.4.3. Focus on the biomass sector

3.4.3.1. Classification of biomass types

Biomass covers a wide range of resources that are categorised as follows:

- solid biomass: primarily wood (in various forms: chips, bark, sawdust, pellets, etc.), but also household waste⁵⁰, animal fats and agricultural residue;
- liquid biomass or bioliquid: primarily (non-refined) vegetable oils such as rapeseed oil;
- gaseous biomass or biogas: resulting from a microbial conversion of solid or liquid biomass into methane.

Products or raw materials may fall into these biomass categories, but they can also include residue or waste in the sense that the material cannot readily be used for a purpose considered noble for technical reasons (e.g. wood covered with lead paint or water from the washing of beets), commercial reasons (e.g. spoiled vegetables) or legal reasons (e.g. tinned food with a passed expiry date). Because this designation is, by its nature, dependent on the point of view of the owner, it does not facilitate the categorisation of biomass. Furthermore, the continuous and generalised rise in the price of biomass over the past ten years shows the concept of waste is evolving towards that of a resource.

3.4.3.2. Classification of installations

The share of renewable energy used varies considerably from one installation to another. The table below shows the proportion of renewable primary energy observed in installations by category of biomass used in 2016. This proportion increased this year from 87 % to 91 %.

⁵⁰ Waste-to-energy units (incinerators) in Wallonia do not reach the threshold of 10 % of CO₂ emissions avoided. They do not therefore receive green certificates and their production is not included in these figures.

TABLE 21 PROPORTION OF RENEWABLE PRIMARY ENERGY BY BIOMASS CATEGORY IN 2016

Biomass	Percentage of renewable energy
Solid - mixed wood	94.3%
Solid - wood pellets	99.1%
Solid - other	69.6%
Biogas - EL	99.8%
Biogas - gas co-combustion	31.8%
Biogas - agricultural	99.7%
Biogas - WWTP	62.2%
Bioliquid	99.8%
Overall total	91.0%

Pursuant to an agreement, sites using over 50% renewable energy (biomass) are placed by the CWaPE in the "biomass sector" category. For most biomass sectors, a few tenths of percent of fossil energy alone are necessary to start up the installations. The biogas waste water treatment plant (WWTP) and non-wood solid biomass sectors use less biomass due to their industrial constraints (providing heat of a certain temperature, pressure or duration, etc.) or environmental constraints (effluent load, etc.).

Sites that use less than 50 % renewable energy (biomass) are placed by the CWaPE in the "gas co-combustion cogeneration sector" category. On average, these sites used 32 % renewable energy (compared to 14 % in 2015 and 8 % the previous year) and primarily operate in co-combustion mode (natural gas and biogas).

Overall, for all installations using biomass, energy of fossil origin (natural gas) accounts for just over 9% of primary energy in 2016.

3.4.3.3. Biomass audit 2016

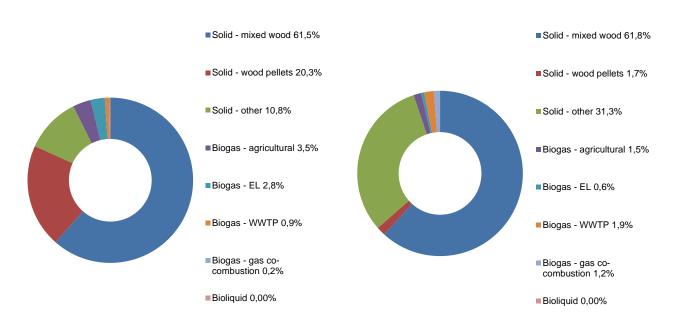
The table below takes stock by biomass energy sector category. Biomass consumption for electricity generation purposes in Wallonia amounted to 6.8 TWh in 2016. Thanks to cogeneration, 30% of the energy of sites using biomass was used in thermal applications (or 2.0 TWh and therefore a reduction in comparison to 2015) and 23 % is converted into electricity (or 1.6 TWh, or an increase of 0.3 TWh in comparison to 2015).

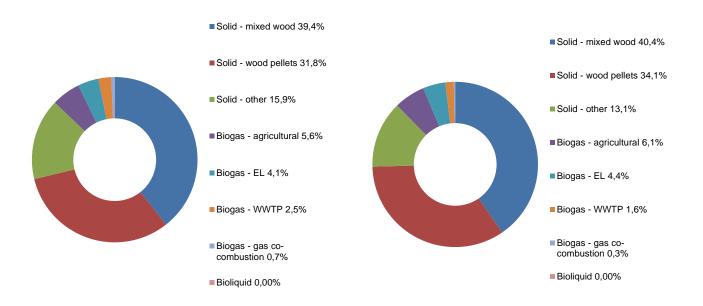
TABLE 22 ENERGY GENERATED BY BIOMASS CATEGORY IN 2016 (GWH)

Biomass (GWh)	Primary energy	Biomass primary energy	Thermal energy recovered	Net electricity	Renewable electricity
Solid - mixed wood	4,202.7	3,962.8	1,262.7	629.0	596.7
Solid - wood pellets	1,521.3	1,507.6	35.8	508.8	504.2
Solid - other	1,157.1	805.3	642.7	254.3	193.1
Biogas - EL	206.3	205.9	11.8	65.1	65.0
Biogas - gas co-combustion	37.0	11.8	24.1	10.5	3.8
Biogas - agricultural	266.7	265.7	30.8	90.5	90.3
Biogas - WWTP	108.2	67.3	39.3	40.2	24.4
Bioliquid	0.1	0.1	0.1	0.0	0.0
Overall total	7,499.3	6,826.5	2,047.4	1,598.4	1,477.3

The figures below show a breakdown between the different categories of biomass according to the approach (primary energy, thermal energy and electrical energy).

FIGURE 12 BIOMASS PRIMARY ENERGY IN 2016 FIGURE 13 THERMAL ENERGY RECOVERED IN 2016





3.4.3.4. Solid biomass

In Wallonia, as shown in the biomass energies audit table, over 87 % of biomass-based electricity generation, i.e. 1.4 TWh, comes from solid biomass. Apart from a few installations primarily using animal fats from abattoirs or low-grade fats, and one installation using bran, solid biomass consists of 82% wood (like in 2015). Solid biomass is not subject to the sustainability criteria of Directive 2009/28/EC. The entitlement to receive green certificates is, however, dependent on the verification by the CWaPE of the renewable nature of the resource (this renewable nature being defined by the decree of 12 April 2001 as "any source of energy (...) the consumption of which does not limit its future use"). However, the orders and decisions that result from it limit the verification to CO₂ emissions avoided. Nevertheless, for practical reasons and when it is available, operators prefer to use certified or controlled wood, the certification of which attests to sustainable forest management (FSC⁵¹, PEFC⁵²); it is then still necessary to add to this the CO₂ emissions throughout the fuel production, packaging and transport chain⁵³.

In 2016, wood pellets were used more than in 2015, but at a consumption level 70 % below that of 2010 (peak of consumption for electric purposes), still for economic reasons. The primary consumption of 1.50 TWh, corresponding to approximately 308,000 tonnes of wood⁵⁴, enabled the generation of 504 GWh of electricity.

Since 2008, pellets from Wallonia no longer confer an entitlement to subsidies in Flanders; having been replaced there by US pellets, their share in supplies to power plants in Wallonia had skyrocketed until it made up 75% of consumption. The proportion of Walloon pellets was gradually reduced⁵⁵ until it disappeared altogether in 2014. This reflected the demand from traditional users of sawdust and by-products of the wood industry (manufacture of panels and paper) while new users, who are Walloon wood pellet producers, saw their production capacity significantly under-utilised.

⁵¹ FSC: Forest Stewardship Council: <u>www.fsc.be</u>

⁵² PEFC: Programme for the Endorsement of Forest Certification Schemes: <u>www.pefc.be</u>

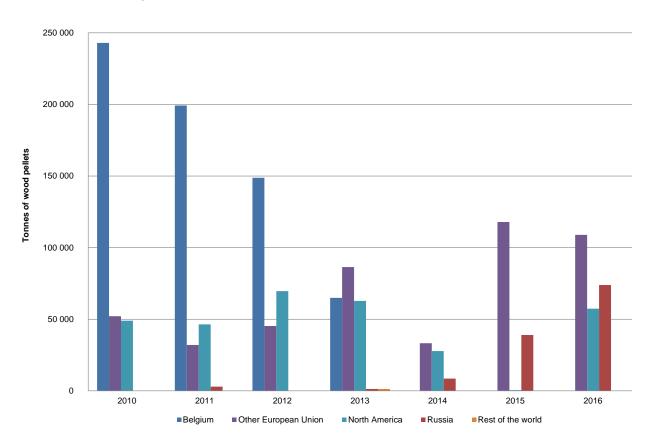
⁵³ The biomass certification of the Sustainable Biomass Partnership (SBP) includes the gathering of information required for the CO₂ calculation: https://sbp-cert.org/

⁵⁴ With a conversion factor of 1 tonne of wood = 4,900 kWh. This value is representative of the industrial pellets used in Wallonia.

⁵⁵ Walloon wood pellet production then switched to sale for domestic heating purposes while the importing of industrial pellets has facilitated the low-cost importing of domestic pellets without a proper check of their sustainable nature.

In 2016, the majority of imports came from Europe and from Russia. The methods for transporting these pellets over very long distances (by boat for long journeys) had specific emission rates (kg of CO₂ emitted per tonne of pellets) equivalent to, or even less than emissions relating to the transformation into pellets.

FIGURE 16 NNUAL CHANGE IN SOURCE OF SUPPLIES FOR THE 80 MW AWIRS POWER PLANT (TONNES OF WOOD PELLETS PER YEAR)



Excluding pellets, wood biomass generated 597 GWh of electricity in Wallonia. This wood accounts for 3.96 TWh of primary energy, which is the equivalent of approximately 976,000 tonnes of wood, in the form of residue from the processing of wood or, for example, wood from waste recycling facilities intended for energy recovery. The remaining solid biomass comprises animal fats and bran. These cogeneration units, which are integrated into industry, use these fuels in their processes as attested to by the overall electricity and heat conversion efficiency shown in the table below.

TABLE 23 ELECTRICAL AND HEAT EFFICIENCY OF BIOMASS INSTALLATIONS IN 2016

Biomass	Electrical efficiency	Electrical + heat efficiency
Solid - mixed wood	14.97%	45.01%
Solid - wood pellets	33.45%	35.80%
Solid - other	21.98%	77.53%
Biogas - EL	31.55%	37.28%
Biogas - gas co-combustion	28.36%	93.58%
Biogas - agricultural	33.95%	45.51%
Biogas - WWTP	37.12%	73.45%
Bioliquid	27.62%	77.35%
Overall total	21.31%	48.61%

Following the economic difficulties encountered by sites generating electricity from solid biomass (some of which had to shut down), the Walloon Government decided⁵⁶ to extend the rescue measure originally reserved for agricultural biomethanisation to solid biomass. These installations can thus benefit from a k_{ECO} economic coefficient in line with the reference rate of return set by the Walloon Government (see Chapter 2).

The conditions to be met in order to benefit from the measure are as follows:

- 1. The green electricity generation installation must be a solid biomass installation.
- 2. The green electricity generation installation must have a definitive licence prior to 1 July 2014.
- 3. The producer must demonstrate that the installation does not achieve the reference rate of return⁵⁷ in respect of the support scheme from which it benefits.

Based on the actual accounting data and a detailed business plan, the CWaPE determines a k_{ECO} economic coefficient specific to each installation by following the methodology adopted for the setting of the k_{ECO} economic coefficients. Five installations submitted an application.

TABLE 24 APPLICATION DOSSIERS FOR A KECO ECONOMIC COEFFICIENT (RESCUE)

Generation site		Net electrical capacity (kW)	Specific k _{ECO} application	KECO	Decision reference
97	BIOMASS WOOD AWIRS	80,000	Yes	1.768	CD-15j30-CWaPE
153	BIOMASS ELECTRAWINDS (MOUSCRON)	17,240	Yes	1.812	CD-16d22-CWaPE-0015
149	BIOMASS WOOD RENOGEN (KAISERBARACKE)	9,700	Yes	3.239	CD-16b22-CWaPE-0004
9,056	BIOMASS WOOD ENERWOOD (DISON)	950	Yes	2.486	CD-16l08-CWaPE-0048
148	BIOMASS WOOD VALORBOIS (THIMISTER-CLERMONT)	3,865	Yes		Clarifications requested

⁵⁶ Article 15 *octies* (2) of the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration

⁵⁷ Annex 7 of the order of the Walloon Government of 30 November 2006

3.4.3.5. Biogas

43% of biogas comes from agricultural biomethanisation and 33 % from engineered landfills (EL)⁵⁸. The rest comes from waste water treatment plants (WWTP), energy recovery from agri-industrial waste⁵⁹. With the exception of one installation in Libramont designed to use maize despite its location in the Ardennes, Walloon agricultural biomethanisation installations primarily use waste from the agri-food industry and to a lesser extent materials from agriculture, such as maize or liquid manure.

For waste water treatment plants with anaerobic digestion, such as at a number of sugar production sites, biogas is added. In this case, overall production is listed as biogas in co-combustion.

Following the significant difficulties encountered by agricultural biomethanisation sites, the Walloon Government decided 60 to create a rescue measure for producers with a licence. They can thus benefit from a k_{ECO} economic coefficient in line with the reference rate of return set by the Walloon Government (see Chapter 2).

The conditions to be met in order to benefit from the measure are as follows:

- 1. The green electricity generation installation must be an agricultural biomethanisation installation.

 NB: Within the framework of this rescue measure⁶¹, the CWaPE selected an exclusively technological criterion to specify the notion of agricultural biomethanisation: "an installation designed to enable biomethanisation of agricultural materials (maize taken as reference input) at a normal rate under nominal operating conditions".
- 2. The green electricity generation installation must have a definitive licence prior to 1 July 2014.
- 3. The producer must demonstrate that the installation does not achieve the reference rate of return⁶² in respect of the support scheme from which it benefits.

The value of the k_{ECO} coefficient applicable for these applications is that published by the CWaPE on 16 September 2014⁶³ for the BIOGAS - OTHER sector, i.e.:

k_{ECO} economic coefficient - BIOGAS - OTHER (CD-14i11-CWaPE)

Net developable electrical capacity ≤ 1,500 kW 3,5 Net developable electrical capacity > 1,500 kW 1,2

Based on the actual accounting data and a detailed business plan, the CWaPE determines a k_{ECO} economic coefficient specific to each installation having submitted a dossier in the context of the measure described above by following the methodology adopted for the setting of the k_{ECO} economic coefficients published on 16 September 2014. Sixteen dossiers were submitted of which thirteen in 2014⁶⁴, one in 2015 and two in 2016. Two other applications were received in 2016.

⁵⁸ The Tenneville engineered landfill (EL) also has a biomethanisation unit. The biogas produced on-site from domestic waste comes from both the landfill and biomethanisation, without it being possible to distinguish between them. For the purposes of this report, it has been placed in the "Biogas - EL" category.

⁵⁹ For the purposes of this report, the Vanheede group's waste processing site in Quévy has been placed in the "biogas - agricultural" category due to the similarity with the materials processed by the installations in this category.

⁶⁰ Article 15 *octies* (2) of the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration

⁶¹ Management committee meeting of 14 September 2014

⁶² Annex 7 of the order of the Walloon Government of 30 November 2006

⁶³ See CD-14i11-CWaPE - Communication on the k_{ECO} coefficients applicable to the different green electricity generation sectors for the period from 1 July 2015 to 31 December 2015.

⁶⁴ A list of applicants and the related decisions is available at www.cwape.be

3.4.3.6. Liquid biomass

The liquid biomass sector is marginal because it mainly consists of very small-scale installations using rapeseed oil produced locally. This biomass satisfies the sustainability criteria established by the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration.

3.5. Green electricity generation in relation to electricity supply

The electricity output of green certified installations based on the quantity of electricity supplied to third parties in Wallonia grew in relative terms and reached 25.0 % (23.7 % in 2015). The figure below shows the rise in green certified production in 2016 compared to this supply to third parties.

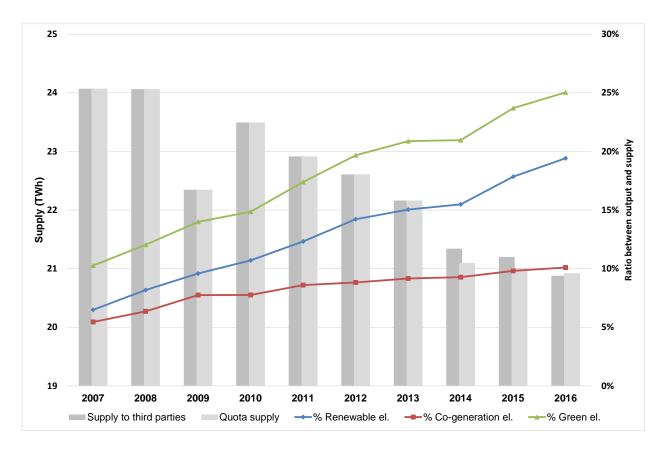
Over the period 2003-2016 the electricity generated from renewable energy sources in Wallonia increased from 2.5% to 19.4% of supply to third parties. With regard to high-quality cogeneration (CHP-E), it increased from 4.5% to 10.1%

Because it translates the changes in the electricity market, the basis for comparison chosen is *supply to third parties*, defined as supply to end customers with the deduction of suppliers' own consumption (in particular the powering of nuclear and pumped storage power plants). Supply to third parties is separate from *supply subject to a quota* which, since 1 July 2014, uses supply to end customers without deducting suppliers' own consumption (exactly like green producers whose functional electricity drawn from the network is subject to a quota) nor conventional self-generated production, but excludes protected customers (see chapter 5).

The figure below shows the developments in the share of green electricity generation in electricity supply to third parties in Wallonia and compares the supply subject to a quota to the supply to third parties.

⁶⁵The total exceeded the electricity output of green certified installations because a portion of the green electricity was generated from renewable energy in high-quality cogeneration.

FIGURE 17 DEVELOPMENTS IN GREEN ELECTRICITY GENERATION COMPARED TO SUPPLY IN WALLONIA



3.6. Level of support by sector⁶⁶

For all green electricity generation facilities, the effective average granting rate was 1.658 GC/MWh (1,679 GC/MWh in 2015). This high, yet still falling value can be attributed to the significant share of the photovoltaic sector in green certificate issuances, a logical result of the application of the multiplier coefficients scheme, the effects of which were still being felt, and to the measures to rescue biomass.

With an average purchase price in 2016 of EUR 65.33/GC (-0.9 % compared to 2015) for SOLWATT producers and EUR 68.24/GC (-2.7 %) for other producers (see Chapter 4), the average support is estimated at EUR 110.50/MWh, which is a decrease of approximately 3.6 % compared to 2015 (EUR 114.66/MWh).

The table below provides the values for the average level of support by sector in 2016.

⁶⁶The figures for the year before were adjusted to take account of changes made pursuant to production corrections, dossiers which were submitted late, incomplete or rectified and an improved estimate of solar power generation taking into account the observed performance of the facilities.

TABLE 25 AVERAGE LEVEL OF SUPPORT PER SECTOR IN 2016 (GC MARKET PRICE IN ITALICS - SEE CHAPTER 4)

Sectors	Average granting rate	Average price to the producer	Average level of support
	GC/MWh	EUR/GC	EUR/MWh
Solar	5,719	67,15	383,99
Solwatt solar	6,514	65,33	425,54
Qualiwatt solar	0,000	0,00	168,43
Solar > 10 KW	3,447	68,24	235,81
Hydraulic power	0,397	68,24	27,10
Wind	1,000	68,24	68,22
Biomass	1,489	68,24	101,61
Biogas - EL	1,103	68,24	75,25
Biogas - WWTP	1,031	68,24	70,34
Biogas - agricultural	2,762	68,24	188,45
Bioliquid	1,554	68,24	106,05
Solid - wood pellets	1,417	68,24	96,67
Solid - wood other	1,272	68,24	86,83
Solid - other	1,887	68,24	128,80
Fossil cogeneration	0,103	68,24	7,03
Gas co-generation	0,094	68,24	6,40
Biogas - co-combustion	1,030	68,24	70,31
Average	1,633	67,66	110,50

This table illustrates in particular the ability of the Walloon green certificate mechanism to adjust the level of support for green electricity based both on the CO2 savings rate achieved and the additional generation costs for each sector. This average support can therefore be directly compared with a *feed-in premium* system; a comparison with a *feed-in tariff* system, however, requires the addition of the selling price of the electricity to the values set out above.

Levels of support are highest for the solar power sector, followed by the biomass, wind power, hydropower and finally the natural gas fossil cogeneration sectors.

The average support granted for photovoltaic installations of less than 10 kW is clearly falling: on one hand, the Solwatt mechanism is no longer accepting new dossiers while the gradual reduction in the number of green certificates per MWh for scaled down schemes is starting to be felt; on the other, the Qualiwatt mechanism in effect provides for a revision of the support granted every 6 months. The average support for photovoltaic installations of more than 10 kW is also falling.

For the biomass sector, agricultural biomethanisation installations and those that use solid fuels other than wood benefit from the highest level of support. The lowest level of support is for co-combustion installations and wood pellets. This support varies from one year to another based on the performance of the installations.

A lower level of support for the hydropower sector compared to wind power can be explained by the application of a reducing coefficient for legacy installations (see Chapter 2).

The level of support for the natural gas cogeneration sector can be explained by a CO2 savings rate that is lower than for biomass installations, as well as by the limitation of support to the first tranche of 20 MW of installed capacity.

The graph below shows the cost of the different sectors in terms of the electricity generated in 2016. In this figure, the surface area of each rectangle corresponds to the cost of the sector, the height to the unit cost of support and the base to electricity production. Over 78 % of the green electricity generated in 2016 benefited from a level of support

under EUR 100/MWh. The 3 green sectors with the lowest cost are gas cogeneration, hydropower and wind power. They generated more than half the green electricity last year and saw their capacity increase.

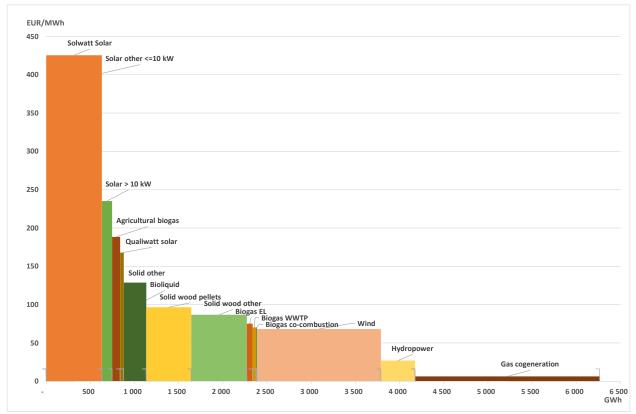


FIGURE 18 LEVEL OF SUPPORT VS GREEN ELECTRICITY GENERATED - 2016

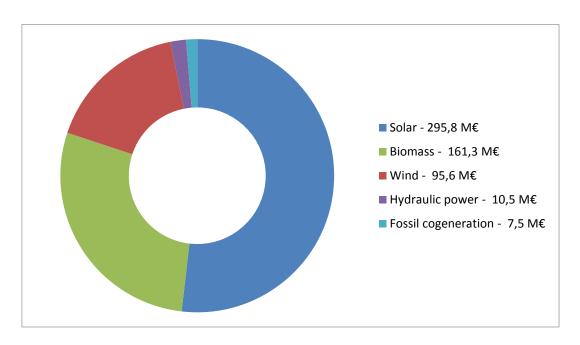
The table below shows the total level of support in decreasing order excluding compensation by sector. These costs were obtained by multiplying, for each sector, the average level of support by the quantity of electricity generated. In total, support for green electricity generation is estimated at EUR 577.7 M for 2016 (+0.3%).

TABLE 26 BREAKDOWN OF COST OF MECHANISM BY SECTOR – 2016 (EUR M)

	2015	2016	Variation
Sectors	EUR M	EUR M	%
Solwatt solar	298.1	268.5	-10%
Wind	105.9	95.6	-10%
Solid - wood other	52.2	54.6	+5%
Solid - wood pellets	19.4	49.2	+154%
Solid - other	26.1	32.8	+26%
Solar > 10 KW	27.4	27.2	-1%
Biogas - agricultural	17.4	17.1	-2%
Hydropower	8.7	10.5	+21%
Qualiwatt solar	3.7	7.0	+89%
Gas co-generation	8.2	6.7	-18%
Biogas - EL	5.0	4.9	-3%
Biogas - WWTP	1.7	2.8	+67%
Gas cogeneration with biogas	2.1	0.7	-65%
Solar - other > 10 KW	0.06	0.04	-40%
Bioliquid	0.01	0.00	-73%
OVERALL	575.9	577.7	+0.3%

The graph below shows the contribution of each sector to the total cost of the green certificate mechanisms and QUALIWATT. It can be seen that the photovoltaic sector still accounts for over half (52 %) of the total cost, a reduction in comparison to the previous year (57 %). The "OPEX-driven" sectors (fossil and biomass cogeneration) represent 29% of the total cost of the mechanism while they generate 51% of green electricity.

FIGURE 19 BREAKDOWN OF COST OF SUPPORT MECHANISMS BY SECTOR – 2016



4. **GC MARKET**

Granting of GCs

4.1.1. Developments over the period 2003-2016

Until 2009, issuances⁶⁷ of GCs mainly concerned installations with a capacity above 10 kW. With the introduction of a multiplier factor for photovoltaic installations with a capacity less than or equal to 10 kW, the SOLWATT sector has accounted for an increasingly significant share in the total number of GCs issued in the Walloon Region.

While the SOLWATT sector only accounted for approximately 20% of total GC issuances in 2010, it reached its highest level of almost 54% in 2015. In 2016, the SOLWATT sector only accounted for 46 % of total GC issuances. These issuances resulted from the readings submitted by producers.

The issuances relating to the readings submitted by SOLWATT producers accounted for approximately 2,045,000 GC in 2013, approximately 3,720,000 GC in 2014, over 4,115,000 GC in 2015 and approximately 3,909,000 GC in 2016. It should be noted that issuances relating to the readings submitted by producers for 2010, 2011 and 2012 were estimated⁶⁸ based on the average time frame for the reimbursement of the GCs granted in advance, taking into account the installed capacity and the average amount of sunshine recorded.

The number of GCs granted in advance has been negligible since 2014 due to the limitation of the eligibility for the measure of photovoltaic installations with a net capacity below or equal to 10 kW for which the reference date for determining the provisions used for granting GCs is before 19 July 2013.

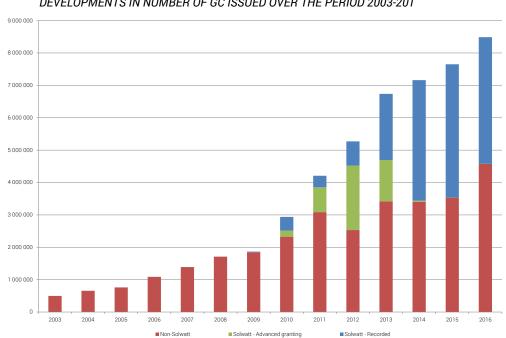


FIGURE 20 DEVELOPMENTS IN NUMBER OF GC ISSUED OVER THE PERIOD 2003-201

⁶⁷ Issuance: the number of GCs granted and then deposited in the producers' accounts which then become available for sale on the market.

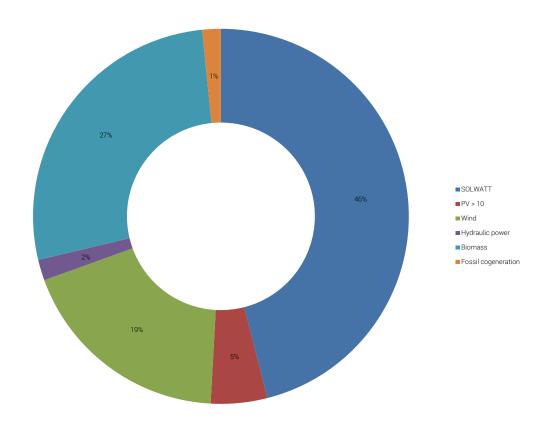
⁶⁸ Until mid-2012, the statistics available to the CWaPE did not make it possible to distinguish, for generations sites having benefited from advance granting, between the GCs used, on the one hand, to reimburse the GCs granted in advance and, on the other, the GCs no longer used to reimburse the GCs granted in advance and therefore available for sale on the market ("issuances"). An IT update made it possible to make this distinction and therefore avoid any need to make estimates for subsequent years.

In total, for the period 2003-2016, all sectors taken together, almost 50,400,000 GCs were granted, including over 30,800,000

GCs for installations above 10 kW (61 % of GCs granted) and almost 19,600,000 GCs for SOLWATT installations (39 % of GCs granted).

In 2016, approximately 8,487,000 GCs were issued. 54 % of GCs issued were from "non-SOLWATT" installations and 46 % were GCs issued subsequent to readings submitted by SOLWATT producers.

FIGURE 21 BREAKDOWN BY SECTOR OF GC ISSUED IN 2016

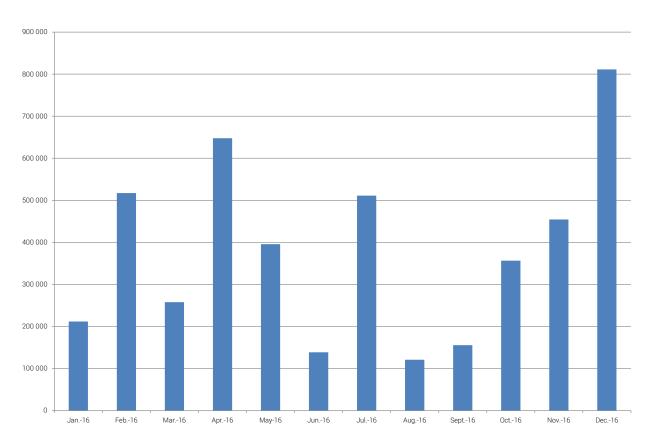


4.1.2. Developments in 2016

4.1.2.1. Sites generating more than 10 kW

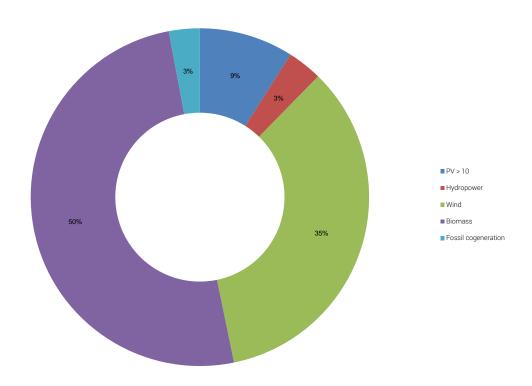
In 2016, more than 1,250 generation readings were transmitted on a quarterly basis on average to the CWaPE. In total, approximately 4,578,000 GCs were granted on the basis of these readings in 2016.

FIGURE 22 GC GRANTED TO INSTALLATIONS GENERATING MORE THAN 10 KW IN 2016



As illustrated in the graph below, the share of GCs granted to generation sites in the biomass and wind sectors alone accounted for approximately 85 % of the GCs granted to sites generating more than 10 kW in 2016.

FIGURE 23 GC GRANTED TO INSTALLATIONS GENERATING MORE THAN 10 KW IN 2015 - BREAKDOWN BY SECTOR



The average processing time for GC granting was still approximately three months depending on the complexity of the installation and the checks required by the legislation (record of inputs, calculation of effective CO_2 savings rate, reasonable recovery of heat, etc.).

All photovoltaic installations have, since 2013, gradually been able to benefit from IT developments aimed at giving producers access to the system for the online inputting of readings, as is the case for the approximately 120,000 installations with a capacity below or equal to 10 kW. Following a running-in period in 2013, the online inputting system became fully operational in 2014 by in particular making possible the online activation of sales of GCs to Elia at the guaranteed price of EUR 65/GC while integrating the specific constraints relating to the limited period of this purchase guarantee (period calculated by the CWaPE on a case-by-case basis; see next section).

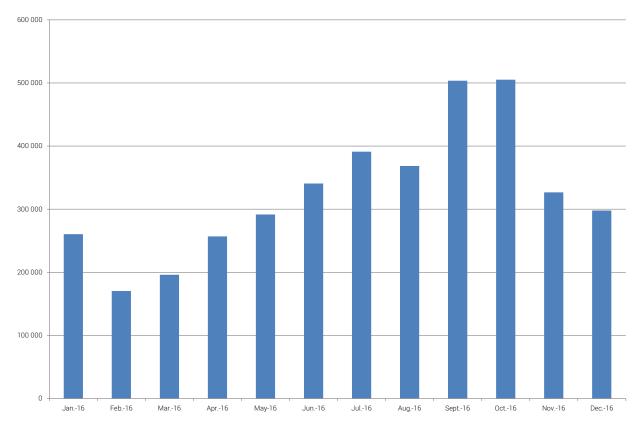
4.1.2.2. Sites generating less than 10 kW

Photovoltaic installations

SOLWATT producers submitted almost 268,000 readings in 2016. Based on these readings, following the deduction of the GCs set aside and used to first reimburse the advance granting, approximately 3,909,000 GCs were issued and deposited in these producers' accounts.

The mechanism for the advance granting of GCs, introduced in the wake of the abolition of the SOLWATT incentives, was put in place in June 2010. The number of GCs granted in advance corresponded to the number of GCs expected for an installation during its first five years of operation. This amount was capped at 40 GCs. In July 2013, advance granting was terminated for new photovoltaic installations.

FIGURE 24 GC GRANTED TO SOLWATT INSTALLATIONS IN 2016



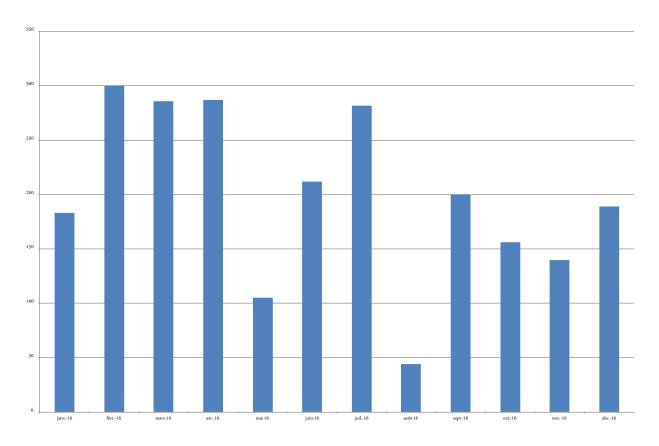
The CWaPE extranet service made available to SOLWATT producers enables the online inputting of production readings. Producers have to input their readings each quarter. The number of readings input was on average 735 per day, with peaks of up to 2,500 per day.

The rate of activity, i.e. the ratio between the number of SOLWATT producers who submitted a production reading for year n and those who did not, was 91 % for 2016. The highest rate of inactivity is observed for installations commissioned in 2012 (approximately 3,700 installations).

Other sectors

In 2016, approximately 2,400 GCs were granted to non-photovoltaic installations of less than 10 kW. It can be seen that this number of GCs is negligible compared to the total number of GCs granted to SOLWATT installations and installations generating more than 10 kW.

FIGURE 25 GC GRANTED TO NON-PHOTOVOLTAIC INSTALLATIONS GENERATING LESS THAN 10 KW IN 2016



4.2. Sale of GCs

4.2.1. GC transactions

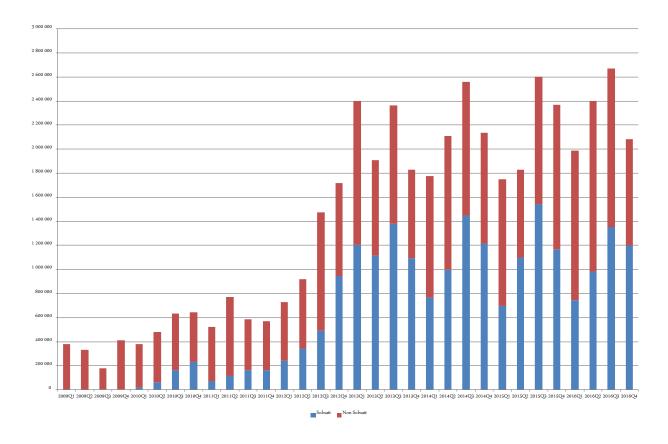
The period 2013 to 2016 was characterised by a significant number of transactions, mainly attributable to the high number of small-scale producers who sold GCs granted based on readings submitted via the CWaPE extranet service.

TABLE 27 DEVELOPMENTS IN TRANSACTIONS OVER THE PERIOD 2009-2016

	Solwatt		Non-S	olwatt	Overall market		
Years	Transactions	GC volume	Transactions	GC volume	Transactions	GC volume	
	Number	Number	Number	Number	Number	Number	
2009	364	9 770	329	1 287 921	693	1 297 691	
2010	20 697	468 909	475	1 670 449	21 172	2 139 358	
2011	16 666	512 225	569	1 931 292	17 235	2 443 517	
2012	63 154	2 020 503	1 167	2 824 108	64 321	4 844 611	
2013	188 881	4 792 070	1 357	3 709 894	190 238	8 501 964	
2014	233 111	4 421 627	1 994	4 158 849	235 105	8 580 476	
2015	241 615	4 508 679	2 828	4 034 511	244 443	8 543 190	
2016	226 230	4 275 398	3 204	4 862 699	229 434	9 138 097	

In 2016, there were over 229,000 transactions totalling approximately EUR 611 M (excl. VAT) identified. They represent a total volume of over 9,138,000 GC, i.e. approximately 108 % of the GCs issued in 2016.

