

# THE SPANISH EXPERIENCE: THE NATIONAL ENERGY EFFICIENCY FUND

6<sup>th</sup> PLENARY MEETING CAEED – BERLIN

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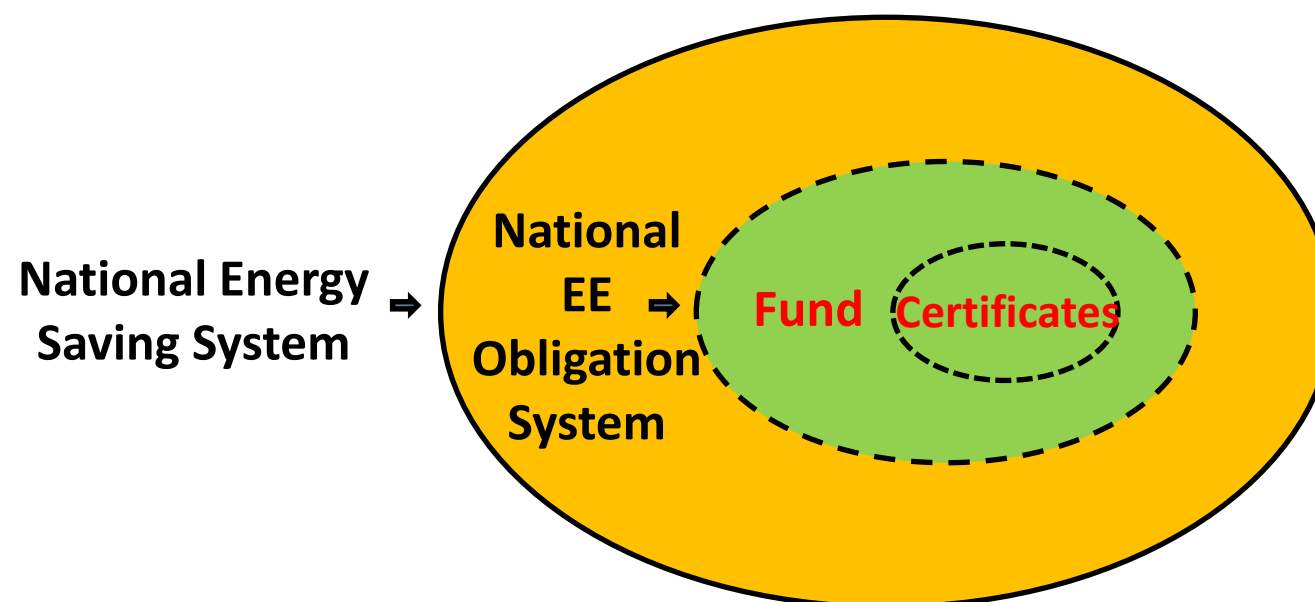
National Energy Savings System Dpt.

