



Success factors of the Spanish obligation scheme and lessons learned for the upcoming period

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ZAGREB

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The screenshot shows the IDAE website homepage. At the top, there is a navigation menu with the following items: CONÓZCANOS, INFORMACIÓN Y PUBLICACIONES, AYUDAS Y FINANCIACIÓN, TECNOLOGÍAS, and AHORRA ENERGÍA. Below the menu is a large banner with a green background and two sea turtles. The banner text reads: "Pequeños Gestos que cambian el mundo... de unas tortugas". Below the title, it says: "El Ministerio de Energía lanza una nueva oleada de la campaña de ahorro energético a través del IDAE. La campaña, denominada Pequeños Gestos, muestra los efectos positivos que los gestos cotidianos de ahorro de energía tienen para el hábitat y la fauna de la naturaleza. Cuenta con un presupuesto de...". At the bottom of the banner, there are three colored boxes: a yellow box for "AHORRA ENERGÍA" (Information useful for the domestic consumer), a red box for "AYUDAS Y FINANCIACIÓN" (Programs of the National Fund, FEDER, IDAE, etc.), and a blue box for "TECNOLOGÍAS" (Everything about energy efficiency and renewable energies).

What is IDAE?

Public corporate entity assigned to the Ministry of Ecological Transition through the Secretary of State for Energy.

Mission

- Promote **energy efficiency** and a reasonable use of energy in Spain.
- Promote energy diversification and a growing use of **renewable energies**.
- Drive these activities through **technical assessment** and launching **demonstrative projects** with an innovative nature.

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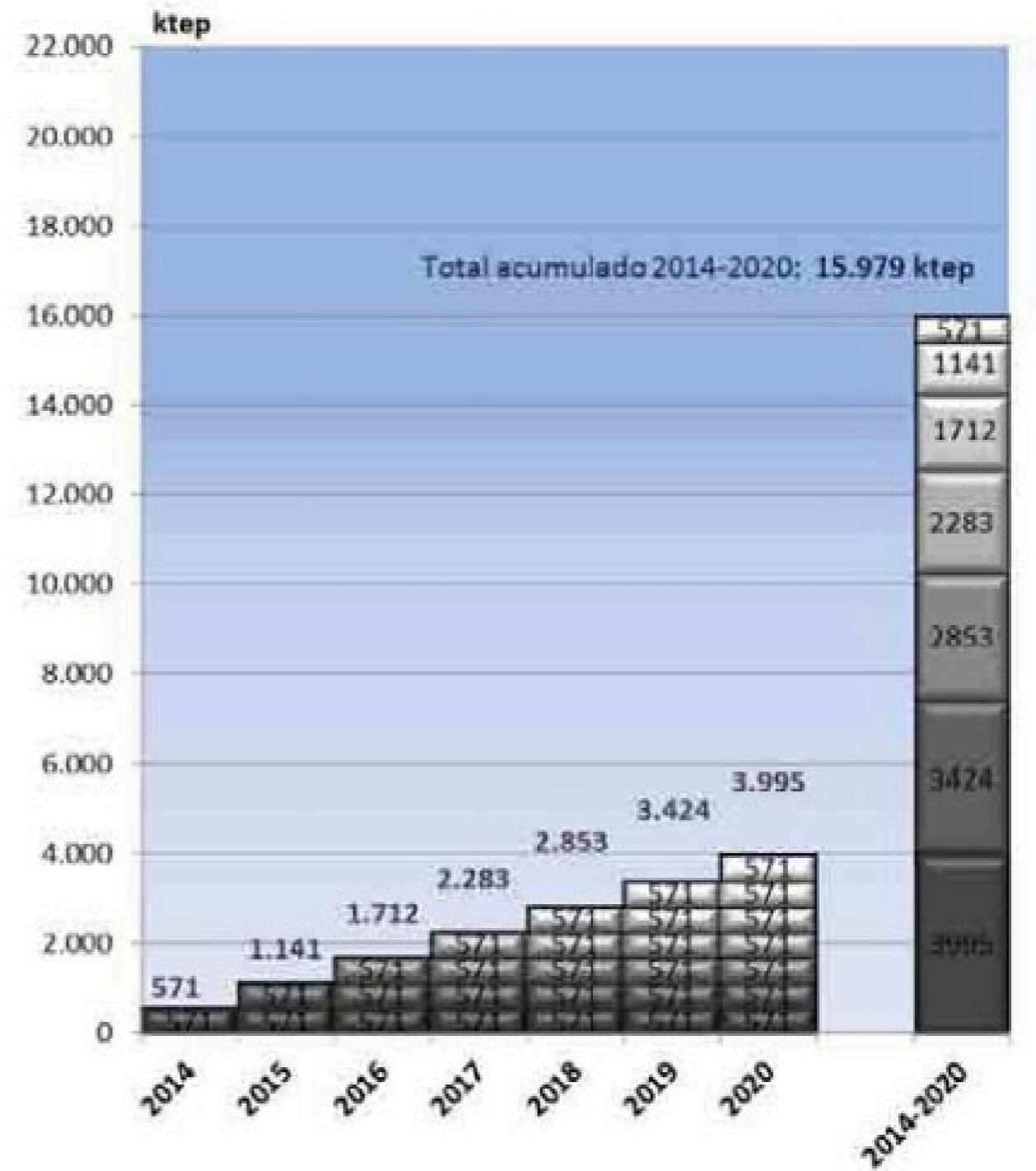
1. SPANISH OBJETIVE FOR ENERGY SAVINGS (ARTICLE 7)
2. ENERGY EFFICIENCY OBLIGATION SCHEME
3. SUCCEES FACTORS & LESSONS LEARNED OF THE SPANISH OBLIGATION SCHEME 2014-2020
4. NEW PERIOD 2021-2030

