



National plan for increasing the number
of nearly zero-energy buildings in
Portugal

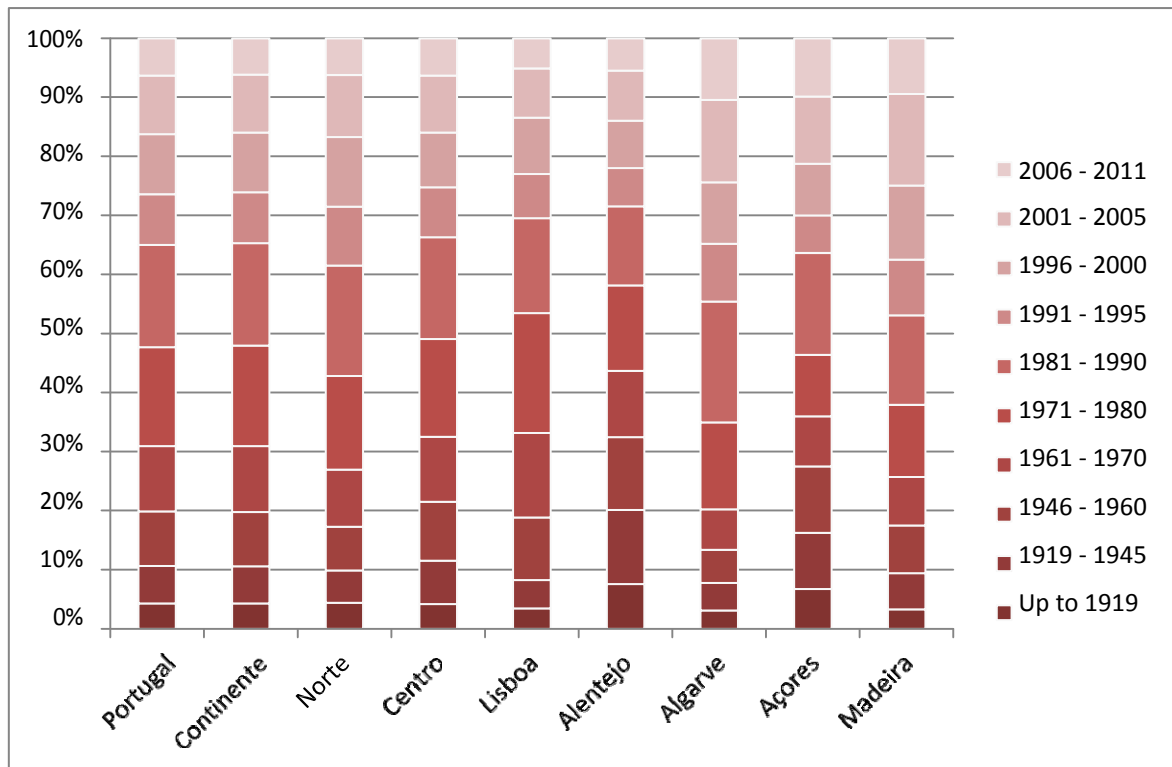


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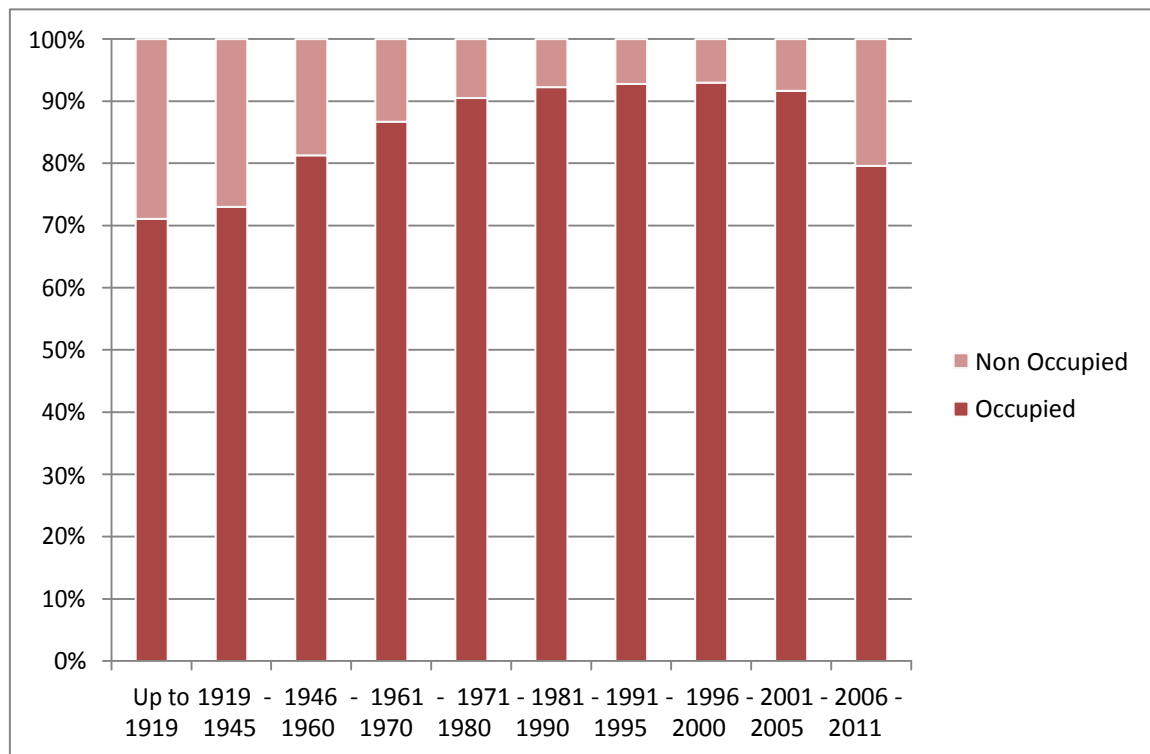
1 Starting point