FIGURE 26 QUARTERLY DEVELOPMENTS IN NUMBER OF GC SOLD OVER THE PERIOD 2009-2016



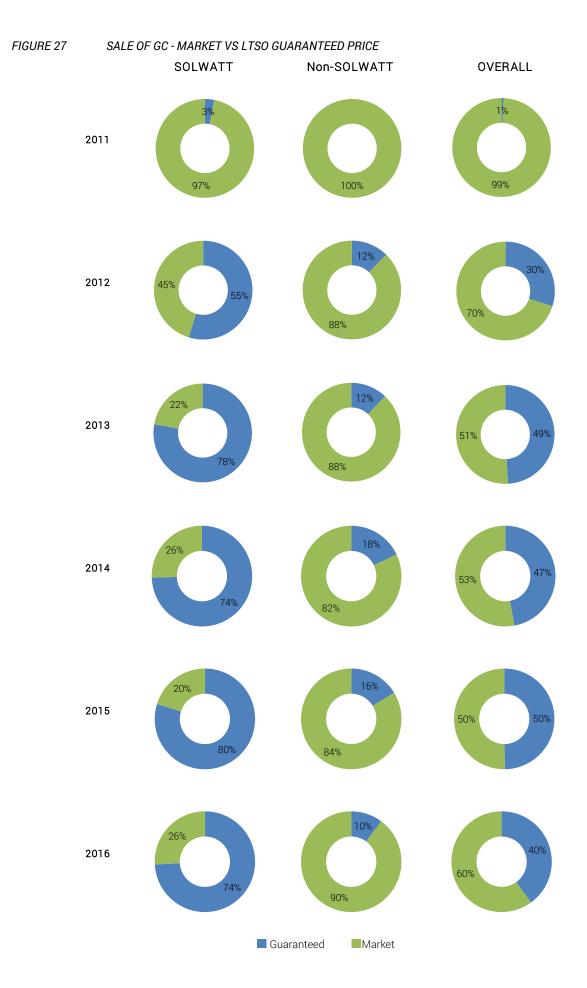
Based on the figure above, it can be seen that the GCs sold originating from the SOLWATT sector accounted for an increasing share of the GCs sold over the period 2009-2015 with, however, a reduction observed in 2016. Specifically, almost 53% of the number of GCs sold in 2016 came from the Non-SOLWATT sector.

4.2.2. Sales options for GCs

Producers have the option of selling their GCs on the market or at the guaranteed price. The choice of the guaranteed price is made at the time of the submission of the readings and is automatically available to installations with a capacity less than or equal to 10 kW. As regards advance granting, the decision to opt for the guaranteed price or for the sale of GCs on the market can be made by the green electricity producer throughout the period of validity of the GCs, i.e. 5 years.

By way of reminder, for installations generating more than 10 kW subject to the old scheme, in order to benefit from the purchase guarantee provided by the local transmission system operator (LTSO), Elia, the green producer is required to submit an application to the authorities. The period of validity of the purchase obligation is determined by the CWaPE based on a methodology it publishes. It should be noted that, for installations subject to the GC allocations and reservation scheme, the GC purchase obligation is 10 or 15 years depending on the sector and no longer requires a specific application.

The figure below illustrates developments in the share of GCs sold on the market or at the guaranteed price over the period 2011-2016. The SOLWATT sector stands out from the other sectors.

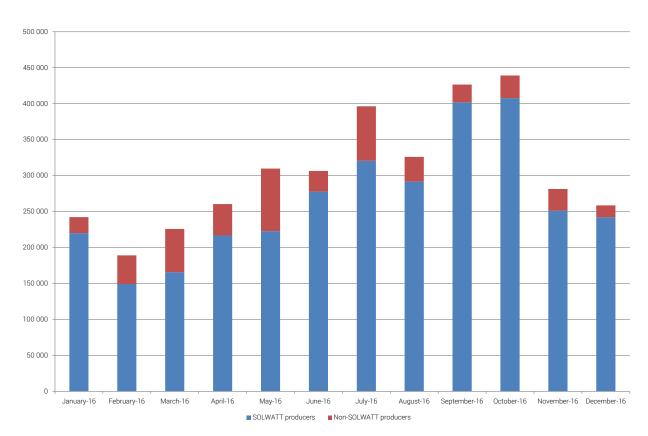


There was high use of the guaranteed price system organised through the local transmission system operator (Elia) for the SOLWATT sector: 3% of sales in 2011, almost 80% in 2015 and 74 % in 2016. For non-SOLWATT sectors there were no sales at the guaranteed price in 2011, followed by approximately 12% of sales for 2012 and 2013, nearly 16 % in 2015 and approximately 10 % in 2016. In the market as a whole ("Overall"), sales at the guaranteed price accounted for almost half of sales in 2013, 2014 and 2015 and approximately 40 % in 2016.

In total, over 3,661,000 GCs were sold to Elia in 2016, of which approximately 3,167,000 GCs were granted to SOLWATT producers, so approximately 86% of the GCs sold to Elia in 2016, with the remaining 494,000 GCs coming from installations above 10 kW.

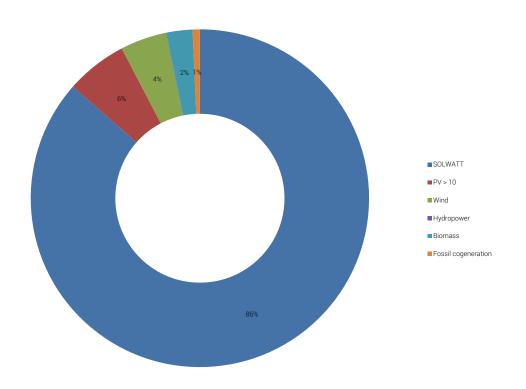
The figure below shows developments in the number of GCs sold to Elia in 2016.

FIGURE 28 MONTHLY DEVELOPMENTS IN NUMBER OF GC SOLD TO THE LTSO (ELIA) AT GUARANTEED PRICE OF 65 EUR/GC (EXCL. VAT)



The huge surge in sales to Elia by producers is creating a significant additional workload for the CWaPE and Elia, which have had to implement cooperation and monitoring procedures so as to ensure the proper execution of payments.

FIGURE 29 GC SOLD TO ELIA AT GUARANTEED PRICE OF EUR 65/GC (EXCL. VAT) IN 2016 – BREAKDOWN BY SECTOR



Approximately 5,600 GCs were sold at the federal guaranteed price (EUR 150/MWhe-RES) via the transmission system operator (Elia) and the vast majority of these were the GCs granted to installations above 10kW. This federal guaranteed price was activated, on the one hand, by SOLWATT producers with an installation for which the installed peak capacity is over 10 kWc and which benefit from a granting rate of 1 GC/MWh for production relating to the tranche of capacity above 10 kWc and, on the other hand, by producers with photovoltaic installations above 10 kW for which the installed peak capacity is over 250 kWc and which therefore benefit from a granting rate of 1 GC/MWh for production relating to the tranche of capacity above 250 kWc. The Royal Decree of 16 July 2002 was amended on 21 December 2012 and henceforth limits this federal GC purchase guarantee to the offshore wind power sector, photovoltaic installations commissioned before 1 August 2012 and installations generating electricity from water or tides.

The figure below illustrates developments in the number of GCs sold on the market in 2016. It shows quarterly developments relating to the granting of GCs for installations generating more than 10 kW ("Non-SOLWATT").

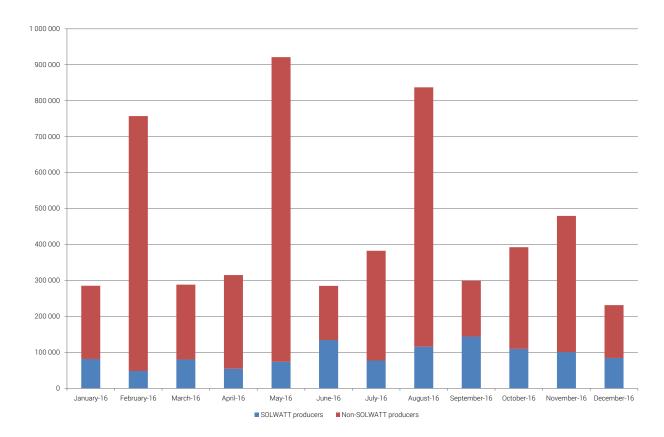


FIGURE 30 MONTHLY DEVELOPMENTS IN NUMBER OF GC SOLD ON THE MARKET

It can also be seen that sales on the market are dominated by GCs from sectors other than the SOLWATT sector. In total, approximately 5,476,000 GCs were sold on the market in 2016, 4,368,000 of which came from installations generating more than 10 kW (80% of sales on the market) and 1,108,000 from SOLWATT installations (20%).

In summary, of the total number of GCs sold in 2016, 40 % were sold at the guaranteed price to the local transmission system operator (Elia) and 60 % were sold on the market. Of the total number of GCs sold at the guaranteed price, 86 % came from the SOLWATT sector. Moreover, of the total number of GCs sold on the market, 80 % came from installations generating more than 10 kW.

4.2.3. Price developments

Since June 2013, each month the CWaPE has published the average price paid to producers per green certificate in Wallonia while making a distinction between what is sold by SOLWATT producers and what is sold by other green electricity producers. An average price for all the sectors is also published ("Overall market").

The surplus of GCs on the market has resulted in a gradual drop in selling prices. These prices cover forward contracts concluded in the past (not affected by the current imbalance), new forward contracts (potentially affected by the current imbalance) and sales on the "spot" market. A sharper drop can therefore be seen in selling prices for SOLWATT producers, which do not for the most part have forward contracts and mostly sell to Elia at the minimum price guaranteed of EUR 65/GC (excluding VAT).

For other producers, the price drop is less marked. These prices are mostly still covered by forward contracts preceding the imbalance on the market. It can, however, be seen that since the end of 2013 this initial trend has tended to fade.

The table below indicates the values for transactions carried out in 2016. This is the price paid to green electricity producers for all types of GC sale transactions, whether on the *spot* market or on the basis of forward contracts. It shows the average price in the market on the one hand (all sales excluding those at the guaranteed price) and, on the other hand, the average price across all sales ("Market & guaranteed price").

TABLE 28 AVERAGE PRICES FOR GC TRANSACTIONS IN 2016

	Price to the producer											
	Solwatt			Non-Solwatt			Overall market					
	Transactions	GC volume	ne Average price		Transactions	GC volume	Average price		Transactions	GC volume	Average price	
	Number	Number	Market	Market & guaranteed pric	Number	Number	Market	Narket & guaranteed pric	Number	Number	Market	Market & guaranteed price
	Number	Number EUR/0	EUR/GC	EUR/GC	inuinber	ivuinber	EUR/GC	EUR/GC	Number		EUR/GC	EUR/GC
2016Q1	51 881	745 825	67,36	65,67	769	1 242 613	69,71	69,24	52 650	1 988 438	69,33	67,90
2016Q2	56 030	980 551	66,12	65,30	708	1 417 564	69,15	68,69	56 738	2 398 115	68,63	67,30
2016Q3	59 495	1 352 172	66,08	65,27	821	1 316 262	67,46	67,21	60 316	2 668 434	67,15	66,23
2016Q4	58 824	1 196 850	65,93	65,23	906	886 260	67,92	67,66	59 730	2 083 110	67,39	66,26
2016	226 230	4 275 398	66,29	65,33	3 204	4 862 699	68,61	68,24	229 434	9 138 097	68,14	66,88

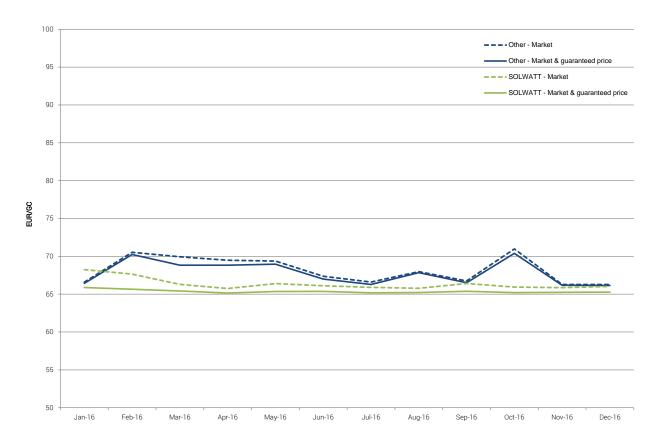
In 2016, the average unit price in the market (excluding guaranteed price) for all sectors was EUR 68.14, which is a drop of almost EUR 20 compared to the average price in 2009.

FIGURE 31 QUARTERLY DEVELOPMENTS IN AVERAGE GC SELLING PRICE OVER THE PERIOD 2009-2015



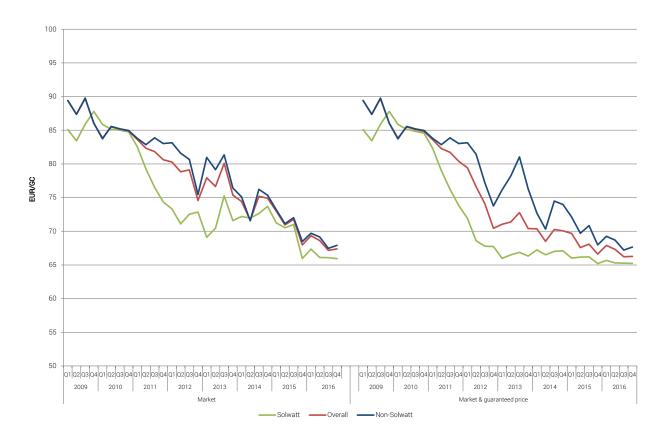
The monthly developments in the average green certificate selling price during 2016, as illustrated in the figure below, generally range from EUR 65/GC to EUR 70 /GC.

FIGURE 32 MONTHLY DEVELOPMENTS IN AVERAGE GC SELLING PRICE IN 2016



As regards the average green certificate selling price in the market, the "Overall" average price (all sectors taken together) fell from EUR 86/GC in the fourth quarter of 2009 to EUR 67/GC in the last quarter of 2016, which is a decrease of approximately EUR 19/GC in the space of 7 years. Looking at the "Overall" average price while taking into account sales at the guaranteed price, the decrease is approximately EUR 20/GC.

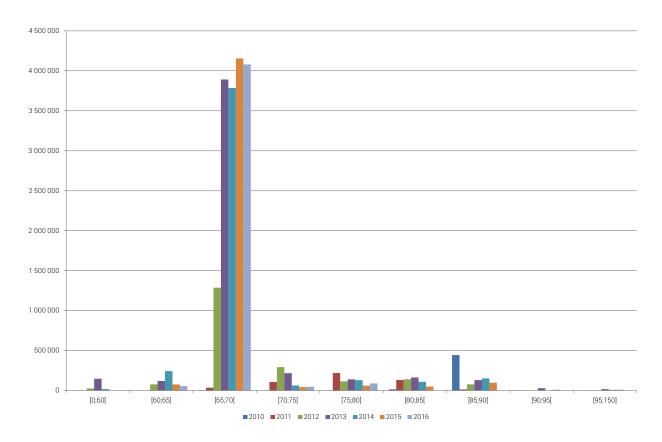
FIGURE 33 FALL IN AVERAGE GC SELLING PRICES OVER THE PERIOD 2009-2016



4.2.3.1. Photovoltaic sector generating less than 10 kW

As the figure below illustrates, the annual average values conceal a distinct variability in GC prices. In almost 78 % of cases, these were sold at a price of between EUR 65/GC and EUR 70/GC over the period 2010-2016.

FIGURE 34 VARIABILITY IN "SOLWATT" GC SELLING PRICES OVER THE PERIOD 2010-2016



While in 2010 the mode⁶⁹ of transactions at EUR 85/GC dominated the market, a slide towards lower price intervals could be seen in 2011 and particularly in 2012. This trend has become more marked since 2013.

In 2016, approximately 88% of GCs were sold at a price of EUR 65/GC, while approximately 1 % were sold at a price below EUR 65/GC and, finally, 11 % were sold at a price above EUR 65/GC.

4.2.3.2. Sectors generating more than 10 kW

A certain degree of variability in the price of GCs was also observed in the other sectors. Nevertheless, in approximately 58 % of cases these were sold at a price above or equal to EUR 70/GC over the period 2010-2016.

⁶⁹ In the statistical sense, mode means the most represented value of any variable within a given population; graphically, it corresponds to a peak.

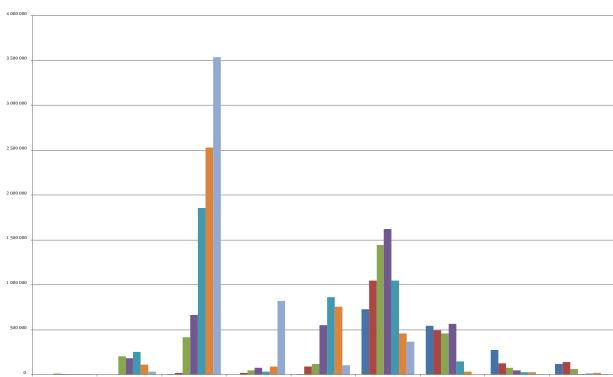


FIGURE 35 VARIABILITY IN "NON-SOLWATT" GC SELLING PRICES OVER THE PERIOD 2010-2016

As for the SOLWATT sector, a slide towards lower price intervals can be observed. However, since 2010, the majority of GC transactions have been carried out at a price of between EUR 80/GC and EUR 84/GC. The trend changed in 2014 since approximately 44% of GCs were sold at a price between EUR 65 and 70. This trend continued in 2015 with around 63 % of GCs sold at a price between EUR 65 and 70 and more in 2016 with approximately 73 % of GCs sold at a price between EUR 65 and 70.

2010 2011 2012 2013 2014 2015 2016

Finally, while the number of GCs sold at a price below EUR 80/GC amounted to no more than 170 GCs in 2010 (0.01%), this figure increased significantly to reach approximately 790,000 GCs in 2012 (27.9%), almost 1,480,000 GCs in 2013 (approximately 40%), almost 3,000,000 GCs in 2014 (71%), over 3,494,000 GCs in 2015 (87%) and nearly 4,490,000 GCs in 2016 (92%).

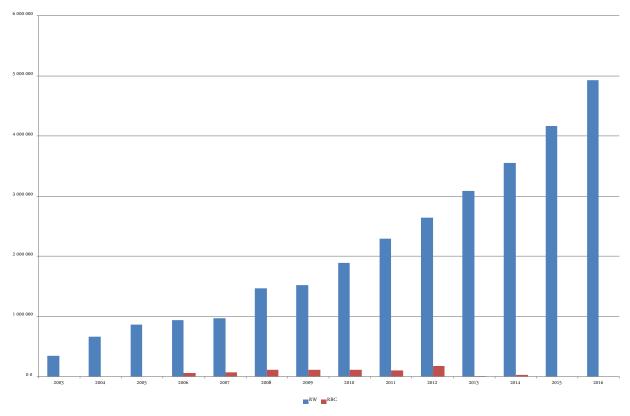
4.3. Cancellation of GCs with a view to meeting the quota return obligation

This section refers to the cancellation of GCs by suppliers and distribution system operators (DSO) with a view to meeting their quota obligation in the Walloon Region (WR).

Unlike the next chapter on the GC quotas applicable for 2016, this section is based solely on the effective date of the logging by the supplier or the DSO, in the CWaPE database, of the GC cancellation transaction specific to its quota. As soon as the transaction is logged in the CWaPE database, the GCs relating to that transaction are no longer available on the market.

The figure below shows developments in the cancellation of GCs over the period 2003-2016 based on the transaction cancellation logging date.

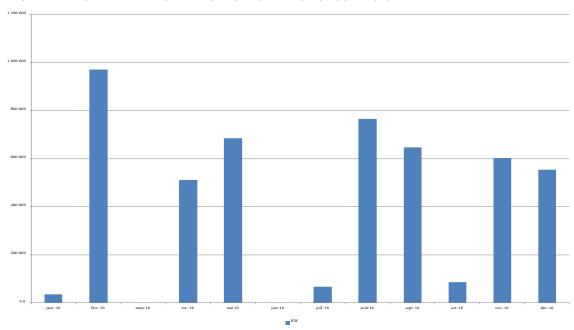
FIGURE 36 DEVELOPMENTS IN CANCELLATION OF GREEN CERTIFICATES OVER THE PERIOD 2003-2016



In 2016, over 4,923,000 GCs were effectively cancelled and therefore withdrawn from the market. A portion of these GCs relates to the 2015 quota, which was partially cancelled at the beginning of 2016. Similarly, a portion of the GCs relating to the 2016 quota will be cancelled at the beginning of 2017.

The figure below illustrates monthly developments in GCs cancelled in 2016 based on the date of logging by the supplier in the CWaPE database.

FIGURE 37 MONTHLY DEVELOPMENTS IN CANCELLATION OF GC IN 2016



4.4. Development of GCs in circulation (supply)

In 2016, the GC market was marked, for the fourth consecutive year, by a decrease in the supply⁷⁰ of GCs available on the market. This can be explained by the increase in quotas and by the recourse to selling to the local transmission system operator, Elia, at the guaranteed minimum price of EUR 65/GC.

The end-of-year supply as such decreased from over 4,050,000 GCs at the end of 2013 to approximately 3,600,000 GCs at the end of 2014 then to approximately 2,830,000 GCs in 2015 to finally reach almost 2,730,000 GCs at the end of 2016.

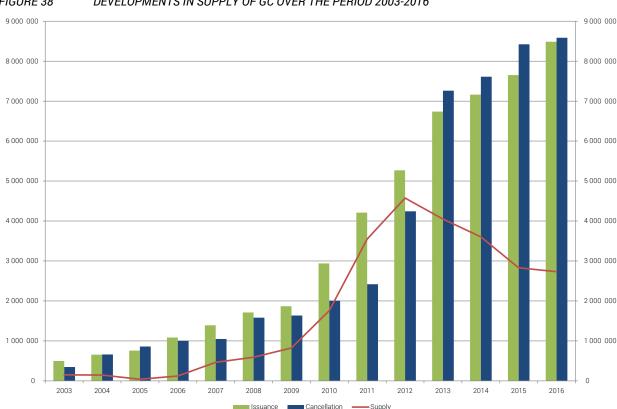


FIGURE 38 DEVELOPMENTS IN SUPPLY OF GC OVER THE PERIOD 2003-2016

As illustrated by the figure above, it can be seen that the total number of GCs granted increased by a factor of 17 in the space of 14 years. In 2016, this figure reached over 8,487,000 GCs. As for the total number of GCs cancelled⁷¹, this reached over 8,585,000 GCs, of which approximately 43 % were GCs sold to ELIA at the minimum regional guaranteed price of EUR 65/GC.

This imbalance is mainly the result of the growth in photovoltaic installations below 10 kW (SOLWATT), the number of which increased by over 48,000 units in 2012, by 21,000 units in 2013 and by less than 1000 in 2014, taking the total number of SOLWATT installations to over 121,000 at the end of 2016. The number of GCs granted in 2016 for these installations (3,909,000 GCs) was for the first time reduced since the peak observed in 2015 (4,120,000 GCs).

⁷⁰ The supply is represented by the difference between the number of GCs issued and the number of GCs cancelled. As such the supply represents the quantity of GCs available on the market. These end up in the accounts of producers, intermediaries, suppliers and DSO.

⁷¹ The term "cancellation" refers to GCs cancelled by suppliers with a view to meeting their quota obligation in Wallonia or in the Brussels-Capital Region on the one hand, as well as the GCs returned to the local transmission system operator (LTSO Elia) at the minimum guaranteed price of EUR 65 GC (and therefore not available for sale on the market) on the other, which are then cancelled.

The cancellation of GCs by suppliers with a view to meeting their quota obligation in Wallonia or in the Brussels-Capital Region is based on the effective date of the logging by the supplier, in the CWaPE database, of the GC cancellation transaction specific to its quota. As soon as the transaction is logged in the CWaPE database, the GCs relating to that transaction are no longer available on the market.

GC QUOTA APPLICATION

The number of GCs to be returned by suppliers and system operators is established on a quarterly basis by the CWaPE based on the "nominal" quota applicable to electricity supplies as well as the quota reductions granted to electricity-intensive end customers.

This chapter takes stock of the application of this public service obligation incumbent upon electricity suppliers and system operators for electricity supplies between 1 January and 31 December 2016 and validated by the CWaPE based on declarations submitted up to the beginning of March 2017 (declaration for the fourth quarter of 2016). It should be noted that, given the statutory deadline in effect, GC cancellation transactions relating to the fourth quarter declaration can be logged in the CWaPE database until April or May of the following year. For this reason the data presented in this chapter differs from the data relating to the cancellation transactions observed strictly in 2016 in the previous chapter.

5.1. Nominal GC quota in Wallonia

The nominal GC quota is set at 32.40 % for 2016 (27.70 % in 2015).

Electricity supplies declared and taken into consideration for the GC return obligation in 2016 were 20,922,911 MWh⁷², which is a decrease of 0.40% compared to 2015.

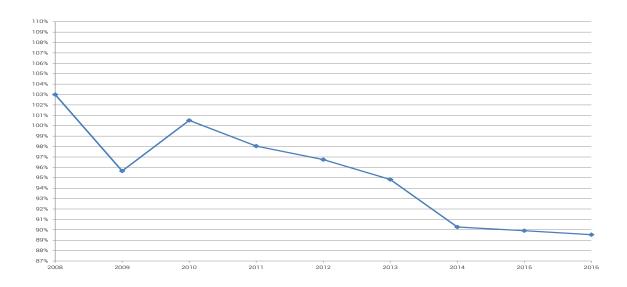
The number of GCs to be cancelled in 2016 (excluding quota reduction) was 6,779,023 compared to 5,820,182 in 2015, which is an increase in the "nominal" quota by 958,841 GCs. It should be noted that this increase is mainly due to the amendment to the AGW-PEV of 30 November 2006, which increased the nominal quota provided for by the legislator from 27.70 % to 32.40 %.

However, the number of GCs actually returned in 2016 was 5,269,401 GCs. The difference between the nominal quota and the number of GCs returned to the CWaPE (effective quota) results from the quota reductions granted to some companies (see next section).

The figure below shows the decrease observed in the level of supply subject to the GC quota in Wallonia between 2008 and 2016. This decrease was approximately 10% and was due both to a decrease in the overall level of supply and to the variation in the scope of application of the GC quota.

⁷² This is the value declared by suppliers at the beginning of March 2017. Corrections after this date were not taken into account in the calculations for the 2016 quotas but were included in the calculations for the 2017 quotas.

FIGURE 39 DEVELOPMENTS IN SUPPLY SUBJECT TO GC QUOTA OVER THE PERIOD 2008-2016



5.2. GC quota reductions

GC quota reductions were applied to companies forming a geographic and technical entity within the meaning of the branch agreements.

In order to receive this reduction, 2 conditions must be met:

- 1. Signature of a branch agreement;
- 2. Submission of a certificate to the CWaPE each quarter, through the entity's supplier, within the statutory period imposed, meaning that the certificates must be received before the end of the second month following the quarter just ended.

These conditions are verified each quarter, and if one of them is not met no reduction is granted.

In 2016, out of 224 entities registered with the CWaPE, 219 received a GC quota reduction. The difference can in particular be explained by the fact that some certificates were not sent within the period set out, the entity withdrew from the branch agreement or ceased its activities. Annex 3 provides a breakdown of the entities by sector of activity ("branch agreements").

The figure below illustrates the effective quotas (following application of the GC reduction) broken down by sector of activity for 2016.

20%
25%
20%
10%
5%
Tuendar spanner of the state of the st

FIGURE 40 GC REDUCTION - EFFECTIVE QUOTA BY SECTOR OF ACTIVITY IN 2016

The table below provides an estimate of the saving obtained in this manner by suppliers for the benefit of their end customers based on the average green certificate market price in 2016, which was EUR 66.88.

TABLE 29 AVOIDED COST CORRESPONDING TO GC QUOTA REDUCTION – BREAKDOWN BY SECTOR

SECTORS	No. of entities	Supplies (MWh)	Reduction (GC)	Reduction (EUR)
Transport	2	527 691,45	134 007,93	8 962 450,63
Technology	1	428 579,76	107 153,86	7 166 450,02
Steel industry	9	1 841 426,97	432 015,13	28 893 171,56
Cement plants	2	504 949,68	113 143,14	7 567 013,47
Chemistry	51	2 035 494,42	390 293,81	26 102 849,95
Quarries	12	436 756,16	67 101,02	4 487 716,49
Paper	4	246 897,26	36 853,02	2 464 729,91
Glass	13	478 513,48	63 971,88	4 278 439,40
Wood, textiles, furniture	14	225 658,53	27 474,19	1 837 473,63
Lime	2	74 863,82	8 887,94	594 425,29
Agri-food	64	752 548,57	83 721,83	5 599 315,66
Metal and electrical manufacturing	29	357 654,92	34 473,42	2 305 582,53
Processing industry Paper/cardboard, Printing industry	10	77 860,29	6 840,83	457 514,98
Bricks - ceramics	6	44 020,90	3 683,99	246 385,25
OVERALL	219	8 032 916,20	1 509 621,99	100 963 518,76

The graph below shows the change in total supply (in MWh) for entities with a branch agreement on one hand, and the amounts of reductions granted (or the number of GCs for the reduction multiplied by the market price of the year concerned) on the other.

110 000 000,00 100 000 000,00 90 000 000,00 80 000 000,00 70 000 000,00 60 000 000,00 50 000 000,00 40 000 000,00 30 000 000,00 20 000 000,00 10 000 000,00 0,00 2010 2014 2015 2016 2009 2011 2012 2013 Supplies (MWh) Reduction (EUR)

FIGURE 41 CHANGE IN SUPPLY OF ENTITIES WITH BRANCH AGREEMENTS AND REDUCTIONS

We observe that the amount relating to GC reductions has only increased since 2009 contrary to the supply for entities with a branch agreement which shows a slight decline.

The figure below shows a breakdown of GC quota reductions into 3 categories of suppliers in Wallonia established based on the type of licence (general or limited) and the type of clientèle (private individuals or business customers).

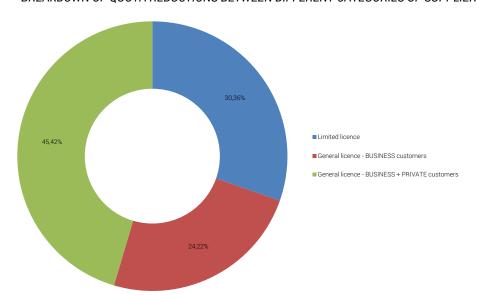


FIGURE 42 BREAKDOWN OF QUOTA REDUCTIONS BETWEEN DIFFERENT CATEGORIES OF SUPPLIERS

With regards to quota reductions, the CWaPE must take into account article 39 of the decree of 12 April 2001 which stipulates: "After an opinion from the CWaPE, the Walloon Government sets the minimum quantity and the characteristics of GCs which must be returned to the CWaPE by system operators, suppliers and holders of a limited supply licence with a view to providing their own supply and conventional self-producers in order to constantly cover a total period of eight years. The Walloon Government may adjust the minimum quantity referred to in paragraph 1 according to the level of consumption and the proportion of the cost of the GC mechanism in end customer production costs, with a commitment made by the latter in terms of saving energy. This adjustment directly benefits the customers in question and cannot exceed a volume of 22.5 % of the annual quota for the current year.

The Walloon Government may adjust the minimum quantity referred to in paragraph 1 for social reasons. This adjustment directly benefits residential end customers in question and cannot exceed a volume of 0.5 % of the annual quota for the current year.

This therefore means that the volume of GC reduction granted cannot exceed 23 % of the nominal quota for the current year.

Below is the table listing the data for 2016:

TABLE 30 CALCULATION OF THE THRESHOLD OF REDUCTION GRANTED FOR COMPANIES WITH A BRANCH AGREEMENT FOR 2016

2016	
Supplies submitted (MWh)	20 922 911, 00
Quota	32,40%
Nominal quota excl. reduction	6 779 023, 16
Reduction granted to companies with branch agreement	1 509 621, 99
Percentage of reduction granted (art 39 decree)	22,27%

TABLE 31 CALCULATION OF THE THRESHOLD OF REDUCTION GRANTED FOR PROTECTED REGIONAL CLIENTS FOR 2016

2016	
Supplies submitted (MWh)	20 922 911, 00
Quota	32,40%
Nominal quota excl. reduction	6 779 023, 16
Reduction granted to protected clients (100% exemption from the quota for this type of client)	19 220, 98
Percentage of reduction granted (art 39 decree)	0,28%

The total is 22.55 % for 2016 within the maximum of 23 %.

Note that these figures are not yet final as suppliers have the possibility of making changes over a period from Qn-3 to Qn-1: the operating principle is that of a moving train over a maximum of four quarters that can overlap over two financial years.

In light of the ever growing number of companies who are signing branch agreements, the CWaPE drew the Minister of Energy's attention to the fact that no measure is envisaged if the thresholds set are exceeded.

5.3. Effective quotas applicable to suppliers and DSO

In view of the quota reductions granted individually and on a quarterly basis to end customers eligible for them, the overall effective quota (ratio between the number of GCs to be cancelled and the number of MWh supplied) applied for 2016 is 25.18 % (21.45 % in 2015). This represents 5,269,401 GCs to be returned by suppliers and system operators to the CWaPE for cancellation.

The figures below provide a breakdown of the supplies benefiting from quota reductions (supplies with reduction) and supplies to which the nominal quota was applied (supplies with no reduction). As in 2015, the total consumption of the companies that received a quota reduction accounted for approximately 38% of the electricity supply subject to the GC quota in Wallonia in 2016.

FIGURE 43 BREAKDOWN OF SUPPLIES

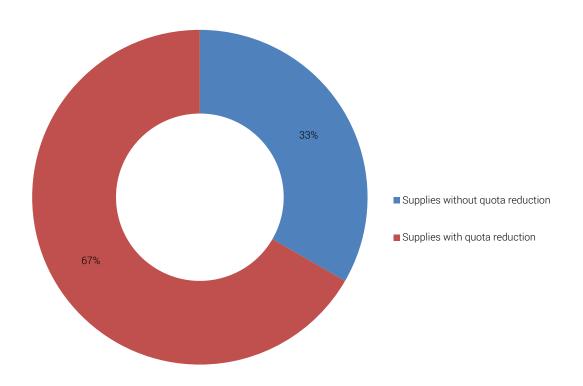
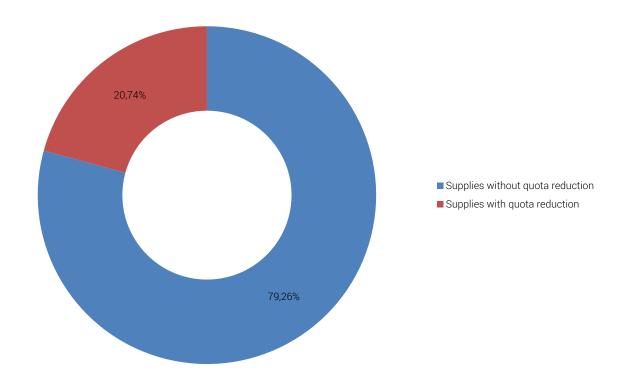


FIGURE 44 BREAKDOWN OF GC TO BE RETURNED



The number of suppliers and system operators that, in 2016, were required to submit their supplies to the CWaPE on a quarterly basis, as well as a number of GCs corresponding to the effective quota calculated for their end customers, is as follows:

- 32 suppliers with a general supply licence;
- 5 suppliers with a limited supply licence;
- 13 distribution system operators.

The number of GCs returned to the CWaPE pursuant to the public service obligation for suppliers and system operators amounted to 5,269,401 GCs for the whole of 2016, which is the total number to be returned in application of the effective quota. As such, no fines had to be applied.

The graphs below provide a breakdown, by category of suppliers and distribution system operators (DSO), of electricity supplies and GCs to be returned. The difference between the two figures can be explained by a different quota for each supplier based on the quota reductions that may be applied to its customers.