SPANISH OBJECTIVE FOR ENERGY SAVINGS (ARTICLE 7)

Energy Savings Objective

571 ktoe/year final energy savings —a linear distribution is assumed

15.979 ktoe of cumulative total final energy savings 2014-2020 of 15,979 ktoe, between 2014 and 2020



SPANISH OBJETIVE FOR ENERGY SAVINGS (ARTICLE 7)

SPANISH ENERGY SAVINGS OBLIGATION

ENERGY
EFFICIENCY
OBLIGATION
SCHEME

ALTERNATIVE
MEASURES

ENERGY EFFICIENCY OBLIGATION SCHEME

National implementation:

Through Law 18/2014, October 15th, for the adoption of urgent measures for growth, competitiveness and efficiency

Obligated parties:

Energy companies of gas and electricity and oil products and LPG retailers.

How is the annual obligation of energy savings calculated:

Through the objective assigned by article 7 of the 2012/27/EU Directive to Spain, after deducting savings derived from the alternative measures (141 ktoe in 2014 and 262 ktoe from 2015-2019).

How is the annual savings obligation distributed among the different obligated parties:

Proportionally to the volume of sales to final energy consumers.

ENERGY EFFICIENCY OBLIGATION SCHEME

How can it be fulfilled the energy savings obligations?

Obligated parties have to contribute annually to the **Energy Efficiency National Fund** (4 equal payments) prior to the 31/03, 30/06, 30/09 and 31/12.

This financial contribution will be the result of multiplying the obligation of annual savings by the **financial equivalence established** by ministerial order (**0,79 M€/ktoe**).

Alternatively, by means of a decree, the Government could establish a mechanism for accreditation of savings through **energy savings certificates** (white certificates). However this option has not been implemented.