The following graph shows national residential buildings, classified by periods of construction and shows that nearly 50% of dwellings are from before 1990, indicating the potential that these buildings have for energy efficiency renewal.



Key	
Continente	Mainland
Norte	North
Centro	Centre
Lisboa	Lisbon
Açores	Azores

Another of the relevant variables relates to the percentage of buildings which are occupied. Regardless of possible readings on the impact which the economic slowdown has on the number of unoccupied dwellings, it is important to take an identical reading on the impact that the state of conservation has on the attractiveness of residential buildings. It is clear that older dwellings also have lower occupancy rates.



As such, and in a simple analysis, also framed against the absence of any energy based requirements in the construction of older buildings, it can be seen that they have significant potential for energy performance improvement.

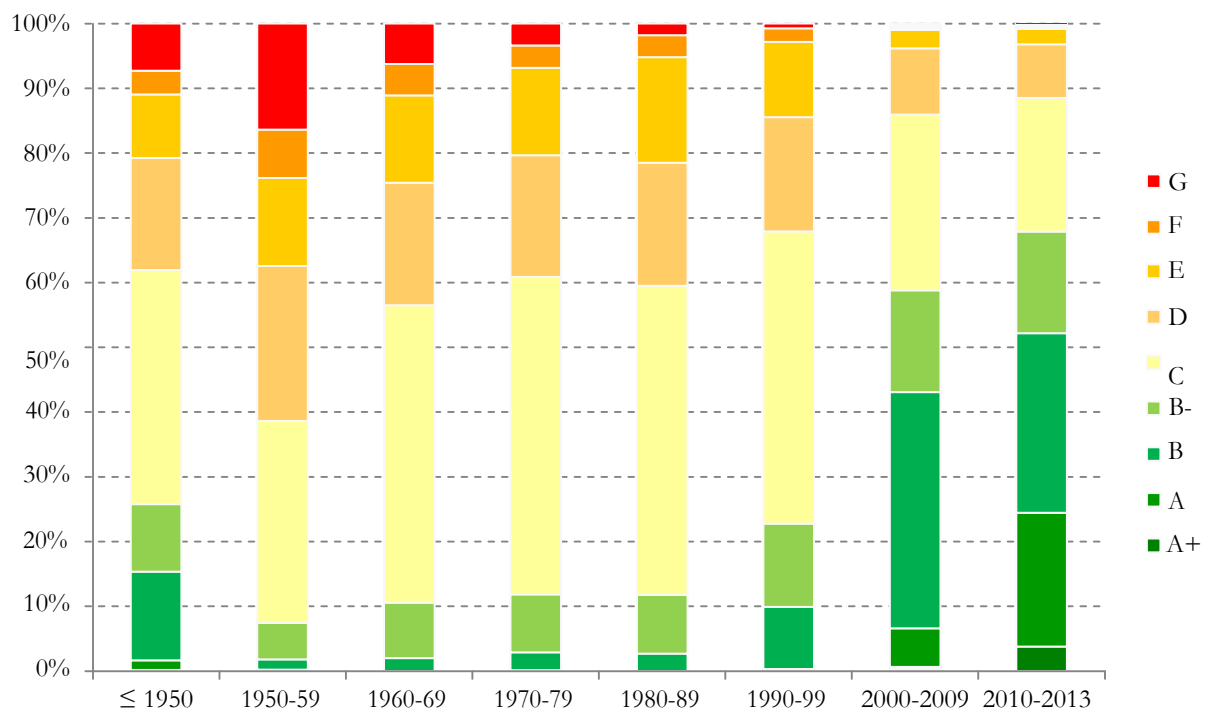
With regard to thermal behaviour requirements, the following figure shows the evolution of regulations implemented in national territory, a process which started with the publication of Decree Law No 40/90 of 6 February 1990 and culminated with the publication of Decree Law No 118/2013 of 20 August 2013.