FIGURE 45 BREAKDOWN OF SUPPLIES

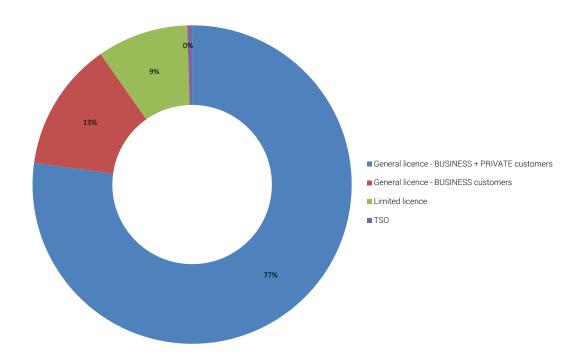


FIGURE 46 BREAKDOWN OF GC TO BE RETURNED

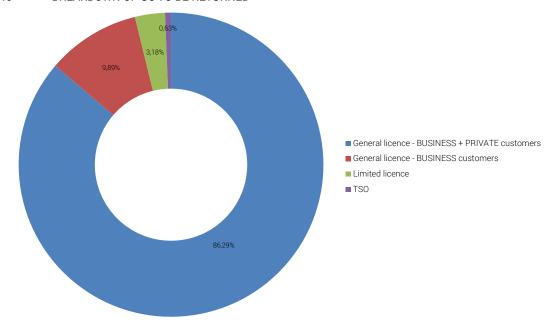


TABLE 32 RETURNS FOR GC QUOTAS IN 2016

ASPIRAVI ENERGY NV AXPO FRANCE & BENELUX SA BELGIAN ECO ENERGY SA BIOWANZE COMFORT ENERGY SA DIRECT ENERGIE BELGIUM SA EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA ENERGIE DER NEDERLANDEN BV	General licence	7 876,06 27 299,51 1 533,80 1 533,80 1 081,41 51 295,36 3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11 4 501,27	2 551,84 8 845,04 496,95 496,95 350,38 16 619,70 1 281 565,46 2 195 094,36 572 032,37 13,32 88,81	0 0 -124 124 0 0 66 577 502 797 502 797	2 552 8 845 621 373 350 16 620 1 214 989 1 692 297 69 235	32,40% 32,40% 40,50% 24,30% 32,40% 32,40% 30,72% 24,98%	151 235 126 2 552 373 350 16 620 1 214 989	2 401 -226 281 -1 931 0	0 0 0
AXPO FRANCE & BENELUX SA BELGIAN ECO ENERGY SA BIOWANZE COMFORT ENERGY SA DIRECT ENERGIE BELGIUM SA EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence	27 299,51 1 533,80 1 533,80 1 081,41 51 295,36 3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11	8 845,04 496,95 496,95 350,38 16 619,70 1 281 565,46 2 195 094,36 572 032,37 13,32	0 -124 124 0 0 66 577 502 797	8 845 621 373 350 16 620 1 214 989 1 692 297	32,40% 40,50% 24,30% 32,40% 32,40% 30,72%	235 126 2 552 373 350 16 620 1 214 989	-226 281 -1 931	0
BELGIAN ECO ENERGY SA BIOWANZE COMFORT ENERGY SA DIRECT ENERGIE BELGIUM SA EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence	1 533,80 1 533,80 1 081,41 51 295,36 3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11	496,95 496,95 350,38 16 619,70 1 281 565,46 2 195 094,36 572 032,37 13,32	-124 124 0 0 66 577 502 797	621 373 350 16 620 1 214 989 1 692 297	40,50% 24,30% 32,40% 32,40% 30,72%	2 552 373 350 16 620 1 214 989	-1 931 0	0
BIOWANZE COMFORT ENERGY SA DIRECT ENERGIE BELGIUM SA EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence	1 533,80 1 081,41 51 295,36 3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11	496,95 350,38 16 619,70 1 281 565,46 2 195 094,36 572 032,37 13,32	124 0 0 66 577 502 797 502 797	373 350 16 620 1 214 989 1 692 297	24,30% 32,40% 32,40% 30,72%	373 350 16 620 1 214 989	0	
COMFORT ENERGY SA DIRECT ENERGIE BELGIUM SA EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence	1 081,41 51 295,36 3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11	350,38 16 619,70 1 281 565,46 2 195 094,36 572 032,37 13,32	0 0 66 577 502 797 502 797	350 16 620 1 214 989 1 692 297	32,40% 32,40% 30,72%	350 16 620 1 214 989		0
DIRECT ENERGIE BELGIUM SA EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence	51 295,36 3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11	16 619,70 1 281 565,46 2 195 094,36 572 032,37 13,32	0 66 577 502 797 502 797	16 620 1 214 989 1 692 297	32,40% 30,72%	16 620 1 214 989		0
EDF LUMINUS SA ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence General licence General licence General licence General licence General licence General licence	3 955 448,96 6 774 982,60 1 765 532,00 41,11 274,11	1 281 565,46 2 195 094,36 572 032,37 13,32	66 577 502 797 502 797	1 214 989 1 692 297	30,72%	1 214 989	0	0
ELECTRABEL SA ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence General licence General licence General licence General licence General licence	6 774 982,60 1 765 532,00 41,11 274,11	2 195 094,36 572 032,37 13,32	502 797 502 797	1 692 297			0	0
ELECTRABEL CUSTOMER SOLUTIONS SA ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence General licence General licence General licence General licence	1 765 532,00 41,11 274,11	572 032,37 13,32	502 797		24,50 /0	1 692 297	0	0
ELEGANT ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence General licence General licence General licence	41,11 274,11	13,32		U5 ZJJ	3,92%	554 857	-485 622	0
ELINDUS ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence General licence General licence	274,11		U	13	32,40%	13	*400 022	U
ENDESA ENERGIA SA ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence General licence		00,01	0	89	32,40%	89		
ENECO BELGÏE BV ENERGIE 2030 AGENCE SA	General licence	4 301,21	1 458,41	0	1 458	32,40%	1 458	0	0
ENERGIE 2030 AGENCE SA		266 347,82	86 296,69	4 176	82 120	30,83%	82 120	0	0
	General incence	10 361,73	3 357,20	4170	3 357	32,40%	3 357	0	0
	General licence	2 799,69	907,10	0	907	32,40%	907	0	0
ENI SA	General licence	937 445,08	303 732,21	22 973	280 760	29,95%	280 760	0	0
ENOVOS LUXEMBOURG SA	General licence	75 708,66	24 529,61	4 940	19 590	25,88%	19 590	0	0
EOLY SA	General licence	57 693,30	18 692.63	4 940	18 693	32,40%	18 693	0	0
E.ON BELGIUM SA	General licence	925 617,32	299 900,01	59 944	239 956	25,92%	239 956	0	0
ESSENT BELGIUM SA	General licence	396 657,91	128 517,16	0 944	128 517	32,40%	128 517	0	0
KLINKENBERG ENERGY SA	General licence	7 231,94	2 343,15	0	2 343	32,40%	2 343	0	0
LAMPIRIS SA	General licence	1 264 183.30	409 595.39	2 770	406 825	32,40%	406 825	0	0
OCTA+ ENERGIE SA	General licence	120 382,91	39 004.06	0	39 004	32,40%	39 004	0	0
POWER ONLINE SA	General licence	79 001,08	25 596,35	0	25 596	32,40%	25 596	0	0
POWERHOUSE BV	General licence	152 358,69	49 364,21	17 465	31 899	20,94%	31 899	0	0
RECYBOIS	General licence	1 222,25	396,01	0	396	32,40%	396	0	Ü
SCHOLT ENERGY CONTROL SA	General licence	40 629,50	13 163,96	267	12 897	31,74%	12 897	0	0
TOTAL GAS & POWER BELGIUM SA	General licence	79 855,64	25 873,23	0	25 873	32,40%	25 873	0	0
TOTAL GAS & POWER LIMITED	General licence	290 694,15	94 184,91	64 071	30 114	10,36%	30 114	0	0
TREVION NV	General licence	1 065,00	345,06	0	345	32,40%	345	0	0
VLAAMS ENERGIEBEDRIJF NV	General licence	58,37	18,91	0	19	32,40%	19	0	0
WATZ	General licence	835,73	270,78	0	271	32,40%	271	0	Ü
ARCELORMITTAL ENERGY SCA	Limited licence	1 219 314,68	395 057,96	290 278	104 780	8,59%	104 780	0	0
BELPOWER INTERNATIONAL SA	Limited licence	27 299,51	8 845,04	0	8 845	32,40%	8 845	0	0
ELEXYS SA	Limited licence	51 816,16	16 788,44	1 031	15 757	30,41%	15 757	0	0
SEGE SA	Limited licence	634 031,59	205 426,24	167 040	38 386	6,05%	38 386	0	0
XYLOWATT SA	Limited licence	115,16	37,31	0	37	32,40%	37	0	U
Sub-total		19 234 127,18	6 231 857,21	1 707 126,08	4 524 731,13	23,52%	5 236 164	-713 834	0
Sub-tota.		19 204 127,10	0 231 037,21	1 707 120,08	4 024 701,13	20,02 /0	3 230 104	-713 034	
Transmission system operators (TSO)									
AIEG	Pure TSO	697,67	226	0	226	32,40%	226	0	0
AIESH	Pure TSO	5 430,21	1 759	0	1 759	32,40%	1 759	0	0
INFRAX	Pure TSO	426,69	138	0	138	32,40%	138	0	0
RESEAU D'ENERGIES DE WAVRE	Pure TSO	198,51	64	0	64	32,40%	64	0	0
RESA	Pure TSO	37 927,09	12 288	0	12 288	32,40%	12 288	0	0
ORES (Namur)	Mixed TSO	11 270,78	3 652	0	3 652	32,40%	3 652	0	0
ORES (Hainaut)	Mixed TSO	31 853,98	10 321	0	10 321	32,40%	10 321	0	0
ORES (Est)	Mixed TSO	1 454,16	471	0	471	32,40%	471	0	0
ORES (Luxembourg)	Mixed TSO	5 725,86	1 855	0	1 855	32,40%	1 855	0	0
ORES (Verviers)	Mixed TSO	198,51	64	0	64	32,40%	64	0	0
ORES (Brabant Wallon)	Mixed TSO	5 430,21	1 759	0	1 759	32,40%	1 759	0	0
ORES (Mouscron)	Mixed TSO	2 062,59	668	0	668	32,40%	668	0	0
GASELWEST (EANDIS)	Mixed TSO	697,67	226	0	226	32,40%	226	0	0
Sub-total		103 374	33 493	0	33 493	32,40%	33 493	0	0
		103 374	33 493	U	33 493	32,40%	oo 493	U	
OVERALL TOTAL		19 337 501	6 265 350	1 707 126	4 558 224	23,57%	5 269 657	-713 834	0

The table above provides details on an annual basis 73 , by supplier and by distribution system operator, of the electricity supplies, GC reductions granted, and GCs to be returned and actually returned in 2016.

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⁷³ The total sales included in this table correspond to the amounts declared at the beginning of March 2016. Corrections after this date were not taken into account in the calculations for the 2015 quotas but were included in the calculations for the 2016 quotas.

5.4. State subsidy

The order of 23 June 2016 amending the order of the Walloon Government of 30 November 2006 on the promotion of electricity generated from renewable energy sources or cogeneration stipulates:

"For any supply enabling a reduction in the number of GCs to be returned, in application of this paragraph, the supplier concerned must return to the CWaPE, a number of GCs corresponding to at least 15 % of the GC quota imposed, for this supply, by paragraph 3 of this article. The holder of a limited licence with a view to providing its own supply, the system operator and the conventional self-producer that are eligible for a reduction in the number of GCs to return, in application of this paragraph, must also return to CWaPE a number of GCs corresponding to at least 15 % of the GC quota imposed by paragraph 3 of this article.

The CWaPE must annually check the compliance of those concerned, on the basis of their situation as at 31 December of year N, with their obligation to return GCs provided for in the previous paragraph. Should they fail to comply with this obligation, the suppliers, system operators and holders of a limited licence with a view to providing their own supply or conventional self-producers concerned are subject, as for their entire obligation to return GCs provided for in this article, in application of article 30 of this order for any missing green certificate and must fulfil the obligations that result from article 30 by 31 March of year N+2 at the latest.

The cost reductions, including the obligation to return and the potential application of article 30 of this order, resulting from the provisions of this paragraph, are applied directly to each end customer or conventional self-producer at their origin".

After analysis, it has been observed that on average companies return 68.8% of the quota imposed. The minimum is 18 % and the maximum around 75 %. The 15 % threshold is therefore observed.

5.5. Cancellation of Walloon GCs for the Brussels-Capital Region quota

The GC quota in the Brussels-Capital Region (BCR) is not applied on a quarterly basis as in Wallonia, but instead once per year (on 31 March).

Initially, only Brussels GCs are eligible for the quota. Subsequently, if the number of GCs available on the Brussels market is insufficient to enable suppliers to meet their quota obligations, the Brussels regulator, BRUGEL, may allow these suppliers to return Walloon GCs for the purpose of meeting their GC quota in the Brussels-Capital Region (BCR).

This recognition mechanism was valid for a period of 10 years, i.e. from 2005 to 2014 and, given that no statutory changes have been made, Walloon GCs may no longer be used for the Brussels return quota.

GUARANTEE OF ORIGIN MARKET

This chapter first of all provides a reminder of the *guarantee of origin* concept as well as a brief description of the activities conducted by the CWaPE at European level with a view to improved harmonisation and implementation of these mechanisms. It then presents the different statistics available in this area.

6.1. Development objectives for green electricity in Wallonia

6.1.1. Guarantee of origin concepts (GOL/GO)

The guarantee of origin is a traceability instrument put in place at European level in the context of Directives 2009/28/EC and 2012/27/EU respectively on the promotion of the use of energy from renewable sources (GO-RES) and the promotion of high-efficiency cogeneration (GO-COGEN).

These guarantees of origin allow the monitoring of electricity, in the European internal market, from the producer to the end customer and ensure that the renewable or cogeneration nature of one MWh generated is sold only once.

They may be sold by the producer independently of the electricity generated. Guarantee of origin transactions are recorded in electronic registers monitored by the authorities and there may only be one official register per geographic zone. Belgium is made up of four zones: three regional zones and one federal zone for the Belgian maritime zone in the North Sea. The different registers may be interconnected in order to allow guarantee of origin operations between geographic zones and thus ensure the circulation of these instruments throughout the internal market for electricity. The *European Energy Certificate System* (EECS) described below has allowed this since 2003.

The information contained in these guarantees of origin is standardised (energy source used, installation type, capacity, date of commissioning, generation period, type of public support granted, etc.). Despite the abundance of verified information, in practice guarantee of origin labels continue to be used primarily to guarantee the renewable nature of electricity.

6.1.2. Implementation in the internal market for electricity

Guarantees of origin may be traded in different European markets because, according to European legislation, each Member State must recognise the guarantees of origin issued elsewhere in the European Union and, pursuant to the European Economic Area Agreement, in Iceland and Norway; Switzerland could shortly also be covered.

In this context, the CWaPE is a member of the Association of Issuing Bodies⁷⁴ (AIB), which has established a standard for these guarantees of origin, the European Energy Certificate System (EECS), in order to promote international trades (24 countries represented in 2016)⁷⁵. For the CWaPE this membership has facilitated the importing, from 2008 and, since 1 July 2009, the re-exporting, of guarantees of origin. Since the transposition of the new directive, the export of Walloon guarantees of origin is theoretically possible everywhere, even if in practice it remains for the moment subject to effective transposition in the destination country.

It is nevertheless important to point out that these guarantees of origin at present remain a rigorous European instrument, one that is still in the process of being implemented and gradually harmonised throughout Europe.

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⁷⁴ See website: <u>www.aib-net.org</u>

⁷⁵ Of which 19 countries are members of the EEA and the AIB operating with GO: Austria, Belgium, Cyprus, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Slovenia, Spain and Sweden. Source "Fact Sheet 17 - EECS Scheme Members and EECS Products - Release 1.27 ", https://www.aib-net.org/eecs/fact_sheets consulted on 22/05/2017.

6.2. GOL market in Wallonia in 2016

6.2.1. Granting of GOL in Wallonia

In total, in 2016, 3,260,841 GOL were granted by the CWaPE for electricity generated. The table below sets out the breakdown by green electricity generation sector of GOL granting to certified generation installations located in Wallonia.

TABLE 33 GRANTING OF GOL BY THE CWAPE IN 2016

Sector	GOL-RES	GOL-CHP	GOL total
Photovoltaic	26,531		26,531
Hydraulic power	341,983	0	341,983
Wind	1,537,583	0	1,537,583
Biomass	595,591	0	595,591
Biomass cogeneration	381,388	22,620	404,008
Fossil cogeneration	0	355,144	355,144
Total	2,883,077	377,764	3,260,841

GOL-RES: renewable energy sources including biomass cogeneration (GOL-RES & CHP)

GOL-CHP: fossil energy sources and high-efficiency cogeneration

6.2.2. Market price of GOL

Generally speaking, the price levels observed in Belgium are mainly influenced by the relative abundance of supply compared to the low demand in Europe. Local green generation does not cover the contractual demand for green supply and this is causing a massive influx of imported guarantees of origin.

No price indicators are available at European level for guarantees of origin, which are always sold via bilateral transactions. This price may vary depending on the sector and origin as well as the proximity of the GOL expiry date.

The CWaPE currently has the prices for transactions within Wallonia, which are essentially the prices offered to Walloon producers by local suppliers. The table below sets out the values observed this year. These prices are between EUR 0 and EUR 4. A significant number of GOL are traded at zero prices or prices not specified in the sale transactions within the framework, in particular, sale contracts combining GCs and GOL.

TABLE 34 AVERAGE PURCHASE PRICES TO WALLOON PRODUCERS FOR GOL IN 2016

Period	Average price per GOL (€)	Cumulative volume
1st quarter 2016	0.3231	182,499
2nd quarter 2016	0.2659	194,586
3rd quarter 2016	0.3023	204,613
4th quarter 2016	0.3794	233,402

The average price of GOL trades, incorporating the sale transactions of producers to a third party as well as of non-producer third parties to other market players, was lower than the sale price of GOL directly from the Belgian producer. The GOL sale volume was 2.16 million in 2016. Of nearly 200 sale transactions, the 10 largest transactions add up to a total of nearly 900,000 GOL at the average price of EUR 0.2699/GOL.

TABLE 35 AVERAGE PRICES OF GOL TRADES IN WALLONIA IN 2016

Period	Average price per GOL	Cumulative volume
1st quarter 2016	0.3135	564,057
2nd quarter 2016	0.2525	597,346
3rd quarter 2016	0.3090	398,572
4th quarter 2016	0.3146	599,825

Annex 4 of this report summarises the issuance, transfer, cancellation and import and export volumes. The annual report and the website of the *Association of Issuing Bodies* (AIB) provide the issuance, transaction and cancellation volumes by country and by technology for its member countries.

7. OUTLOOK FOR THE PERIOD 2017-2024

The prospects for development of the GC market for the period 2017-2024 are presented below. They take account of the revisions to the GC mechanism adopted in recent years.

The basis proposed for all the projections included in this chapter is the order of the Walloon Government translating the Walloon strategy in terms of electricity from renewable sources. In particular it sets the GC quotas as well as the GC allocations per sector for new projects until 2024. The CWaPE is also based on the best data available when this report was drafted.

In order to establish the prospects for development of the GC market up to 2024, the CWaPE has adopted a methodology based on two perspectives: GC supply and demand. The tables, simulations and estimates presented in this chapter were established on the basis of data that may include certain uncertainties and approximations that the CWaPE cannot reasonably be expected to detect. These projections are therefore based on the best possible estimates, but they must be considered in light of differences that may potentially be observed regarding the actual data that will ultimately be recorded.

GCs are granted to producers on the basis of the output of the installations covered. They constitute part of the GC SUPPLY in the market. This supply is placed in the accounts of producers, suppliers, intermediaries and distribution system operators. Granting projections are in particular dependent on the installations that have been set up during the year.

The quota constitutes the GC **DEMAND**. It is applied to the volume of supply subject to a GC quota. The estimate made in 2015 for 2016 is very close to the volume actually supplied. The projections made in 2015 are therefore retained for this report.

The balance of available GC (supply less demand) constitutes the GC supply. However, producers may activate the GC purchase guarantee for part of this surplus which is then bought by the local transmission system operator, Elia, for the price of EUR65/GC. This cost, like that of the GC quota, is passed along in the bills of Walloon consumers (see Chapter 2).

The assumptions made in this chapter are based on the additional opinion CD-17e03-CWaPE- 1693 addendum of 3 May 2017. This opinion relates to the deferral mechanisms proposed by the Walloon Government, as presented in chapter 2.

7.1. Projections of developments in GC supply

Projections of GC supply are based on the estimate of the number of GCs to be granted to installations benefiting from the new scheme (reservation system) and the old scheme, of Solwatt installations and of GC that will be released at the end of the carry trade executed on 1 July 2015 (if they have not been disposed of before then) and deferred GCs⁷⁶ whose deferral ends between 1 January 2022 and 31 December 2030 at the latest.

Thus, the projections concerning the new scheme are based on the actual use of the 2014, 2015 and 2016 allocations. For the following years, the consumption of the allocations adopted was 78 %⁷⁷, or the actual consumption of allocations in 2016. These GC volumes will be granted to producers based on their generation volume. Finally, concerning GC supply, the CWaPE based itself on the assumption adopted in its additional opinion CD-17e03-CWaPE-1693 addendum which takes into account the implementation of the biomass power station with capacity above 20 MW and the consequent GC granting from 2022.

As regards GCs granted in the context of the old scheme, the projections are established based on the production sites benefiting from the scheme in effect prior to 1 July 2014 (excluding Solwatt). The possibility of certain generation sites benefiting from the application of article 15*ter* but also article 15*octies* (2) of the AGW of 30 November 2006 is taken into account here. These projections take into account the latest dossiers submitted to the CWaPE. Furthermore, pursuant to the additional opinion CD-17e03-CWaPE-1693 addendum on the "Special specifications on the deferral of Walloon GC", the CWaPE also takes into account the limitation of the granting rate for installations requesting application of article 15*ter* (significant modification), up to a level of 50 % of the granting rate observed before application of the measure.

The projections relating to the number of GCs to be issued for the output of Solwatt sites are based on 10 grant years. This assumption is also confirmed by the order of the Council of State, administrative legal section, of 30 March 2017 rejecting the requests made by the non-profit organisation Touche Pas à mes CV, requesting the cancellation of the ministerial order of 29 September 2011 determining the reducing 'k' factor from 1 October 2011, published in the Belgian Official Gazette on 13 March 2015.

Simulation of demand, depending in particular on the deferral mechanism, is set out in table 37 detailing the change in the GC market.

 $^{^{76}}$ Cf. 2.2.3.5. Passing on of the PSO cost to end customers

⁷⁷ Scenarios predicting allocation consumption of 100 % and 60 % are presented in the additional opinion CD-17e03-CWaPE-1693 addendum on the "Special specifications on the deferral of Walloon GC".

7.2. Projections of developments in GC demand

In order to be able to assess GC demand from 2017, it is necessary to estimate the volume of supply subject to a quota⁷⁸. According to the decree of 11 April 2014 amending the decree of 2001 on the organisation of the regional electricity market, this volume corresponds to the total electricity supply⁷⁹ plus conventional self-generated production and less the supply volume required for pumping operations for the Coo and Plate Taille power plants, and the supply to protected customers. The decree amendment on the abolition of the exemption of supply via a direct green line from 1 July 2016 has also been taken into account.

As observed in the table below it decreases over the period, owing in particular to growing self-consumption stemming from green electricity generation, which accounts for an increasing share of Wallonia's total electricity consumption. The number of GCs constituting demand is obtained by multiplying the supply volume by the annual quota set out by the Walloon Government and by taking account of the maximum quota reduction amount defined in the decree of 12 December 2014 amending the decree of 12 April 2001 on the organisation of the regional electricity market, or 23 %.

Pursuant to the additional opinion CD-17e03-CWaPE-1693 addendum on the 'Special specifications on the deferral of Walloon GC', the CWaPE considered an adaptation of quotas applicable for the years 2021 to 2023 with a cap of 37.9 %.

TABLE 36 GREEN CERTIFICATES DEMAND IN THE MARKET (GC)

	2017	2018	2019	2020	2021	2022	2023	2024
Supplies eligible for GC (in MWh)	21 311 049	21 250 902	21 113 191	20 971 861	20 827 546	20 745 010	20 577 410	20 333 435
Nominal quota (% of supply)	34,03%	35,65%	37,28%	37,90%	37,90%	37,90%	37,90%	37,90%
Effective quota (% of supply)	26,20%	27,45%	28,71%	29,18%	29,18%	29,18%	29,18%	29,18%
No. of GC to be returned based on the quota (demand)	5 584 156	5 833 479	6 060 668	6 120 218	6 078 103	6 054 016	6 005 106	5 933 906

7.3. Projections of developments in the GC market

The projections relating to GC supply and demand (sections 7.1 and 7.2) allow the CWaPE to determine the developments in the GC market.

On the basis of all the data available at the time of the writing of this report, the CWaPE has adopted the following assumptions, which it considers to be the most realistic. They are identical to those in the additional opinion CD-17e03- CWaPE-1693 already mentioned, except for changes proposed in the draft Decree the full text of which was submitted to the Parliament on 29 May 2017 (see opposite):

for 2017, producer behaviour remains in line with what was observed by the CWaPE in the last two years (80 % of GCs granted to Solwatt producers are sold at the minimum guaranteed price compared to 18 % for non-Solwatt producers);

⁷⁸ The Federal Planning Bureau published, at the end of April 2015, a Work Paper entitled '2030 Climate and Energy Framework for Belgium – Impact Assessment of a selection of scenarios up to 2050 – April 2015'. This document defines several end consumption scenarios for energy and electricity in Belgium. For its analysis, the CWaPE decided to apply, to Wallonia, the Belgian trends of the Federal Planning Bureau REF scenario, which is a "Business as Usual" scenario.

⁷⁹ The electricity supply corresponds to the volume of electricity delivered to the end customer in the context of a supply contract.

- for 2018, Solwatt producer behaviour remains unchanged but that of non-Solwatt producers does change. The share of granted non-Solwatt GCs sold at the minimum guaranteed price decreases by half following the upwards revision of the quotas;
- for the following years, the supply level defined by the CWaPE in order to have sufficient voltage is a quota equivalent to 1.5 quarters, taking into account, for the early years, the inertia in the system;
- the volume of GCs sold annually by producers at the minimum price guaranteed to the LTSO is consequently deduced:
- for 2017 to 2021, considering the implementation of the deferral mechanism which provides for five deferrals, the volume of GCs bought by the LTSO and cancelled in the CWaPE databank is determined aiming at a balance between revenues generated by the Walloon GC surcharge, maintained at the current level of EUR 13.8159/MWh, and the financing of all related charges incumbent on the local transmission system operator within the framework of implementing this public service obligation;
- the volume of GCs to be deferred annually between 2017 and 2021 is then deduced from the difference between the volume of GCs sold to the LTSO at the minimum price guaranteed and the volume of GCs bought by the LTSO, enabling a balanced net position of the surcharge;
- the partial exemption from the first limit of the surcharge, as provided for in article 40*bis* (5) of the electricity order, is maintained for the years 2023 and 2024;
- in order to avoid a systematic postponement of partial exemptions from the first limit of the surcharge (only if the net position of the surcharge is beneficial) and advance of 50 % in comparison to the estimate of the surplus GC volume for the year *n*+1 is taken into account in determining the GC volumes to be deferred in a year *n*.

The draft decree of 29 May 2017 presents changes to the draft text submitted to the CWaPE after the first reading in the Walloon Government. The table below incorporates these changes and therefore is an update of the tables presented in the additional opinion CD-17e03-CWaPE-1693 addendum on the 'Special specifications on the deferral of Walloon GC'.

The changes taken into account are as follows:

- the maximum deferral period is 9 years (this duration may be reduced by the order of the Walloon Government annually determining the volume of GCs to be deferred);
- deferred GCs may be put back on the market from 1 January 2022 if the market conditions allow it;
- putting back reserved GCs on the market (carry trade) is only permitted in the last year of each deferral.

For the current projection, the CWaPE is using a 78 % allocation consumption scenario as a basis. The volume of GCs to be deferred over the period 2017 - 2021 is **8,308,320 GCs**.

TABLE 37 DEVELOPMENTS IN THE GC MARKET

		Initial supply	2017	2018	2019	2020	2021	2022	2023	2024
S	No. of GC granted - new scheme		309 517	719 062	1 195 244	1 666 752	2 072 807	3 463 797	3 685 233	3 899 434
U	No. of GC granted - old scheme		4 866 492	4 865 288	4 817 769	4 661 993	3 984 141	3 656 613	3 657 998	3 211 980
P	No. of GC granted - Solwatt 10 years		3 831 803	3 730 617	3 432 412	2 961 586	2 392 817	774 803	125 570	2 120
L	Total no. of GC granted		9 007 812	9 314 968	9 445 425	9 290 331	8 449 765	7 895 212	7 468 801	7 113 535
Y	Return to market of GC put in reserve in 2015/2016				615 385	1 384 615	1 538 462	600 000		
	Return to market of deferred GC								667 034	1 020 200
	Total no. of GC coming onto the market (supply)		9 007 812	9 314 968	10 060 810	10 674 946	9 988 227	8 495 212	8 135 835	8 133 735
D										
E M	Supplies eligible for GC (in MWh)		21 311 049	21 250 902	21 113 191	20 971 861	20 827 546	20 745 010	20 577 410	20 333 435
A	Nominal quota (% of supply)		34,03%	35,65%	37,28%	37,90%	37,90%	37,90%	37,90%	37,90%
N D	Effective quota (% of supply)		26,20%	27,45%	28,71%	29,18%	29,18%	29,18%	29,18%	29,18%
	No. of GC to be returned based on the quota (demand)		5 584 156	5 833 479	6 060 668	6 120 218	6 078 103	6 054 016	6 005 106	5 933 906
	No of GC sold to the LTSO		3 997 124	3 487 085	3 884 506	4 532 397	3 925 917	2 450 228	2 149 071	2 226 528
	of which GC covered by the €13.8159/MWh surcharge		1 671 638	2 552 866	2 479 624	2 431 160	2 383 423	2 327 150	2 149 071	2 226 528
	of which GC not covered by the €13.8159/MWh surcharge		2 325 486	934 220	1 404 883	2 101 237	1 542 494	123 078	0	(
	No. of deferred GC		2 792 596	1 169 551	1 753 060	1 821 865	771 247			
	Supply estimate in no. of GC	2 736 179	2 162 711	2 157 115	2 272 751	2 295 082	2 279 288	2 270 256	2 251 915	2 225 215

The CWaPE observes that in 2022, there is still a surplus of GCs on the market. These GCs not covered by the surcharge of EUR13.8159 EUR/MWh (123,078 GC) should therefore be 'reabsorbed' by the LTSO's cash flow surplus in 2023 thanks to the fall in supply of GCs arriving on the market. This cash flow surplus should enable an effective end of deferral from 2023.

It is important to point out that, in the context of Elia's obligation to purchase GCs, Elia has no choice but to finance all the purchase applications submitted to it without any limit being imposed. For the scheme in effect until 1 July 2014, not all producers systematically have a purchase guarantee. It must be applied for and have a specific procedure. A ministerial order determined in particular the period during which they could benefit from this purchase guarantee. From 1 July 2014, with the introduction of the new scheme for additional GC allocations and reservation, all producers benefit from an automatic purchase guarantee from Elia for all projects subject to reservation. This last element is likely to have an impact on the GC volumes to be purchased by Elia as from 2017 and 2018, significantly increasing the share of GCs covered by a purchase guarantee. It is therefore particularly difficult to forecast the volume of GCs to be purchased by Elia.

Furthermore, the CWaPE would like to emphasise that the lack of vision by 2030 due to no quotas or allocations being defined beyond 2024, does not enable us to make the necessary projections on the change in deferrals and their reabsorption by the market.

In conclusion, all the analyses carried out by the CWaPE in the context of this section, and in its opinion CD-15h26-CWaPE-1510 of 28 August 2015, show once again that the calling of the guarantee for the purchase of Walloon GC by Elia at present no longer serves as a safety net (original objective of the measure) but is becoming a source of financing that is an integral part of the support mechanism for the development of green electricity in Wallonia in the same way as GC quotas when the volumes involved are considered. This situation therefore resulted in a series of additional measures that the Walloon Government decided to put in place in order to maintain a constant level of Elia surcharge for the electricity consumer in coming years.

The market, initially driven by the simple operation of supply (granting of GCs) and demand (GC quota) is disrupted and cannot naturally return to balance over the period. Furthermore, the forecasts relating to the collection base for quotas show a decline between 2017 and 2024. The same applies to the collection base for the Walloon GC surcharge collected by the local transmission system operator, Elia.

Annex 1 - List of green electricity generation sites at the end of 2016 (Net developable electric power $> 10 \, \text{kW}$) by sector

Photovoltaic sector

Producteur	Site de production (avec n° de dossier)	Pend [kW]	Peinst [kW]
7C Rooftop Exchange	136123_PHOTOVOLTAIQUE CHARPENTES JONCKHEERE SPANTEN	235	259,78
A.C.I.T	9319_PHOTOVOLTAIQUE USINE A.C.I.T	97	100,98
A.D.N	9124_PHOTOVOLTAIQUE A.D.N	30	34
ABBIUSI	7993_PHOTOVOLTAIQUE ABBIUSI	29	29,9
ACCUBEL	8027_PHOTOVOLTAIQUE ACCUBEL	54,3	54,3
ACP de La Résidence le Clairvaux C/O IGE Gestion	10127_PHOTOVOLTAIQUE ACP CLAIRVAUX	60	71,5
ADAMS PETER	7931_PHOTOVOLTAIQUE ADAMS	74,04	80,915
ADOLPHE DOUTREMONT ET COMPAGNIE	9225_PHOTOVOLTAIQUE AD DELHAIZE WELKENRAEDT	110	142,8
ADVACHEM	8837_PHOTOVOLTAIQUE ADVACHEM	193,2	249,6
AERTSSEN TERRASSEMENTS	8301_PHOTOVOLTAIQUE AERTSSEN TERRASSEMENTS	42	46,53
AGC GLASS EUROPE	9084_PHOTOVOLTAIQUE HEAD QUARTIERS	190	217,5
A***	10093_P*** (SAINT-GERMAIN)	60	69,96
A***	9490_P*** (VEZIN)	20	22
AGRI-DETROZ	8126_PHOTOVOLTAIQUE AGRI-DETROZ	223	250,08
AGRISEM	8454_PHOTOVOLTAIQUE AGRISEM	16,5	17,64
AIR-TRENDS	9285_PHOTOVOLTAIQUE AIR-TRENDS	62,23	62,23
AKAPLAST	9064_PHOTOVOLTAIQUE AKAPLAST	170	245
ALAN & CO	172_PHOTOVOLTAIQUE ALAN & CO	45,1	48,14
ALIMAD FOOD	8514_PHOTOVOLTAIQUE ALIMAD FOOD	117,5	127,89
ALIMBATTICE	9248_PHOTOVOLTAIQUE ALIMBATTICE	80	97,92
ALIZÉ	9286_PHOTOVOLTAIQUE ALIZE	90	100,155
ALL SNACKS PRODUCTION	8756_PHOTOVOLTAIQUE ALL SNACKS PRODUCTION	100	112,5
ALLAERTS Bruno	9541_PHOTOVOLTAIQUE ETS DENIS QUINCAILLERIE	39	44,1
ALMECO	9176_PHOTOVOLTAIQUE ALMECO	43	61,2
ALTACOUSTIC	9581_PHOTOVOLAIQUE ALTACOUSTIC	22	23
AMAL GAMME	9565_PHOTOVOLTAIQUE AMAL GAMME NIVELLES	66	76
AMU ROBOTIC	9112_PHOTOVOLTAIQUE AMU ROBOTIC	27,6	31,392
ANAPHARMA	7998_PHOTOVOLTAÏQUE ANAPHARMA	23,8	28,06
ANC. ETS CHARLIER BRISON	9317_PHOTOVOLTAIQUE CHARLIER - BRISON	90	100
A***	8007_P*** (GRANDMENIL)	43,6	50,29
ANDRÉ PIRON ET FILS	8891_PHOTOVOLTAIQUE ANDRE PIRON ET FILS HANGAR GRAIN	22	24,5
	8882_PHOTOVOLTAIQUE ANDRE PIRON ET FILS USINE	22	24,5
A***	9393_P*** (FLORÉE)	26	30
ANFLO	8562_PHOTOVOLTAIQUE ANFLO HALMA	54	55
ANPI	9543_PHOTOVOLTAIQUE ANPI	73	85,5
AQUA YPSOROOF	9316_PHOTOVOLTAIQUE AQUA YPSOROOF	40,5	40,5
ARALIA	9310_PHOTOVOLTAIQUE IONICS	182	197
	9309_PHOTOVOLTAIQUE MATERIA NOVA	87,75	92,25

ARMAND ADANS & FILS	9523_PHOTOVOLTAIQUE ARMAND ADANS & FILS	111	120,79
ARMURERIE PAUL PLETSERS	9492_PHOTOVOLTAIQUE ARMURERIE PAUL PLETSERS	23	26,52
ARPAL MANAGEMENT	8011_PHOTOVOLTAIQUE ARPAL MANAGEMENT	90	98,28
ASSOCIATION DE PAEPE JEAN & MARK	10084_PHOTOVOLTAIQUE ASSOCIATION DE PAEPE JEAN & MARK	39	47,7
ATELIER 2000	8090_PHOTOVOLTAIQUE ATELIER 2000. BAT 1H11	247,5	247,5
	8186_PHOTOVOLTAIQUE ATELIER 2000. BAT 8000	247,5	249,4
Atelier de Construction Métallique	7951_PHOTOVOLTAIQUE ACM	221	246,59
ATELIER LES GAILLETTES	8800_PHOTOVOLTAIQUE ATELIER LES GAILLETTES	167	187,92
ATELIERS CERFONTAINE	9462_PHOTOVOLTAIQUE ATELIERS CERFONTAINE	120	122
ATELIERS DU MONCEAU	8465_PHOTOVOLTAIQUE ATELIER DU MONCEAU	173	199,87
ATELIERS LUCIEN SIMON	8761_PHOTOVOLTAIQUE ATELIERS LUCIEN SIMON	64	72,52
ATELIERS MARTIN	8716_PHOTOVOLTAIQUE ATELIERS MARTIN	75	83,25
ATELIERS MERSCH	9299_PHOTOVOLTAIQUE ATELIERS MERSCH	45	50
ATI	9493_PHOTOVOLTAIQUE PELZER	60	61,2
ATI INDUSTRIE	1238_PHOTOVOLTAIQUE A.T.I. INDUSTRIE	29,9	31,78
ATMA	9219_PHOTOVOLTAIQUE ATMA	18	19,89
AU PAIN CINACIEN	8003_PHOTOVOLTAIQUE AU PAIN CINACIEN	44	50,88
AUGUSTIN PEIFFER	9526_PHOTOVOLTAIQUE AUGUSTIN PEIFFER	69	83
AUTO-LUTTRE	8535_PHOTOVOLTAIQUE AUTO-LUTTRE	23,4	23,4
AX INV	8322_PHOTOVOLTAIQUE AXIMA	38,535	38,535
	8323_PHOTOVOLTAIQUE MEISCH 1	15	15,84
	8324_PHOTOVOLTAIQUE MEISCH 2	30	31,68
AZ PARTNERS	9535_PHOTOVOLTAIQUE AZ PARTNERS	58,24	58,24
BALTEAU	1156_PHOTOVOLTAIQUE BALTEAU	28,6	30,36
BAM MAT	3728 PHOTOVOLTAIQUE BAM MAT	47,6	47,6
BARBIER DENIS & HERVE	8065_PHOTOVOLTAIQUE BARBIER	32,2	32,2
B***	8082_P*** (NADRIN)	50	55,125
BATITEC	8417_PHOTOVOLTAIQUE BATITEC	32	33,849
BC ENTREPRISES PEALISOVALEM	8964_PHOTOVOLTAIQUE AD DELHAIZE	82	85,26
BEAUSOV NEW	8589_PHOTOVOLTAIQUE AD DELHAIZE BEAURAING	84	88,2
BEAUVAL	8508_PHOTOVOLTAIQUE BEAUVAL	69	72,03
BELGIAN FIBERS MANUFACTURING	9339_PHOTOVOLTAIQUE BELGIAN FIBERS MANUFACTURING	562	576
BELGIUM METAL	8956_PHOTOVOLTAIQUE BELGIUM METAL	219,45	250
BEM'S	8114_PHOTOVOLTAIQUE BEM'S	40	44,64
BEPCO PARTS	9110_PHOTOVOLTAIQUE BEPCO PARTS	132	167,28
B***	9202_P*** (COUTHUIN)	30	35,1
BIB	9260_PHOTOVOLTAIQUE BIB	25,6	25,6
BIEMAR BOIS	8528_PHOTOVOLTAIQUE BIEMAR BOIS SOUMAGNE	221	250,04
Bières de Chimay	2046_PHOTOVOLTAIQUE Bières de Chimay	191,1	217,65
BIKERS DESIGN	8468_PHOTOVOLTAIQUE BIKERS DESIGN	42,875	42,875
BILIA EMOND BELGIUM	8877_PHOTOVOLTAIQUE GARAGE EMOND BMW	100	113,36
BIO-ZONE	9340_PHOTOVOLTAIQUE BIO-ZONE	222	244,8
BLANCHISSERIE BASSE-MEUSE	9215_PHOTOVOLTAIQUE BLANCHISSERIE BASSE-MEUSE	119	132,75
BLUE RIBBON	9322_PHOTOVOLTAIQUE BLUE RIBBON	46,8	53,985
BMW CONSTRUCT	8780_PHOTOVOLTAIQUE BMWILL CONSTRUCT	74,4	84