IDAE – Spanish Energy Agency



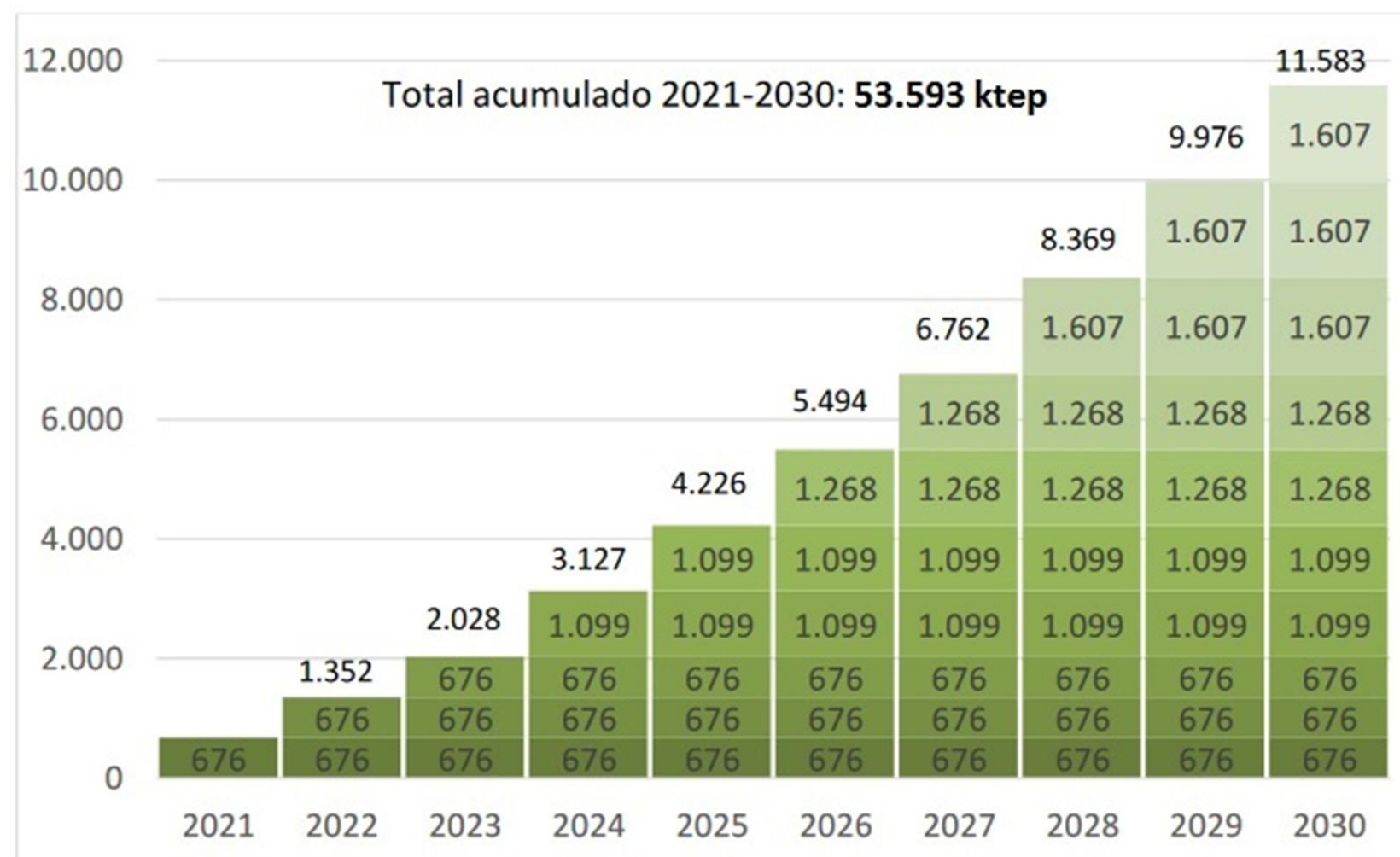
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## Article 8 in numbers:

### Cumulative end-use energy savings in Spain



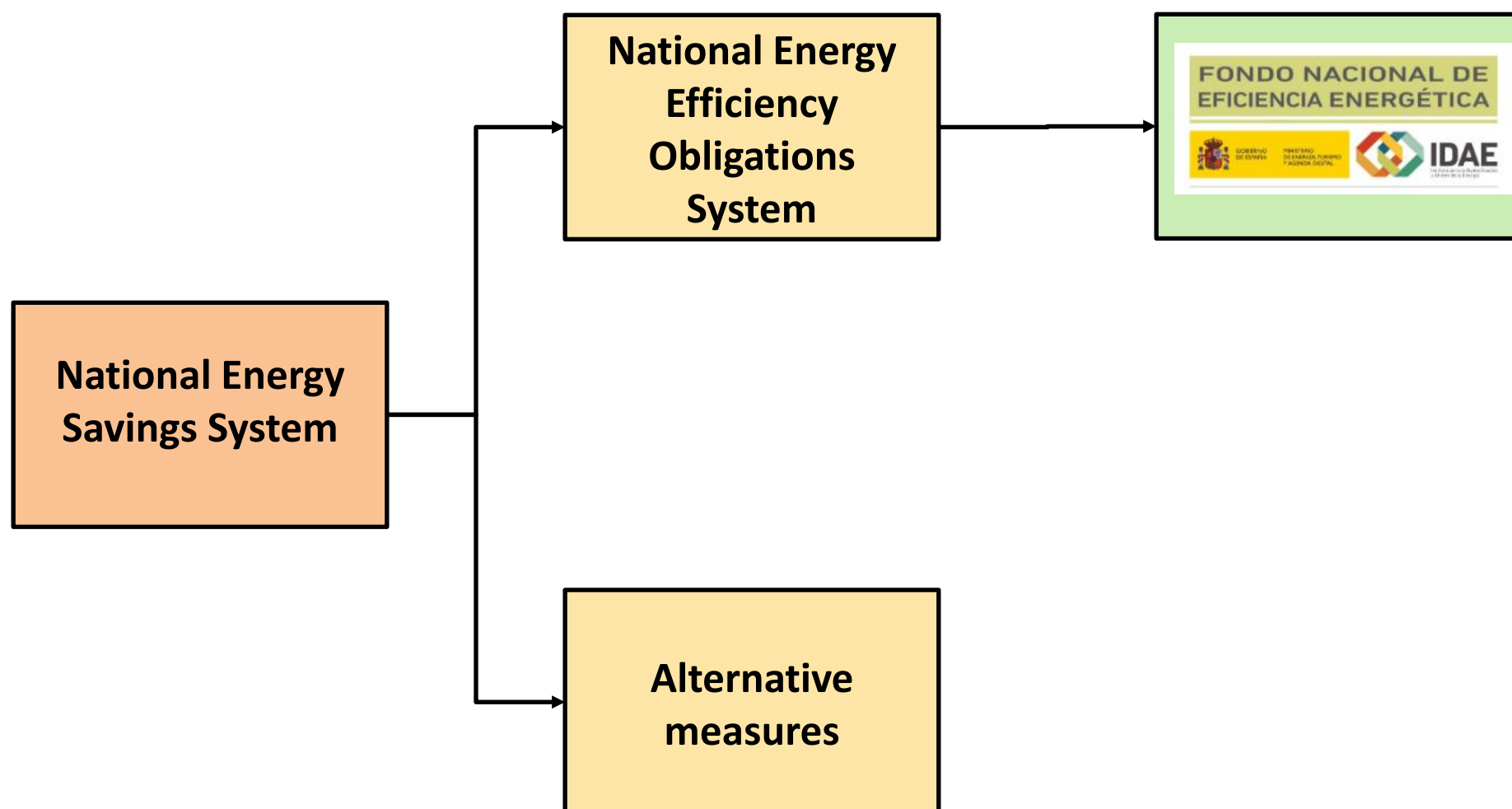
- First period 2014-2020: 15.979 ktoe cumulative end-use energy savings.
- Second period 2021-2030: 53.593 ktoe cumulative end-use energy savings.