With regard to climate control energy systems, the first legislative initiative, although unsuccessful, took place on 29 July 1992 with the publication of Decree Law No 156/92 and culminated more recently, in a similar manner to thermal behaviour, with the publication of Decree Law No 118/2013 of 20 August 2013 which brought together all matters on building energy performance in a single law.



The implementation of this legislation has resulted in an improvement of the energy performance of national buildings over the last 25 years, since the publication of the first regulation in 1990. The following graph shows the evolution of the energy performance of buildings by construction period. A clear improvement can be noted as of the 1990s, coinciding with the first regulation on the thermal behaviour characteristics of buildings, published in Decree Law No 40/90 of 6 February 1990.



With the aim of improving the energy performance of existing dwellings, Decree Law No 118/2013 of 20 August 2013 establishes that buildings undergoing renovation must, in accordance with technical viability, architectural, functional and economic criteria, seek to attain an energy performance close to that which applies to new buildings. This law establishes the goal of obtaining buildings with nearly zero energy needs.

2 Application of the definition of nearly zero-energy buildings

The above mentioned definition of NZEB, in addition to the resulting definition of this national plan, depend on numerous variables including economic and technical viability, climate, traditional construction solutions, the architecture and the type of use. As such, the setting up of a clear and objective model building with nearly zero energy needs, requires that numerous aspects relating to the building's life cycle be taken into consideration.

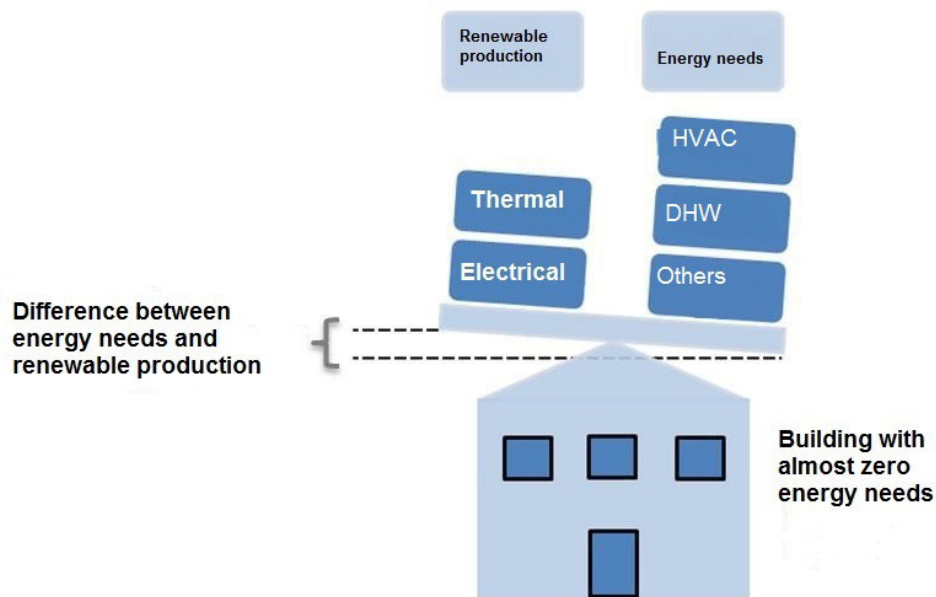
It is also important to frame the NZEB definition within different types of logic with suitable metrics to reflect the reality of new buildings and existing buildings subject to large-scale renovation. In this particular aspect, an analysis of technical and economic viability will play a vital role, setting limits which will establish a framework for such buildings, providing a definition and flexibility plan to cover both aspects but also expected NZEB future requirements.

As such, nearly zero energy buildings will be defined by Portugal very probably as a result of draft regulations such as the Regulations on Residential Building Energy Performance (REH) and the Regulations on the Energy Performance of Buildings for Commerce and Services (RECS). The energy efficiency requirements which will allow the energy needs of housing and buildings for commerce and services to be minimised, permitting them to be classified as NZEB will be drafted later based on the general requirements set out for 2015.