BOIS ET TRAVAUX	9394_PHOTOVOLTAIQUE BOIS ET TRAVAUX	30	30,42
BOISELEC	8319_PHOTOVOLTAIQUE BOISELEC	21,66	24,05
BOULANGERIE DELHAYE	8685_PHOTOVOLTAIQUE BOULANGERIE DELHAYE	66	68,6
BOULEMBERG	8997_PHOTOVOLTAIQUE BOULEMBERG	175	239,98
BOUNAMEAUX	8690_PHOTOVOLTAIQUE OPEL BOUNAMEAUX	200	200
BOURGUIGNON	8527_PHOTOVOLTAIQUE BOURGUIGNON	63	72,96
BRANIMMO	9284_PHOTOVOLTAIQUE BRANIMMO	68	69,25
BRASSERIE DES FAGNES	10027_PHOTOVOLTAIQUE BRASSERIE DES FAGNES	44	44
BRASSERIE DUBUISSON FRÈRES	8520_PHOTOVOLTAIQUE BRASSERIE DUBUISSON FRERES	136	144,18
BRASSERIE VANUXEEM	8192_PHOTOVOLTAIQUE VANUXEEM	185	211,5
BREDA	8160_PHOTOVOLTAIQUE BREDA	52,5	58,65
BREUER TECHNICAL DEVELOPMENT	9121_PHOTOVOLTAIQUE BREUER TECHNICAL DEVELOPMENT	30	30,525
BRICO BOIS	10042_PHOTOVOLTAIQUE BRICO CLABECQ	100	100
BRICO RESIMONT	8501_PHOTOVOLTAIQUE HUBO WANZE	57,6	70,08
BRICO SAINT-ELOI	8678_PHOTOVOLTAIQUE BRICO SAINT-ELOI	69	78
BRICO SERVICE	8435_PHOTOVOLTAIQUE BRICO SERVICE	68	70,8
BRICOLAGES LESSINES	8437_PHOTOVOLTAIQUE BRICOLAGES LESSINES	50	54,6
BRICOMA	8503_PHOTOVOLTAIQUE HUBO EUPEN	54,9	61,92
BRICOPHI	8872_PHOTOVOLTAIQUE BRICOPHI- HUBO	23	25,5
BRICOSTORE	8560_PHOTOVOLTAIQUE BRICOSTORE	85	89,915
BRIDGESTONE AIRCRAFT TIRE	7926_PHOTOVOLTAIQUE BRIDGESTONE AIRCRAFT TIRE	31,5	32,4
BRIMOU	8502_PHOTOVOLTAIQUE HUBO MOUSCRON	48,4	53,28
BRONE	9297_PHOTOVOLTAIQUE BRONE	49	62,73
BSOLUTIONS MANAGEMENT	9249_PHOTOVOLTAIQUE BSOLUTIONS	22	22,05
BUILDING SOLAR II	9009_PHOTOVOLTAIQUE COBATIM	79,8	116
	9007_PHOTOVOLTAIQUE COBEFA	165	230
	9324_PHOTOVOLTAIQUE DECOMO	198	249,76
	9293_PHOTOVOLTAIQUE DELY WAFELS	79,2	110,005
	9008_PHOTOVOLTAIQUE H&V	175	250
	9325_PHOTOVOLTAIQUE PLUKON MOUSCRON	198	248,96
	9323_PHOTOVOLTAIQUE REX PANELS & PROFILES II	165	240
	9377_PHOTOVOLTAIQUE SIOEN CALENDERING	198	250
	9181_PHOTOVOLTAIQUE SIOEN FIBRES	198	249,76
BUILDINGS & RETROFIT	8967_PHOTOVOLTAIQUE ABBAYE-DE-MAREDSOUS	195	227,96
	9000_PHOTOVOLTAIQUE BODART & GONAY	216	
	·		250
	8745_PHOTOVOLTAIQUE BOULET MENAGE	156	191,5
	8321_PHOTOVOLTAIQUE BTN	166	192,97
	8769_PHOTOVOLTAIQUE CHIMAC	219	249,75
	8770_PHOTOVOLTAIQUE FACQ LOCISTICS	102	119,98
	8768_PHOTOVOLTAIQUE FACQ LOGISTICS	211	250,48
	8682_PHOTOVOLTAIQUE GAUDER	163	192,815
	10146_PHOTOVOLTAIQUE HOTEL ALIZÉE MOUSCRON	45	45
	8219_PHOTOVOLTAIQUE MECAMOLD	68	74,52
	8771_PHOTOVOLTAIQUE PACARBEL	171	192,39
	9001_PHOTOVOLTAIQUE ROGISTER	219	249,84

BUMA	9113_PHOTOVOLTAIQUE BUMA	17	17
BURE	8434_PHOTOVOLTAIQUE BURE	34	37,895
BUSINY	9312_PHOTOVOLTAIQUE BUSINY	192	220
BUTTIENS FRUITS	8596_PHOTOVOLTAIQUE FRIGOS VERLAINE	124,9	166
BV CATERING	9555_PHOTOVOLTAIQUE DOMAINE LA BLOMMERIE	29,5	29,5
BW EUPEN	8371_PHOTOVOLTAIQUE BW EUPEN 1	69	76,685
	8372_PHOTOVOLTAIQUE BW EUPEN 2	26	27,44
C. CONSULTING	9214_PHOTOVOLTAIQUE T.L.I	107	125
C.E.W.A.C.	9439_PHOTOVOLTAIQUE CEWAC	80	88,92
CAFÉS LIEGÉOIS	9431_PHOTOVOLTAIQUE CAFÉS LIÉGEOIS	220	249,48
CAISSERIES BELLE-VUE	8405_PHOTOVOLTAIQUE CAISSERIES BELLE-VUE	238	249,9
CAPAUL	8168_PHOTOVOLTAIQUE CAPAUL	236	250,145
CARACTERE MB	9040_PHOTOVOLTAIQUE CARACTERE MB	21,42	21,42
CARDON LOGISTIQUE	8664_PHOTOVOLTAIQUE CARDON LOGISTIQUE	240	246,96
CARGO LIFTING	8162_PHOTOVOLTAIQUE CARGO LIFTING	120	130,41
CARLIER BOIS	8159_PHOTOVOLTAIQUE CARLIER BOIS	26	26
CARO FERNELMONT	8945_PHOTOVOLTAIQUE CARO FERNELMONT	500	506
CARO-CONFORT	9048_PHOTOVOLTAIQUE CARO-CONFORT	41	41,76
CARRIERE DE LA HAZOTTE	10211_PHOTOVOLTAIQUE CARRIERE DE LA HAZOTTE	75	81,12
CARRO WAVRE	8314_PHOTOVOLTAIQUE INTERCARRO	59	63,92
CARROQUAD	8714_PHOTOVOLTAIQUE CARROQUAD	45	50,4
CARROSSERIE DELTENRE	9450_PHOTOVOLTAIQUE CARROSSERIE DELTENRE	37	37,7
CARROSSERIE PIRON	8302_PHOTOVOLTAIQUE CARROSSERIE PIRON	34	38,54
CARROSSERIE VANDERHEYDEN FRÈRES	8538_PHOTOVOLTAIQUE CARROSSERIE VANDERHEYDEN	28	30
CARRY GERON	10078_PHOTOVOLTAIQUE CARRY GERON	83	83
CARTONNERIES DE WALLONIE	10200_PHOTOVOLTAIQUE CDW-COURCELLES	225	249,9
CASTEL ENGINEERING	8860_PHOTOVOLTAIQUE CASTEL ENGINEERING	382,8	463,62
CATOULE	8381_PHOTOVOLTAIQUE CATOULE	68	84
CBC BANQUE	10532_PHOTOVOLTAIQUE CBC BANQUE BATTICE	40	40
CELEM	8193_PHOTOVOLTAIQUE CELEM	45	47,559
CENTRE	8713_PHOTOVOLTAIQUE CARREFOUR MARKET SAINT-HUBERT	45	52,92
	9364_PHOTOVOLTAIQUE CENTRE D'AFFAIRES SYNERGIE ET		
CENTRE D'AFFAIRES SYNERGIE ET CROISSANCE	CROISSANCE	69	83,058
CENTRE DE DEVELOPPEMENT RURAL	9350_PHOTOVOLTAIQUE HALLE DE HAN	50	60
CENTRE ÉQUESTRE HARAS WISBECQ	8358_PHOTOVOLTAIQUE CENTRE EQUESTRE HARAS WISBECQ 9398_PHOTOVOLTAIQUE CENTRE HOSPITALIER REGIONAL DE LA	96	110,25
CENTRE HOSPITALIER REGIONAL DE LA HAUTE SENNE	HAUTE SENNE	370	425,22
CENTRE MEDICAL HELIPORTE	8431_PHOTOVOLTAIQUE CMH	32,5	33,28
CENTRETOILE	9065_PHOTOVOLTAIQUE CENTRETOILE	79,44	79,44
CERAL	10288_PHOTOVOLTAIQUE CERAL	55	64,8
CERATEC ELECTROTECHNICS	63873_PHOTOVOLTAIQUE CERATEC ELECTROTECHNICS	210	230,88
CEZAR MEUBLES	7968_PHOTOVOLTAIQUE CEZAR MEUBLES	82,8	84,6
CHACON	8258_PHOTOVOLTAÏQUE CHACON	80	80,92
CHAPELLERIE HERMAN	8039_PHOTOVOLTAIQUE CHAPELLERIE HERMAN	21	22,08
CHARLEROI SALAISON	9402_PHOTOVOLTAIQUE CHASAL	83,2	84,25
CHATEAUXX	8781_PHOTOVOLTAIQUE CHATEAUXX	62,32	79,38

CHAUDRO 2000	7942_PHOTOVOLTAIQUE CHAUDRO 2000	50,5	51,84
CHIMAC	8772_PHOTOVOLTAIQUE CHIMAC BUREAUX	42	44,16
CHIRURGICAL MAINTENANCE	8853_PHOTOVOLTAIQUE CHIRURGICAL MAINTENANCE	42	54,755
CHOCOLATERIE BELVAS	8163_PHOTOVOLTAIQUE CHOCOLATERIE BELVAS	69	74,88
CHRISTIAENS BETON	8720_PHOTOVOLTAIQUE CHRISTIAENS BETON	45	49
CHRISTIAN LECLERCQ	51651_Photovoltaïque BOUCHONS Leclercq	44	51,72
CIBB	8568_PHOTOVOLTAIQUE CIBB	166,5	166,5
CIC PACKAGING	8590_PHOTOVOLTAIQUE CIC PACKAGING	110,4	129,54
CIREPA	8607_PHOTOVOLTAIQUE CIREPA	192,4	228,225
CLEMENCO	8765_PHOTOVOLTAIQUE CLEMENCO	75	91
CLIBO	10116_PHOTOVOLTAIQUE LES AMANDIERS	29	32,895
CLIMACOOL	8399_PHOTOVOLTAIQUE CLIMACOOL	24	25
COCA COLA	8127_PHOTOVOLTAIQUE COCA COLA	96,6	98,7
COCA-COLA ENTREPRISES BELGIUM	9403_PHOTOVOLTAIQUE COCA-COLA CHAUDFONTAINE	120	136,08
CODE IMMO	8377_PHOTOVOLTAIQUE CODE IMMO	38	40,3
CODIBEL	8099_PHOTOVOLTAIQUE CODIBEL	115	123,97
COFELY FABRICOM INDUSTRIE SUD	8855_PHOTOVOLTAIQUE COFELY FABRICOM ANS	175	200,64
	8857_PHOTOVOLTAIQUE COFELY FABRICOM FLEURUS	48	55,25
COFELY FABRICOM INFRA SUD	8856_PHOTOVOLTAIQUE COFELY FABRICOM BRAINE L'ALLEUD	175	201,6
COFELY SERVICES	9005_PHOTOVOLTAIQUE TECHNIFUTUR	96	113,75
COGEAF GROUP	9046_PHOTOVOLTAIQUE COGEAF GROUP	112	112,5
COGETRINA S.A	8813_PHOTOVOLTAIQUE SOCIETE DUFOUR - COGETRINA	223	250
COLLINET	8753_PHOTOVOLTAIQUE COLLINET	31,2	35,25
COLLINET	8754_PHOTOVOLTAIQUE COLLINET HERMALLE	75	84,6
COLONA	10108_PHOTOVOLTAIQUE COLONA	300	350
COMES BOIS	8789_PHOTOVOLTAIQUE COMES BOIS	86	93,71
COMIJN HERVE ET COMIJN MATHIEU	10050_PHOTOVOLTAIQUE FERME COMIJN	85	103,02
COMITE DU LAIT	10176_PHOTOVOLTAIQUE COMITÉ DU LAIT	80	88,02
COMMUNE D'ATTERT	193_PHOTOVOLTAIQUE ÉCOLE COMMUNALE D'ATTERT	18,9	21,12
COMMUNE D'AUBEL	9506_PHOTOVOLTAIQUE ABATTOIR AUBEL	114,8	149,96
COMMUNE DE FARCIENNES	10170_PHOTOVOLTAIQUE COMMUNE DE FARCIENNES	103	120
COMMUNE DE FERNELMONT	10217_PHOTOVOLTAIQUE COMMUNE DE FERNELMONT	25	25,85
COMMUNE de Libramont	8987_PHOTOVOLTAIQUE HALL DES FOIRES DE LIBRAMONT	60	64,8
COMMUNE DE PERWEZ	7965_PHOTOVOLTAIQUE HALL DES SPORTS (PERWEZ)	29	32,4
COMMUNE DE ROUVROY	9049_PHOTOVOLTAIQUE COMPLEXE SPORTIF ET CULTUREL	85	107,1
COMMUNE DE SAINT-LÉGER	10354_PHOTOVOLTAIQUE ADMINISTRATION COMMUNALE SAINT- LÉGER	26	26
COMMUNE de THUIN	8890_PHOTOVOLTAIQUE HALL POLYVALENT THUIN	25	29,76
COMMUNE D'ÉTALLE	9373_PHOTOVOLTAIQUE SERVICE RÉGIONAL D'INCENDIE	21	22,05
COMPTOIR DES FAGNES	10026_PHOTOVOLTAIQUE COMPTOIR DES FAGNES	72	81,9
CONCEPTEXPO PROJECT	8499_PHOTOVOLTAIQUE CONCEPTEXPO PROJECT	240	249,9
COONEN GRAPHICS	10304_PHOTOVOLTAIQUE CONNEN GRAPHICS	100	124,8
C***	9479_P*** (LOBBES)	50	59,67
COPERFIN	8738_PHOTOVOLTAIQUE ADS	50,16	59,67
COPPÉE et COPPÉE	1838_PHOTOVOLTAIQUE IXINA	47,915	47,915

CORA	8255_PHOTOVOLTAIQUE CORA CHATELINEAU	805	962,82
	8253_PHOTOVOLTAIQUE CORA LA LOUVIÈRE	571	659,815
	8252_PHOTOVOLTAIQUE CORA MESSANCY	1048	1243,65
	8251_PHOTOVOLTAIQUE CORA ROCOURT	438	499,5
CORI	10159_PHOTOVOLTAIQUE CORI	50,7	52
CORMAN - HALLEUX & FILS	9197_PHOTOVOLTAIQUE CORMAN - HALLEUX	50	50
COULEMBIER & CIE	8762_PHOTOVOLTAIQUE COULEMBIER & CIE	45	58,86
C***	8389_P*** (BAELEN (LG.))	20	20
C***	10409_P*** (FOSSES-LA-VILLE)	40	46,98
CSPV	9359_PHOTOVOLTAIQUE ION BEAM APPLICATIONS (IBA)	100	111,28
DAD FRÈRES	8563_PHOTOVOLTAIQUE AD DELHAIZE VERLAINE	85	92,96
Daniel MINNE-HOCK	8980_PHOTOVOLTAIQUE DANIEL MINNE HOCK	129,9	129,9
DANNEMARK	10235_PHOTOVOLTAIQUE DANNEMARK	60	68,9
DARIO & CO	8633_PHOTOVOLTAIQUE DALLA VALLE	30	35,28
	8634_PHOTOVOLTAIQUE METAL QUARTZ	47,6	54,88
DAUVISTER	9090_PHOTOVOLTAIQUE DAUVISTER	48,12	48,12
D***	8158_P*** (HOUYET)	27	31,68
DB SCHENKER	8683_PHOTOVOLTAIQUE DB SCHENKER	190	216
DB SERVICES	8571_PHOTOVOLTAIQUE DB SERVICES	100	115,2
DE BROGNIEZ	9522_PHOTOVOLTAIQUE DE BROGNIEZ	34	44,88
D***	66418_P*** (FOCANT)	20	22,31
D***	8885_P*** (DONGELBERG)	29	30
DEBAENST	8331_PHOTOVOLTAIQUE DEBAENST	225	248,7
D***	9272_P*** (GESVES)	40	44,37
DÉCOR ET JARDIN	8225_PHOTOVOLTAIQUE DÉCOR ET JARDIN	192	201,135
DECRAENE Kris	9041_PHOTOVOLTAIQUE BUSINESS CENTER POINT CARRE	75	82,04
D***	8457_P*** (DOTTIGNIES)	68	70,03
D***	9120_P*** (THY-LE-CHÂTEAU)	11,4	14,5
DELABIE	7166_PHOTOVOLTAIQUE DELABIE	1394,9	1537,76
DELBAR	9556_PHOTOVOLTAIQUE GARAGE DELBAR	60	60,48
D***	8700_P*** (FAIMES)	20	21,56
DELHEZ	8755_PHOTOVOLTAIQUE DELHEZ	204	242,75
DÉLICES DE COMINES	8595_PHOTOVOLTAIQUE DELICES DE COMINES	180	199,8
DELISNACK	8040_PHOTOVOLTAIQUE DELISNACK	67,16	67,16
DELPLEX	10324_PHOTOVOLTAIQUE DELPEX	50	56,28
DELTA LUMINANCE	9196_PHOTOVOLTAIQUE DELTA LUMINANCE	40	45,825
DELTA SOLAR ENERGY	8458_PHOTOVOLTAIQUE CARREFOUR MARKET CHAPELLE-LEZ- HERLAIMONT	60	62,96
	8448_PHOTOVOLTAIQUE CARREFOUR MARKET GERPINNES	139	144,06
	8445_PHOTOVOLTAIQUE CARREFOUR MARKET JAMBES	64	65,66
	8449_PHOTOVOLTAIQUE CARREFOUR MARKET MESTDAGH GILLY	210	219,27
	8446_PHOTOVOLTAIQUE CARREFOUR MARKET TRAZEGNIES	126	132,3
	8447_PHOTOVOLTAIQUE CARREFOUR MARKET WAVRE	80	83,3
	8229_PHOTOVOLTAIQUE UCB PHARMA	225	249,9
DELTRIAN INTERNATIONAL	8316_PHOTOVOLTAIQUE DELTRIAN INTERNATIONAL	30	30,82

DENIS BALTUS	8830_PHOTOVOLTAIQUE DENIS BALTUS	30	31,8
D***	9415_P*** (PONT-À-CELLES)	36	36
DEOM	9538_PHOTOVOLTAIQUE DEOM	43,8	45
	9539_PHOTOVOLTAIQUE DEOM LIBIN	140	150
DEPRO PROFILES	9002_PHOTOVOLTAIQUE DEPRO PROFILES	165	240
DEQUACHIM	8839_PHOTOVOLTAIQUE DEQUACHIM	180	200
DERCO	8076_PHOTOVOLTAIQUE DERCO	20	23,5
D***	9517_P*** (MARCQ)	24	26,52
DESIGN METAL	9006_PHOTOVOLTAIQUE DESIGN METAL	91	122,2
DETANDT SIMON	8724_PHOTOVOLTAIQUE DETANDT SIMON	149,96	149,96
DEVAMEAT	8408_PHOTOVOLTAIQUE DEVAMEAT	150	154,36
D***	103082_P*** (BASSILLY)	40	47,32
D***	10228_P*** (BOUSVAL)	30	31,2
D'ICI	8946_PHOTOVOLTAIQUE D'ICI	56	66,88
DIEDERICKX J-F	8037_PHOTOVOLTAIQUE DIEDERICKX	19,9	19,9
DINIMA	10337_PHOTOVOLTAIQUE DINIMA	53,4	53,4
D'INTERIEUR	8625_PHOTOVOLTAIQUE D'INTERIEUR	140	149,76
DISTRI- INCOURT	8466_PHOTOVOLTAIQUE DISTRI-INCOURT	85	88,66
DISTRIFOOD II	8425_PHOTOVOLTAIQUE AD DELHAIZE FLORENVILLE	105,75	116
DISTRY HANNUT	9509_PHOTOVOLTAIQUE DISTRY HANNUT	49	53,25
DIVINS	8325_PHOTOVOLTAIQUE DIVINS	24	26,79
DLDB	9087_PHOTOVOLTAIQUE DLDB	52	56
DMPI	8889_PHOTOVOLTAIQUE DMPI	40	45,54
DOLCE LA HULPE	8185_PHOTOVOLTAIQUE DOLCE LA HULPE	238	249,805
DOMAINE DE BERINZENNE	8412_PHOTOVOLTAIQUE BERINZENNE - MAISON NATURE	25	26,46
	8411_PHOTOVOLTAIQUE BERINZENNE - MUSEE	36	37,73
DOMAINE PROVINCIAL DE CHEVETOGNE	6369_PHOTOVOLTAIQUE DOMAINE PROVINCIAL DE CHEVETOGNE	60	62,9
DRAFIL DRAFIL	8626_PHOTOVOLTAIQUE DRAFIL	228	249
DRINK SCAILLET	8461_PHOTOVOLTAIQUE DRINK SCAILLET	51	55,46
DUBONDIS	9095_PHOTOVOLTAIQUE DIBONDIS BON-SECOURS	90	91,14
	9071_PHOTOVOLTAIQUE PROXY DELHAIZE	45	
	9071_PHOTOVOLTAIQUE PROXY DELHAIZE 9074_PHOTOVOLTAIQUE PROXY DELHAIZE COMINES	82	47,04
DUCHENE	9451_PHOTOVOLTAIQUE PROXY BELHAIZE COMINES	189	83,3
			213,72
DUFOUR	8343_PHOTOVOLTAIQUE DUFOUR	230	250
DUTRA	9044_PHOTOVOLTAIQUE DUTRA	37	45
DUVINDIS	9073_PHOTOVOLTAIQUE DUVINDIS	30	31,605
E&D DISTRIBUTION	8572_PHOTOVOLTAIQUE E&D DISTRIBUTION	54	58,88
E.C.F. ECO LOGIX WALLONIE	8164_PHOTOVOLTAIQUE E.C.F	72	79,44
	8616_PHOTOVOLTAIQUE BEP FLOREFFE	220	249,9
	9003_PHOTOVOLTAIQUE DECO LOGIS	130	149,685
	9353_PHOTOVOLTAIQUE DOW CORNING	180	246,33
	9354_PHOTOVOLTAIQUE DOW CORNING - UTI	180	246,33
	8998_PHOTOVOLTAIQUE FOODPARTNERS	220	249,9
	8743_PHOTOVOLTAIQUE GO PATAT	220	249,9
	8999_PHOTOVOLTAIQUE GOEMAERE	220	249,9

	9306_PHOTOVOLTAIQUE MC BRIDE I	180	246,33
	9305_PHOTOVOLTAIQUE MC BRIDE II	180	246,33
ECO SOLAR INVEST	9545_PHOTOVOLTAIQUE BRU CHEVRON	220	249,9
	9554_PHOTOVOLTAIQUE CLINIQUE SAINTE-ÉLISABETH	129	143,055
	9559_PHOTOVOLTAIQUE SPA MONOPOLE	220	249,9
	9544_PHOTOVOLTAIQUE SWDE - BARRAGE DE LA VESDRE	210	234,78
	9495_PHOTOVOLTAIQUE SWDE COUILLET	231	249,84
	9552_PHOTOVOLTAIQUE SWDE GAURAIN	100	113,1
	9508_PHOTOVOLTAIQUE SWDE Herstal	231	250,08
	9553_PHOTOVOLTAIQUE SWDE NAGIMONT	220	243,36
	9465_PHOTOVOLTAIQUE SWDE STEMBERT	231	250,595
ECOBATI	8994_PHOTOVOLTAIQUE ECOBATI	65,2	73,44
E-COCOON	8621_PHOTOVOLTAIQUE FINITION METAL	186	216,825
	8620_PHOTOVOLTAIQUE GASCARD GSC	34	41,16
ECORUS INVEST II	8644_PHOTOVOLTAIQUE FORUM EUPEN	207,5	249,9
	9351_PHOTOVOLTAIQUE TOTAL DEPOT PETROLIER FELUY	220,8	249,828
ECOSTAL	8450_PHOTOVOLTAIQUE ECOSTAL	48	58,8
EDF Luminus	10476_PHOTOVOLTAIQUE CENTRALE HYDRAULIQUE DE MONSIN	130	130
ÉDITIONS DUPUIS	9456_PHOTOVOLTAIQUE EDITIONS DUPUIS	52	56,16
ÉDITIONS PANINI BELGIQUE	8991_PHOTOVOLTAIQUE EDITIONS PANINI BELGIQUE	48	52,92
ELEAFIN	9224_PHOTOVOLTAIQUE MENUISERIE DE BAERE	40	42,63
ELOY PREFAB	8157_PHOTOVOLTAIQUE ELOY PREFAB	233,1	248,4
ELSA	9436_PHOTOVOLTAIQUE LA CRECHE CHAMPS ET GAZOUILLIS	31	34,8
EMPREINTE	10473_PHOTOVOLTAIQUE EMPREINTE	25	26,52
ENECO SOLAR BELGIUM	7996_PHOTOVOLTAIQUE ENDECO	38	39,6
	8298_PHOTOVOLTAIQUE BRIQUETERIE WIENERBERGER PERUWELZ	229	244,575
	9029_PHOTOVOLTAIQUE CENTRE ADMINISTRATIF DE CINEY	40	42,875
	10233_PHOTOVOLTAIQUE STOCKHABO ICE	950	999,75
ENECO SOLAR ENERGY 1	8297_PHOTOVOLTAIQUE TUILERIE WIENERBERGER MOUSCRON	220	242
	8778_PHOTOVOLTAIQUE GOURMAND	220	237,5
	8741_PHOTOVOLTAIQUE INTERWAFFELS - LOTUS BAKERIES	240	249,78
	9063_PHOTOVOLTAIQUE MYDIBEL	250	278,48
	8911_PHOTOVOLTAIQUE STOCKHABO	230,4	251,4
	8819_PHOTOVOLTAIQUE THIRY	240	249,32
	9361_PHOTOVOLTAIQUE TRANSMYL MOUSCRON	240	249,57
	9376_PHOTOVOLTAIQUE XPO LOGISTICS	240	249,57
ENECO SOLAR ENERGY 3 ENERSOL	8744_PHOTOVOLTAIQUE GRAMYBEL	900	990
EINENSUL	9256_PHOTOVOLTAIQUE ENERSOL	42	48,88
	9255_PHOTOVOLTAIQUE GARAGE LIEGEOIS	42	44,472
	9327_PHOTOVOLTAIQUE SYLVAIN LIEGEOIS	36	38,88
	9027_PHOTOVOLTAIQUE TRAITEUR LES COURS	112	126,222
ENGEM	9229_PHOTOVOLTAIQUE IDBA	30	41,16
ENR INVEST	8732_PHOTOVOLTAIQUE ECOCABLE THE SPIN	41,4	42
ENTRAIDE PAR LE TRAVAIL D'ENGHIEN ET ENVIRONS	9414_PHOTOVOLTAIQUE ETA	40	50
ENTRANAM	9024_PHOTOVOLTAIQUE ENTRANAM	57,6	67,62

ENTREPRISE GÉNÉRALE GUSTAVE ET YVES LIÉGEOIS	7918_PHOTOVOLTAIQUE LIÉGEOIS G ET Y	12	12,98
ENTREPRISES GOFFREDO	9437_PHOTOVOLTAIQUE ENTREPRISES GOFFREDO	68	74,97
ENTREPRISES SCHMITZ	9530_PHOTOVOLTAIQUE MENUISERIE SCHMITZ	37	3
ENTREPRISES VINCENT T'SERSTEVENS	8561_PHOTOVOLTAIQUE EVS	210	244,
ENVEMAT	9083_PHOTOVOLTAIQUE B-M-V	30	35,72
EOLY	9015_PHOTOVOLTAIQUE COLRUYT BASÈCLES	68	72,5
	10344_PHOTOVOLTAIQUE COLRUYT CHAPELLE-LEZ-HERLAIMONT	100	126,48
	9334_PHOTOVOLTAIQUE COLRUYT CINEY	98	115
	9012_PHOTOVOLTAIQUE COLRUYT DINANT	68	74,97
	9014_PHOTOVOLTAIQUE COLRUYT ERQUELINNES	68	75,215
	9332_PHOTOVOLTAIQUE COLRUYT GREZ_DOICEAU	68	82
	9016_PHOTOVOLTAIQUE COLRUYT LEUZE	68	75
	9017_PHOTOVOLTAIQUE COLRUYT LIBRAMONT	68	75
	9013_PHOTOVOLTAIQUE COLRUYT MONS	79	90,005
	9333_PHOTOVOLTAIQUE COLRUYT OLLIGNIES	200	248,92
	9566_PHOTOVOLTAIQUE COLRUYT SERAING	120	146,28
	9018_PHOTOVOLTAIQUE COLRUYT WAREMME	51	55,575
	9567_PHOTOVOLTAIQUE COLRUYT WATERLOO	100	121,9
	8433_PHOTOVOLTAIQUE COLRUYT WÉPION	60	75,14
EPCO	9117_PHOTOVOLTAIQUE EPCO	210	249,9
EPSILON SOLAR ENERGY	8254_PHOTOVOLTAIQUE CORA HORNU	248	249,9
	8223_PHOTOVOLTAIQUE EUROPAL PACKAGING	238	249,9
	8409_PHOTOVOLTAIQUE PRATT & WHITNEY	238	249,9
EQUISTAL	8439_PHOTOVOLTAIQUE EQUISTAL	40	40
ERPC	10250_PHOTOVOLTAIQUE ERPC	175	175
ESMOBEL	10186_PHOTOVOLTAIQUE ESPACE MODE AUBEL	90	90
ETA LE SAUPONT	8360_PHOTOVOLTAIQUE ATELIER PROTÉGÉ LE SAUPONT	221	235,2
ÉTABLISSEMENTS BRACONNIER	8470_PHOTOVOLTAIQUE ETABLISSEMENTS BRACONNIER	20	22,4
ÉTABLISSEMENTS CARLIER RODOLPHE	9184_PHOTOVOLTAIQUE CARLIER - NOUGAT	207	249,6
ÉTABLISSEMENTS CHARLES LAMBERT	9424_PHOTOVOLTAIQUE ETABLISSEMENTS CHARLES LAMBERT	52	61,2
ÉTABLISSEMENTS KEVERS	8139_PHOTOVOLTAIQUE KEVERS MATERIAUX	16,8	18,62
Établissements Pague Yvan	9257_PHOTOVOLTAIQUE PAQUE	104	108,12
ÉTABLISSEMENTS WUST Jean	8166_PHOTOVOLTAIQUE ETABLISSEMENT WUST Jean	170	188
ÉTIENNE - BONNE FORTUNE	8305_PHOTOVOLTAIQUE ETIENNE BONNE FORTUNE	60	66
ETILUX	8361_PHOTOVOLTAIQUE ETILUX	90	90
ETS A. SCHROYEN	8416_PHOTOVOLTAIQUE SCHROYEN	32	36,75
ETS DENIS	7975_PHOTOVOLTAIQUE DENIS Jean-Luc	118,4	129,03
ETS DEVILLERS	8722_PHOTOVOLTAIQUE GARAGE DEVILLERS	47	52,5
ETS E. RONVEAUX	9050_PHOTOVOLTAIQUE ETS. E. RONVEAUX	216	250
Ets Emile Vanhulen	10402_PHOTOVOLTAIQUE ETS EMILE VANHULEN	220	220
ETS FELIX SPIRLET FILS	8430_PHOTOVOLTAIQUE SPIRLET AUTOMOBILES	131	138,32
ETS G. FAYEN	9092_PHOTOVOLTAIQUE FAYEN	83	92,18
ETS HOORNE	8588_PHOTOVOLTAIQUE HOORNE	44	44
ETS MARCEL COLLIGNON	8064_PHOTOVOLTAIQUE ETS MARCEL COLLIGNON	46	49,14
EUROMI	8436_PHOTOVOLTAIQUE EUROMI DISON - ANDRIMONT	32	38,88

EUROPEAN METROLOGY SYSTEMS	10134_PHOTOVOLTAIQUE EMS	62	74,556
EUROPLANTES	8981_PHOTOVOLTAIQUE EUROPLANTES	39	43,2
EUROSHOP	8438_PHOTOVOLTAIQUE EUROSHOP	195	224,94
EUROVER	9460_PHOTOVOLTAIQUE EUROVER	216,8	250
EUTRONIX	9237_PHOTOVOLTAIQUE EUTRONIX	80	97,92
EVS BROADCAST EQUIPMENT	9182_PHOTOVOLTAIQUE EVS	142	153
FABRIBOIS	10104_PHOTOVOLTAIQUE FABRIBOIS	220	249,895
FAMENNE BETON	10172_PHOTOVOLTAIQUE FAMENNE BETONS	49,92	49,92
FAMIFLORA	8725_PHOTOVOLTAIQUE FAMIFLORA NV	242,92	242,92
FASTRAL SERVICES	9498_PHOTOVOLTAIQUE FASTRAL SERVICES FAMILLEUREUX	202	249,78
	9500_PHOTOVOLTAIQUE FASTRAL SERVICES MANAGE	22	24,84
FAYMONVILLE AG	8566_PHOTOVOLTAIQUE FAYMONVILLE AG	221	250,04
	8570_PHOTOVOLTAIQUE FAYMONVILLE CNC	221	250,04
FAYMONVILLE SERVICES AG	8443_PHOTOVOLTAIQUE FAYMONVILLE SERVICES	221	250,04
FCM CLARINVAL	8825_PHOTOVOLTAIQUE FCM CLARINVAL	69,92	69,92
FEBELCO	9025_PHOTOVOLTAIQUE MAUROY	238	249,9
FEMAT	9564_PHOTOVOLTAIQUE FEMAT	60	60
FERMALUX	9371_PHOTOVOLTAIQUE FERMALUX	62	73,84
FERME AVICOLE DE LONGUEVILLE	8518_PHOTOVOLTAIQUE FERME AVICOLE DE LONGUEVILLE	81,4	90
FERME D'ARTHIMA	8803_PHOTOVOLTAIQUE FERME D'ARTHIMA	20	24,5
FERME DEJONCKHEERE	10262_PHOTOVOLTAIQUE FERME DEJONCKHEERE SAGR	99	99
FERME DU MOULIN DE CAUMONT	9404_PHOTOVOLTAIQUE FERME DU MOULIN DE CAUMONT	41,4	42,84
FERNEL-DIS	8469_PHOTOVOLTAIQUE FERNEL-DIS	82	88,4
FERRONNERIE DOBBELSTEIN	8983 PHOTOVOLTAIOUE FERRONNERIE DOBBELSTEIN	32	36
FIB Belgium	3639_PHOTOVOLTAIQUE FIB BELGIUM	224	230,34
FINALE 24	8958_PHOTOVOLTAIQUE FINALE 24 EUPEN	39,5	45,23
FINENERGY	9287_PHOTOVOLTAIQUE ETS DE RIJCKEL	59,67	59,67
	9331_PHOTOVOLTAIQUE INSTITUT LOUIS MARIE	66	66,6
F***	9467_P*** (ÉGHEZÉE)	40	48
FLAMEXCO INDUSTRIE	8766_PHOTOVOLTAIQUE FLAMEXCO INDUSTRIE	70	79,68
FLAUREA CHEMICALS	8022_PHOTOVOLTAIQUE USINE DE ATH	221	228,78
FLAXSEED SERVICES	9356_PHOTOVOLTAIQUE FLAXSEED SERVICES	126,6	183
FLORAGRI	9307_PHOTOVOLTAIQUE MAGASIN FLORAGRI	60	68,85
FONDERIE JACQUET	8347_PHOTOVOLTAIQUE FONDERIE JACQUET	54,78	54,78
FPR LEUZE	8975_PHOTOVOLTAIQUE POINDENIE SACQUET	328	
FRANKI FOUNDATIONS BELGIUM	9026 PHOTOVOLTAIQUE FRANKI	164,4	405,23 188,955
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FROM-UN	9441_PHOTOVOLTAIQUE FROM-UN	75	82,62
FUGEL FRAIS	7997_PHOTOVOLTAIQUE FUGEL FRAIS	21	22,54
GAI SEJOUR	8993_PHOTOVOLTAIQUE FERME DE BELLE VUE	168	190,785
GALLERE	8303_PHOTOVOLTAIQUE GALERE	33,8	33,81
GALLOO WALLONIE GAMMA SOLAR ENERGY	9270_PHOTOVOLTAIQUE GALLOO WALLONIE GHISLENGHIEN	170	170
	8183_PHOTOVOLTAIQUE CHAMPION MESTDAGH MAISIÉRE	241	249,56
	8379_PHOTOVOLTAIQUE CHAMPION JUMET	88	93,59
	8053_PHOTOVOLTAIQUE CHAMPION MESTDAGH COUILLET	163,66	163,66
	8146_PHOTOVOLTAIQUE CHAMPION MESTDAGH CERFONTAINE	66	68,85