2014 -2020

# How to achieve our goal?

## The National Energy Saving System

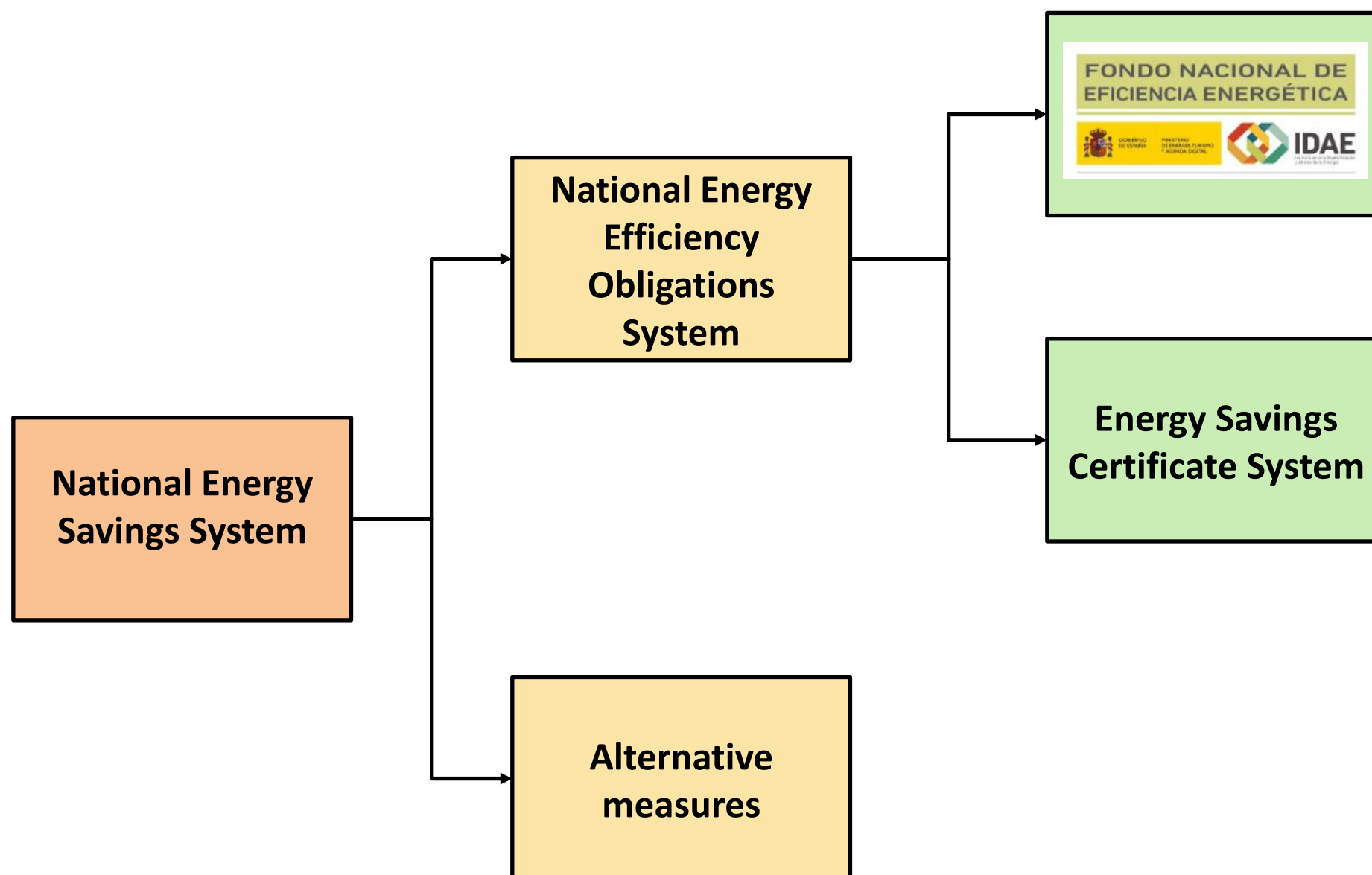




2023 -2030

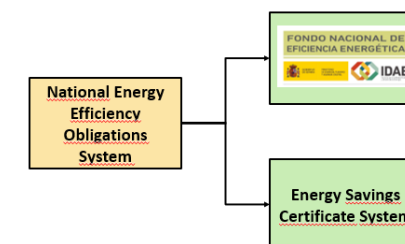
# How to achieve our goal?

## The National Energy Saving System





# National Energy Efficiency Obligation System



## Who are the OBLIGATED SUBJECTS?

Gas and electricity marketing companies, wholesale petroleum product operators and wholesale liquefied petroleum gas operators (around 600 companies).

## How is the ANNUAL QUOTA for energy savings or total savings obligation set?

Based on the target assigned to Spain by the EED, once the savings from alternative measures have been deducted.