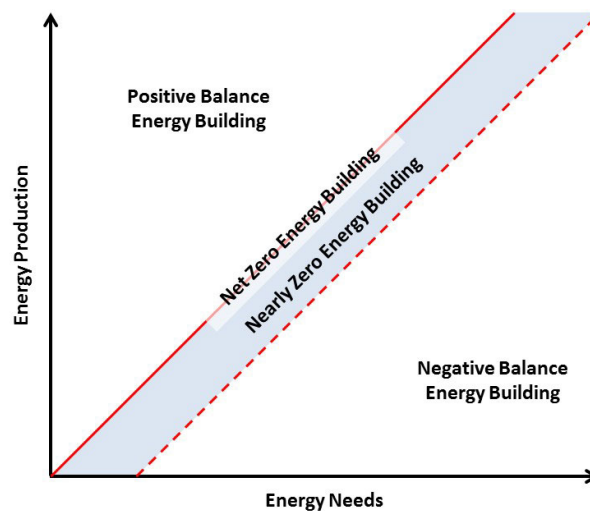
In accordance with the methodology set out in Directive No 2010/31/EU, it is also important to ensure that (nearly) all energy needs are met by using renewable energy sources, thus promoting decentralised production and local production of remaining energy needs.

The achieving of potential energy savings in existing buildings must also be considered. This will depend on the combination of energy efficiency measures and the production of energy from renewable sources which ensure compliance with established energy efficiency goals and with the best compromise between the investment cost and the cost of using the building throughout its working life.

The following figure shows one of the possible definitions of a nearly zero energy building:



Work undertaken with regard to the abovementioned regulations has led to a clear methodology for calculating the contribution of different renewable energy sources, enabling Portugal to present, in the future, a clear and objective definition of a nearly zero energy building. This definition will allow the nature and limits of requirements to be established and such regulations to be complied with or exceeded. It could even be possible to create buildings with a positive energy balance, in other words, which produce more energy than they use.



3 Intermediate targets for improving the energy performance of new buildings in order to ensure that by 31 December 2020 all new buildings are nearly zero-energy buildings

Intermediate targets exist for improving energy efficiency before 2015 so as to set out the roadmap for 2018 and 2020, as can be seen below:

The new regulatory framework laid out by Decree Law No 118/2013 of 20 August 2013, through the calculation methodology in the Regulations on Residential Building Energy Performance (REH) and Regulations on the Energy Performance of Buildings for Commerce and Services (RECS) sets out minimum requirements which, when compared to reference conditions, will allow the class of energy efficiency to be determined.

The following requirements are established for residential buildings and buildings for commerce and services:

Table 01 - Surface heat transfer reference coefficients for opaque elements and glass filled spans U_{ref}

U_{ref} [W/(m ² .°C)]		Climate Area					
Mainland Portugal							
Wall areas with openings for windows or doors:		With the entry into force of these regulations			31 December 2015		
		I1	I2	I3	I1	I2	I3
in contact with the exterior or with unused spaces with loss reduction coefficient $b_{tr} > 0.7$	Vertical opaque elements	0.50	0.40	0.35	0.40	0.35	0.30
	Horizontal opaque elements	0.40	0.35	0.30	0.35	0.30	0.25
in contact with other buildings or unused spaces with loss reduction coefficient $b_{tr} \leq 0.7$	Vertical opaque elements	1.00	0.80	0.70	0.80	0.70	0.60
	Horizontal opaque elements	0.80	0.70	0.60	0.70	0.60	0.50
Glass covered spans (doors and windows) (U_w)		2.90	2.60	2.40	2.80	2.40	2.20
Elements in contact with the ground		0.50			0.50		
The Autonomous Regions							
Wall areas with openings for windows or doors:		With the entry into force of these regulations			31 December 2015		
		I1	I2	I3	I1	I2	I3
in contact with the exterior or with unused spaces with loss reduction coefficient $b_{tr} > 0.7$	Vertical opaque elements	1.00	0.70	0.50	0.80	0.60	0.45
	Horizontal Opaque elements	0.55	0.50	0.45	0.45	0.40	0.35

in contact with other buildings or unused spaces with loss reduction coefficient $b_{tr} \leq 0.7$	Vertical opaque elements	1.60	1.50	1.40	1.50	1.40	1.30
	Horizontal opaque elements	1.00	0.90	0.80	0.85	0.75	0.65
Glass covered spans (doors and windows) (U_w)		2.90	2.60	2.40	2.80	2.40	2.20
Elements in contact with the ground		0.50			0.50		

Note: The reference requirements set out in this table may be progressively reviewed up to 2020 so as to incorporate studies on their cost-benefit, as well as on the levels defined for nearly zero energy needs buildings.