ENERGY EFFICIENCY NATIONAL FUND

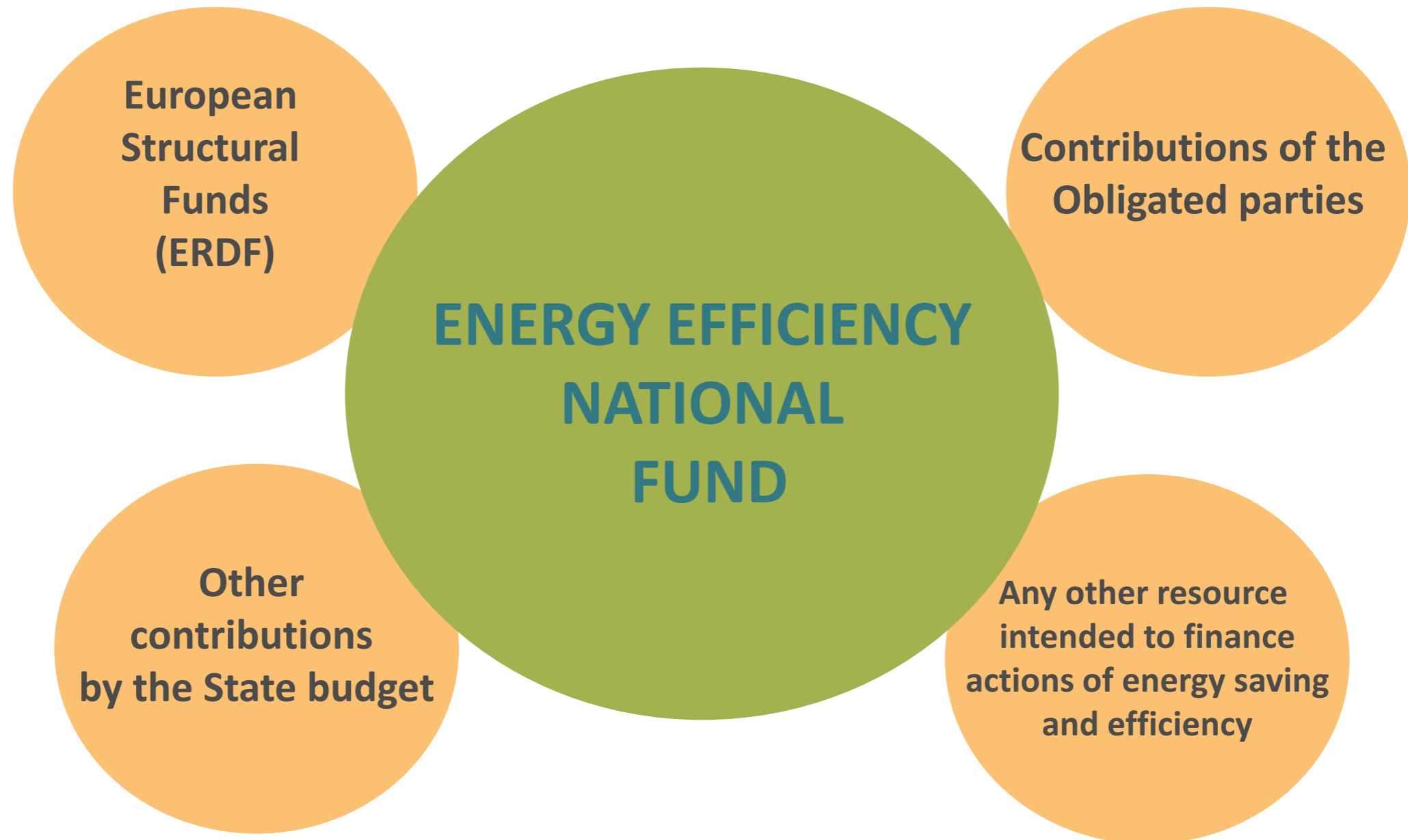
The Fund (Law 18/2014) will be devoted to financing mechanisms of economic, financial, technical assistance, training or other measures, in such a way to attain the national energy target set according to article 7 of EED.

Duration of the Fund would be, at least, from 2014 to 2020.

Organization, management and control:

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

ENERGY EFFICIENCY NATIONAL FUND



Financial contributions to the Fund

CURRENT SITUATION: FUNDING PROGRAMMES FOR ENERGY EFFICIENCY

Date: 16 September 2019

Programa	Nº solicitudes	Presupuesto Programa (€)	Inversión (€)	Ayuda (€)	Financiación (€)	% Ayuda reservada
ALUMBRADO (1ª Convocatoria)	72	65.000.000 €	76.099.918 €	0 €	62.269.497 €	95,80%
ALUMBRADO (2ª Convocatoria)	47	48.791.000 €	49.204.301 €	0 €	48.201.796 €	98,79%
INDUSTRIA (1ª Convocatoria)	404	115.216.421 €	296.180.310 €	69.942.608 €	0 €	60,71%
INDUSTRIA (2ª Convocatoria)	1.111	168.190.250 €	735.438.915 €	173.124.117 €	0 €	102,93%
INDUSTRIA (3ª Convocatoria)		307.644.906 €				
TRANSPORTE (1ª Convocatoria)	25	8.000.000 €	950.730 €	630.347 €	0 €	7,88%
TRANSPORTE (2ª Convocatoria)	46	3.720.000 €	5.130.990 €	1.552.878 €	0 €	41,74%
FERROCARRILES	107	13.000.000 €	23.289.234 €	6.100.468 €	0 €	46,93%
DESALADORAS	24	12.000.000 €	19.600.793 €	5.218.668 €	0 €	43,49%
REHABILITACIÓN EDIFICIOS PAREER II	1.522	204.000.000 €	431.101.952 €	149.751.057 €	145.080.056 €	144,53%
LÍNEA ICO IDAE EFICIENCIA ENERGÉTICA (INDUSTRIA Y HOSTELERÍA)*	2	100.000.000 €	388.168 €	0 €	310.041 €	0,31%
PAREER-CRECE	1.475	200.000.000 €	285.180.083 €	83.121.858 €	73.617.867 €	78,37%
DESARROLLO URBANO SOSTENIBLE ENTIDADES LOCALES (DUS)	1.656	987.153.542 €	744.481.796 €	500.012.018 €	0 €	50,65%
RENOVACIÓN EDIFICIOS/INFRAESTRUCTURAS AGE	109	95.181.546 €	85.141.271 €	61.984.268 €	0 €	65,12%
PROGRAMA ENERGÍA EÓLICA EN CANARIAS	25	80.000.000 €	220.740.200 €	55.782.984 €	0 €	69,73%
PROGRAMA ENERGÍA SOLAR FOTOVOLTAICA EN BALEARES	56	40.000.000 €	268.133.916 €	41.763.169 €	0 €	104,41%
PLAN MOVALT VEHÍCULOS	2.977	20.000.000 €	0 €	16.059.000 €	0 €	80,30%
PLAN MOVALT INFRAESTRUCTURA	307	20.000.000 €	0 €	7.602.359 €	0 €	38,01%
PROGRAMA MOVES		45.000.000 €				
PROGRAMA MOVES PROYECTOS SINGULARES		15.000.000 €				
TOTAL	9.965	2.547.897.665 €	3.241.062.578 €	1.172.645.798 €	329.479.256 €	

2019 ENERGY SAVINGS (ESTIMATE)

	Ahorros Energía final 2019 (ktep/año)	Ahorros Energía final 2019 acumulados a 2020 (ktep/año)
1. MEDIDAS ALTERNATIVAS (art. 7.9)	561,3	1.117,7
LEY 15/2012, DE MEDIDAS FISCALES PARA LA SOSTENIBILIDAD ENERGÉTICA	51,0	102,1
PROGRAMAS DE EJECUCIÓN DIRECTA DE IDAE	2,5	4,9
Acuerdo voluntario CNAE	0,1	0,1
Acuerdo voluntario AEFGA	2,3	4,7
Curso e-learning de IDAE	0,0	0,1
OTROS PROGRAMAS Y MEDIDAS	135,1	270,2
Programa de fomento de la competitividad industrial (provisional)	60,2	120,4
Programa Estatal de fomento de la rehabilitación (provisional)	16,3	32,6
Ahorros derivados de la implementación del distintivo ambiental de la DGT	21,5	43,1
Introducción criterios medioambientales y de eficiencia en reparto a la AGE para ayudas transporte urbano colectivo	37,1	74,1
CONDUCCIÓN EFICIENTE PERMISO DE CONDUCCIÓN (Ahorros equivalentes)	61,6	123,2
PROGRAMAS EJECUTADOS POR LAS COMUNIDADES AUTÓNOMAS	124,6	249,1
MOVES	7,2	14,4
MOVES Proyectos Singulares	1,9	3,9
MENAE	115,4	230,8
FONDOS FEDER 2014-2020	186,6	373,2
TRAMO PLURIRREGIONAL (IDAE): Edificios AGE	4,1	8,3
TRAMO PLURIRREGIONAL (IDAE): Desarrollo Urbano Sostenible (1ª, 2ª y 3ª convocatoria)	172,0	344,0
TRAMO PLURIRREGIONAL DUSI (Desarrollo Urbano Sostenible Integrado)	10,4	20,9

2019 ENERGY SAVINGS (ESTIMATE)

2. SISTEMA DE OBLIGACIONES DE EFICIENCIA ENERGÉTICA	629,0	1.258,0
FONDO NACIONAL DE EFICIENCIA ENERGÉTICA (aportación 2015: edificios)	18,7	37,4
Programa eficiencia energética en edificios (PAREER II)	18,7	37,4
FONDO NACIONAL DE EFICIENCIA ENERGÉTICA (aportación 2016: edificios)	36,5	73,0
Programa eficiencia energética en edificios (PAREER II)	36,5	73,0
FONDO NACIONAL DE EFICIENCIA ENERGÉTICA (aportación 2017: edificios)	17,8	35,6
Programa eficiencia energética en edificios (PAREER II)	17,8	35,6
FONDO NACIONAL DE EFICIENCIA ENERGÉTICA (aportación 2018)	425,0	850,0
Programa eficiencia en PYME y gran empresa del sector industrial (aportación 2018 y remanente 50 ME línea ICO-IDAIE)	425,0	850,0
FONDO NACIONAL DE EFICIENCIA ENERGÉTICA (mitad aportación 2019)	131,0	262,0
CERTIFICADOS DE AHORRO DE ENERGÍA	Sin reglamentar	
TOTAL	1.190,3	2.375,7
	s/571 ktep/ año	s/15.979 ktep
Ahorros energía final 2014-2019 acumulados a 2020 s/15.979 ktep	208,6%	14,9%
		96,8%