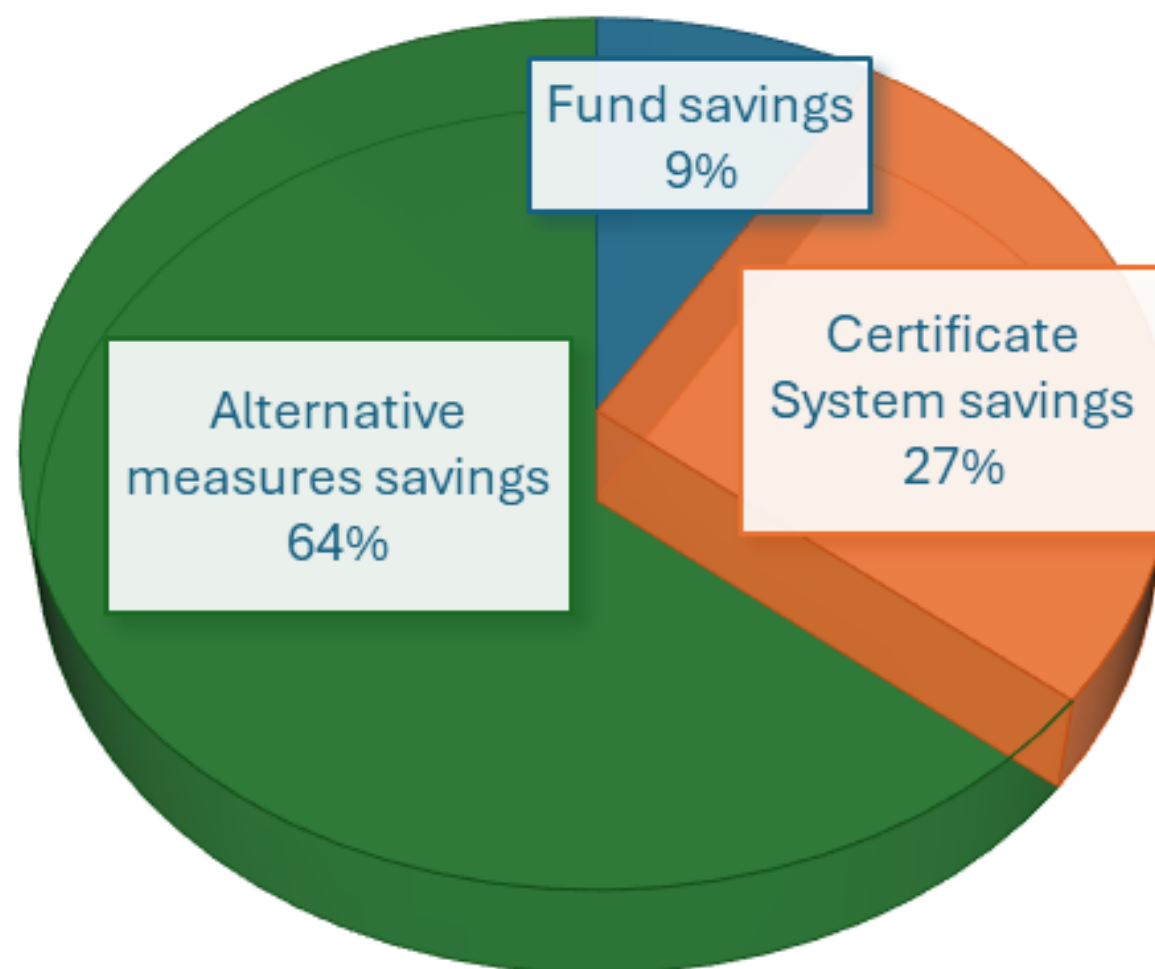
## HOW IS the annual savings target DISTRIBUTED among the obligated subjects?

Based on the sales of each subject (n-2) and the average target and sales volume for the period 2015-2020.

## HOW ARE the savings obligations COMPLIED WITH?

Financial contribution to the National Energy Efficiency Fund and obtaining Certificates resulting from the energy efficiency actions that companies have carried out or promoted among their end customers. This financial contribution will be the result of multiplying the annual savings obligation by the financial equivalence established by ministerial order (2,20 M€/ktoe for 2025).