	8148_PHOTOVOLTAIQUE CHAMPION MESTDAGH CHARLEROI VILLE 2	112	114,17
	8106_PHOTOVOLTAIQUE CHAMPION MESTDAGH CHATELINEAU	119	125,44
	8096_PHOTOVOLTAIQUE CHAMPION MESTDAGH FARCIENNES	75	76,93
	8110_PHOTOVOLTAIQUE CHAMPION MESTDAGH GOSSELIES	238	249,9
	8109_PHOTOVOLTAIQUE CHAMPION MESTDAGH JEMEPPE SUR SAMBRE	46	46,795
	8147_PHOTOVOLTAIQUE CHAMPION MESTDAGH TAMINES	102	107,065
	8095_PHOTOVOLTAIQUE CHAMPION-MESTDAGH FONTAINE-L'ÉVÊQUE	92	96,04
	8094_PHOTOVOLTAIQUE CHAMPION-MESTDAGH GEMBLOUX	112	113,19
	8295_PHOTOVOLTAIQUE CHAMPION-MESTDAGH GENAPPE	55	56,35
	8091_PHOTOVOLTAIQUE CHAMPION-MESTDAGH LUTTRE	92	94,08
	8092_PHOTOVOLTAIQUE CHAMPION-MESTDAGH MONCEAU 8093_PHOTOVOLTAIQUE CHAMPION-MESTDAGH MONT-SUR-	102 226	106,82 235,69
CARACE PRELIED ANTOINE	MARCHIENNE 0607 PHOTOVOLTAIOUE CARACE REFLIER ANTOINE		•
GARAGE BREUER ANTOINE	8687_PHOTOVOLTAIQUE GARAGE BREUER ANTOINE	69,795	69,795
GARAGE C. HAVELANGE GARAGE CONDROTTE	10131_PHOTOVOLTAIQUE GARAGE HAVELANGE 9574 PHOTOVOLTAIQUE GARAGE CONDROTTE	68 48	80,08
GARAGE CUNDROTTE GARAGE DU HAINAUT VANDECASTEELE			
	8569_PHOTOVOLTAIQUE GARAGE DU HAINAUT VANDECASTEELE	45	49,98
GARAGE GHEYSENS GARAGE LANGE	9355_PHOTOVOLTAIQUE GARAGE GHEYSENS	47,6	60
	9262_PHOTOVOLTAIQUE GARAGE LANGE - DINANT	34	34,75
GARAGE MIOLI	9263_PHOTOVOLTAIQUE GARAGE LANGE - METTET	21	22
	8971_PHOTOVOLTAIQUE GARAGE MIOLI	130	140,14
	8972_PHOTOVOLTAIQUE GARAGE MIOLI - CARROSSERIE	57	59,78
GARAGE MONNIER	8764_PHOTOVOLTAIQUE GARAGE MONNIER	95	111,18
GARAGE OCM	8752_PHOTOVOLTAIQUE GARAGE OCM	30	33,6
G***	8783_P*** (HERMETON-SUR-MEUSE)	36	40,8
GARSOU-ANGENOT	9106_PHOTOVOLTAIQUE GARSOU-ANGENOT	45	50
GAUME BOIS	7925_PHOTOVOLTAIQUE GAUME BOIS	15	16,56
GE4S SOLAR INVEST HAINAUT PRO	8645_PHOTOVOLTAIQUE VANDEPUTTE - OLEOCHEMICALS	219	250
GENAPPE MATERIAUX	9265_PHOTOVOLTAIQUE GENAPPE MATERIAUX	29,89	29,89
GENER	8969_PHOTOVOLTAIQUE SEMAF - AD DELHAIZE THOREMBAIS	89,2	102,25
GERARD CONSTRUCTION	10132_PHOTOVOLTAIQUE GERARD CONSTRUCTION	30	31,2
GESTION BIENS ET SERVICES	8406_PHOTOVOLTAIQUE GESTION BIENS ET SERVICES	17	17,42
GESTION- MANAGEMENT- COMMERCIALISATION	9496_PHOTOVOLTAIQUE GEMACO	42	50,18
GG MODE	9097_PHOTOVOLTAIQUE COLOR CODE	50	55,8
GHL Groupe	8081_PHOTOVOLTAIQUE GHL Groupe	113	113,28
GIACOMINI BENELUX	9478_PHOTOVOLTAIQUE GIACOMINI	40	49,98
GILFI	8653_PHOTOVOLTAIQUE GILFI	90	99,567
GIRRETZ PIERRE ENERGIES ALTERNATIVES GLAXOSMITHKLINE VACCINES	9338_PHOTOVOLTAIQUE GIRRETZ PIERRE ENERGIES ALTERNATIVES II	66	72,52
	8395_PHOTOVOLTAIQUE GLAXOSMITHKLINE VACCINES RIXENSART	72	78,474
	8396_PHOTOVOLTAIQUE GLAXOSMITHKLINE VACCINES WAVRE	99	100,19
	3418_PHOTOVOLTAIQUE GSK WAVRE	144,2	150,639
GMED HEALTHCARE	9576_PHOTOVOLTAIQUE JOHNSON & JOHNSON	240	250
GODFRIAUX & FILS	9193_PHOTOVOLTAIQUE GODFRIAUX & FILS	150	153,18
GOFFETTE	8041_PHOTOVOLTAIQUE GOFFETTE	59,8	59,925
GOHY	8963_PHOTOVOLTAIQUE GOHY	45	50,16

GOLD GO	9123_PHOTOVOLTAIQUE GOLD GO	30	36,5
GOLDIE	10411_PHOTOVOLTAIQUE GOLDIE SA	160	160
GOOSSE	8428_PHOTOVOLTAIQUE GOOSSE	46	47,88
GOUTHIÈRE ET VANKERCKEM	9304_PHOTOVOLTAIQUE GOUTHIERE ET VANKERCKEM	43	50,22
GRANDIS	9476_PHOTOVOLTAIQUE LES CROISETTES	68	76,518
GRANIT INTER	8226_PHOTOVOLTAIQUE GRANIT INTER	150	168
GRAUX	10219_PHOTOVOLTAIQUE GRAUX	70	70
GREEN CONSTRUCT	8823_PHOTOVOLTAIQUE GREEN CONSTRUCT	173,6	187,2
GREEN ENERGY 4 SEASONS	8509_PHOTOVOLTAIQUE AVICOLES DU WAYA	27	30,25
GREEN-INVEST	10139_PHOTOVOLTAIQUE ORCQ DISTRIBUTION	210	210
GREENWATCH 4-Indus	8565_PHOTOVOLTAIQUE ACEMAL	100	102,9
	8344_PHOTOVOLTAIQUE AGR GALET MARCEL	60	60
	8386_PHOTOVOLTAIQUE ANTOINE ACTIVE	30	31,36
	8228_PHOTOVOLTAIQUE BLAISE	70,56	70,56
	8840_PHOTOVOLTAIQUE BRUYERRE	249,9	249,9
	8452_PHOTOVOLTAIQUE COGEZAF	40	41,16
	8689_PHOTOVOLTAIQUE DELTA CAPITAL LOGISTICS HALLS 2A	238	249,9
	8688_PHOTOVOLTAIQUE DELTA CAPITAL LOGISTICS HALLS 2B ET C	238	249,9
	8801_PHOTOVOLTAIQUE DIMAGES	129	135,485
	8407_PHOTOVOLTAIQUE DISTRIFOOD	163	166,845
	8618_PHOTOVOLTAIQUE ENTREPRISES KOECKELBERG	92	94,815
	8802_PHOTOVOLTAIQUE EXKI	47	49,98
	8526_PHOTOVOLTAIQUE FERNAND GEORGES	170	178,85
	8077_PHOTOVOLTAIQUE GALVAMETAUX	132	136,71
	8115_PHOTOVOLTAIQUE INDUMET BELGIUM	202	221,44
	8985_PHOTOVOLTAIQUE MECANIC SYSTEMS	249,9	249,9
	8410_PHOTOVOLTAIQUE PERFECTY	41	42,48
	8315_PHOTOVOLTAIQUE PIERRE VAN OOST	15	19,03
	8609_PHOTOVOLTAIQUE SANDERMANS	105	110,495
	8935_PHOTOVOLTAIQUE SKIMAGES	112,8	
			112,8
	8757_PHOTOVOLTAIQUE THOMAS ET PIRON	238	250,04
	8079_PHOTOVOLTAIQUE TKM INDUSTRIES SA	110	137
	8989_PHOTOVOLTAIQUE WEERTS SUPPLY CHAIN (1)	249,6	249,6
ODOLIDE TERRE	8990_PHOTOVOLTAIQUE WEERTS SUPPLY CHAIN (2)	246	249,6
GROUPE TERRE	9267_PHOTOVOLTAIQUE GROUPE TERRE	47	49,86
GROUPE VDRT	8339_PHOTOVOLTAIQUE GROUPE VDRT	102	115,92
H&M	8066_PHOTOVOLTAIQUE H&M GHLIN	238	250,572
H. ESSERS LOGISTICS COMPANY	8112_PHOTOVOLTAIQUE ESSERS COURCELLES	218	249,84
H.P. LINDEN	9466_PHOTOVOLTAIQUE ALPHA BETON	225	249,9
HANAVI	10209_PHOTOVOLTAIQUE HANAVI	250	250
HANNUT FRUIT	8880_PHOTOVOLTAIQUE HANNUT FRUIT	154	180,32
HANSEZ - DALHEM	5300_PHOTOVOLTAIQUE HANSEZ - DALHEM	25	25,815
HARVESTMENTS	10156_PHOTOVOLTAIQUE CITROEN BELUX WIERDE	75	75
H***	9261_P*** (CHASTRÈS)	59,67	59,67
H***	7970_P*** (BAELEN (LG.))	26,4	26,4

8841_PHOTOVOLTAIQUE H. HECK & SOHN 8775_PHOTOVOLTAIQUE AUTOMOBILE VISETOISE	161,8	201,3
8775 PHOTOVOLTAIOUE AUTOMORII E VISETOISE		201,3
0.10_1 HOTOVOLTAIQUE AUTOMOBILE VIOLTUISE	38,6	44
8635_PHOTOVOLTAIQUE BELMEDIS	205	249,395
8776_PHOTOVOLTAIQUE CARROSSERIE VISETOISE	27,6	34
9527_PHOTOVOLTAIQUE DECATHLON VERVIERS	176	202,75
8996_PHOTOVOLTAIQUE LANTMANNEN UNIBAKE MOUSCRON	219	247,86
9578_PHOTOVOLTAIQUE LES ECURIES D'ECAUSSINNES 2	40	50
9540_PHOTOVOLTAIQUE MALYSSE VILLERS-LE-BOUILLET	198	249,645
9537_PHOTOVOLTAIQUE TRAITEX	220	250
9326_PHOTOVOLTAIQUE ECORUS - HENDRICHS	88,2	106,08
7978_PHOTOVOLTAIQUE HERBAGRI 1	60	66,24
9253_PHOTOVOLTAIQUE AD DELHAIZE HERVE	68	78,54
10088_PHOTOVOLTAIQUE HESBYGRAM	125	142,8
8959_PHOTOVOLTAIQUE HOPITAL LA CLE		43,75
8632 PHOTOVOLTAIOUE LA COTE D'OR		19,845
		57,6
,		44
		90
		142
, ,		19,716
		217,5
		66,3
		157,335
		37,5
		75
		65
		46,25
		40
		371,6
		33,84
		16,5
		33,6
		48
		51,45
		238,75
		20,185
		15,275
		1222,45
		1026
		71.50
		71,53
		35,28
9385_PHOTOVOLTAIQUE AB INBEV		249,9 249,6
	9527_PHOTOVOLTAIQUE DECATHLON VERVIERS 8996_PHOTOVOLTAIQUE LANTMANNEN UNIBAKE MOUSCRON 9578_PHOTOVOLTAIQUE LES ECURIES D'ECAUSSINNES 2 9540_PHOTOVOLTAIQUE MALYSSE VILLERS-LE-BOUILLET 9537_PHOTOVOLTAIQUE TRAITEX 9326_PHOTOVOLTAIQUE ECORUS - HENDRICHS 7978_PHOTOVOLTAIQUE HERBAGRI 1 9253_PHOTOVOLTAIQUE HESBYGRAM 8959_PHOTOVOLTAIQUE HESBYGRAM 8959_PHOTOVOLTAIQUE HOPITAL LA CLE 8632_PHOTOVOLTAIQUE HOPITAL LA CLE 8638_P**** (FLORÉE) 9295_PHOTOVOLTAIQUE HUBLET OAK 8068_P**** (GLONS) 9020_PHOTOVOLTAIQUE ICG-CART 9489_PHOTOVOLTAIQUE ICG-CART 9489_PHOTOVOLTAIQUE ICG-MOUNTAIN 8992_PHOTOVOLTAIQUE ICG-MOUNTAIN 8992_PHOTOVOLTAIQUE INDUSCABEL BRAINE 9233_PHOTOVOLTAIQUE INDUSCABEL HEPPIGNIES 9234_PHOTOVOLTAIQUE INDUSCABEL HEPPIGNIES 9234_PHOTOVOLTAIQUE INDUSCABEL JUMET 9235_PHOTOVOLTAIQUE INDUSCABEL LOVERVAL 5109_PHOTOVOLTAIQUE INDUSCABEL LOVERVAL 5109_PHOTOVOLTAIQUE GALAXIA 8050_PHOTOVOLTAIQUE GALAXIA 8050_PHOTOVOLTAIQUE ECECHE LES FOURMIS 8441_PHOTOVOLTAIQUE HALL RELAIS 5 ET 6 GHISLENGHIEN 8442_PHOTOVOLTAIQUE HALL RELAIS 7 ET 9 TOURNAI 9416_PHOTOVOLTAIQUE Bâtiment TELECOM 1 8015_PHOTOVOLTAIQUE Bâtiment TELECOM 2 9086_PHOTOVOLTAIQUE IKEA ARLON 9043_PHOTOVOLTAIQUE IKEA HOGNOUL 9387_P*** (MARCHIN) 8043_PHOTOVOLTAIQUE ILLUDESIGN 9226_PHOTOVOLTAIQUE ILLUDESIGN 9226_PHOTOVOLTAIQUE ILLUDESIGN	9527_PHOTOVOLTAIQUE DECATHLON VERVIERS 176 8996_PHOTOVOLTAIQUE LANTMANNEN UNIBAKE MOUSCRON 219 9578_PHOTOVOLTAIQUE LES ECURIES D'ECAUSSINNES 2 40 9540_PHOTOVOLTAIQUE LES ECURIES D'ECAUSSINNES 2 40 9540_PHOTOVOLTAIQUE ES ECURIES D'ECAUSSINNES 2 40 9537_PHOTOVOLTAIQUE ERSINTEX 220 9326_PHOTOVOLTAIQUE ECORUS - HENDRICHS 88.2 7978_PHOTOVOLTAIQUE ECORUS - HENDRICHS 88.2 7978_PHOTOVOLTAIQUE ERSINTER 60 9253_PHOTOVOLTAIQUE AD BELHAIZE HERVE 68 10088_PHOTOVOLTAIQUE ENDRITAL LA CLE 43.75 8652_PHOTOVOLTAIQUE HOPITAL LA CLE 43.75 8652_PHOTOVOLTAIQUE HOPITAL LA CLE 43.75 9313_PHOTOVOLTAIQUE HOPITAL LA CLE 37 925_PHOTOVOLTAIQUE HOPITAL LA CLE 43.75 8682_PHOTOVOLTAIQUE HOPITAL LA CLE 43.75 8692_PHOTOVOLTAIQUE HOPITAL CLE CORRECT 19.71 925_PHOTOVOLTAIQUE HOPITAL CLE CORRECT 19.71 9489_PHOTOVOLTAIQUE INDUSCABEL BRAINE 35 9233_PHOTOVOLTAIQUE INDUSCABEL BRAINE 35 9234_PHOTOVOLTAIQUE INDUSCABEL HEPPIGNIES 60 9232_PH

IMPERBEL	7994_PHOTOVOLTAIQUE IMPERBEL PERWEZ	33,8	37,718
IMPRIMERIE AZ PRINT	8463_PHOTOVOLTAIQUE AZ PRINT	99	107,8
IMPRIMERIE DONEUX	9546_PHOTOVOLTAIQUE IMPRIMERIE DONEUX	75	75
IMPRIMERIE NUANCE 4	9321_PHOTOVOLTAIQUE IMPRIMERIE NUANCE 4	30	39,6
INDUSTRIE DU CHASSIS PHILIPPE	8597_PHOTOVOLTAIQUE USINE BOIS D'HAINE	135	138,275
INFORMATIQUE COMMUNICATIONS SERVICES	7986_PHOTOVOLTAIQUE I.C.S	21,16	21,16
INFRATECH	8456_PHOTOVOLTAIQUE INFRATECH	46	49,92
INSTITUT NOTRE-DAME	8594_PHOTOVOLTAIQUE INSTITUT NOTRE-DAME MALMEDY	10,1	12
INTEGRALE GREEN ENERGY	9501_PHOTOVOLTAIQUE BELDICO	163,8	200,84
	9486_PHOTOVOLTAIQUE CARRIERES DU HAINAUT	191	249,9
	10227_PHOTOVOLTAIQUE CHU CHÊNÉE	150	171,34
	10220_PHOTOVOLTAIQUE FOOD INGREDIENTS TECHNOLOGIES	101	124,68
	9502_PHOTOVOLTAIQUE ISOSYSTEMS	180	246,33
	9485_PHOTOVOLTAIQUE MAFER	180	246,33
	9433_PHOTOVOLTAIQUE MECAR	180	246,33
	10074_PHOTOVOLTAIQUE PREFER	270	339,82
	9494_PHOTOVOLTAIQUE SADAPS BARDAHL	180	246,33
	9484_PHOTOVOLTAIQUE TISSAGE D'ARCADE	193,8	246,33
	9434_PHOTOVOLTAIQUE VOESTALPINE	193,8	243,78
INTERBLOCS	8537_PHOTOVOLTAIQUE INTERBLOCS	112	130,5
INTERCOMMUNALE ORES ASSETS	10086_PHOTOVOLTAIQUE ORES ASSETS LEUZE	34	41,04
INTERMARCHÉ BAUDHUIN	8576_PHOTOVOLTAIQUE INTERMARCHE PERWEZ	40	48
INTERSAC	8723_PHOTOVOLTAIQUE INTERSAC	135	162,75
INTERVEST OFFICES & WAREHOUSES	8067_PHOTOVOLTAIQUE STOCKAGE INDUSTRIEL	232	249,78
INTERWOOD PRODUCT	9418_PHOTOVOLTAIQUE INTERWOOD	49,98	49,98
INVEST & CORPORATE	7943_PHOTOVOLTAIQUE INVEST & CORPORATE SOLAR	32,64	32,64
IRENE III	8639 PHOTOVOLTAIQUE BETON DE LA LOMME - BESSER 2	193,2	231,6
	8640_PHOTOVOLTAIQUE BETON DE LA LOMME 1	151,8	171,6
	8641_PHOTOVOLTAIQUE EURODYE	154,2	180
ISSOL	8338_PHOTOVOLTAIQUE ISSOL	228,7	249,985
IVIN	8656_PHOTOVOLTAIQUE ISPC HERSTAL	460	529,92
IWAN SIMONIS	7936_PHOTOVOLTAIQUE IWAN SIMONIS	105	116,16
JACKSON PINEWOOD	8613_PHOTOVOLTAIQUE JACKSON PINEWOOD	66	69,6
JACO ET FILS	9061_PHOTOVOLTAIQUE JACO ET FILS	46	55,5
J***	8979_P*** (ATH)	17,64	17,64
JANSSEN PHARMACEUTICA	9461_PHOTOVOLTAIQUE SODIAC	240	250
JARDI-TON	8624_PHOTOVOLTAIQUE HUBO PERUWELZ	102,8	116,62
JIDE	9259_PHOTOVOLTAIQUE HOBO PEROWELZ	68	
JNL	8350_PHOTOVOLTAIQUE JIDE 8350_PHOTOVOLTAIQUE JNL WAVRE	138	75 147
JOHN MARTIN	7952_PHOTOVOLTAIQUE JOHN MARTIN	51,25	55,2
JOLIPA JOHN MARTIN		99	
	9004_PHOTOVOLTAIQUE JOLIPA		144
IODION	9328_PHOTOVOLTAIQUE JORION	99	120.12
JORION JOST LOGISTICS	10099_PHOTOVOLTAIQUE JORION	90	120,12
	9382_PHOTOVOLTAIQUE JOST GROUP LOGISTICS	215	250,12
	8101_PHOTOVOLTAIQUE JOST LOGISTICS	144,9	160,32

JOURDAN	8333_PHOTOVOLTAIQUE JOURDAN	110	116,8
JUMATT	9504_PHOTOVOLTAIQUE JUMATT	120	129,66
JUTOMAPI	9368_PHOTOVOLTAIQUE GITE 1024	19	20,02
KALSCHEUER EUPEN	9213_PHOTOVOLTAIQUE KALSCHEUER	150	170
KARL HUGO AG	9401_PHOTOVOLTAIQUE KARL HUGO AG	49	50,235
KARTELL +	8121_PHOTOVOLTAIQUE MPR	75,9	80,11
KOCKARTZ	2279_PHOTOVOLTAIQUE BACKEREI-KONDITOREI-KOCKARTZ	21	22
KS SERVICES	8829_PHOTOVOLTAIQUE KS SEPPI	51	55
K***	8318_P*** (PLAINEVAUX)	20	22,08
LA FONTAINE DES VENNES C/O JMPL-SPA	8264_PHOTOVOLTAIQUE AD DELHAIZE TROIS PONTS	135	155
LA LORRAINE	8631_PHOTOVOLTAIQUE LA LORRAINE	75,2	75,46
LA PETITE BILANDE	8995_PHOTOVOLTAIQUE LA PETITE BILANDE	63	79,56
LA PETITE FOURNÉE	8189_PHOTOVOLTAIQUE LA PETITE FOURNÉE	22,77	22,77
LA PORTE OUVERTE FAVENCE	9288_PHOTOVOLTAIQUE LA PORTE OUVERTE - FAVENCE	47	49,98
LA VERTEFEUILLE	9030_PHOTOVOLTAIQUE LA VERTEFEUILLE	30	35,5
LABORATOIRE ORTIS	10305_PHOTOVOLTAIQUE LABORATOIRE ORTIS	220	249,86
LABORATOIRES PHACOBEL	9276_PHOTOVOLTAIQUE LABORATOIRES PHACOBEL	30	35,04
L'AIDE FRATERNELLE	9264_PHOTOVOLTAIQUE L'AIDE FRATERNELLE	30	38,75
LANGE JM & Fils	8004_PHOTOVOLTAIQUE LANGE JM & FILS	42	49,68
<u>***</u>	5936_P*** (ELSENBORN)	26,12	26,88
L'ARBRE DE LIEGE	9457_PHOTOVOLTAIQUE OFFICE HOUSE	23	27,825
LASERFLASH	8767_PHOTOVOLTAIQUE LASERFLASH	222	224,16
L'ATELIER	8692_PHOTOVOLTAIQUE L'ATELIER	249,6	249,6
L'AUBIER	10023_PHOTOVOLTAIQUE L'AUBIER	36	43,35
LE BON BOEUFTIN BOMALOIS	8844_PHOTOVOLTAIQUE LE BON BOEUFTIN BOMALOIS	30	35,52
LE LAGON BLEU	9091_PHOTOVOLTAIQUE LAGON BLEU	27	27
LE MIDI	8143_PHOTOVOLTAIQUE LE MIDI	100	126.665
LE PÔLE IMAGE DE LIÈGE	8352_PHOTOVOLTAIQUE LE POLE-BATIMENT S	41,28	41,28
	8351_PHOTOVOLTAIQUE LE POLE-BATIMENT T	200	252
LE RY DE LEERS	8345_PHOTOVOLTAIQUE LE RY DE LEERS	32,4	34,5
LE TRAIT D'UNION	9380_PHOTOVOLTAIQUE LE TRAIT D'UNION	126	150,02
[***	8001_P*** (NEUFCHÂTEAU (LG.))	37,2	40,5
L'ECOPAIN D'IGNACE	9580_PHOTOVOLTAIQUE L'ECOPAIN D'IGNACE	144	187,5
***	8978_P*** (SAINT-LÉGER (HT.))	30	37,485
LEGRAND CARROSSERIE	9369_PHOTOVOLTAIQUE CARROSSERIE LEGRAND	47	56,16
LEHDIS	8719_PHOTOVOLTAIQUE INTERMARCHE HERVE	90	99,735
LEMMENS	10126_PHOTOVOLTAIQUE LEMMENS	80	95,88
LES 3 ARBRES	9410_PHOTOVOLTAIQUE LES 3 ARBRES	51	59
LES ATELIERS DE LA MEUSE	9407_PHOTOVOLTAIQUE LES ATELIERS DE LA MEUSE	213	250
LES CAFÉS RECSI	8459_PHOTOVOLTAIQUE LES CAFES RECSI	17	79,11
LES ÉDITIONS DE L'AVENIR	9454_PHOTOVOLTAIQUE LES EDITIONS DE L'AVENIR	67	72,28
LES ENTREPOTS DE LA FAMENNE	8507_PHOTOVOLTAIQUE LES ENTREPOTS DE LA FAMENNE	51	52,75
LES ERABLES	9315_PHOTOVOLTAIQUE LES ERABLES	112	149,94
LES GLYCINES	9438_PHOTOVOLTAIQUE LES GLYCINES	40	42,44
LES TOURNESOLS	8627_PHOTOVOLTAIQUE LES TOURNESOLS	147,25	147,25

LES VÉRANDAS 4 SAISONS	5592_PHOTOVOLTAIQUE LES VÉRANDAS 4 SAISONS	101,13	101,13
LESAGE HUYSENTRUYT	8970_PHOTOVOLTAIQUE EXTRA PLOEGSTEERT	137	161,7
LEXIAGO	8703_PHOTOVOLTAIQUE LEXIAGO	131,4	134,75
LEYSKENS	10187_PHOTOVOLTAIQUE LEYSKENS	130	144,99
LIÈGE - AUTO	9534_PHOTOVOLTAIQUE LIEGE-AUTO	36	40,035
LIETAR	10115_PHOTOVOLTAIQUE LICTAR	100	109,2
LINK BUILD	9400 PHOTOVOLTAIOUE LINK	80	94,08
L'INSTANT GOURMAND	9518_PHOTOVOLTAIQUE BOULANGERIE	25	28,449
LITHOBETON	8293_PHOTOVOLTAIQUE LITHOBETON BAUDOUR	132	160,72
LOBET- NOËL ET ENFANTS	8246_PHOTOVOLTAÏQUE AD DELHAIZE HABAY-LA-NEUVE	43,8	46,5
	8584_PHOTOVOLTAIQUE AD ETALLE	172	180,48
LOCAL ENERGY SAVING SOLUTIONS	9573_PHOTOVOLTAIQUE RESIDENCE SEIGNEURIE DU VAL	200	243,8
LOLIBEOS	8311_PHOTOVOLTAIQUE PROXY DELHAIZE TIEGE	75	79
LOXAM	10029 PHOTOVOLTAIOUE LOXAM	27,6	31,5
LUMYNI	8851_PHOTOVOLTAIQUE FP BROWN	110,4	124,95
	8977_PHOTOVOLTAIQUE L'ETAL	90	111,69
	8698_PHOTOVOLTAIQUE PERUWELD	150	163,965
LUTEX	9383 PHOTOVOLTAIOUE LUTEX	100	114,966
M.J. SPORT	8888_PHOTOVOLTAIQUE MJ SPORT	49,75	49,75
MABRILUX	8788_PHOTOVOLTAIQUE MABRILUX	60	66,24
MAHIEU-SUN	8332_PHOTOVOLTAIQUE FERME MAHIEU	36	45,12
MAISON BUTERA	8169_PHOTOVOLTAIQUE MAISON BUTERA	82	85,305
MAISON DES SYNDICATS	7949_PHOTOVOLTAIQUE FGTB LIÈGE-HUY-WAREMME	18,4	18,8
MAISON DESPRIET	8024_PHOTOVOLTAIQUE MAISON DESPRIET	80,73	80,73
		29	
MAISON GILSON MAISON LARUELLE	9231_PHOTOVOLTAIQUE MAISON GILSON 8131_PHOTOVOLTAIQUE MAISON LARUELLE HALL1		35,19
	·	64	66,885
MALOON OVAIRION E WALLONNE	8130_PHOTOVOLTAIQUE MAISON LARUELLE HALL2	68	75,46
MAISON SYNDICALE WALLONNE	8582_PHOTOVOLTAIQUE MAISON SYNDICALE WALLONNE	65,8	68,16
MAISON WILLEMS	9252_PHOTOVOLTAIQUE MAISON WILLEMS	36,995	36,995
MAISONCELLE	8792_PHOTOVOLTAIQUE MAISONCELLE	41,25	45
MALTERIE DU CHÂTEAU	8138_PHOTOVOLTAIQUE MALTERIE DU CHATEAU (BELOEIL)	40	49,28
MANICO	8677_PHOTOVOLTAIQUE BRICO HACCOURT	100	111,25
M***	8691_P*** (HÉRON)	51	60
M***	9571_P*** (CELLES (LG.))	28,08	28,08
MARIENHEIM RAEREN	8179_PHOTOVOLTAIQUE MARIENHEIM	26	30,16
MARKSPORTS	8863_PHOTOVOLTAIQUE MARKSPORTS	41,4	50
MARVAN	8614_PHOTOVOLTAIQUE DELHAIZE MICHEROUX	56	59,737
MARYSNACK MATÉRIAUX 2000	9384_PHOTOVOLTAIQUE MARYSNACK	202	219,09
WINTER IN ION 2000	8612_PHOTOVOLTAIQUE D'UNE COULEUR A L'EAU	32	37,5
	8629_PHOTOVOLTAIQUE MATERIAUX 2000	53	68,75
MATERIAUX BRICO LEQUEUX	8930_PHOTOVOLTAIQUE MATERIAUX BRICO LEQUEUX	46,7	51,8
MATÉRIAUX GONDRY	8649_PHOTOVOLTAIQUE MATERIAUX GONDRY	41,4	44,1
MATHIEU	8510_PHOTOVOLTAIQUE MATHIEU	60	66,5
MAYA FAIR TRADE	9119_PHOTOVOLTAIQUE MAYA FAIR TRADE	34	40
M***	9386_P*** (HANNUT)	90	95,88

MC TECHNICS	8089_PHOTOVOLTAIQUE MC TECHNICS	36	40,32
MEAT SERVICE DISTRIBUTION	9443_PHOTOVOLTAIQUE MSD	120	140,14
MECASPRING	9365_PHOTOVOLTAIQUE MECASPRING	217	249,86
MEENS André	7989_PHOTOVOLTAIQUE MEENS André	39	42,24
MEERSMAN - FERME DE HAILLOT	9080_PHOTOVOLTAIQUE FERME DE HAILLOT	64	69,12
MENUISERIE EMAC	9358_PHOTOVOLTAIQUE MENUISERIE EMAC	170	200
MENUISERIE KEPPENNE	5108_PHOTOVOLTAIQUE MENUISERIE KEPPENNE	18	20,16
MENUISERIE LUC HALLEUX	8583_PHOTOVOLTAIQUE MENUISERIE LUC HALLEUX	159	173,215
MENUISERIE TYCHON	8961_PHOTOVOLTAIQUE MENUISERIE TYCHON	24	26
MENUISERIE-ÉBENISTERIE VANDEGAAR	8306_PHOTOVOLTAIQUE MENUISERIE-EBENISTERIE VANDEGAAR	68	71,76
MERLIN	8429_PHOTOVOLTAIQUE MERLIN	72,85	72,85
MERTENS PLASTIQUE	9107_PHOTOVOLTAÏQUE MERTENS PLASTIQUE	150	154,35
MÉRY-BOIS	8887_PHOTOVOLTAIQUE MERY-BOIS	80	96
MÉTAL DÉPLOYÉ BELGE	8654_PHOTOVOLTAIQUE MDB	120	130
METAL PROTECTION	9374_PHOTOVOLTAIQUE METAL PROTECTION	103,8	110,45
MEUBELGALERIJEN GAVERSICHT	8341_PHOTOVOLTAÏQUE OKAY MEUBLES	160	244,8
MEUBLES AU BOSQUET	8763_PHOTOVOLTAIQUE MEUBLES AU BOSQUET	85	100
MEULDERS VICTOR MANAGEMENT	10201_PH0T0V0LTAIQUE PORTE SESAME	131	179,4
MGS	8617_PHOTOVOLTAIQUE DEMA MONTIGNY-LE-TILLEUL	50	52,5
ML CONCEPT	7903_PHOTOVOLTAIQUE ML CONCEPT	35,6	40,02
MLD CONCEPT	8432_PHOTOVOLTAIQUE MLD CONCEPT	37,5	39
MONFORT TERRASSEMENT	9487_PHOTOVOLTAIQUE MONFORT TERRASSEMENT	45	60,06
MONNAIE	5107_PHOTOVOLTAIQUE MONNAIE-BAYS	228	250
MONSEU	8536_PHOTOVOLTAIQUE MONSEU	231	249,6
MONTEA	8113_PHOTOVOLTAIQUE MONTEA	198	250
MONUMENT HAINAUT	8222_PHOTOVOLTAIQUE MONUMENT HAINAUT	180	210
MOSSELMAN	8575_PHOTOVOLTAIQUE MOSSELMAN	200	250
MOULAN	9419_PHOTOVOLTAIQUE MOULAN	98	114,01
MOULIN BURETTE	8864_PHOTOVOLTAIQUE FAUNE ET FLORE	51,4	57,5
MP DIFFUSION	8962_PHOTOVOLTAIQUE MP DIFFUSION	30	30
MR DISTRIBUTION	8694_PHOTOVOLTAIQUE PROXY DELHAIZE RANCE	44	44,935
MS DECOUPE	9432_PHOTOVOLTAIQUE MS DECOUPE	68	78
MSG OFFICE	8852_PHOTOVOLTAIQUE MSG OFFICE	16	19,38
M***	10491_P*** (BLANDAIN)	30	30
MULTIFLEURS	8370_PHOTOVOLTAIQUE MULTIFLEURS	79,98	79,98
MULTITRA	8216_PHOTOVOLTAIQUE MULTITRA 1	34	34,5
	8217_PHOTOVOLTAIQUE MULTITRA 2	38	40,48
MWB-FINANCE	8581_PHOTOVOLTAIQUE MWB-FINANCE	65,8	68,16
NATIONAAL BAANWINKEL FONDS	9011_PHOTOVOLTAIQUE MWB-FINANCE	99	115,2
NAXHELET	9440_PHOTOVOLTAIQUE EVA AMEGBLEMENT	60	63
NEKTO	8606_PHOTOVOLTAIQUE GOLF DE WANZE	98	119
NETHYS	10417_PHOTOVOLTAIQUE ACADÉMIE JUSTINE HENIN	125	140,4
	10097_PHOTOVOLTAIQUE COUNTRY-HALL	245	290
	10125_PHOTOVOLTAIQUE INTERMARCHE ASSESSE	100	109,2
	10068_PHOTOVOLTAIQUE INTERMARCHE NANDRIN	122	140,45

	9417_PHOTOVOLTAIQUE WALLONIE DATA CENTER	410	481,6
NEW VEPELI	9524_PHOTOVOLTAIQUE NEW VEPELI	223,8	231,3
NEW VERLAC	3608_PHOTOVOLTAIQUE VERLAC	15	15,84
NGK CERAMICS EUROPE	8728_PHOTOVOLTAIQUE NGK CERAMICS EUROPE	55,2	65,025
NIMO	8676_PHOTOVOLTAIQUE ERIKS	99	108
NISSAN MOTOR MANUFACTURING	4111_PHOTOVOLTAIQUE NISSAN NTCEB	52,88	52,88
	151_PHOTOVOLTAIQUE NISSAN TECHNICAL CENTER EUROPE	34	35,68
NIZET ENTREPRISE	6146_PHOTOVOLTAIQUE NIZET ENTREPRISE S.A.	130,22	150,72
NMC	8304_PHOTOVOLTAIQUE NMC	230,3	250,5
NOIRFALISE & FILS	8049_PHOTOVOLTAIQUE SEOS	94,14	94,14
NOUKIES	9308_PHOTOVOLTAIQUE NOUKIES	74	80
NOUVELLES TECHNOLOGIES	8637_PHOTOVOLTAIQUE AXIS PARC	115	130,25
NOVALUX PRODUCTS	8088_PHOTOVOLTAÏQUE NOVALUX PRODUCTS	227,7	249,78
OCEANIC	10087_PHOTOVOLTAIQUE OCEANIC	24,18	24,18
OFFICE WALLON DE LA FORMATION PROFESSIONNELLE ET DE L'EMPLOI	9491_PHOTOVOLTAIQUE CENTRE DE COMPETENCES MECATRONIQUE	37	50,235
ONEM - RVA	9426_PHOTOVOLTAIQUE OREM BUREAU DU CHOMAGE NIVELLES	29	35,88
OPTIMIZED RADIOCHEMICAL APPLICATIONS			
	8648_PHOTOVOLTAIQUE ORA	27,2	30,72
ORES (Brabant wallon) ORES (Hainaut Électricité)	8651_PHOTOVOLTAIQUE ORES ASSETS LOUVAIN-LA-NEUVE 9318_PHOTOVOLTAIQUE ORES ASSETS - STREPY - POLE CONSTRUCTION	27	70,08 32,16
	9311_PHOTOVOLTAIQUE ORES ASSETS FRAMERIES	44	50,16
ORES (Namur)	9314_PHOTOVOLTAIQUE ORES ASSETS NAMUR	34	40,56
ORES (Verviers)	9435_PHOTOVOLTAIQUE ORES ASSETS VERVIERS	37	45,6
ORGELBAU SCHUMACHER	9200_PHOTOVOLTAIQUE ORGELBAU SCHUMACHER	60,6	71,58
ORTMANS	8383_PHOTOVOLTAIQUE ORTMANS	136	150,08
OTIUM	8423_PHOTOVOLTAIQUE BRICO BURENVILLE - OTIUM	39	43,7
PANIBEL	10392_PHOTOVOLTAIQUE PC DISTRIBUTION	185	208,71
PARC COMMERCIAL LES DAUPHINS	8657_PHOTOVOLTAIQUE H&M - Les Dauphins	210	219
	8658_PHOTOVOLTAIQUE MAGASIN DELHAIZE	200	250
	9238_PHOTOVOLTAIQUE MAGASIN ZEB	100	120
PARC GASTUCHE	10231_PHOTOVOLTAIQUE PARC GASTUCHE	70	78
PARCOM	9246_PHOTOVOLTAIQUE PARCOM	120	120
PASCALINO	8809_PHOTOVOLTAIQUE CARREFOUR MARKET BASTOGNE	32	36,97
PATRIMOINE DE L'INSTITUT SAINT-SÉPULCRE	9346_PHOTOVOLTAIQUE INSTITUT SAINT-SEPULCRE	60	70,56
PAUL GOOSSE CONFECTION	8854_PHOTOVOLTAIQUE GOOSSE CONFECTION	105	110,4
D***	9529_P*** (VELAINES)	75	84,24
PELPAT	8161_PHOTOVOLTAIQUE PELPAT	100	106,6
PERUWELZ AUTOMOBILES	9205_PHOTOVOLTAIQUE GARAGE VANDECASTEELE PERUWELZ	32	33,81
PESSLEUX	8708_PHOTOVOLTAIQUE PESSLEUX	18,4	22,08
PETER MÜLLER	8751_PHOTOVOLTAIQUE PETER MULLER	215	249,87
PETERS MASCHINENBAU	9349_PHOTOVOLTAIQUE PETERS MASCHINENBAU	45	50
PHARMACIE MOLITOR - MEIRLAEN	9072_PHOTOVOLTAIQUE PHARMACIE MOLITOR - MEIRLAEN	16	16,695
Pharmacies Populaires de Verviers et Arrondissement	10460_PHOTOVOLTAIQUE VPHARMA LATINNE	25	30,24
		44,8	50,625
PHELECT	7913_PHOTOVOLTAIQUE PHELECT		