Table 02 – Minimum efficiency requirements on thermal production units

Type of equipment	Minimum efficiency class after...	
	entry into force	31 Dec 2015
Split, multi-split, VRF and compact units	C	B
Rooftop units		
Compression chiller units (Heat pump)		

Table 03 – Performance classification of split, multi-split, VRF and compact units, with air to air exchangers

Class	External air exchange units			
	Cooling		Heating	
	Split, multi-split and VRF units	Compact units	Split, multi-split and VRF units	Compact units
A	$EER > 3.20$	$EER > 3.00$	$COP > 3.60$	$COP > 3.40$
B	$3.20 \geq EER > 3,00$	$3.00 \geq EER > 2.80$	$3.60 \geq COP > 3.40$	$3.40 \geq COP > 3.20$
C	$3.00 \geq EER > 2.80$	$2.80 \geq EER > 2,60$	$3.40 \geq COP > 3.20$	$3.20 \geq COP > 3.00$
D	$2.80 \geq EER > 2.60$	$2.60 \geq EER > 2,40$	$3.20 \geq COP > 2.80$	$3.00 \geq COP > 2.60$
E	$2.60 \geq EER > 2.40$	$2.40 \geq EER > 2,20$	$2.80 \geq COP > 2.60$	$2.60 \geq COP > 2.40$
F	$2.40 \geq EER > 2.20$	$2.20 \geq EER > 2,00$	$2.60 \geq COP > 2.40$	$2.40 \geq COP > 2.20$
G	$EER \leq 2.20$	$EER \leq 2.00$	$COP \leq 2.40$	$COP \leq 2.20$

Table 04 – Performance classification of split, multi-split and compact units with air to water exchanger

Class	External water exchange units			
	Cooling		Heating	
	Split e multi-split units	Compact units	Split e multi-split units	Compact units
A	$EER > 3.60$	$EER > 4.40$	$COP > 4.00$	$COP > 4.70$
B	$3.60 \geq EER > 3.30$	$4.40 \geq EER > 4.10$	$4.00 \geq COP > 3.70$	$4.70 \geq COP > 4.40$
C	$3.30 \geq EER > 3.10$	$4.10 \geq EER > 3.80$	$3.70 \geq COP > 3.40$	$4.40 \geq COP > 4.10$
D	$3.10 \geq EER > 2.80$	$3.80 \geq EER > 3.50$	$3.40 \geq COP > 3.10$	$4.10 \geq COP > 3.80$
E	$2.80 \geq EER > 2.50$	$3.50 \geq EER > 3.20$	$3.10 \geq COP > 2.80$	$3.80 \geq COP > 3.50$
F	$2.50 \geq EER > 2.20$	$3.20 \geq EER > 2.90$	$2.80 \geq COP > 2.50$	$3.50 \geq COP > 3.20$
G	$EER \leq 2.20$	$EER \leq 2.90$	$COP \leq 2.50$	$COP \leq 3.20$

Table 05 – Performance classification of rooftop type units

Class	External air exchange units		External water exchange units	
	Cooling	Heating	Cooling	Heating
	A	$EER > 3.00$	$COP > 3.40$	$EER > 4.40$
B	$3.00 \geq EER > 2,80$	$3.40 \geq COP > 3.20$	$4.40 \geq EER > 4.10$	$4.70 \geq COP > 4.40$
C	$2.80 \geq EER > 2,60$	$3.20 \geq COP > 3.00$	$4.10 \geq EER > 3.80$	$4.40 \geq COP > 4.10$
D	$2.60 \geq EER > 2,40$	$3.00 \geq COP > 2.60$	$3.80 \geq EER > 3.50$	$4.10 \geq COP > 3.80$
E	$2.40 \geq EER > 2,20$	$2.60 \geq COP > 2.40$	$3.50 \geq EER > 3.20$	$3.80 \geq COP > 3.50$
F	$2.20 \geq EER > 2,00$	$2.40 \geq COP > 2.20$	$3.20 \geq EER > 2.90$	$3.50 \geq COP > 3.20$
G	$EER \leq 2.00$	$COP \leq 2.20$	$EER \leq 2.90$	$EER \leq 3.20$

Table 06 – Performance classification of compression heat pump chiller type units

Class	External air exchange units		External water exchange units	
	Cooling	Heating	Cooling	Heating
A	$EER \geq 3.1$	$COP \geq 3.2$	$EER \geq 5.05$	$COP \geq 4.45$
B	$3.1 > EER \geq 2,9$	$3.2 > COP \geq 3.0$	$5.05 > EER \geq 4.65$	$4.45 > COP \geq 4.15$
C	$2.9 > EER \geq 2,7$	$3.0 > COP \geq 2.8$	$4.65 > EER \geq 4.25$	$4.15 > COP \geq 3.85$
D	$2.7 > EER \geq 2.5$	$2.8 > COP \geq 2.6$	$4.25 > EER \geq 3.85$	$3.85 > COP \geq 3.55$
E	$2.5 > EER \geq 2.3$	$2.6 > COP \geq 2.4$	$3.85 > EER \geq 3.45$	$3.55 > COP \geq 3.25$
F	$2.3 > EER \geq 2.1$	$2.4 > COP \geq 2.2$	$3.45 > EER \geq 3.05$	$3.25 > COP \geq 2.95$
G	$EER < 2.1$	$COP < 2.2$	$EER < 3.05$	$COP < 2.95$