## National Energy Savings System: Savings distribution

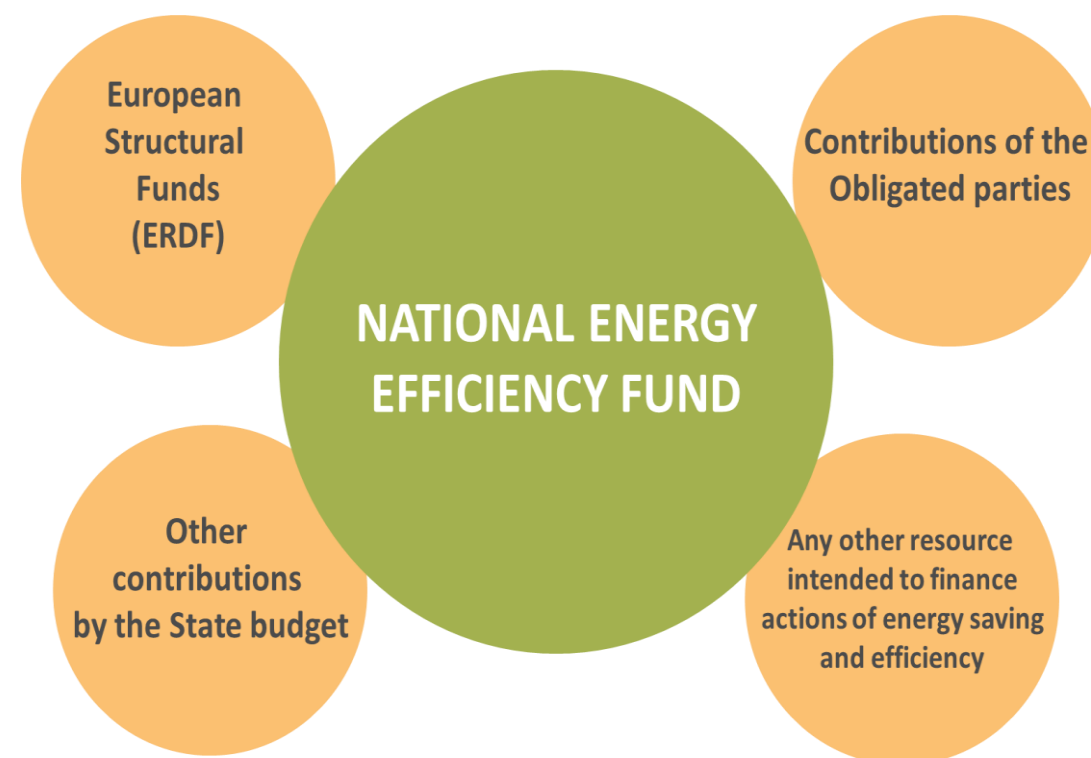


## National Energy Efficiency Fund

The National Energy Efficiency Fund will be devoted to financing mechanisms of economic, financial, technical assistance, training or other measures, in such a way to attain the national energy target set according to article 8 of EED.

### Organization, management and control:

- The Fund is attached to the Ministry for Ecological Transition and Demographic Challenge, through the Secretariat of State for Energy.
- The management of the Fund will be a responsibility of IDAE.
- The supervision and control of the Fund will be a responsibility of a Committee for monitoring and control, which is created by law.





## National Energy Efficiency Fund

### Since 2014:

- € 2,084 million in income from obliged subjects (an average of €207 million/year)
- € **1,826** in **13 aid programs**
- € 13.9 million in 4 communication campaigns

Public Program	Budget (€)	Projects	Financial Aid (€)	Investment (€)	Financing (€)	Reserved Aid
CITY LIGHTING I	65.000.000 €	71	0 €	57.963.219 €	57.432.666 €	88,36%
CITY LIGHTING II	48.791.000 €	37	0 €	33.270.899 €	31.348.439 €	64,25%
SPECIAL LIGHTING	100.000.000 €	42	0 €	98.168.959 €	96.216.787 €	96,22%
DESALINATION	12.000.000 €	8	697.648 €	1.710.627 €	0 €	5,81%
AGRICULTURAL OPERATIONS (REGIONAL)	33.539.774 €	425	12.400.389 €	42.083.001 €	0 €	36,97%
INDUSTRY I	115.216.421 €	414	67.689.475 €	208.601.399 €	0 €	58,75%
INDUSTRY II	168.190.250 €	843	113.917.853 €	492.565.363 €	0 €	67,73%
INDUSTRY III (REGIONAL)	652.075.822 €	3.209	546.980.510 €	1.925.660.238 €	0 €	83,88%
TRANSPORT SYSTEMS I	8.000.000 €	25	630.347 €	788.231 €	0 €	7,88%
TRANSPORT SYSTEMS II	3.720.000 €	34	760.666 €	2.027.777 €	0 €	20,45%
BUILDINGS (PA REER II)	204.000.000 €	1.133	110.087.525 €	317.284.883 €	82.794.328 €	94,55%
PREE (REGIONAL)	402.500.000 €	3.599	220.134.021 €	594.242.017 €	0 €	54,69%
RAILWAY SYSTEMS	13.000.000 €	23	2.556.901 €	9.504.024 €	0 €	19,67%
<b>Total</b>	<b>1.826.033.267,00 €</b>	<b>9.863</b>	<b>1.075.855.335,67 €</b>	<b>3.783.870.635,26 €</b>	<b>267.792.220,14 €</b>	<b>73,58 %</b>

## Success factors & lessons learned of the Spanish energy efficiency fund

- The Fund ensure budgetary stability and prediction **to support** measures where certificates do not have much interest.
- Most of the implemented measures are public support programmes designed **taking into account the target sector and their needs**.
- The management of programmes (evaluation, implementation and verification) is highly useful enriching our **technical knowledge** as well as the insight of the end-use energy sectors. It is used in the design of further programmes.
- Decentralised administration of Spain: energy is a competence of the Autonomous Communities (regions). **Bureaucracy** process resulting sometimes in important delays that can directly affect to the energy savings results.
- As it is public money, there is an exhaustive control to prevent fraud (**bureaucracy**).
- **Political decisions** have to be made, such as financial equivalence.



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