PIRON FRERES	9201_PHOTOVOLTAIQUE Q8	29,25	29,25
P***	8500_P*** (CINEY)	40	44,4
P***	9075_P*** (PECQ)	48	56,16
POLMANS	9422_PHOTOVOLTAIQUE POLMANS	115	129,54
POMFRESH	8968_PHOTOVOLTAIQUE POMFRESH	160	191,685
POUCETTRI	7953_PHOTOVOLTAIQUE POUCETTRI	40,5	40,5
POUR DEMAIN	9258_PHOTOVOLTAIQUE VAL DU GEER - ANS	100	102
	8717_PHOTOVOLTAIQUE VAL DU GEER - BOIRS	55	58,56
PQA	8791_PHOTOVOLTAIQUE PQA	202	217,5
PRADO	9230_PHOTOVOLTAIQUE PRADO	157	174
PROCOTEX	8715_PHOTOVOLTAIQUE PROCOTEX DOTTIGNIES	191	249,84
PVFINVEST	9166_PHOTOVOLTAIQUE CERP COURCELLES	219,45	250
	10049_PHOTOVOLTAIQUE FIRMENICH LOUVAIN-LA-NEUVE	225	248,68
	9375_PHOTOVOLTAIQUE GALLER	193	208,5
	9254_PHOTOVOLTAIQUE IBW	175,25	187
	9347_PHOTOVOLTAIQUE IPEX	77	83,25
	8424_PHOTOVOLTAIQUE SUN CHEMICAL	190	203,04
	10111_PHOTOVOLTAIQUE TRUCK CENTER	135	149,94
QUERTINMONT	10296_PHOTOVOLTAIQUE ATELIER QUERTINMONT	20	20,4
QUINCAILLERIE CONRADT	8525_PHOTOVOLTAIQUE QUINCAILLERIE CONRADT	185	197,96
QUINCAILLERIE ROUFFIN	9411_PHOTOVOLTAIQUE QUINCAILLERIE ROUFFIN	27	33
R***	10472_P*** (ERMETON-SUR-BIERT)	40	40
RADCO	9175_PHOTOVOLTAIQUE RADCO	99	144
RADERMACHER	9053_PHOTOVOLTAIQUE GEBRÜDER RACHERMACHER	15	15
RADHADESH	8401_PHOTOVOLTAIQUE RADHADESH	207	249,6
RAMC	8592_PHOTOVOLTAIQUE RAMC	49	49,98
REAL	9069_PHOTOVOLTAIQUE REAL	68	83,21
REAL	10190_PHOTOVOLTAIQUE REAL 2	50	63,6
REALCO	9066_PHOTOVOLTAIQUE REALCO	60	65,52
RECOVAL BELGIUM	9378_PHOTOVOLTAIQUE RECOVAL BELGIUM 15	240	249,6
	9379_PHOTOVOLTAIQUE RECOVAL BELGIUM 46	210	220,66
RECUPLAST	8026_PHOTOVOLTAIQUE RECUPLAST	99,1	100,8
REDDY	8884_PHOTOVOLTAIQUE REDDY	103,8	109,395
RÉGIE DES BÂTIMENTS	10030_PHOTOVOLTAIQUE CENTRE PHYSIQUE DU GLOBE (IRM)	276	306
REIFF	8706_PHOTOVOLTAIQUE REIFF VERVIERS	27	29,4
REMI TACK ET FILS	8814_PHOTOVOLTAIQUE REMI TACK	216,6	249
REMY INTERNATIONAL	8519_PHOTOVOLTAIQUE REMY INTERNATIONAL	42	43,86
RENAULT NERI LIEGE	9206_PHOTOVOLTAIQUE RENAULT NERI LIEGE	129	170,04
RENÉ SCHWANEN ET FILS	7959_PHOTOVOLTAIQUE SCHWANEN	41,4	42,3
RENSONNET	10247_PHOTOVOLTAIQUE RENSONNET	50	57,51
RESA	8467_PHOTOVOLTAIQUE TECTEO - MAGASIN CENTRAL	205,7	249,9
REWER LOGISTICS	8790_PHOTOVOLTAIQUE VYNCKIER TOOLS	138	149,94
ROCHESTER GAUGES	9430_PHOTOVOLTAIQUE ROCHESTER GAUGES	60	149,94
ROELS	8619_PHOTOVOLTAIQUE ROELS	96,6	115,15
ROGER AND ROGER	9352_PHOTOVOLTAIQUE CROKY	175	249,9

ROOSENS BETON	8873_PHOTOVOLTAIQUE ROOSENS BETON - PARTIE PRODUCTION	204	230,88
	8871_PHOTOVOLTAIQUE ROOSENS BETONS - PARTIE ADMINISTRATIVE	88	100,36
ROSSEL PRINTING COMPANY	9363_PHOTOVOLTAIQUE ROSSEL PRINTING COMPANY	163,8	215,22
ROUSSEAU SERVICE	10136_PHOTOVOLTAIQUE ROUSSEAU SERVICE	25	29,415
ROX AUTO	9423_PHOTOVOLTAIQUE ROX AUTO	32	33
RSCL	9045_PHOTOVOLTAIQUE RSCL	22,2	25,833
RTBF	8455_PHOTOVOLTAIQUE MEDIA RIVES	154,4	178,08
	10225_PHOTOVOLTAIQUE RTBF CHARLEROI	20	25,48
	10238_PHOTOVOLTAIQUE RTBF MONS	22	25,74
	10197_PHOTOVOLTAIQUE RTBF RHISNES	82	100,1
RV CARROSSERIE	9391_PHOTOVOLTAIQUE RV CARROSSERIE	45,5	49,2
SABERT CORPORATION EUROPE	9320_PHOTOVOLTAIQUE SABERT CORPORATION EUROPE	231	249,75
SAFETYGLASS	9021_PHOTOVOLTAIQUE SAFETYGLASS	160	188,7
SAG	8504_PHOTOVOLTAIQUE SAG PHARMA FLORENVILLE	60	64,32
	8505_PHOTOVOLTAIQUE SAG SAINTE-CECILE	156	161,76
SAINT-NICOLAS MOTOR	8758_PHOTOVOLTAIQUE SAINT-NICOLAS MOTOR	60	62,4
SAJOBEL	9022_PHOTOVOLTAIQUE ESPACE MODE	17	17,658
SANGLIER	8655_PHOTOVOLTAIQUE SANGLIER	210	214,62
SANIDEL	7971_PHOTOVOLTAIQUE SANIDEL TOITURE	54	56,58
SAVIMETAL	8426_PHOTOVOLTAIQUE SAVIMETAL	99	101,52
SCALDIS ST-MARTIN	9220_PHOTOVOLTAIQUE SCALDIS ST-MARTIN	136	148,17
SCANDIA	9341_PHOTOVOLTAIQUE SCANDIA	49	49
SCAR	7958_PHOTOVOLTAIQUE SCAR HERVE	48	50,4
SCHELFHOUT	8227_PHOTOVOLTAIQUE SCHELFHOUT	105	117,6
SCHMETZ	8221_PHOTOVOLTAIQUE SCHMETZ	60	60
SCHREIBER	8070_PHOTOVOLTAIQUE SCHREIBER	94	99,82
SCHREINEREI ARDENA	9399_PHOTOVOLTAIQUE SCHREINEREI ARDENA	40	40
SCIERIE DES CARRIERES DE MAFFLE	9167_PHOTOVOLTAIQUE SCIERIE DES CARRIERES DE MAFFLE	210	221,052
SCIERIE MAHY	87186_PHOTOVOLTAIQUE SCIERIE MAHY	17,3	20,42
SCIMA	9210_PHOTOVOLTAIQUE SCIMA	221	249,78
	8422_PHOTOVOLTAIQUE SCIMA 1	222,5	249,78
	9211_PHOTOVOLTAIQUE SCIMA ACDE	221	249,9
SEALTECH	5710_PHOTOVOLTAIQUE SEALTECH	57,51	57,51
SEDEG	9089_PHOTOVOLTAIQUE KINEO BARCHON	59,5	59,5
SEDIS LOGISTICS	8610_PHOTOVOLTAIQUE SEDIS 1-2	204	249,78
	8611_PHOTOVOLTAIQUE SEDIS 3-4	165	200
SEMOULIN PACKAGING	9442_PHOTOVOLTAIQUE SEMOULIN PACKAGING	240	249,828
SENTEURS CARTONS	9396_PHOTOVOLTAIQUE SENTEURS CARTONS	204	250
SEOS PAPNAM	8593_PHOTOVOLTAIQUE SENTEURS CARTONS 8593_PHOTOVOLTAIQUE SEOS PAPNAM AUVELAIS	41	51,52
SERVICES ARDENNES	9372_PHOTOVOLTAIQUE RESIDENCE DES ARDENNES	47	55,64
SERVIMAT	8846_PHOTOVOLTAIQUE RESIDENCE DES ANDENINES	68	33,04
SI-HBEL	9070_PHOTOVOLTAIQUE SI-HBEL	100,345	100,345
SILIDIS	8988_PHOTOVOLTAIQUE AD DELHAIZE SILLY	32	33,32
SITA GROUP	8628_PHOTOVOLTAIQUE AD DELHAIZE SILLY 8628_PHOTOVOLTAIQUE SITA GROUP COURCELLES	229,6	250
	,		
	8672_PHOTOVOLTAIQUE SITA GROUP LA LOUVIÈRE	49,99	62,5

S***	8418_P*** (ROMEDENNE)	110	132,775
SNCB	8029_PHOTOVOLTAIQUE GARE DE CHARLEROI SUD	55,2	55,2
SOBELVIN DIFFUSION	8444_PHOTOVOLTAIQUE SOBELVIN DIFFUSION	33	36,4
Société Agricole de la Praule	140259_Photovoltaïque Société Agricole de la Praule	61	68,885
SOCIÉTÉ AGRICOLE ET FORESTIÈRE D'ARVILLE	10081_PHOTOVOLTAIQUE SOCIETE AGRICOLE ET FORESTIERE D'ARVILLE	90	91,52
SOCIÉTÉ ALBERT ANCION	8886_PHOTOVOLTAIQUE ALBERT ANCION	95,75	95,76
SOCIÉTÉ DE LIZIN	8375_PHOTOVOLTAIQUE LIZIN (HODY)	32,9	33,84
	8374_PHOTOVOLTAIQUE SOCIÉTÉ DE LIZIN 1	32,9	33,84
SOCIÉTÉ DES QUATRE CHEMINS	8190_PHOTOVOLTAIQUE FLORENCHAMP	23,1	26,4
	8191_PHOTOVOLTAIQUE VIVIER	15	17,6
SOCIÉTÉ DU TERROIR DE GEER	10056_PHOTOVOLTAIQUE SOCIÉTÉ DU TERROIR DE GEER	120	163,8
SOCIÉTÉ HÉRION	8328_PHOTOVOLTAIQUE SOCIETE HERION	67	71,82
SOCIÉTÉ PHOTOVOLTAIQUE DU SÉNÉGAL	9168_PHOTOVOLTAIQUE FSC FELUY	210	249,9
SODIMED	10052_PHOTOVOLTAIQUE SODIMED	50	50
SODISTAL	8523_PHOTOVOLTAIQUE PROXY DELHAIZE SOMZEE	33,36	33,36
SOGELOR - Organisation & Logistique	9042_PHOTOVOLTAIQUE RINALDI YVO	69	70
SOLAR CITY WALLONIE	9051_PHOTOVOLTAIQUE ARTEC	80	92
	9455_PHOTOVOLTAIQUE BANQUETS LOCATIONS	225	249,6
	8909_PHOTOVOLTAIQUE CARTONNAGES DELSAUX	180	200
	9516_PHOTOVOLTAIQUE CENTRE OMNISPORT DE DURBUY	98	116,21
	8826_PHOTOVOLTAIQUE GRIMONPREZ TRANSMISSION GEARS	160	171
	8904_PHOTOVOLTAIQUE JORIS IDE DIVISION ISOMETALL	220	250
	9108_PHOTOVOLTAIQUE POLYONE BELGIUM - SHIPPING	97	108
	9301_PHOTOVOLTAIQUE POLYONE PRODUCTIONS	188	217,88
	8874_PHOTOVOLTAIQUE URBASTYLE	97	112,75
	8705_PHOTOVOLTAIQUE WALIBI BELGIUM	222	250
	9203_PHOTOVOLTAIQUE WALL INDUSTRIES	240	249,6
SOLAR PANELS BRUSSELS	9503_PHOTOVOLTAIQUE OLEFFE IMPRIMERIE	73,8	95,88
	9499_PHOTOVOLTAIQUE PLASTICENTRE	103,8	124,95
SOLDERIE JOS	8247_PHOTOVOLTAIQUE SOLDERIE JOS	45	45,12
SONIMAT	8188_PHOTOVOLTAIQUE BIGMAT GEMBLOUX	117	127,88
SONODI - HUET	9370_PHOTOVOLTAIQUE SONODI - HUET	39	46,28
SORESCOL SERVICES	8838_PHOTOVOLTAIQUE SORESCOL	215,2	249,9
SOTEX-BOIS	10155_PHOTOVOLTAIQUE SOBOIS - ATELIER	20	20
SOUS-TRAITANCE INDUSTRIELLE	9557_PHOTOVOLTAIQUE SOUS-TRAITANCE INDUSTRIELLE	41	55
SPAQUE	10173_PHOTOVOLTAIQUE SAFEA - CET	850	999,44
SPAW TECH	8400_PHOTOVOLTAIQUE SPAW TECH	222,5	260,64
SPRIMOGLASS	6308_PHOTOVOLTAIQUE SPRIMOGLASS	127,7	129,72
STALPOM	8591_PHOTOVOLTAIQUE STALPOM	46	50
STATION INTERZONING	8083_PHOTOVOLTAIQUE STATION INTERZONING	34	37,98
STEF TRANSPORT SAINTES	8679_PHOTOVOLTAIQUE STEF TRANSPORT SAINTES	225	248,4
STOCK ATH	8622_PHOTOVOLTAIQUE STOCK ATH	110,4	127,89
STUV	8787_PHOTOVOLTAIQUE STUV	156	158,68
	9405_PHOTOVOLTAIQUE STUV FLOREFFE	27,6	33,81

SUCRERIE COUPLET	8330_PHOTOVOLTAIQUE SUCRERIE COUPLET	249,36	249,36
SUPER TAGADA	9277_PHOTOVOLTAIQUE SUPER TAGADA	49	57
SUPERPLASTIC	9519_PHOTOVOLTAIQUE SUPERPLASTIC	51	59,75
	9575_PHOTOVOLTAIQUE SUPERPLASTIC MAGASIN	59	61,84
SWIFT	8608_PHOTOVOLTAIQUE CENTRE SPORTIF SWIFT	178,542	178,542
SYSTÈMES PHOTOVOLTAIQUES WALLONS	9429_PHOTOVOLTAIQUE MIMOB (CHICK & KOT)	12	14,25
	9227_PHOTOVOLTAIQUE ABBM	117	139,92
	8598_PHOTOVOLTAIQUE AD DELHAIZE MAD	68	83,75
	9222_PHOTOVOLTAIQUE ALEXANDRE & CIE BRAINE L'ALLEUD	102	122,5
	9221_PHOTOVOLTAIQUE ALEXANDRE & CIE GENVAL	59	70,5
	9223_PHOTOVOLTAIQUE ALEXANDRE & CIE NIVELLES	153	182
	9366_PHOTOVOLTAIQUE APRICOT	42	49,5
	8087_PHOTOVOLTAÏQUE ATELIERS BODART ET VANGE	77,785	77,785
	9268_PHOTOVOLTAIQUE BIG MAT (GIBOMA)	68	80,08
	9283_PHOTOVOLTAIQUE BIGMAT CATALDO	102	120,25
	9548_PHOTOVOLTAIQUE BIGMAT HORNU	85	100
	9447_PHOTOVOLTAIQUE BRICOLAGE CHIEVRES	90	107
	9449_PHOTOVOLTAIQUE CARREFOUR BASTOGNE (ARILMART)	211	250
	9191_PHOTOVOLTAIQUE CARREFOUR HOTTON HODICA SA	36	39,33
	9520_PHOTOVOLTAIQUE CARREFOUR MARKET DE SAINT-GEORGES	68	80,08
	9228_PHOTOVOLTAIQUE CARREFOUR ON	111	130,5
	9425_PHOTOVOLTAIQUE CHEVRERIE DU TRY MOUSSOUX	126	150,5
	9189_PHOTOVOLTAIQUE CORTIGROUPE	39	45
	9291_PHOTOVOLTAIQUE DESSERT FACTORY	54	62,75
	8815_PHOTOVOLTAIQUE DOMAINE DU CHATEAU DE LA NEUVILLE	50	55
	10428_PHOTOVOLTAIQUE DUMOULIN AERO	165	196,65
	9216_PHOTOVOLTAIQUE EUROSPAR	68	72
	9531_PHOTOVOLTAIQUE FUN GYM	27	30
	9335_PHOTOVOLTAIQUE GB FLEMALLE	68	80
	9390_PHOTOVOLTAIQUE GOOSSE	42	48,96
	9337_PHOTOVOLTAIQUE GOOSSE J-L	39	48,75
	9281_PHOTOVOLTAIQUE GOUVYMAT	32,5	32,5
	9282_PHOTOVOLTAIQUE HORIZON VEGETAL	34	40
	8646_PHOTOVOLTAIQUE KENOMAR	83	99,68
	9170_PHOTOVOLTAIQUE KIDIKIDS	68	84
	9169_PHOTOVOLTAIQUE LEBOUTTE & CIE	85	99
	9164_PHOTOVOLTAIQUE LYRECO BELGIUM	211	249,86
	8779_PHOTOVOLTAIQUE MAISON TASSET	27	28,9
	9446_PHOTOVOLTAIQUE MONSIEUR BRICOLAGE COUILLET	68	8
	9528_PHOTOVOLTAIQUE MR BRICOLAGE - HANNUT	98	116,75
	9445_PHOTOVOLTAIQUE MR BRICOLAGE AUBEL	63	73,25
	9448_PHOTOVOLTAIQUE MR BRICOLAGE FRAMERIE	87	103,
	9568_PHOTOVOLTAIQUE NRB	204	239,7
	9412_PHOTOVOLTAIQUE POP SOLUTION	68	80
	9171_PHOTOVOLTAIQUE PREDIS SA	75	88,75

	8647_PHOTOVOLTAIQUE RESIDENCE DU LAC	30	34
	9217_PHOTOVOLTAIQUE RESIDENCE LA HOUSSIERE	61	70,25
	9389_PHOTOVOLTAIQUE SOBELCOMP	68	81,09
	9190_PHOTOVOLTAIQUE SPAR TOURNAI	17	21,62
	9336_PHOTOVOLTAIQUE STIERNON	60	69,75
	9427_PHOTOVOLTAIQUE TER BEKE (LES NUTONS)	211	250
	9428_PHOTOVOLTAIQUE TER BEKE WANZE - COME A CASA	240	250
	9569_PHOTOVOLTAIQUE TROC INTERNATIONAL	27	30
	9192_PHOTOVOLTAIQUE TROC TOURNAI	26	30,82
TAL TRADING	8693_PHOTOVOLTAIQUE TAL TRADING	202	210,96
TAVEIRNE	9345_PHOTOVOLTAIQUE TAVEIRNE PLOEGSTEERT	240	250
	9343_PHOTOVOLTAIQUE TAVEIRNE WARNETON	240	250
TECHNIC ONE	9023_PHOTOVOLTAIQUE TECHNIC ONE	66,6	67,32
TECHNIQUE ET PROTECTION DES BOIS	8337_PHOTOVOLTAIQUE TECHNIQUE ET PROTECTION DES BOIS	91,77	91,77
TECHNO-CON	8881_PHOTOVOLTAIQUE TECHNO-CON	154	180,32
TECHNOFLUID/ TECHNOSUN	6108_PHOTOVOLTAIQUE TECHNOFLUID / TECHNOSUN	54,4	62,54
TENNIS COUVERT DU CONDROZ	8402_PHOTOVOLTAIQUE TENNIS COUVERT DU CONDROZ	68	77,785
TENNISSIMO	8821_PHOTOVOLTAIQUE TENNISSIMO	160	193,5
TERVAL	8534_PHOTOVOLTAIQUE TERVAL	211	249,78
THE CLAY AND PAINT FACTORY	8156_PHOTOVOLTAIQUE THE CLAY AND PAINT FACTORY	85	90
THERMO CLEAN WALLONIE - FRANCE NORD	8464_PHOTOVOLTAIQUE THERMO CLEAN WALLONIE - FRANCE NORD	106,1	120,24
THETA SOLAR ENERGY	8957_PHOTOVOLTAIQUE AGC FLEURUS	249,9	249,9
	9459_PHOTOVOLTAIQUE AGC GLASS EUROPE - LODELINSART	100	250
	8832_PHOTOVOLTAIQUE AGC MOUSTIER	249,9	249,9
	8834_PHOTOVOLTAIQUE AGC SENEFFE	250	250
	8953_PHOTOVOLTAIQUE BRENNTAG MOUSCRON	149,93	149,93
	8786_PHOTOVOLTAIQUE CARREFOUR MARKET - SENEFFE	121	125,44
	8950_PHOTOVOLTAIQUE CARREFOUR MARKET DINANT	71	73,5
	8949_PHOTOVOLTAIQUE CARREFOUR MARKET LONTZEN	61	63,7
	8955_PHOTOVOLTAIQUE CARREFOUR MARKET OUPEYE	56	58,31
	8951_PHOTOVOLTAIQUE CARREFOUR MARKET VIELSALM	63	67,13
	10065_PHOTOVOLTAIQUE CORA CHATELINEAU GALERIE	200	
	COMMERCIALE 9552 PHOTOVOLTAIQUE CORA EST ROCCURT	200	249,6
	8552_PHOTOVOLTAIQUE CORA EST ROCOURT 8553_PHOTOVOLTAIQUE CORA OUEST ROCOURT	187 187	199,43
			199,43
	8831_PHOTOVOLTAIQUE COSUCRA	200	249,6
	8960_PHOTOVOLTAIQUE DECATHLON ALLEUR	200	249,6
	8954_PHOTOVOLTAIQUE DECATHLON CUESMES	180	222,3
	8861_PHOTOVOLTAIQUE DECATHLON LA LOUVIÈRE	200	249,6
	8947_PHOTOVOLTAIQUE DECATHLON WAVRE	200	249,6
	8675_PHOTOVOLTAIQUE DELEYE PRODUCTS	228	240,59
	8539_PHOTOVOLTAIQUE ENTREPOT DELFOOD	238	249,9
	9488_PHOTOVOLTAIQUE EURO MEAT GROUP	140	172
	8695_PHOTOVOLTAIQUE IDEMPAPERS	233	242,305
	8555_PHOTOVOLTAIQUE MATCH ANDENNE	146	151,9

	8540_PHOTOVOLTAIQUE MATCH ATH	49	49,98
	8556_PHOTOVOLTAIQUE MATCH BINCHE	90	92,855
	8547_PHOTOVOLTAIQUE MATCH BRAINE L'ALLEUD	112	116,375
	8557_PHOTOVOLTAIQUE MATCH BURDINNE	75	78,155
	8866_PHOTOVOLTAIQUE MATCH CHARLEROI	95	99,96
	8544_PHOTOVOLTAIQUE MATCH ERQUELINNES	72	75,75
	8542_PHOTOVOLTAIQUE MATCH FLEURUS	37	38,955
	8549_PHOTOVOLTAIQUE MATCH GEMBLOUX	66	68,845
	8543_PHOTOVOLTAIQUE MATCH MARCINELLE	134	138,915
	8541_PHOTOVOLTAIQUE MATCH MOUSCRON	97	100,695
	8551_PHOTOVOLTAIQUE MATCH WANFERCEE-BAULET	51	54,39
	8546_PHOTOVOLTAIQUE MATCH WANGENIES	438	499,5
	8548_PHOTOVOLTAIQUE MATCH WAREMME	75	77,175
	9165_PHOTOVOLTAIQUE MESTDAGH ENTREPOT FROID	562	694,2
	9159_PHOTOVOLTAIQUE SITA ETALLE	200	249,6
	8948_PHOTOVOLTAIQUE SITA GRACE-HOLLOGNE	150	155,1
	9132_PHOTOVOLTAIQUE TRAFIC ARLON	50	59,8
	9179_PHOTOVOLTAIQUE TRAFIC AYWAILLE	40	46,8
	9141_PHOTOVOLTAIQUE TRAFIC DINANT	40	49,4
	9151_PHOTOVOLTAIQUE TRAFIC FLEURUS	40	44,2
	8952_PHOTOVOLTAIQUE TRAFIC FLORENNES	249,41	249,41
	9144_PHOTOVOLTAIQUE TRAFIC FLORENVILLE	40	44,2
	9146_PHOTOVOLTAIQUE TRAFIC GERPINNES	40	44,2
	9133_PHOTOVOLTAIQUE TRAFIC HAINE SAINT PAUL	35	44,72
	9153_PHOTOVOLTAIQUE TRAFIC JEMEPPE-SUR-SAMBRE	35	39,52
	9139_PHOTOVOLTAIQUE TRAFIC JODOIGNE	40	44,98
	9127_PHOTOVOLTAIQUE TRAFIC NEUPRÉ	40	49,92
	9134_PHOTOVOLTAIQUE TRAFIC PERUWELZ	40	45,76
	9140_PHOTOVOLTAIQUE TRAFIC SAINT GHISLAIN	35	45,24
THIRION PRODUCTION	55592_PHOTOVOLTAIQUE THIRION PRODUCTION	163,85	163,85
THOMAS ET PIRON BATIMENTS	9570_PHOTOVOLTAIQUE T & P BATIMENTS WIERDE	35	39,5
THORROUT VINS LES GRANDS CRUS	8883_PHOTOVOLTAIQUE TGVINS	49,98	49,98
TIGIDI	8564_PHOTOVOLTAIQUE AD DELHAIZE ROCOURT	102	117,25
TILMAN	9280_PHOTOVOLTAIQUE TILMAN	85	102,024
TISS ET TEINT	8125_PHOTOVOLTAIQUE TISS ET TEINT	105	115,69
TIVOLUX PRO	9381_PHOTOVOLTAIQUE TIVOLUX PRO	220	249,6
TRENDY FOODS	9081_PHOTOVOLTAIQUE TRENDY FOODS	136	159,6
TRICOBEL	8062_PHOTOVOLTAIQUE TRICOBEL	90	92,69
TRIPLE B	8859_PHOTOVOLTAIQUE TRIPLE B JUMET	59,9	75
TRI-TERRE	8828_PHOTOVOLTAIQUE TRI-TERRE	105	120
TRUCK SERVICES SEBASTIAN	8650_PHOTOVOLTAIQUE TRUCK SERVICES SEBASTIAN	20,6	26,32
	9096_PHOTOVOLTAIQUE TRUCK SERVICES SEBASTIAN HERSTAL	27	27
TUBIZE BRICOLAGE	8427_PHOTOVOLTAIQUE HUBO ANDENNE	54,9	61,92
UCM TECHNICS	8727_PHOTOVOLTAIQUE UCM	75	88
ULIS	8712_PHOTOVOLTAIQUE ULIS	110	124,95

US MILITARY FORCES	9397_PHOTOVOLTAIQUE CHIÈVRES AIR BASE	450	451,29
V.P.D.	8170_PHOTOVOLTAIQUE V.P.D.	81	91,65
\/***	8038_P*** (SAINT-REMY (HT.))	45,38	49
VALADIS	9094_PHOTOVOLTAIQUE VALADIS	79,8	115,26
VAMODIS	8812_PHOTOVOLTAIQUE AD DELHAIZE / VAMODIS	77	80,36
VAN COLEN	8220_PHOTOVOLTAIQUE VAN COLEN	204	212,75
V***	8784_P*** (LEERNES)	81	100
VAN OVERSCHELDE	8218_PHOTOVOLTAIQUE VAN OVERSCHELDE	16,5	17,28
VANCASTER-DEBLONDE	113202_Photovoltaïque VANCASTER-DEBLONDE	43,7	52,52
VANDECASTEELE TOURNAI	9204_PHOTOVOLTAIQUE VANDECASTEELE TOURNAI	51	57,88
VANDEN BROUCKE BETON	10454_PHOTOVOLTAIQUE VANDEN BROUCKE BETON	100	100
VANDEPUTTE Huilerie	8524_PHOTOVOLTAIQUE VANDEPUTTE GROUP - HUILERIE	647	749,2
V***	9477_P*** (ARBRE (HT.))	65	79,56
VANDIJCK	8615_PHOTOVOLTAIQUE VANDIJCK	100	115,64
VANDYCK FRÈRES	8460_PHOTOVOLTAIQUE VANDYCK	40	45,12
VANHEEDE BIOMASS SOLUTIONS	8317_PHOTOVOLTAIQUE VANHEEDE BIOMASS SOLUTIONS	225	250,275
VANHOEBROCK	9292_PHOTOVOLTAIQUE VANHOEBROCK	150	150
VANO IMMO	10119_PHOTOVOLTAIQUE BORNOVILLE	240	250
VDO WAREHOUSING	8845_PHOTOVOLTAIQUE DHL	69	84
VDS FOOD	8080_PHOTOVOLTAIQUE VDS FOOD	305	354,98
VEEP TWO	8071_PHOTOVOLTAIQUE VEEP TWO	25	27,6
VEILING BORGLOON - BELORTA	8878_PHOTOVOLTAIQUE VEILING BORGLOON FERNELMONT	420	508,62
	8879_PHOTOVOLTAIQUE VEILING BORGLOON VISE	440	526,26
VERGER DU PARADIS SKM	8340_PHOTOVOLTAÏQUE VERGER DU PARADIS	119	122,84
VERMEIRE TRANSMISSIONS	7910_PHOTOVOLTAIQUE VERMEIRE TRANSMISSIONS	67,6	70,27
VERSATILE SOLAR SOLUTIONS	9047_PHOTOVOLTAIQUE VERSATILE 320/1	49,6	73,12
VICA-BOIS	8933_PHOTOVOLTAIQUE VICA-BOIS	116,5	130
VIGAN TECHNOLOGY	9512_PHOTOVOLTAIQUE VIGAN TECHNOLOGY	220	249,9
VILLAGE DE LOISIDS ET VACANGES LES FOLIDOLIES	8759_PHOTOVOLTAIQUE VILLAGE DE LOISIRS ET VACANCES LES FOURCHES	102,6	119,52
VILLAGE DE LOISIRS ET VACANCES LES FOURCHES VILLAGE n°3 - MANUPAL	9118_PHOTOVOLTAIQUE VILLAGE n°3 - MANUPAL	170	200
Ville de Gembloux			
	10096_PHOTOVOLTAIQUE HOTEL DE VILLE DE GEMBLOUX 9388_PHOTOVOLTAIQUE SALLE SPORTIVE CORROY-LE-CHATEAU	20	22,36
VILLEDEMONO		51	53,82
VILLE DE MONS VILLE DE MOUSCRON	7950_PHOTOVOLTAIQUE ATELIER PIERART	12	13,8
	9109_PHOTOVOLTAIQUE ATELIERS COMMUNAUX	50	56,4
	10292_PHOTOVOLTAIQUE ÉCOLE CEE	24,57	24,57
	10295_PHOTOVOLTAIQUE HALL DERLYS	83,46	83,46
	10294_PHOTOVOLTAIQUE HALL J. ROUSSEAU	70,72	70,72
VILLE DE SERAING	10293_PHOTOVOLTAIQUE HALL M. LESSINES	21,84	21,84
	8686_PHOTOVOLTAIQUE ECOLE ALFRED HEYNE	28,4	28,52
	8567_PHOTOVOLTAIQUE ECOLE DE LIZE	24,84	24,84
VILLE DE VISÉ	8718_PHOTOVOLTAIQUE ECOLE DES TRIXHES	20	20,01
	8680_PHOTOVOLTAIQUE ÉCOLE CHERATTE BAS	27,6	27,6
	8681_PHOTOVOLTAIQUE ECOLE CHERATTE HAUT	13,44	13,44
VINCE	8976_PHOTOVOLTAIQUE CAMAIR	82,8	89,76

VITANUTRINAT	8623_PHOTOVOLTAIQUE VITANUTRINAT	84	85
VITIELLO	8359_PHOTOVOLTAIQUE VITIELLO BATTICE	100	111
V***	7921_P*** (TROOZ)	33,5	34,862
vos	9409_PHOTOVOLTAIQUE DE LAAK LIEGE	125	143,055
VP REC	9482_PHOTOVOLTAIQUE VISE PNEU	187	239,46
VRS PRODUCT	10120_PHOTOVOLTAIQUE VRS-SABBE	60,2	71,4
W***	8684_P*** (AYE)	54	68,4
WANTY	8806_PHOTOVOLTAIQUE WANTY	149	159
WAREHOUSES DE PAUW	10046_PHOTOVOLTAIQUE WDP COURCELLES	480	500
	10044_PHOTOVOLTAIQUE WDP JUMET - CONWAY	152	160,65
	10043_PHOTOVOLTAIQUE WDP NIVELLES	240	250
	10047_PHOTOVOLTAIQUE WDP NIVELLES - BOSQUET	480	500
	10045_PHOTOVOLTAIQUE WDP NIVELLES - CH. NAMUR	480	500
WAREMME FRUIT	8102_PHOTOVOLTAIQUE OLEYE	233	249,69
WERELDHAVE BELGIUM	9536_PHOTOVOLTAIQUE BELLE-ÎLE	211	249,9
	8329_PHOTOVOLTAIQUE SHOPPING DE NIVELLES 1	230	250,56
	8394_PHOTOVOLTAIQUE SHOPPING DE NIVELLES 2	230	250,56
WIDART ENTREPRISES	9521_PHOTOVOLTAIQUE ENTREPRISES WIDART	36,75	36,75
WILBOW	8187_PHOTOVOLTAIQUE WILBOW	17	17
WONDERFOOD	9085_PHOTOVOLTAIQUE WONDERFOOD	30	45,6
WONITROL	8061_PHOTOVOLTAIQUE WONITROL MONS	81,9	81,9
WORLD TRADE	8918_PHOTOVOLTAIQUE WORLD TRADE	170	237,9
WOW COMPANY	8739_PHOTOVOLTAIQUE WOW COMPANY	153	156
ZOETIS BELGIUM	8058_PHOTOVOLTAIQUE ZOETIS BELGIUM	181,2	204,832
ZONE DE POLICE OUEST BRABANT WALLON	9212_PHOTOVOLTAIQUE ZONE DE POLICE OUEST BRABANT WALLON	24	30,09
Net developable electrical capacity > 1,500 KW		127 417	143 174
Nombre de sites		11	35

Hydropower sector

Producteur	Site de production (avec n° de dossier)	Pend [kW]
AFA Denis	52_HYDRO DES FORGES	66,000
C.E. Bruno MARAITE	61_HYDRO MARAITE (LIGNEUVILLE)	217,000
C.E. LA FENDERIE	71_HYDRO LA FENDERIE (TROOZ)	276,340
CARMEUSE	435_HYDRO NEUVILLE (MOHA)	89,730
CARRIÈRE DE VINALMONT	58_HYDRO DE RABORIVE (AYWAILLE)	60,300
CENTRALES GAMBY	59_HYDRO CHAPUIS (BELLEVAUX)	100,000
	60_HYDRO D'OLNE	255,500
DE FABRIBECKERS TOM	8267_HYDRO LES AUBES DE LA BIESME (GOUGNIES)	86,000
DEGESTEN	8313_HYDRO LES AMEROIS (BOUILLON)	73,810
DONY	48_HYDRO DU VAL DE POIX	91,000
EDF Luminus	15_HYDRO D'AMPSIN-NEUVILLE	9 910,000
	14_HYDRO D'ANDENNE	8 986,000
	12_HYDRO DE FLORIFFOUX	843,000
	18_HYDRO DE LIXHE	22 979,000
	17_HYDRO DE MONSIN	17 765,000