Table 07 – Minimum energy efficiency requirements for boilers

Type of equipment	Minimum efficiency class after...	
	entry into force	31 Dec 2015
Boiler	B	A

Table 08 – Nominal efficiency for boilers and water heaters

	Energy efficiency class	Nominal efficiency (η)
	Boilers	A++ (1)
A+ (2)		$96\% \geq \eta > 92\%$
A		$92\% \geq \eta > 89\%$
B		$89\% \geq \eta > 86\%$
C		$86\% \geq \eta > 83\%$
D		$83\% \geq \eta > 80\%$
E		$80\% \geq \eta > 77\%$
F		$\eta \leq 77\%$
Water heaters	Power (kW)	Efficiency
	$\leq 10\text{kW}$	≥ 0.82
	$> 10\text{ kW}$	≥ 0.84

(1) Return temperature shall be lower than 50°C (gas boilers) or 45°C (diesel boilers).

(2) The average water temperature in the boiler shall be lower than 60°C.

Note 1: Classes C to F correspond to equipment manufactured pre 1996.

Note 2: Boilers with output greater than 400 kW shall display useful efficiency greater than or equal to that required for such power.

Furthermore, the following requirements shall be implemented for commerce and services buildings:

Table 09 – Minimum energy efficiency requirements for air handling units, in accordance with standard EN 13053

Type of equipment	Minimum efficiency class after...	
	entry into force	31 Dec 2015
Air handling units	D	C

Table 10 – Energy efficiency requirements for pumps and fans

Equipment	Function	Power [kW]	Electrical Motor - Class IEC ⁽²⁾			Specific power [W/(m ³ /s)]				
			entry into force	1 January 2015	1 January 2017	entry into force	1 January 2015	1 January 2017		
Pumps	Climate control and DHW	0.75 to 7.5	IE2	IE2	IE3 ⁽¹⁾	-				
		≥ 7.5		IE3 ⁽¹⁾						
Fans	AHU and FAHU	0.75 to 7.5		IE2		IE2	IE3 ⁽¹⁾	SFP5 ≥ 2 000 – 3 000	SFP4 ≥ 1 250 – 2 000	SFP3 ≥ 750 - 1 250
	Extraction and Exhaustion	≥ 7.5		IE3 ⁽¹⁾					SFP2 ≥ 500 - 750	

(1) Level IE2, if the motor is equipped with speed change.

(2) Requirement only applicable if the motor is classified in accordance with standard IEC60034-30.

Table 11 – Maximum lighting power density (LPD) values

Type of space in accordance with function	LPD [w/m ² /100lux]		Control factor	
	Entry into force	31 Dec 2015	Occupancy Factor (FO)	Availability of natural light (FD)
Offices with more than 6 people, drawing rooms.	2.5	2.1	0.9	0.9
Individual office 1-6 people	2.8	2.4	0.9	0.9
Showrooms and exhibition rooms, museums	2.8	2.4	1.0	1.0
Classrooms, reading rooms, libraries, work support rooms, meeting/conference rooms/auditoriums	2.8	2.4	0.9	0.8
Laboratories, examination /treatment rooms (1), operating theatres (1)	2.8	2.4	1.0	1.0
Pre and post operation rooms,	4.0	3.4	0.8	0.8
Kitchens, warehouses, archives, multi-sport /gymnasiums and similar (2), technical rooms (data, photocopy centres and similar), indoor car parks	4.0	3.4	0.9	1.0
Transport platforms and similar	4.0	3.4	1.0	1.0

Shops and services, retailers in general - public areas, manufacturing areas in general	4.0	3.4	1.0	1.0
Halls/lobbies, corridors, stairs, waiting rooms, toilets, nursing wards and individual rooms in clinics and hospitals (3), canteens (except restaurants)	4.5	3.8	0.8	0.9

Notes:

- (1) The value of LPD /100lux may be adjusted in accordance with special needs.
- (2) High-competition sports arenas are excluded
- (3) Includes the installation of interior room/ward and toilet lighting, formed by general lighting, reading lighting and examination lighting
- (4) Lighting for the display cabinets for entities /companies present is excluded

Table 12 – Minimum energy efficiency requirements for lifts in accordance with standard VDI 4707

Type of equipment	Category of use	Minimum energy efficiency class after ...	
		entry into force	31 Dec 2015
Lifts	All	C	B

Table 13 – Threshold of energy class to determine PRE needs.

	To be considered after...	
	entry into force	31 Dec 2015
Minimum energy class to be achieved with PRE implementation	D	C

The requirements described above, together with the Implementing and Official Orders which are to be published in the very near future so as to allow the full implementation of the new Building Energy Certification System, thus sets out a series of intermediate requirements up to 2015 which demonstrate efforts to increase energy efficiency up to 2020 (2018 in the case of public buildings) in order to obtain nearly zero energy needs buildings.

These values have been subject to detailed and exhaustive validation through the application of cost-optimal methodology. As planned, and also in line with developments, it may be necessary to adjust the above values, reinforcing or alleviating some of the requirements.

3.1.1 Qualitative 2015 targets: Interim energy related requirements for new residential and non-residential buildings

See answer to previous question.

3.1.2 Quantitative 2015 targets: Share of nZEB according to official nZEB definition on all newly constructed buildings (define reference parameter e.g. number of buildings, floor area, volume etc.):

In addition to Decree Law No 118/2013 of 20 August 2013, more specifically with regard to the minimum requirements which buildings must comply with after its entry into force and also after 2015, extensive work has been carried out to ascertain the requirements to be implemented on NZEB in 2018 and 2020. As a result of this work, the following tables present a number of the requirements which have been assessed and which still require further analysis and validation.

Table 14 – Minimum efficiency requirements on thermal production units

Type of equipment	Minimum efficiency class after...	
	31 Dec 2018	31 Dec 2020
Split, multi-split, VRF and compact units	A	A
Rooftop units		
Compression chiller units (Heat pump)		

Table 15 – Minimum energy efficiency requirements for boilers

Type of equipment	Minimum efficiency class after...	
	31 Dec 2018	31 Dec 2020
Boiler	A+ ⁽¹⁾	A+ ⁽¹⁾

(1) - Class A, if the operating temperatures of the installation do not allow the reuse of the energy released by the condensation of combustion gases.

Table 16 – Minimum energy efficiency requirements for air handling units, in accordance with standard EN 13053

Type of equipment	Minimum efficiency class after...	
	31 Dec 2018	31 Dec 2020
Air handling units	B	A

Table 17 – Maximum lighting power density (LPD) values

Type of space in accordance with function	LPD [w/m ² /100lux]		Control factor	
	31 Dec 2018	31 Dec 2020	Occupancy FO	Availability of natural light FD
Offices with more than 6 people, drawing rooms.	1.8	1.5	0.9	0.9
Individual office 1-6 people	2.0	1.7	0.9	0.9
Show rooms and exhibition rooms, museums	2.0	1.7	1.0	1.0
Classrooms, reading rooms, libraries, work support rooms, meeting/conference rooms/auditoriums	2.0	1.7	0.9	0.8
Laboratories, examination /treatment rooms (1), operating theatres (1)	2.0	1.7	1.0	1.0
Pre and post operation rooms,	2.9	2.5	0.8	0.8
Kitchens, warehouses, archives, multi-sport /gymnasiums and similar (2), technical rooms (data, photocopy centres and similar), indoor car parks	2.9	2.5	0.9	1.0
Transport platforms and similar	2.9	2.5	1.0	1.0
Shops and services, retailers in general - public areas, manufacturing areas in general	2.9	2.5	1.0	1.0
Halls/lobbies, corridors, stairs, waiting rooms, toilets, nursing wards and individual rooms in clinics and hospitals (3), canteens (except restaurants)	3.3	2.8	0.8	0.9

NOTES:

- (1) The value of LPD /100lux may be adjusted in accordance with special needs.
- (2) High-competition sports arenas are excluded
- (3) Includes the installation of interior room/ward and toilet lighting, formed by general lighting, reading lighting and examination lighting
- (4) Lighting for the display cabinets for entities /companies present is excluded

Table 18 – Minimum energy efficiency requirements for lifts in accordance with standard VDI 4707

Type of equipment	Category of use	Minimum energy efficiency class after ...	
		31 Dec 2018	31 Dec 2020
Lifts	All	A	A

4 Intermediate targets for improving the energy performance of new buildings in order to ensure that by 31 December 2018, new buildings occupied and owned by public authorities are nearly zero-energy buildings

Minimum requirements are defined with regard to the minimum efficiency of the systems as presented previously. These requirements are identical on a technical level for both public and private buildings. The requirements on private building shall be effective in 2020 and public building as of 2018.

4.1.1 Qualitative 2015 targets: Interim energy related requirements for new public buildings

Minimum requirements are defined with regard to the minimum efficiency of the systems as presented previously.

4.1.2 Quantitative 2015 targets: Share of public nZEB according to official nZEB definition on all newly constructed public buildings (define reference parameter e.g. number of buildings, floor area, volume etc.):

Minimum requirements are defined with regard to the minimum efficiency of the systems as presented previously.