	13_HYDRO DES GRANDS-MALADES (JAMBES)	4 887,000
	16_HYDRO D'IVOZ-RAMET	9 742,000
ELECTRABEL	36_HYDRO DE BÉVERCÉ	9 902,200
	35_HYDRO DE BÜTGENBACH	2 106,000
	33_HYDRO DE CIERREUX (GOUVY)	99,700
	31_HYDRO DE COO DÉRIVATION	385,400
	29_HYDRO DE HEID-DE-GOREUX (AYWAILLE)	7 344,000
	34_HYDRO DE LA VIERRE (CHINY)	1 976,000
	28_HYDRO DE LORCÉ	80,000
	32_HYDRO DE STAVELOT	106,000
	30_HYDRO D'ORVAL	47,400
	77_MOULIN DE BARDONWEZ (RENDEUX)	32,000
ÉNERGIE BERCHIWÉ	122_MOULIN DE BERCHIWÉ	22,000
ÉNERGIE-FLEUVES	9463_HYDRO BARRAGE DE HASTIÈRE	1 902,000
	207_HYDRO BARRAGE DE HUN	1 965,000
	9464_HYDRO BARRAGE DE WAULSORT	1 480,000
ENHYDRO	65_HYDRO DE PONT-À-SMUID (SAINT-HUBERT)	174,000
	66_HYDRO DE SAINTE-ADELINE (SAINT-HUBERT)	116,000
F.Y.M CONSULT	73_MOULIN FISENNE (PEPINSTER)	95,000
HYDRO B	8073_HYDRO DE MARCINELLE	656,000
HYDROLEC DENIS	51_HYDRO DE DOLHAIN (BILSTAIN)	140,000
	53_MOULIN PIRARD (NESSONVAUX)	48,960
HYDROVAL	47_HYDRO ZOUDE (SAINT-HUBERT)	178,450
IKONOMAKOS Xavier	564_HYDRO BARSE (MARCHIN)	45,000
JEANTY Nadine	76_MOULIN DE VILLERS-LA-LOUE	14,950
LA TRAPPERIE	2501_HYDRO DE LA TRAPPERIE (HABAY-LA-VIEILLE)	37,000
MERYTHERM	57_HYDRO DE MÉRY (TILFF)	205,000
MOULINS HICK	158_MOULIN HICK (VAL-DIEU)	18,000
MUYLE HYDROÉLECTRICITÉ	87_HYDRO DE MORNIMONT	698,000
PHY	74_HYDRO PIRONT (LIGNEUVILLE)	62,200
	75_MOULIN MAYERES (MALMEDY)	104,000
REFAT ELECTRIC	67_HYDRO DE REFAT (STAVELOT)	245,400
SAPIEF	72_HYDRO DE FRAIPONT	75,000
SCIERIE MAHY	83_MOULIN DE LA SCIERIE MAHY (CHANLY)	25,000
SHEM	8270_HYDRO DU MAKA (YVOIR)	29,310
SPW	6677_HYDRO BARRAGE DE LA GILEPPE	581,000
	78_HYDRO DE L'EAU D'HEURE	951,000
	79_HYDRO DU PLAN INCLINÉ DE RONQUIÈRES	2 690,000
SWDE	55_HYDRO COMPLEXE DE LA VESDRE (EUPEN)	1 519,000
	54_HYDRO COMPLEXE DE L'OURTHE (NISRAMONT)	1 208,000
VAL NOTRE DAME HYDRO	8268_HYDRO VAL-NOTRE-DAME (WANZE)	55,000
VERTWATT	202_HYDRO SAINT-ROCH (COUVIN)	92,000
WAL D'OR	1375_HYDRO WALD'OR (MARCHIN)	75,000
WILLOT Jean-Luc	99_MOULIN JEHOULET (MOHA)	21,700
ZEYEN Dietmar	62_MOULIN DE WEWELER (BURG-REULAND)	169,000
Net developable electrical capacity > 1,500 KW		114 204
Nombre de sites		60

Wind power sector

Producteur	Site de production (avec n° de dossier)	Pend [kW]
A + ENERGIES	117_ÉOLIENNE BRONROMME	328
ALLONS EN VENT	132_ÉOLIENNE TIENNE DU GRAND SART	794
ASPIRAVI	250_PARC ÉOLIEN D'AMEL	9 897
	8559_PARC ÉOLIEN DE PERWEZ 6	6 000
	5713_PARC ÉOLIEN VAUBAS (VAUX-SUR-SURE)	5 923
CAPE DOCTOR	7901_PARC ÉOLIEN DE WARISOULX	9 842
DOW CORNING EUROPE	8242_ÉOLIENNE DOW CORNING SENEFFE	2 274
ECOPOWER	8241_PARC ÉOLIEN RECOPIA (HOUYET)	11 475
EDF Luminus	7055_PARC ÉOLIEN DE BERLOZ	5 955
	9562_PARC ÉOLIEN DE BERLOZ 2	9 858
	8009 PARC ÉOLIEN DE CINEY 1	10 052
	8013_PARC ÉOLIEN DE CINEY 2	10 052
	163_PARC ÉOLIEN DE DINANT & YVOIR	11 447
	3094 PARC FOLIFN DE FERNELMONT	6 831
	7056_PARC ÉOLIEN DE FOSSE-LA-VILLE 2	7 919
	100_PARC ÉOLIEN DE VILLERS-LE-BOUILLET	12 000
	121_PARC ÉOLIEN DE WALCOURT	9 000
	3093_PARC ÉOLIEN SPE DE VERLAINE/VILLERS LE BOUILLET	7 959
	8869_PARC ÉOLIEN SPY	6 761
	7946_PARC ÉOLIEN WINDVISION WINDFARM FLOREFFE	6 839
ELECTRABEL	8760_ÉOLIENNES 2 ET 3 DE FRASNES-LEZ-ANVAING	4 073
LECTIABLE	7906_PARC ÉOLIEN DE BÜLLINGEN	11 919
	70_PARC ÉOLIEN DE BÜTGENBACH	7 993
	7905_PARC ÉOLIEN DE DOUR	9 553
	8122_PARC ÉOLIEN DE LEUZE-EN-HAINAUT	14 255
	7984_PARC ÉOLIEN QUÉVY 2	5 909
ELECTRASTAR	144_PARC ÉOLIEN DE MARBAIS	21 747
ELECTRAWINDS BASTOGNE	3786_PARC ÉOLIEN BASTOGNE 1	5 923
ELECTRAWINDS WIND BELGIUM	8385_PARC ÉOLIEN DE PERWEZ 5	4 000
ÉLECTRICITÉ DU BOIS DU PRINCE	233_PARC ÉOLIEN DE FOSSES-LA-VILLE	30 854
ELSA	8123_PARC ÉOLIEN DE LEUZE EUROPE 10	2 036
LLOA	8144 PARC ÉOLIEN DE LEUZE EUROPE 9	2 036
ENAIRGIE DU HAINAUT	160_PARC ÉOLIEN DE DOUR-QUIÉVRAIN	14 124
ENAINGIE DO HAINAOT	9413 PARC ÉOLIEN DOUR EXTENSION NORD	4 613
ENECO WIND BELGIUM	9551_PARC ÉOLIEN DE GEER	7 393
	9483_PARC ÉOLIEN MESSANCY	5 965
ENERCITY	3118_PARC ÉOLIEN DE VERLAINE / VILLERS-LE-BOUILLET	1 990
	104_ÉOLIENNE DE ST-VITH	
Energie 2030		593
ENERGIE 2030 AGENCE	180_ÉOLIENNE DE CHEVETOGNE	800
ENI Wind Belgium	130_PARC ÉOLIEN DE PERWEZ 3	4 495
ÉOLIENNES DE LORRAINE	9525_PARC ÉOLIEN DE HONDELANGE (éoliennes 4 et 5)	3 920
EOLY	147_ÉOLIENNE WALDICO GHISLENGHIEN	1 969
	9510_PARC ÉOLIEN DE SPY - ÉOLIENNE 2	3 381
	10242_ÉOLIENNE ATH/LESSINES (OLLIGNIES)	2 000
FLAWIND	8231_ÉOLIENNE 1 DE FRASNES-LES-ANVAING	2 036
FRASNES-LES-VENTS	9421_PARC ÉOLIEN FRASNES-LEZ-BUISSENAL	1 960

GESTAMP WIND BEAUMONT	10092_PARC ÉOLIEN BEAUMONT	11 876
GESTAMP WIND FELUY	10013_PARC ÉOLIEN FELUY	14 335
GREEN WIND	3028_PARC ÉOLIEN DE CERFONTAINE	21 834
	3027_PARC ÉOLIEN DE CHIMAY	23 405
	2825_PARC ÉOLIEN DE FROIDCHAPELLE	24 855
HÉGOA WIND	7963_PARC ÉOLIEN DE PERWEZ 4 (AISCHE-EN-REFAIL)	7 411
KVNRG	7929_PARC ÉOLIEN QUÉVY 1	10 465
LAMPIRIS WIND I	146_ÉOLIENNE DE COUVIN	1 977
LES MOULINS DU HAUT PAYS	7954_PARC ÉOLIEN MOULIN DU HAUT PAYS - EXTENSION DOUR- QUIEVRAIN	4 533
LES VENTS DE L'ORNOI	86_PARC ÉOLIEN DE GEMBLOUX-SOMBREFFE	8 982
LES VENTS DE PERWEZ	107_PARC ÉOLIEN DE PERWEZ 2	7 396
MAGNA WIND PARK	10025_PARC ÉOLIEN GAROCENTRE	9 283
MICHAUX Jean-Pierre	91_ÉOLIENNE DU CHAMP DE RANCE	18
MOBILAE	7930_PARC ÉOLIEN WAIMES-CHAIVREMONT	11 371
PBE	69_ÉOLIENNE DE PERWEZ 1	597
PELZ	8173_PARC ÉOLIEN DE LEUZE EUROPE 8	2 036
RENEWABLE POWER COMPANY	7987_PARC ÉOLIEN DE BOURCY	17 433
	50_PARC ÉOLIEN DE SAINTE-ODE	7 484
	7911_PARC ÉOLIEN DE SAINTE-ODE 2	14 944
Sky Sweeper	2412_PARC ÉOLIEN DE PONT-À-CELLES (NIVELLES)	15 753
SOLANO WIND	8276_PARC ÉOLIEN DE CINEY PESSOUX	14 818
TABNRG	7928_PARC ÉOLIEN TOURNAI ANTOING	15 915
TIVANO	8150_PARC ÉOLIEN DE GOUVY	11 307
VANHEEDE WINDPOWER	7962_ÉOLIENNE VANHEEDE WINDPOWER	2 000
VENTS D'AUTELBAS	9079_ÉOLIENNE ARLON 6	1 960
Vents d'Houyet	94_ÉOLIENNE AUX TCHERETTES	1 390
WIND4WALLONIA	9583_PARC ÉOLIEN DOUR EXTENSION NORD (HENSIES)	4 654
	9585_PARC EOLIEN STERPENICH	5 965
WINDFARM BIÈVRE	7999_PARC ÉOLIEN BIÈVRE	14 000
WINDFARM SANKT VITH	8054_PARC ÉOLIEN DE SAINT-VITH	9 714
WINDVISION WINDFARM ESTINNES	798_PARC ÉOLIEN D'ESTINNES	79 589
WINDVISION WINDFARM LEUZE-EN-HAINAUT	8414_PARC ÉOLIEN DE LEUZE-EN-HAINAUT 2	20 475
Net developable electrical capacity > 1,500 KW		724 519
Nombre de sites		78

Biomass sector

Producteur	Site de production (avec n° de dossier)	Pend [kW]	Pqnv [kW]	
AGRIBERT - BENIEST	140_BIOGAZ C.E.T. FERME DE LA GRANGE DE LA DÎME (MONT- SAINT-GUIBERT)	245	0	
AIGREMONT	109_BIOMASSE AIGREMONT (FLÉMALLE)	1 090	1 318	
AIVE	186_BIOGAZ C.E.T. DE HABAY	444	693	
	63_BIOGAZ C.E.T. DE TENNEVILLE	1 660	1 692	
ARBORETUM	183_BIOFUEL L'ARBORETUM (PÉRUWELZ)	25	41	
BIOENERGIE EGH	263_BIOGAZ BIOENERGIE EGH (NIDRUM)	220	268	
BIOSPACE	9104_BIOGAZ BIOSPACE (GESVES)	961	0	
BIOWANZE	1151_BIOMASSE BIOWANZE	18 750	77 700	
BURGO ARDENNES	43_BIOMASSE BOIS BURGO ARDENNES (VIRTON)	58 900	103 381	
B***	123_B*** (SURICE)	85	56	
C.E.T.B.	7923_BIOGAZ C.E.T. LE BEAUMONT	477	258	
CAP FORME	128_BIOFUEL CAP FORME (LA GLANERIE)	12	26	

CAROLIMMO	134_BIOFUEL BUSINESS HOTEL (CHARLEROI)	12	26
CINERGIE	8277_BIOGAZ CINERGIE FLEURUS	949	1 282
CITÉ DE L'ESPOIR	8002_BIOFUEL CITÉ DE L'ESPOIR (ANDRIMONT)	59	104
COMMUNE DE GEDINNE	142_BIOMASSE BOIS COMMUNE DE GEDINNE	306	337
COMMUNE D'OTTIGNIES - LOUVAIN-LA-NEUVE	188_BIOFUEL CENTRE CULTUREL D'OTTIGNIES	90	156
DRIES ENERGY	8286_BIOGAZ DRIES ENERGY (AMEL)	565	726
ECOGEER	2177_BIOGAZ DU HAUT GEER (GEER)	1 062	914
ELECTRABEL	97_BIOMASSE BOIS AWIRS 4	80 000	0
ELECTRAWINDS BIOMASSE MOUSCRON	153_BIOMASSE ELECTRAWINDS MOUSCRON	17 240	4 701
ENERWOOD	9056_BIOMASSE BOIS ENERWOOD (DISON)	1 159	4 000
ERDA	152_BIOMASSE BOIS ERDA (BERTRIX)	6 300	19 000
ERPC	8057_BIOFUEL ERPC (COURCELLES)	115	142
ETA LE SAUPONT	126_BIOMASSE BOIS LE SAUPONT (BERTRIX)	141	1 525
FERME DE BAMISCH	10117_FERME DE BAMISCH (HOMBOURG)	32	61
FRIEBARA	23_BIOGAS HOF HECK (NIDRUM)	153	226
GEBRÜDER LENGES	24_BIOGAS HOF LENGES (RECHT)	2 200	2 871
G***	10015_B*** (COURTIL (BOVIGNY))	11	26
HOLZINDUSTRIE PAULS AG	8793_BIOMASSE BOIS HOLZINDUSTRIE PAULS (GOUVY)	5 000	15 000
I.D.E.A. HENNUYERE	68_BIOGAZ STEP STATION D'ÉPURATION DE WASMUEL	429	0
IBV and Cie	1152_BIOMASSE BOIS IBV (VIELSALM)	17 769	27
IBW	7967_BIOGAZ STEP IBW BASSE-WAVRE	236	0
INTRADEL	82_BIOGAZ C.E.T. D'HALLEMBAYE	2 167	602
IPALLE	8398_BIOGAZ STEP IPALLE (MOUSCRON)	248	0
JOLUWA	7957_BIOGAZ JOLUWA (NIVELLES)	88	110
KESSLER FRÈRES	38_BIOGAZ FERME DE FAASCHT (ATTERT)	774	1 011
L'ORÉAL LIBRAMONT	5712_BIOGAZ BIOENERGIE L'ORÉAL (LIBRAMONT)	3 102	1 543
MONSOTEL	204_BIOFUEL HOTEL MERCURE (NIMY)	25	44
MOULIN G SCHYNS	2181_BIOMASSE BOIS MOULIN SCHYNS (BATTICE)	964	2 000
MYDIBEL	135_BIOGAZ STEP MYDIBEL (MOUSCRON)	4 154	5 256
NEW VERLAC	155_BIOFUEL VERLAC (ALLEUR)	50	88
N***	8811_B*** (BURG-REULAND)	15	17
RECYBOIS	112_BIOMASSE BOIS RECYBOIS (LATOUR)	3 800	8 000
RENOGEN	138_BIOFUEL RENOGEN KAISERBARACKE	2 949	3 607
	149_BIOMASSE BOIS RENOGEN KAISERBARACKE	9 700	16 000
SCHEP HEERSCHOP	9582_BIOGAZ SCHEP HEERSCHOP	32	61
SHANKS	2_BIOGAZ C.E.T. DE MONT-ST-GUIBERT / CETEM	10 657	0
SIBIOM	10_BIOGAZ STEP LUTOSA (LEUZE)	2 190	2 703
SITA WALLONIE	84_BIOGAZ C.E.T. DE MONTZEN	120	0
	1_BIOGAZ C.E.T. D'ENGIS-PAVIOMONT	1 780	0
SPAQUE	64_BIOGAZ C.E.T. D'ANTON (BONNEVILLE)	102	171
	105_BIOGAZ C.E.T. DES ISNES	49	105
SUCRERIE COUPLET	8017_BIOFUEL SUCRERIE COUPLET (SAINT-MAUR)	433	400
T***	10020_B*** (PESSOUX)	11	33
UNIVERSITÉ DE LIÈGE	6454_BIOMASSE BOIS CHAUFFERIE CENTRALE DU SART TILMAN	1 731	7 000
VAN GANSEWINKEL ENVIRONMENTAL SERVICES	20_BIOGAZ C.E.T. DE COUR-AU-BOIS	3 041	1 000
VANHEEDE BIOMASS SOLUTIONS	205_BIOGAZ SODECOM (QUÉVY)	3 297	2 274
WOODENERGY	148_BIOMASSE BOIS VALORBOIS (THIMISTER-CLERMONT)	3 865	6 400
XYLOWATT	2824_BIOMASSE BOIS GAZENBOIS (TOURNAI)	292	600
Net developable electrical capacity > 1,500 KW		272 333	295 582
Nombre de sites		60	

❖ Fossil cogeneration sector

Producteur Site de production (avec n° de dossier)		Pend [kW]	Pqnv [kW]
AU CLOS DES FREESIAS	9242_COGEN AU CLOS DES FREESIAS (PONT-À-CELLES)	30	65
AW EUROPE	8097_COGEN AW EUROPE (BAUDOUR)	70	124
BAXTER	8063_COGEN BAXTER LESSINES	5 336	8 410
BEAUVENT	10048_COGEN GRAMYBEL (MOUSCRON)	829	980
BELGIAN QUALITY FISH	161_COGEN BQF (DOTTIGNIES)	375	655
BENEO-Orafti	113_COGEN RAFFINERIE NOTRE-DAME (OREYE)	9 500	70 000
BIESBROUCK	150_COGEN BIESBROUCK (PECQ)	4 942	6 539
BOWLING SQUASH NAMUR	10031_COGEN BOWLIN SQUASH NAMUR	20	40
BRICOPHI - HUBO	9330 COGEN HUBO - BRICOPHI	15	32
BRIQUETERIES DE PLOEGSTEERT	8036_COGEN BRIQUETERIE DE PLOEGSTEERT DIVISION BARRY	301	510
	1973_COGEN BRIQUETERIES DE PLOEGSTEERT	889	1 187
C.H.A.A.P	7916_COGEN L'ORÉE DU BOIS (QUEVAUCAMPS)	15	32
C.H.R DE LA CITADELLE DE LIÈGE	7976_COGEN C.H.R DE LA CITADELLE DE LIÈGE	1 532	1 651
CARGILL CHOCOLATE BELGIUM	9245_COGEN CARGILL CHOCOLATE BELGIUM	249	321
CENTRE HOSPITALIER PSYCHIATRIQUE DE LIÈGE	185_COGEN CANGRE GIOGOCATE BEEGIOM 185_COGEN CHP PETIT BOURGOGNE (SCLESSIN)	137	207
CENTRE MEDICO SOCIAL DU TOURNAISIS	9475_COGEN CMST	19	40
CENTRE NEUROLOGIOUE WILLIAM LENNOX	9037 COGEN CENTRE NEUROLOGIOUE LENNOX	123	176
		20	40
CENTRE PUBLIC D4ACTION SOCIALE LE ROEULX	10276_COGEN HOME SAINT JACQUES (LE ROEULX)		
CENTRE PUBLIC D'ACTION SOCIALE DE HERVE	8265_COGEN CPAS DE HERVE	48	79
CENTRE PUBLIC D'ACTION SOCIALE DE MONS	8145_COGEN RÉSIDENCE DU BOIS D'HAVRÉ	138	216
CHIREC	8795_COGEN HÔPITAL DE BRAINE-L'ALLEUD-WATERLOO	392	571
CHR DE NAMUR	4_COGEN CHR DE NAMUR	813	1 046
CHU AMBROISE PARÉ	170_COGEN CHU AMBROISE PARÉ (MONS)	680	954
CHU MONT- GODINNE DINANT	8326_COGEN CHU MONT- GODINNE	1 034	1 304
CHU UCL MONT-GODINNE DINANT	10051_COGEN CHU DINANT GODINNE	235	363
CLINIQUE DE L'IPAL	208_COGEN PÈRÎ DES CLINIQUES DE L'IPAL (SCLESSIN)	119	201
CLINIQUE NOTRE-DAME DE GRÂCE CLINIQUE PSYCHIATRIQUE DES FRÈRES ALEXIENS	9195_COGEN HÔPITAL NOTRE DAME DE GRÂCE 103_COGEN CLINIQUE PSY DES FRÈRES ALEXIENS (HENRI- CHAPELLE)	232	372 254
CLINIQUE SAINT PIERRE	8266 COGEN CLINIOUE SAINT-PIERRE	395	474
COMMUNE DE CHAUDFONTAINE	8577_COGEN CENTRE SPORTIF EMBOURG	48	81
COSUCRA GROUPE WARCOING	96_COGEN PROVITAL INDUSTRIE (WARCOING)	1 375	1 861
	41_COGEN SUCRERIE DE WARCOING 1 - VW	832	1 249
	118_COGEN SUCRERIE DE WARCOING 2 - SITE NIRO	976	1 249
	119_COGEN SUCRERIE DE WARCOING 3 - TURBO	6 547	40 710
CPAS DE COURCELLES	10163_COGEN CENTRE SPARTACUS HUART (COURCELLES)	70	115
CPAS DE MOUSCRON	10016_COGEN CPAS DE MOUSCRON	142	206
CPAS DE NAMUR	164_COGEN CPAS DE NAMUR	118	200
DECOCK PLANTS	8021_COGEN PELARGONIUM DECOCK (COMINES)	1 477	1 909
DEPAIRON DOW CORNING ELIPOPE	3381_COGEN DEPAIRON (VERVIERS)	909	186
DOW CORNING EUROPE	3042_COGEN DOW CORNING SENEFFE		1 319
E.VICTOR-MEYER	10202_COGEN E.VICTOR-MEYER	835	1 045
ENEAS	45_COGEN MOTEL DE NIVELLES	65	109
FERRERO ARDENNES	359_COGEN FERRERO ARDENNES (ARLON)	4 204	4 848
FIRME DERWA	7780_COGEN DERWA (LIÈGE)	510	772
FUNDP	1174_COGEN FUNDP CHAUFFERIE DE CHIMIE (NAMUR)	234	372

GALACTIC	8005_COGEN GALACTIC (CELLES)	1 981	2 110
LAXOSMITHKLINE VACCINES 3523_COGEN GSK GEMBLOUX		139	251
	3522_COGEN GSK WAVRE 1	1 183	1 315
	8035_COGEN GSK WAVRE 2	1 174	1 507
GOBEL	371_COGEN AU JARDIN DU COEUR (FLÉRON)	18	32
GRAND HÔPITAL DE CHARLEROI	10263_COGEN HÔPITAL CHARLEROI	241	314
GREEN-INVEST	9278_COGEN AGC FLEURUS	610	880
GRETRYTAIL	9302_COGEN MR BRICOLAGE LIÈGE - GRÉTRY	15	35
HERITAGE 1466	8707_COGEN HERITAGE 1466 (HERVE)	151	265
HOTEL LES 3 CLÉS	8451_COGEN HOTEL LES 3 CLÉS (GEMBLOUX)	30	67
IDEMPAPERS	7992_COGEN IDEMPAPERS VIRGINAL	8 850	39 770
INOVYN MANUFACTURING BELGIUM	39_COGEN SOLVAY (JEMEPPE)	94 447	116
INSTITUT SAINTE ANNE	9532_COGEN INSTITUT SAINTE ANNE	20	40
INTERAGRI DUMOULIN	4823_COGEN DUMOULIN (SEILLES)	1 113	620
INTERCOMMUNALE DE SOINS SPECIALISÉS DE LIÈGE	9513_COGEN LE VALDOR	398	201
INVEST MINGUET GESTION	8105_COGEN HOTEL HUSA DE LA COURONNE (LIÈGE)	29	62
IPALLE	89_COGEN STATION D'ÉPURATION DE MOUSCRON	403	644
ISERA & SCALDIS SUGAR	98_COGEN SUCRERIE DE FONTENOY	9 806	31 077
LA REPOSÉE	8796_COGEN LA REPOSÉE	20	40
LE POLE IMAGE DE LIÈGE	254_COGEN LE PÔLE-BÂTIMENT S (LIÈGE)	79	121
	7909_COGEN LE PÔLE-BÂTIMENT T (LIÈGE)	123	205
LES ACACIAS	9241_COGEN LES ACACIAS	18	40
LES BOULEAUX	10282_COGEN MAISON DE REPOS (OUPEYE)	20	40
LES GLYCINES	10011_COGEN LES GLYCINES	20	40
LES JARDINS DE SCAILMONT	9273_COGEN JARDINS DE SCAILMONT	19	34
LES NUTONS	8044_COGEN LES NUTONS (MARCHE)	621	983
L'HOURGNETTE	9173_COGEN PRISON DE MARCHE-EN-FAMENNE	138	216
LOUYET	10033_COGEN LOUYET	20	40
MALTERIE DU CHATEAU	2179_COGEN MALTERIE DU CHATEAU (BELOEIL)	330	630
MARIENHEIM RAEREN	8104_COGEN MARIEHEIM (RAEREN)	59	129
MIMOB	8810_COGEN MIMOB HORS-CHATEAU	15	30
Ministerium der Deutschsprachigen Gemeinschaft	8735_COGEN MINISTERIUM DER DG (EUPEN)	48	81
	10518_COGEN KONIGLICHES ATHENAUM EUPEN	20	42
MONDELEZ INTERNATIONAL	1722_COGEN KRAFT FOODS NAMUR	610	808
NEKTO	8124_COGEN NEKTO (SOIGNIES)	29	62
ORES (Hainaut Électricité)	10107_COGEN ORES STREPY	20	40
PROGEST	7904_COGEN CHANTEBRISE (WAREMME)	48	77
RADERMECKER	8349_COGEN RADERMECKER (BATTICE)	434	662
RAFFINERIE TIRLEMONTOISE	37_COGEN RAFFINERIE DE WANZE	12 475	60 000
	108_COGEN RÂPERIE DE LONGCHAMPS	6 888	15 502
RCA DES SPORTS ET LOISIRS DU CONDROZ	9472_COGEN PISCINE COMMUNALE DE CINEY	50	82
RÉGIE COMMUNALE AUTONOME DE LA LOUVIÈRE	422_COGEN CENTRE AQUATIQUE DE LA LOUVIÈRE	300	458
RÉGIE COMMUNALE AUTONOME D'OUPEYE	10323_COGEN CENTRE SPORTIF J. STAINIER (HACCOURT)	20	39
Régie des Bâtiments	8721_COGEN PRISON DE JAMIOULX	151	265
-	8018_COGEN PRISON DE HUY	52	79
RÉSIDENCE ELISABETH	9408_COGEN RESIDENCE ELISABETH	15	32
RÉSIDENCE LES PEUPLIERS	9194_COGEN RESIDENCE LES PEUPLIERS	15	32
ROSSEL PRINTING COMPANY	COGEN ROSSEL PRINTING (BAULERS)	150	186
RTBF	8462_COGEN MÉDIA RIVES (LIÈGE)	67	114
SOCIÉTÉ D'EXPLOITATION DES THERMES DE SPA	7907_COGEN THERMES DE SPA	390	582

SOLAREC	8453_COGEN SOLAREC (LIBRAMONT)	2 650	2 967
SOWAER	2374_COGEN AÉROPORT DE CHARLEROI	70	114
SPA MONOPOLE	1178_COGEN SPA MONOPOLE	1 947	2 441
SPW	1659_COGEN CA MET (NAMUR)	329	481
STANDINGHOTES	9269_COGEN LE ROYAL	19	45
STUV	8048_COGEN STUV BOIS-DE-VILLERS	140	220
SWDE	8151_COGEN STATION DE TRAITEMENT DE STEMBERT	50	79
TAPIS RENT	8056_COGEN TAPIS RENT (EUPEN)	30	62
TECHSPACE AERO	141_COGEN TECHSPACE-AERO (MILMORT)	1 548	1 920
TOTAL PETROCHEMICALS FELUY	8074_COGEN TPF (FELUY)	14 037	38 330
TRAITEUR PAULUS	8382_COGEN PAULUS (CINEY)	12	28
UNIVERSITÉ CATHOLIQUE DE LOUVAIN	8012_COGEN UCL (LOUVAIN-LA-NEUVE)	3 768	4 112
UNIVERSITÉ DE LIÈGE	6500_COGEN BÂTIMENT DE RADIOCHIMIE (LIÈGE) 134		202
	6499_COGEN ULG BÂTIMENT D'ÉDUCATION PHYSIQUE (LIÈGE)	134	202
UNIVERSITÉ LIBRE DE BRUXELLES	8586_COGEN ULB GOSSELIES	808	1 033
VIVALIA - CLINIQUE SAINT-JOSEPH	8531_COGEN CLINIQUE SAINT-JOSEPH (ARLON)	364	486
Net developable electrical capacity > 1,500 KW		217 069	366 793
Nombre de sites		11	11

Annex 2 - Developments in electricity generation for the last 10 years by sector

		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Solaire	CV produits	25	10 138	152 004	370 914	938 066	2 749 567	4 006 364	4 755 128	4 915 077	4 509 236
	Électricité SER produite (MWh)	25	1 519	22 233	54 594	140 663	416 174	578 019	724 730	796 753	788 399
	Électricité nette produite (MWh)	25	1 519	22 233	54 594	140 663	416 174	578 019	724 730	796 753	788 399
Hydraulique	CV produits	377 909	190 851	167 623	163 237	101 201	175 564	116 976	104 413	123 826	153 752
	Électricité SER produite (MWh)	377 909	365 843	317 582	295 535	187 780	363 474	372 695	286 694	327 402	387 122
	Électricité nette produite (MWh)	377 909	365 843	317 582	295 535	187 780	363 474	372 695	286 694	327 402	387 122
Éolien	CV produits	204 840	296 432	496 410	697 775	1 029 347	1 194 692	1 233 240	1 325 285	1 511 039	1 401 501
	Électricité SER produite (MWh)	204 840	296 902	496 561	697 777	1 029 512	1 194 850	1 233 434	1 325 597	1 511 574	1 401 964
	Électricité nette produite (MWh)	204 840	296 902	496 561	697 777	1 029 512	1 194 850	1 233 434	1 325 597	1 511 574	1 401 964
Biomasse	CV produits	379 548	477 891	385 731	495 492	410 356	385 038	324 342	120 125	305 881	754 785
	Électricité SER produite (MWh)	562 933	691 036	545 109	612 051	582 750	470 091	404 586	150 553	294 108	536 958
	Électricité nette produite (MWh)	576 441	702 682	559 207	620 999	658 283	478 527	412 756	157 548	306 868	541 631
Cogénération biomasse	CV produits	497 315	658 669	851 714	1 051 197	1 166 602	1 101 340	1 149 771	1 280 245	1 431 172	1 609 550
	Électricité SER produite (MWh)	414 110	611 668	758 130	854 591	882 492	767 421	739 929	814 100	850 052	936 569
	Électricité COGEN produite (MWh)	434 025	632 348	814 675	943 826	965 520	859 307	862 614	904 948	951 403	1 046 268
	Électricité nette produite (MWh)	434 025	632 348	814 675	943 826	965 520	859 307	862 614	904 948	951 403	1 046 268
Biomasse	CV produits	876 863	1 136 560	1 237 446	1 546 688	1 576 958	1 486 378	1 474 113	1 400 371	1 737 053	2 364 335
	Électricité SER produite (MWh)	977 043	1 302 705	1 303 239	1 466 642	1 465 242	1 237 512	1 144 515	964 653	1 144 160	1 473 527
	Électricité COGEN produite (MWh)	434 025	632 348	814 675	943 826	965 520	859 307	862 614	904 948	951 403	1 046 268
	Électricité nette produite (MWh)	1 010 466	1 335 029	1 373 882	1 564 825	1 623 803	1 337 834	1 275 370	1 062 496	1 258 271	1 587 900
Cogénération fossile	CV produits	101 721	112 256	114781	101 623	124 911	162 664	140 629	136 965	146 433	109 386
	Électricité SER produite (MWh)	1 564	1 585	2 920	1 409	822	2 874	4 257	3 337	4 356	3 803
	Électricité COGEN produite (MWh)	878 115	896 877	916 388	878 133	1 004 634	1 135 467	1 167 179	1 073 748	1 129 027	1 062 313
	Électricité nette produite (MWh)	878 115	896 877	916 388	878 133	1 004 634	1 135 467	1 167 179	1 073 748	1 129 027	1 062 313
Total électricité verte	CV produits	1 561 359	1 746 237	2 168 264	2 880 237	3 770 484	5 768 865	6 971 322	7 722 162	8 433 428	8 538 210
	Électricité SER produite (MWh)	1 561 382	1 968 555	2 142 535	2 515 957	2 824 018	3 214 885	3 332 919	3 305 011	3 784 245	4 054 815
	Électricité COGEN produite (MWh)	1 312 140	1 529 225	1 731 063	1 821 959	1 970 154	1 994 773	2 029 792	1 978 696	2 080 430	2 108 581
	Électricité nette produite (MWh)	2 471 356	2 896 171	3 126 646	3 490 864	3 986 391	4 447 798	4 626 696	4 473 265	5 023 027	5 227 697
	Tonnes de CO ₂ évitées	711 980	796 284	988 728	1 313 388	1 719 340	2 630 602	3 178 923	3 521 306	3 845 643	3 893 424
Part dans la fourniture****	Fournitures d'électricité en Wallonie	24 070 385	24 062 992	22 347 398	23 492 682	22 915 218	22 608 953	22 162 214	21 340 684	21 200 092	20 878 458
	% électricité SER *	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	% électricité COGEN**	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	% électricité nette produite	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

^{*} L'électricité SER correspond à l'électricité produite à partir de sources d'énergie renouvelables au sens européen (Directive 2009/28/CE).

^{**} L'électricité COGEN correspond à l'électricité produite à partir d'installation de cogénération de qualité (combustibles fossiles et biomasses); cette notion wallonne est proche mais différente de la notion de cogénération à haut rendement au sens européen (Directive 2004/8/CE).

^{*****}La fourniture reprise est la fourniture à des tiers. Elle diffère légèrement de la fourniture soumise à quota à partir de 2014.