5 Policies and measures for the promotion of all new buildings being nearly zero-energy buildings after 31 December 2020

5.1 Residential buildings

5.1.1 Relevant regulations

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.1.2 Relevant economic incentives and financing instruments

Energy Efficiency Fund (EEF)
Plan for Promoting Efficiency in Consumption (PPEC)

5.1.3 Energy performance certificates' use and layout in relation to nZEB standard

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.1.4 Supervision (energy advice and audits)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.1.5 Information (tools)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.1.6 Demonstration

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.1.7 Education and training

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.2 Non-residential buildings

5.2.1 Relevant regulations

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.2.2 Relevant economic incentives and financing instruments

Energy Efficiency Fund (EEF)
Plan for Promoting Efficiency in Consumption (PPEC)

5.2.3 Energy performance certificates' use and layout in relation to nZEB standard

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.2.4 Supervision (energy advice and audits)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.2.5 Information (tools)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.2.6 Demonstration

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;

Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.2.7 Education and training

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

5.3 From your point of view, how would you evaluate the current measures that are in force? Please also try to describe the existing gap between what is in force and what should be in force in order to ensure that after 31 December 2020, all new buildings are nearly zero-energy buildings. Are there precise measures planned for the future?

The measures implemented will allow compliance with Directive 2010/27/EU. The possible review of requirements over time will allow possible adjustments to be made so as to ensure that the aims established for 2018 and 2020 are met.

6 Policies and measures for the promotion of all new buildings occupied and owned by public authorities being nearly zero-energy buildings after 31 December 2018

6.1 All new buildings occupied and owned by public authorities

6.1.1 Relevant regulations

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

6.1.2 Relevant economic incentives and financing instruments

Energy Efficiency Fund (EEF)
Plan for Promoting Efficiency in Consumption (PPEC)

6.1.3 Energy performance certificates' use and layout in relation to nZEB standard

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

6.1.4 Supervision (energy advice and audits)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

6.1.5 Information (tools)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

6.1.6 Demonstration

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;

Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

6.1.7 Education and training

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

6.2 From your point of view, how would you evaluate the current measures that are in force? Please also describe the existing gap between what is in force and what should be in force in order to ensure that after 31 December 2018, all new public buildings are nearly zero-energy buildings. Are there precise measures planned for the future?

The measures implemented will allow compliance with Directive 2010/27/EU. The possible review of requirements over time will allow adjustments to be made so as to ensure that the aims established for 2018 and 2020 are met.

7 Policies and measures for the promotion of existing buildings undergoing major renovation being transformed to nearly zero-energy buildings

7.1 Residential buildings

7.1.1 Relevant regulations

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.1.2 Relevant economic incentives and financing instruments

Energy Efficiency Fund (EEF)
Plan for Promoting Efficiency in Consumption (PPEC)

7.1.3 Energy performance certificates' use and layout in relation to nZEB standard

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.1.4 Supervision (energy advice and audits)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013, of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.1.5 Information (tools)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.1.6 Demonstration

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.1.7 Education and training

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.2 Non-residential buildings

7.2.1 Relevant regulations

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.2.2 Relevant economic incentives and financing instruments

Energy Efficiency Fund (EEF)
Plan for Promoting Efficiency in Consumption (PPEC)

7.2.3 Energy performance certificates' use and layout in relation to nZEB standard

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.2.4 Supervision (energy advice and audits)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
Official Order No 15793-E/2013 of 3 December 2013;
Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.2.5 Information (tools)

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
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Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.2.6 Demonstration

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;

Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
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Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.2.7 Education and training

Decree Law No 118/2013 of 20 August 2013;
Law No 58/2013 of 20 August 2013;
Implementing Order No 394-A/2013 of 29 November 2013;
Implementing Order No 394-B/2013 of 29 November 2013;
Implementing Order No 394-C/2013 of 29 November 2013;
Implementing Order No 394-D/2013 of 29 November 2013;
Implementing Order No 353-A/2013 of 4 December 2013;
Official Order No 15793-C/2013 of 3 December 2013;
Official Order No 15793-D/2013 of 3 December 2013;
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Official Order No 15793-F/2013 of 3 December 2013;
Official Order No 15793-G/2013 of 3 December 2013;
Official Order No 15793-H/2013 of 3 December 2013;
Official Order No 15793-I/2013 of 3 December 2013;
Official Order No 15793-J/2013 of 3 December 2013;
Official Order No 15793-K/2013 of 3 December 2013;
Official Order No 15793-L/2013 of 3 December 2013.

7.3 From your point of view, how would you evaluate the current measures that are in force? Please also try to describe the existing gap between what is in force and what should be in force in order to stimulate the transformation of buildings that are refurbished into nZEB. Are there precise measures planned for the future?

The measures implemented will allow compliance with Directive 2010/27/EU. The possible review of requirements over time will allow adjustments to be made so as to ensure that the aims established for 2018 and 2020 are met.

8 Additional Information

Nothing further to add.

9 Possible improvements

Nothing further to add.