Annex 3 - Operating sites that received a GC quota reduction in 2016

SIEGE D'EXPLOITATION	FEDERATION	SECTEUR
(nom,adresse)		
AIR LIQUIDE MARCHIENNE Rue de la Réunion, 127,6030 MARCHIENNE-AU-PONT	ESSENSCIA	Chimie
AIR LIQUIDE BAUDOUR Route de Wallonie,B-7331 BAUDOUR	ESSENSCIA	Chimie
AIR LIQUIDE LIEGE Rue de la Vieille Espérance, 86B-4100 SERAING	ESSENSCIA	Chimie
AKZO GHLIN Parc Industriel de Ghlin,Zone A B-7011 GHLIN	ESSENSCIA	Chimie
AMPACET Rue d'Ampacet 1 B-6780 MESSANCY	ESSENSCIA	Chimie
CATERPILLAR Avenue des Etats-Unis 1B-6041 GOSSELIES	AGORIA	Fabrications métalliques et électriques
CBR ANTOING Rue du Coucou 8,B-7640 ANTOING	FEBELCEM	Cimenteries
CBR HARMIGNIES Rue Blancart 1B-7022 HARMIGNIES	FEBELCEM	Cimenteries
CBR LIXHE Rue des Trois FermesB-4600 LIXHE	FEBELCEM	Cimenteries
CCB G-RXGrand- Route, 260B-7530 GAURAIN-RAMECROIX	FEBELCEM	Cimenteries
INDUSTEEL Rue de Chatelet,266, B-6033 MARCHIENNE-AU-PONT	GSV	
	GSV	
	•	
CHAUD-SERAINGRue Boverie.5.B-4100 SERAING	GSV	Sidérurgie
		Sidérurgie
	GSV	Sidérurgie
	ESSENSCIA	Chimie
	GSV	Sidérurgie
	GSV	Sidérurgie
		Sidérurgie
		Verre
THE MISSELL HALL BE IN CHESTER OF STREET PROPERTY.		
HOLCIM FRMITAGERue des sergents 20R-7864 LESSINES	FEDIEX	Carriéres
		Carriéres
· · · · · · · · · · · · · · · · · · ·		Carriéres
		Carriéres
,		Carriéres
		Carriéres
		Transport
		Chimie
		Fabrications métalliques et électriques
,		Agro-alimentaire
		Chaux
		Chaux
		Fabrications métalliques et électriques
		Verre
		Verre
OCTURED IF INITIAL INICIALIDATES LINGUIGINE I 13-200 - 0030 INICIALIDATES	111	vene
DDAVONDua Joseph Wautore 144P-4490 ENGIS	ESSENISCIA	Chimie
	AIR LIQUIDE MARCHIENNE Rue de la Réunion,127,6030 MARCHIENNE-AU-PONT AIR LIQUIDE BAUDOUR Route de Wallonie,B-7331 BAUDOUR AIR LIQUIDE LIEGE Rue de la Vieille Espérance, 86B-4100 SERAING AKZO GHLIN Parc Industriel de Ghlin,Zone A B-7011 GHLIN AMPACET Rue d'Ampacet 1 B-6780 MESSANCY CATERPILLAR Avenue des Etats-Unis 1B-6041 GOSSELIES CBR ANTOING Rue du Coucou 8,B-7640 ANTOING CBR HARMIGNIES Rue Blancart 1B-7022 HARMIGNIES CBR LIXHE Rue des Trois FermesB-4600 LIXHE CCB G-RXGrand- Route, 260B-7530 GAURAIN-RAMECROIX	AIR LIQUIDE MARCHIENNE Rue de la Réunion, 127,6030 MARCHIENNE-AU-PONT AIR LIQUIDE BALDOUR Route de Wallonie.B-7331 BAUDOUR BESSENSCIA AIR LIQUIDE LIEGE Rue de la Vieille Espérance, 868-4100 SERAING BESSENSCIA AZO GHLIN Parc Industriel de Ghlin, Zone A B-7011 GHLIN BESSENSCIA AMPACET Rue d'Ampacet 1 B-6730 MESSANCY CATERPILLAR Avenue des Etats-Unis 18-6041 GOSSELIES ACORIA AMPACET Rue d'Ampacet 1 B-6730 MESSANCY CATERPILLAR Avenue des Etats-Unis 18-6041 GOSSELIES ACORIA CER ANTOING Rue du Coucou 8.8-7540 ANTOING GRA HARMIGNIES Rue Blancart 18-7022 HARMIGNIES GEBLE.CEM GER LIXHÉ Rue des Trois Fermesb-4600 LIXHE CCB G-RXGrand- Route, 2008-7530 GAUPAIN-RAMECROIX FEBEL.CEM CCB G-RXGrand- Route, 2008-7530 GAUPAIN-RAMECROIX FEBEL.CEM CCB G-RXGrand- Route, 2008-7530 GAUPAIN-RAMECROIX FEBEL.CEM CDB G-RXGRAND-RUE BOVERIE-S, 14 B-6200 CHATELET GSV CHAUD-SERAING RUE BOVERIE-S, 14 B-6200 CHATELET GSV CHAUD-SERAING RUE BOVERIE-S, 14 D-6200 CHATELET GSV FROID-FILLBURJ-JEMEPPEB-4101 JEMEPPE SUR MEUSE GSV FROID-FILLBURJ-JEMEPPEB-4101 JEMEPPE SUR MEUSE GSV TOLLERIA DEL HOVE-MATHIEU (TOM)(Chaussee des Forges, 58-4570 MARCHIN GSV CHAUD-CHERTIAL-Pont de Wandreb-4633 VIVEONIS GSGA CLC-baussee de Raminoul, 508-4400 FLEMALLE GSV DOW CORNING-Parc industriel Zone CB-7180 SENEFFE GSV DOW CORNING-Parc industriel Zone CB-7180 SENEFFE GSV DOW CORNING-Parc industriel Zone CB-7180 SENEFFE GSV BAGGA CHAUB-CHERT AL Pont de Wandreb-4633 VIVEONIS GSV ENGINEERING STEEL RUE de le levintonnement 88-4100 SERAING GSV BAGGA CHAUB-CHERT AL Pont de Brandou SERAING GSV BAGGA CHAUB-CHERT AL Pont de Wandreb-4633 VIVEONIS ESCAL Chaussee de Barnioul SERAING GSV ENGINEERING STEEL RUE de levintonnement 88-4100 SERAING GSV BAGGA CHAUB-CHERT AL PONT DE LA LOUVIERE BAGGINEERING STEEL RUE de Pentronnement 68-4100 SERAING GSV BAGGA CHAUB-CHERT AL PONT DE LA CONTAR BAGGA CHAUB-CHERT AL CHAUB-CHERT BAGGA CHAUB-CHERT BAGGA CHAUB-CH

SILOX S.A	SILOX Rue joseph Wauters 144B-4480 ENGIS	ESSENSCIA	Chimie
BELIFE	BELIFE Rue Joseph Wauters 144 - 4480 ENGIS	ESSENSCIA	Chimie
Entité SAINT GOBAIN		<u> </u>	
Saint-Gobain Glass Benelux S.A	SAINT GOBAIN GLASSRue des Glaces Nationales 169B-5060 AUVELAIS	FIV	Verre
Saint-Gobain Sekurit S.A	SAINT GOBAIN SEKURITRue des Glaces Nationales 169B-5060 AUVELAIS	FIV	Verre
SCA Hygiène Products S.A	SCARue de la Papeterie 2B-4801 STEMBERT	COBELPA	Papier
Sol Spa S.A	SOL SPAZonning B de Feluy, B-7180 SENEFFE	ESSENSCIA	Chimie
Entité INOVYN	, , , , , , , , , , , , , , , , , , ,		
Inovyn S.A	SOLVICRue de Solvay 39 B- 5190 JEMEPPE-SUR-SAMBRE	ESSENSCIA	Chimie
,		ESSENSCIA	
			Chimie
Solvay Chimie	SOLVAY chimie Rue de Solvay 39 B- 5190 JEMEPPE-SUR-SAMBRE		
SPA Monopole SPRL	SPA MONOPOLERue Auguste Laporte 34B-4900 SPA	FEVIA	Agro-alimentaire
Société Thy-Marcinelle S.A	THY-MARCINELLEBoîte Postale 1502B-6000 CHARLEROI	GSV	Sidérurgie
Entité TOTAL			
Total Petrochemicals Feluy S.A	TOTAL FELUYZone Industrielle-Zone CB-7181FELUYBE0416670824	ESSENSCIA	Chimie
Total Petrochemicals Feluy S.A	TOTAL ECAUSSINESZone Industrielle-Zone CB-7181FELUYBE0466813884	ESSENSCIA	Chimie
Total Petrochemicals Feluy S.A	TOTAL ANTWERPENZone Industrielle-Zone CB-7181FELUYBE0433182895	ESSENSCIA	Chimie
Total Petrochemicals Feluy S.A	TOTAL DEVELOPMENT FELUYZone industrielle- zone CB-7181 FELUYBE0874422435	ESSENSCIA	Chimie
UCB division pharmaceutique S.A	UCBChemin du ForestB-1420 BRAINE-L'ALLEUD	ESSENSCIA	Chimie
Pinguin Lutosa foods S.A	PINGUINLUTOSAZoning Industriel de Vieux Pont 5B-7900 LEUZE EN HAINAUT	FEVIA	Agro-alimentaire
NGK Europe (anciennement NGK Ceramics Europe) S.A.	NGKRue des Azalées 1,B-7331 BAUDOUR (Saint-Ghislain)	FBB-FEDICER	Briques- céramiques
Yara Tertre S.A (anciennement Kemira Growhow SA)	YARA Rue de la Carbo, 10B-7333 TERTRE	ESSENSCIA	Chimie
Erachem Comilog SA	ERACHEMRue du Bois 7334 SAINT GHISLAIN	ESSENSCIA	Chimie
Imerys Minéraux Belgique SA	IMERYSRue du canal 2B-4600 LIXHE	FORTEA	Carriéres
Entité IDEM PAPERS	·		
Idem papers	IDEMPAPERS VIRGINALRue d'Asquempont , 2, B-1460 ITTRE	COBELPA	Papier
Idem papers	IDEMPAPERS NIVELLESRue des Déportés, 12B-1400 Nivelles	COBELPA	Papier
Knauf Insulation S.A	KNAUFRue de Maestricht, 95 B-4600 VISE	FIV	Verre
3B Fibreglass SPRL	3B FibreglassRoute de MaestrichtB-4651 BATTICE	FIV	Verre
Burgo Ardennes S.A	BURGORue de la PapeterieB- 6760 VIRTON	COBELPA	Papier
GSK Biologicals S.A	GSK WAVRErue Fleming 1 B-1300 WAVRE	ESSENSCIA	Chimie
GSK Biologicals S.A	GSK RIXENSARTrue de l'Institut 89 B-1330 RIXENSART	ESSENSCIA	Chimie
Sonaca S.A	SONACAroute nationale,5 B-6041 GOSSELIES	AGORIA	Fabrications métalliques et électriques
Techspace Aero S.A	TECHSPACEroute de Liers 121 B-4041 MILMORT	AGORIA	Fabrications métalliques et électriques
Inbev S.A	INBEVavenue J. Prevert 23 B-4020 JUPILLE	FEVIA	Agro-alimentaire
SAPA EXTRUSION RAEREN S.A	SAPA EXTRUSIONWaldstrasse 91, B-4730 RAEREN	AGORIA	Fabrications métalliques et électriques
PURATOS S.A	PURATOSRue Bourrie, B-5300 ANDENNE	FEVIA	Agro-alimentaire
Entité CARMEUSE			
Carmeuse S.A	CARMEUSE AISEMONTRue de Boudjesse 1, AisémontB-5070 FOSSES-LA-VILLE	CARMEUSE	Carriéres
Carmeuse S.A	CARMEUSE MOHARue Val Notre Dame 300, B-4520 MOHA	CARMEUSE	Carriéres
Carmeuse S.A	CARMEUSE SEILLESRue du château 13AB-5300 SEILLES	CARMEURS	Carriéres
MOLKEREI - LAITERIE DE WALHORN S.A.	MOLKEREIMolkereiweg, 14B-4711 WALHORN	FEVIA	Agro-alimentaire
CORMAN S.A	CORMANRue de la Gileppe 4,B-7834 GOE	FEVIA	Agro-alimentaire
BAXALTA	BAXTERBId René Branquart 80B-7860 LESSINES	ESSENSCIA	Chimie
Ideal Fibers & Fabrics	IDELA FIBERS Route des Ecluses, 52B-7780 COMINES	FEDUSTRIA	Bois, textiles,ameublement
Sioen Industries SA	SIOEN INDUSTRIESZone Industrielle du Blanc BallotBoulevard Metropole, 9B-7700 MOUSCRON	FEDUSTRIA	Bois, textiles,ameublement

Beaulieu Technical Textiles SA (anc. Ideal Fibers & Fabriccs Komen SA)	BEAULIEU-T-TBoulevard Industriel, 3B-7780 COMINES	FEDUSTRIA	Bois, textiles,ameublement
Spanolux SA	SPANO INVESTZone Industrielle de Burtonville, 10B-6690 VIELSALM	FEDUSTRIA	Bois, textiles,ameublement
Solarec SA	SOLARECRoute de Saint-Hubert, 75B-6800 RECOGNE	FEVIA	Agro-alimentaire
Européenne de Lyophilisation SA	EDEL Rue de Wallonie 16, B-4460 GRACE-HOLLOGNE	FEVIA	Agro-alimentaire
Dumoulin SA	DUMOULIN INTERAGRIRue Bourrie, 18B-5300 SEILLES	FEVIA	Agro-alimentaire
Ahlstrom Malmedy SA	AHLSTROM MALMEDYAvenue du Pont de Warche 1, B-4960 MALMEDY	COBELPA	Papier
Gabriel Technologie SA	GABRIEL TECHNOLOGIERue des Roseaux 1, B-7331 SAINT-GHISLAIN	ESSENSCIA	Chimie
Mactac Europe S.A	MACTACBId J.Kennedy 1 - B-7060 SOIGNIES	FETRA FELBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
Nexans Benelux S.A.	NEXANS MARCINELLERue Vital Françoisse, 218 B-6001 MARCINELLE	AGORIA	Fabrications métalliques et électriques
Nexans Benelux S.A.	NEXANS DOURRue Benoît, 1 B-7370 ELOUGES	AGORIA	Fabrications métalliques et électriques
MC BRIDE SA	MC BRIDERue du Moulin Masure, 4 B-7730 ESTAIMPUIS	ESSENSCIA	Chimie
Helio Charleroi S.A	HELIOZONING INDUSTRIEL, Avenue de Spirou, 23 B-6220 FLEURUS	FETRA-FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
Magolux S.A	MAGOLUXRue de la Hart, 1 B-6780 MESSANCY	AGORIA	Fabrications métalliques et électriques
Mydibel S.A	MYDIBELRue du Piro Lannoy, 30 B-7700 MOUSCRON	FEVIA	Agro-alimentaire
Cosucra Groupe Warcoing S.A	COSUCRA WARCOINGRue de la Sucrerie, 1 B-7740 WARCOING	FEVIA	Agro-alimentaire
Dicogel S.A	DICOGELParc IndustrielRue de la Bassée, 3B-7700 MOUSCRON	FEVIA	Agro-alimentaire
Imperbel S.A	IMPERBELChaussée de Wavre, 13 B-1360 PERWEZ	ESSENSCIA	Chimie
Chemviron Carbon S.A.	CHEMVIRON CARBONParc Industriel de FeluyZone CB-7181 FELUY	ESSENSCIA	Chimie
Beneo-Orafti S.A	ORAFTIRue Louis Maréchal, 1 B-4360 OREYE	FEVIA	Agro-alimentaire
TEC Charleroi	TEC CHARLEROIPlace des Tranways 9/1 B- 6000 Charleroi	Spécifique TEC	Transport
Entité SAGREX	<u> </u>		
Sagrex	SAGREX QUENASTRue de RebecqB-1430 QUENAST	FEDIEX	Carriéres
Sagrex	SAGREX BEEZ RUE DES GRANDS MALADES B - 5000 BEEZ	FEDIEX	Carriéres
Sagrex	CARRIERES LEMAY (SAGREX VAULX°Vieux Chemin de Mons 12B-7536 VAULX	FEDIEX	Carriéres
Sagrex	ENROBES DU BASSIN DE L'ESCAUTBE0447354201	FEDIEX	Carriéres
Sagrex	SAGREX LUSTIN	FEDIEX	Carriéres
Sagrex	SAGREX MARCHE LES DAMES	FEDIEX	Carriéres
Sagrex	SAGREX MONCEAU SUR SAMBRE	FEDIEX	Carriéres
Sagrex	CARRIERES ANTOINGRue du coucou,8B-7640 ANTOING	FEDIEX	Carriéres
Briqueterie de Ploegsteert S.A	PLOEGSTEERT BARRYChaussée de Bruxelles, 33B-7534 BARRY	FBB-Fedicer	Briques- céramiques
Briqueterie de Ploegsteert S.A	PLOEGSTEERT AFMA & BRISTALRue du Touquet 228B-7783 PLOEGSTEERT	FBB-Fedicer	Briques- céramiques
Gramybel S.A	GRAMYBELBId de l'Eurozone, 80 B-7700 MOUSCRON	FEVIA	Agro-alimentaire
Wienerberger Mouscron S.A	WIENERBERGER MOUSCRON RUE DE LA ROYENNE 55 B - 7700 MOUSCRON	FBB-Fedicer	Briques- céramiques
Entité RAFFINERIE			
TIRLEMONTOISE			
Raffinerie Tirlemontoise S.A	RAFFINERIE WANZERUE DE MEUSE 9 B - 4520 WANZE	FEVIA	Agro-alimentaire
Raffinerie Tirlemontoise S.A	RAPERIE DE LONGCHAMPS	FEVIA	Agro-alimentaire
Detry Freres S.A	DETRY AUBEL RUE DE MERCKHOF 110 B - 4880 AUBEL	FEVIA	Agro-alimentaire
Materne-confilux S.A	MATERNE FLOREFFE ALLEE DES CERISIERS 1 B-5150 FLOREFFE	FEVIA	Agro-alimentaire
Coca Cola entreprises Belgique S.A	COCA COLA CHAUDFONTAINE RUE DU CRISTAL 7 B - 4050 CHAUDFONTAINE	FEVIA	Agro-alimentaire
Briqueterie de Peruwelz SA	WIENERBERGER PERUWELZ Rue de l'Europe,11 B - 7600 PERUWELZ	FBB-Fedicer	Briques- céramiques
Carrières du Hainaut SA	CARRIERE HAINAUT Rue de Cognebeau,245 B - 7060 SOIGNIES	FEDIEX	Carriéres
Cargill chocolate products S.A	CARGILL CHOCOLATEDréve de Gustave Fache,13B - 7700 LUINGNE	FEVIA	Agro-alimentaire
Rosier S.A	ROSIERRue du Berceau, 1B - 7911 MOUSTIER	ESSENSCIA	Chimie
RKW Ace S.A	RKW ACERue de Renory,499B - 4031 ANGLEUR	ESSENSCIA	Chimie
Tensachem S.A	TENSACHEMRue de Renory,284102 OUGREE	ESSENSCIA	Chimie

Fonderies marichal ketin S.A	FONDERIES MARICHAL KETINVerte Voie, 394000 LIEGE	AGORIA	Fabrications métalliques et électriques
Entité VANDEPUTTE			
Vandeputte	HUILERIES SAVONNERIES VANDEPUTTEBoulevard Industriel 120B-7700 MOUSCRON	ESSENSCIA	Chimie
Vandeputte	VANDEPUTTE OLEACHEMICALSBoulevard Industriel 120B-7700 MOUSCRON	ESSENSCIA	Chimie
CARMEUSE S.A	CARMEUSE ENGISChaussée de Ramioul 1B-4480 ENGIS	FEDIEX	Carriéres
TERBEKE - Les Nutons S.A	LES NUTONSChemin Saint Antoine, 85B-6900 MARCHE EN FAMENNE	FEVIA	Agro-alimentaire
TERBEKE - Come a casa	Come a casa Chaussée de Wave, 259aB-450 WANZE	FEVIA	Agro-alimentaire
VPRINT S.A	VPRINTBoulevard industriel,95B-7700 MOUSCRON	FETRA-FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
DUROBOR S.A	DUROBORRue mademoiselle Hanicq, 39B-7060 SOIGNIES	FIV	Verre
REMY ROTO S.A	REMY ROTORue de Rochefort,211B-5570 BEAURAING	FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
VALEO VISION S.A	VALEO VISION BELGIUMRue du Parc Industriel,31B-7822 MESLIN-L'EVEQUE	AGORIA	Fabrications métalliques et électriques
AUTOMOTIVE BELGIUM	AGC AUTOMOTIVEAvenue du Marquis B- 6220 FLEURUS	FIV	Verre
LOVENFOSSE S.A	LOVENFOSSERue Merckhof 110B-4880 AUBEL	FEVIA	Agro-alimentaire
EMERSON CLIMATE TECHNOLOGIES GMBH	EMERSON CLIMATE TECHNOLOGIES Rue des 3 Bourdons 27B-4840 WELKENRAEDT	AGORIA	Fabrications métalliques et électriques
OPTICABLE S.A	OPTICABLERue de l'Europe 1B-7080 FRAMERIES	AGORIA	Fabrications métalliques et électriques
AW Europe S.A.	AW EUROPErue des Azalées B-7331 BAUDOUR	AGORIA	Fabrications métalliques et électriques
VANDEMOORTELE SENEFFE S.A	VANDEMOORTELE SENEFFEZoning industriel Seneffe B-7180 SENEFFE	FEVIA	Agro-alimentaire
MAMMA LUCIA S.A	MAMMA LUCIA Rue buissons aux Ioups, 9B-7180 NIVELLES	FEVIA	Agro-alimentaire
MIMA FILMS	MIMA FILMS Zoning industriel de LatourB-6761 LATOUR	ESSENSCIA	Chimie
LONZA BRAINE S.A	LONZA BRAINEChaussée de Tubize 297B-1420 BRAINE L'ALLEUD	ESSENSCIA	Chimie
GOURMAND S.A	GOURMANDDrève Gustave fache 6B-7700 LUIGNE	FEVIA	Agro-alimentaire
CALCAIRES DE LA SAMBRE S.A	CALCAIRES DE LA SAMBRERue blanc Caillou, 1B-6111 LANDELES	FEDIEX	Carriéres
UTEXBEL S.A	UTEXBELAvenur césar snoeck 30B-9600 RENAIX	FEDUSTRIA	Bois, textiles,ameublement
CRYSTAL COMPUTING SPRL	CRYSTAL COMPUTINGRue de Ghlin 100B-7311 BAUDOUR	GOOGLE	Technologie
STEF LOGISTICS	STEF LOGISTICSAvenue Zenobe gramme 23B - 1480 SAINTES	FEVIA	Agro-alimentaire
CL WARNETON	CL WARNETONChaussée de Lille,61B-7784 WARNETON	FEVIA	Agro-alimentaire
BEL'ARDENNE	BEL'ARDENNEParc artisanal de VillerouxRoute de Bastogne B-6640 VILLEROUX	FEVIA	Agro-alimentaire
PLUKON	PLUKONAvenue de l'eau vive,5B-7700 MOUSCRON	FEVIA	Agro-alimentaire
TI AUTOMOTIVE GROUP SYSTEM S.A	TI AUTOMOTIVERue Wérihet 61B-4020 LIEGE	AGORIA	Fabrications métalliques et électriques
NEKTO	NEKTORue du clypot,3B-7063 NEUFVILLES	FEDUSTRIA	Bois, textiles,ameublement
BELREF	BELREFRue de la Rivièrette 100B-7330 SAINT GHISLAIN	FBB FEDICER	Brigues- céramigues
CARRIERES ET ENTREPRISES MARCEL BERTHE	CARRIERES MARCEL BERTHERoute de Corenne 60B-5620 FLORENNES	FEDIEX	Carriéres
TRAITEX	TRAITEXRue de Limbourg 145B-4800 VERVIERS	FEDUSTRIA	Bois, textiles,ameublement
IWAN SIMONIS S.A	IWAN SIMONISRue de Renoupré 2B-4821 ANDRIMONT	FEDUSTRIA	Bois, textiles,ameublement
EPUR'AUBEL	EPUR'AUBELRue Kan 63B-4880 AUBEL	FEVIA	Agro-alimentaire
GHL GROUP S.A	GHL GROUPRue de Merckhod 113B-4880 AUBEL	FEVIA	Agro-alimentaire
AUREA SPRL	AUREA Rue du château d'eau 29B-1420 BRAINE L'ALLEUD	ESSENSCIA	Chimie
CARTONNERIES THULIN S.A	CARTONNERIES THULINHameau de Debiham 20B-7350 THULIN	ESSENSCIA	Chimie
JINDAL FILMS EUROPE	JINDAL FILMSZoning artisanal LATOURB-6761 VIRTON	ESSENSCIA	Chimie
LAMBIOTTE S.A	LAMBIOTTE	ESSENSCIA	Chimie
PB CLERMONT	PB CLERMONTRue de Clermont 176B-4460 ENGIS	ESSENSCIA	Chimie
JTEKT TORSEN EUROPE S.A	JTEKT TORSEN Rue du grand peuplier 11B-7110 STREPY BRACQUEGNIES	AGORIA	Fabrications métalliques et électriques
Carmeuse S.A	CARMEUSE FRASNES	FEDIEX	Carriéres
BRU CHEVRON	BRU CHEVRONRue de la bruyère 151B-4987 STOUMONT	FEVIA	Agro-alimentaire
			7.9.0 4

BIERES DE CHIMAY S.A	BIERES DE CHIMAYroute de charlemagne 8B-6464 FORGES	FEVIA	Agro-alimentaire
BELOURTHE S.A	BELOURTHEavenue des villas 3B-4180 HAMOIR	FEVIA	Agro-alimentaire
BISCUITS DELACRE	BISCUITS DELACRERue de Wegnez 11B-4800 LAMBERMONT	FEVIA	Agro-alimentaire
BELGOMALT S.A	BELGOMALTChaussée de Charleroi 40B-5030 GEMBLOUX	FEVIA	Agro-alimentaire
HERITAGE 1466 S.A	HERITAGE 1466Rue de Charneux 32B-4650 HERVE	FEVIA	Agro-alimentaire
SUCRERIE COUPLET S.A	SUCRERIE COUPLETRue de la sucrerie 30B-7620 BRUNEHAUT WEZ	FEVIA	Agro-alimentaire
ROGER & ROGER S.A	ROGER & ROGERRue de la bassee 1B-7700 MOUSCRON	FEVIA	Agro-alimentaire
ARCELOR RINGMILL	ARCELOR RINGMILLRue Philippe de Marnix 3B-4100 SERAING	AGORIA	Fabrications métalliques et électriques
STASSEN S.A	STASSENRue Kan, 7B-4880 AUBEL	FEVIA	Agro-alimentaire
HEIMBACH SPECIALITIES	HEIMBACHTulje 65B-4721 NEU-MORESNET	FEDUSTRIA	Bois, textiles,ameublement
Cosucra Groupe Warcoing S.A	COSUCRAsite de Provital	FEVIA	Agro-alimentaire
SAPA RC PROFILES S.A	SAPA RCSite de GhlinRoute de wallonie 1 B-7011 GHLIN	AGORIA	Fabrications métalliques et électriques
NESTLE WATERS BENELUX	NESTLERue du bois,100B-6740 ETALLE	FEVIA	Agro-alimentaire
AIGREMONT	AIGREMONTRue des Awirs 8B-4400 FLEMALLE	FEVIA	Agro-alimentaire
HESBAYE FROST	HESBAYE FROSTRue E. Lejeune 20B-4250 GEER	FEVIA	Agro-alimentaire
FERRARI GRANULATS	FERRARI GRANULATSRue Bay-Bonnat 13B-4870 TROOZ	FEDIEX	Carriéres
IMPERIAL MEAT PRODUCTS	IMPERIAL MEAT PRODUCTSRoute de la barrière 72B-6971 CHAMPLON	FEVIA	Agro-alimentaire
ROSSEL PRINTING COMPANY	ROSSEL PRINTING COMPANYAvenue Schuman 101B-1400 NIVELLES	FETRA-FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
ROYALE LACROIX	ROYALE LACROIXAvenue Théodore Gonda 4B-4400 FLEMALLE	FEVIA	Agro-alimentaire
Sagrex	CIMESCAUT MATERIAUXRue du coucou 37B-76040 ANTOING	FEDIEX	Carriéres
ARCELORMITTAL BELGIUM SA	ARCELOR MITTAL BELGIUMMaréchalfoch 11B-4400 Flemalle	GSV	Sidérurgie
PASTIFICIO DELLA MAMMA	PASTIFICIO DELLA MAMMAZI des Hauts Sarts 354ème AvenueB-4040 HERSTAL	FEVIA	Agro-alimentaire
BRASSERIE DU BOCQ	BRASSERIE DU BOCQSite de PurnodeRue de la brasserie 4B-5530 PURNODE	FEVIA	Agro-alimentaire
BELDEM S.A	BELDEM Site de Saint VithRue de Prum 51B-4780 SAINT VITH	FEVIA	Agro-alimentaire
BRASSERIE LEFEBVRE	BRASSERIE LEFEBVREChemin du Croly,541430 REBECQ	FEVIA	Agro-alimentaire
AW Europe S.A.	AW EUROPE BRAINE L'ALLEUDAvenue de l'indusitrie,19-1420 BRAINE L'ALLEUD	AGORIA	Fabrications métalliques et électriques
BIERES DE CHIMAY S.A	BIERES DE CHIMAYRoute Charlemagne,8-6464 BAILLEUX	FEVIA	Agro-alimentaire
UMICORE	UMICORE Rue de Chenee,53/1B-4031 ANGLEUR	AGORIA	Fabrications métalliques et électriques
Holcim S.A	HOLCIM OBOURGRue des fabriques 27034 OBOURG	FEBELCEM	Cimenteries
Kabelwerk Eupen A.G.	KABELWERK EUPEN (TUBE)Malmedystrasse 9B- 4700 EUPEN	AGORIA	Fabrications métalliques et électriques
Kabelwerk Eupen A.G.	KABELWERK EUPEN (CABLES)Malmedystrasse 9B- 4700 EUPEN	AGORIA	Fabrications métalliques et électriques
STOCKHABO SPRL	STOCKHABODrève Gustave Fache 157700 MOUSCRON	FEVIA	Agro-alimentaire
5N PLUS BELGIUM SA	Rue de la Station 7B-1495 TILLY	ESSENSCIA	Chimie
ZOETIS BELGIUM S.A	ZOETISRue laid burniat,1B-1348 LOUVAIN LA NEUVE	ESSENCIA	Chimie
DELABIE S.A	DELABIEBoulevard de l'Eurozone 9B-7700 MOUSCRON	FETRA-FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
BELGIAN FIBERS MANUFACTURING SA	BELGIAN FIBERS MANUFACTURING SABoulevard Industriel 91B-7700 MOUSCRON	FEDUSTRIA	Bois, textiles,ameublement
PROCOPLAST	PROCOPLAST SASchnellewindgasse 17 B-4700 EUPEN	ESSENSCIA	Chimie
ZINACOR SA	ZINACOR Rue de Chênée 53,4031 Angleur	AGORIA	Fabrications métalliques et électriques
NYCO-STPC SA	NYCO STPC Rue de l'ancienne Potence, 22 7503 FROYENNES	ESSENSCIA	Chimie
DEVAGEL	DEVAGELRue des Garennes 12-7700 MOUSCRON	FEVIA	Agro-alimentaire
Entité CABOT PLASTICS			
CABOT PLASTICS	CABOT PLASTICS - site de loncinRue E. Vandervelde 131-4431 LONCIN	ESSENSCIA	Chimie
CABOT PLASTICS	CABOT PLASTICS - site de PepinsterRue Prevochamps 78-4860 PEPINSTER	ESSENSCIA	Chimie
HOGANAS BELGIUM S.A	HOGANAS BELGIUMRueLLE Gros Pierre 10B-7800 ATH	ESSENCSCIA	Chimie
	SMURFITKAPPARue de Douvrain 197011 GHLIN	FETRA FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques

PROCOTEX CORPORATION S.A.	PROCOTEX CORPORATIONRue Théodor Kluber 87711 DOTTIGNIES	FEDUSTRIA	Bois, textiles,ameublement
ECOFROST SA	ECOFROST Rue de l'Europe 347600 PERUWELZ	FEVIA	Agro-alimentaire
BRIDGESTONE AIRCRAFT TIRE (EUROPE) SA	BRIDGESTONE Route de Bavay 27080 Frameries	ESSENSCIA	Chimie
AGC Glass Europe SA	Site de LodelinsartAvenue J. Monnet, 4 1348 Louvian la Neuve	FIV	Verre
AGC Glass Europe SA	Site de Seneffe1348 Louvian-la-NeuveRue Jules Bordet, zone C7180 Seneffe	FIV	Verre
NOMACORC SA	Rue des Alouettes 04041 MILMORT	ESSENSCIA	Chimie
NOMACORC SA	Chemin de Xhénorie 74890 THIMISTER	ESSENSCIA	Chimie
HYDROMETAL	HYDROMETALRue de Parc Industriel3B-4480 ENGIS	ESSENSCIA	Chimie
NMC SA	NMCRovert 10B-4731 EYNATTEN	ESSENSCIA	Chimie
STERIGENICS SA	STERIGENICSAvenue André Ernst 214800 VERVIERS	ESSENSCIA	Chimie
CARTONNAGE LAMMERANT	CARTONNAGE LAMMERANTZI DE L'EUROPE 37900 LEUZE-EN-HAINAUT	FETRA FEBELGRA	Ind. Transform. Papier/cartons,Ind. Graphiques
DAWN FOODS BELGIUM	DAWN FOODS BELGIUMRue du Chenia 107170 Manage	FEVIA	Agro-alimentaire
STOW INTERNATIONAL	Stow International Avenue du Bois Jacquet 10/7711 Dottignies	AGORIA	Fabrications métalliques et électriques
DERKENNE COULINNE	DERKENNE COULINERue champs de Tignée 74671 BARCHON	ESSENSCIA	Chimie
CAFE LIEGEOIS	CAFE LIEGEOISRue de Verviers 1814651 BATTICE	ESSENSCIA	Chimie
Slicing Packing Fun & Many More	Slicing Packing Fun & Many MoreVecmont 21, 6980 La-Roche-en-Ardenne	ESSENSCIA	Chimie
Asten Johnson GmbH	Asten Johnson GmbHBushberger Weg 46 4701 Eupen	ESSENSCIA	Chimie
Stall Bois	StallboisRue belle vue 26740 ETALLE	ESSENSCIA	Chimie
GSK Biologicals S.A	GSK BIOLOGICALS - site Les ISNESRue de Genonceaux 135032 LES ISNES	FETRA FEBELGRA	Ind. Transform. Papier/cartons, Ind. Graphiques
SYNGENTA CHEMICALS	SYNGENTARue de Ty Berchamps 377180 SENEFFE	FEVIA	Agro-alimentaire
TIMAC AGRO	TIMAC AGROrue de la jonction 46030 MARCHIENNE AU PONT	AGORIA	Fabrications métalliques et électriques
HUSQVARNA	HUSQVARNAAvenue des artisans 507822 ATH	FEVIA	Agro-alimentaire
Mölnlycke Health Care SA	MOLNLYCKE HEALTH CAREChaussée Romaine 1764300 Waremme	FEVIA	Agro-alimentaire
Les Ateliers Jean Regniers ASBL	LES ATELIERS JEAN REGNIERSRue Baronne E. DRORY 56543 BIENNE LEZ HAPPART	FEVIA	Agro-alimentaire
BELGIAN QUALITY FISH S.A	BELGIAN QUALITY FISHRue Théodor Kluber 47711 DOTTIGNIES	FEDUSTRIA	Bois, textiles, ameublement
MALTERIE DU CHÂTEAU	MALTERIE DU CATEAURue de Mons 947970 BELOEIL	FEDUSTRIA	Bois, textiles, ameublement
BRASSERIE ORVAL	BRASSERIE D'ORVALCabien centre dépuration6823 VILLERS DEVANT ORVAL	ESSENSCIA	Chimie
THALES ALENIA SPACE BELGIUM	THALES ALENIARue chapelle beaussart 1016032 MONT SUR MARCHIENNE	ESSENSCIA	Chimie
NETWORK RESEARCH BELGIUM	NRBParc industriel de hauts Sarts, 654040 HERSTAK	ESSENSCIA	Chimie
ATELIERS DU MONCEAU	ATELIERS DU MONCEAURue de l'avenir 754460 GRACE HOLLOGNE	AGORIA	Fabrications métalliques et électriques
CARRIERES UNIS DE LA PORPHYRE	CARRIERES PORPHYREChaussée Maieur Habils 1771430 BIERGHES	FETRA FEBELGRA	Ind. Transform. Papier/cartons, Ind. Graphiques
CARRIERES UNIS DE LA PORPHYRE	CARRIERES PORPHYREChaussée Gabrielle Richet 193B7860 LESSINES	FEDUSTRIA	Bois, textiles, ameublement
COEFLY DATA SOLUTIONS	COFELYRue Guillaume Fouquet 175032 LES ISNES	FEVIA	Agro-alimentaire
ELPRINTA	ELPRINTARue des Bengalis 57700 MOUSCRON	FEVIA	Agro-alimentaire
LANOLINES STELLA	LANOLINESRue des Garennes 67700 MOUSCRON	FEVIA	Agro-alimentaire
ADVACHEM	ADVACHEMRoute n°624 Wallonie7334 SAINT GHISLAIN	AGORIA	Fabrications métalliques et électriques
CARBODOUR	CARBODOURrue de la Carbo,107333 TERTRE	AGORIA	Fabrications métalliques et électriques
CARBODOUR	CARBODOURrue de la Carbo,107333 TERTRE	AGORIA	Fabrications métalliques et électriqu

Annex 4 - International statistics relating to GOL

Les statistiques ci-dessous sont les statistiques officielles de l'Association of Issuing Bodies (AIB) pour l'année 2015 pour la Wallonie. De nouvelles garanties d'origine sont inscrites dans le registre wallon lors des émissions (issue) et importations (import); des garanties d'origine existantes sont rayées du registre lors des exportations (export) et annulations (cancel); les transferts (transfer) indiquent un changement de propriétaire ou de détenteur dans le registre wallon. Les annulations ex-domain ne figurent pas dans ce tableau. Seules les garanties d'origine émises sous le régime de reconnaissance mutuelle intitulé European Energy Certificate System (EECS) établi par l'Association of Issuing Bodies (AIB) sont reprises ci-dessus. Les sites de production wallons pour lesquels les propriétaires n'avaient pas encore accepté les conditions générales requises par l'AIB au moment de leur émission ne figurent donc pas dans ces statistiques (la plupart l'ont fait en 2013).

Belgium (Wallonia)		Production			Transaction							
	2016	Issue	Expire	Cancel	Issue	Transfer	Export (Ex-BE)	Export (BE)	Import (BE)	Import (ex-BE)	Expire	Cancel
Wind	Wind onshore	0	0	168 822	0	0	18 004	51 087	324 437	50 770	1	207 035
Wind	Wind offshore	0	0	242 310	0	0	7 609	55 419	321 426	7 607	0	274 005
Wind	Wind unknown	1 289 752	39 191	332 371	1 522 202	2 141 060	95 668	1 230 950	298 674	234 666	109 613	677 526
Hydropower	Hydro/marine	284 063	566	1 707 874	289 215	822 288	8 891 245	1 780 845	2 698 462	12 531 684	152 269	3 052 107
Unspecified	Unspecified renewable energy	0	0	0	0	0	0	0	0	0	0	0
Solar	Solar	0	0	45 646	0	0	0	100 612	5 611	120 519	0	0
Geothermal	Geothermal	0	0	0	0	0	0	0	0	0	0	0
Biomass	Solid agricultural biomass (inc. energy crops)	24 766	1 057	46 691	26 523	1 465	190 431	111	16 301	619 610	21 404	446 446
Biomass	Solid agricultural products	0	1 357	49 667	0	0	24 000	153 627	121 476	174 136	0	116 628
Biomass	Solid renewable fuels (inc. For&Ag bp & w)	0	3 991	40 937	0	7 718	0	47 230	34 543	20 920	515	3718
Biomass	Solid forestry products	0	0	6 745	0	1 750	0	1 262	0	3 867	700	1 905
Biomass	Solid forestry byproducts & waste	0	0	25 894	0	0	0	12 197	72 921	21 585	0	80 839
Biomass	Gas landfill	463 513	0	16 332	556 295	0	0	18 819	0	20 751	0	262 658
Biomass	Gas sewage	196 309	592	85 804	203 367	404 568	4	141 685	29 363	68 996	36 331	119 663
Biomass	Gas other biogas	45 579	0	32 471	70 842	68 447	6 932	3 962	9 535	0	6 475	55 655
Biomass	Solid municipal biogenic waste	0	0	0	0	18	0	251	0	1 007	326	430
Biomass	Liquid renewable fuels (inc. Mun.waste)	29 765	1 261	126 943	29 599	46 280	19 332	37 670	135 230	15 659	4 2 1 9	119 558
Biomass	Liquid black liquor	0	0	34 614	0	6 762	0	15 629	22 318	41 737	6 415	72 482
Biomass	Solid unspecified wood	0	0	0	0	0	0	0	0	0	0	0
Biomass	Solid industrial & commercial waste	0	0	0	0	0	0	0	0	18 205	0	18 205
Nuclear	Unknown	0	0	0	0	0	0	0	0	0	0	0
Fossil	Unknown	0	0	0	0	0	0	0	0	0	0	0
		2 333 747	48 749	3 030 503	2 698 096	3 502 604	9 253 225	3 752 244	4 221 611	14 111 041	345 557	5 748 727

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