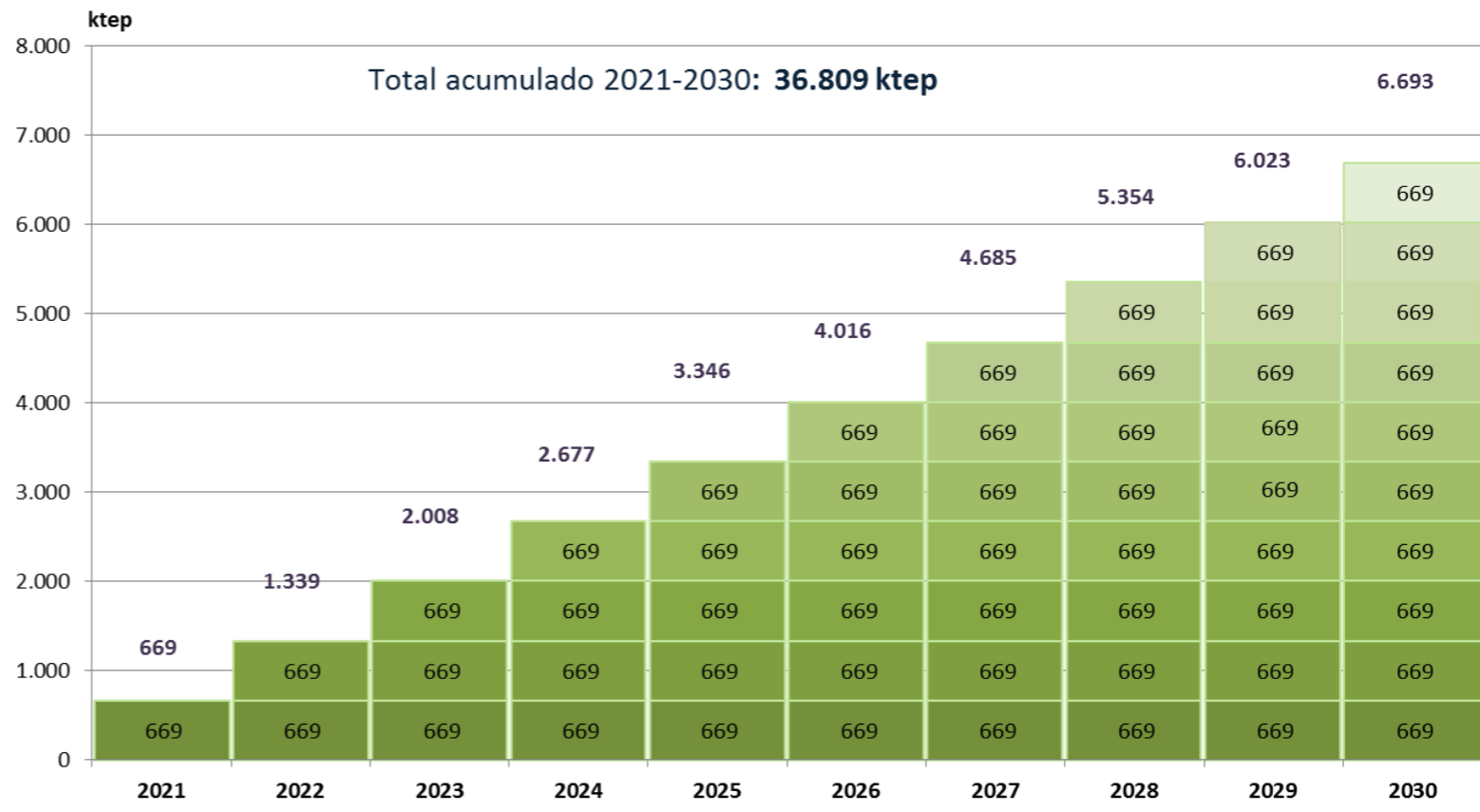
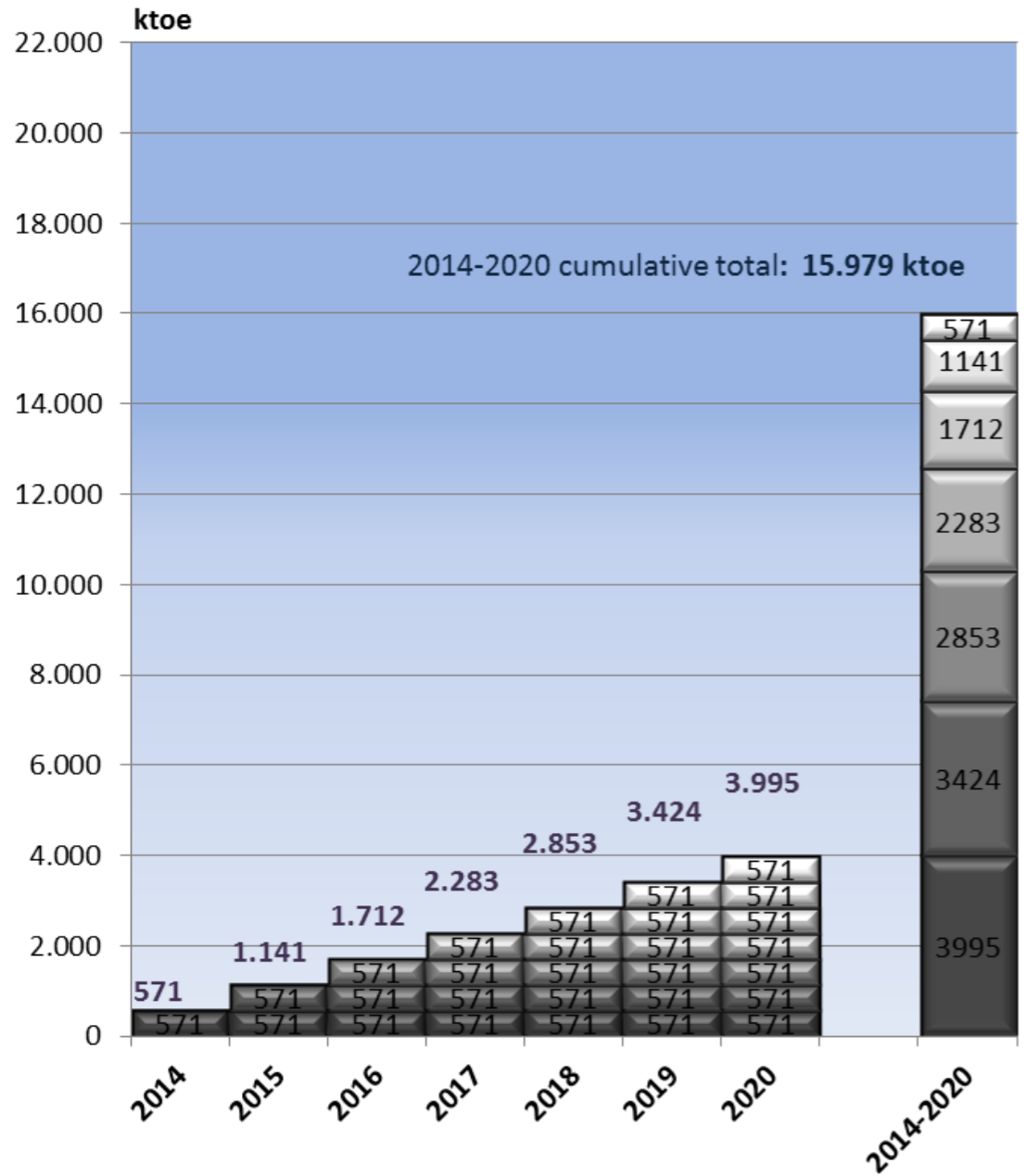
- Energy savings contribution in 2019: 53% EOS and 47% alternative measures

SUCCESS FACTORS & LESSONS LEARNED OF THE SPANISH OBLIGATION SCHEME 2014-2020

- Most of the **implemented measures** are public support programmes designed taking into account the **target sector and his needs**.
- The EEOS ensures **budgetary stability**.
- The **management of programmes** (evaluation, implementation and verification) is **highly useful** enriching our technical knowledge as well as the insight of the consumer sectors. It is used in the design of further programmes.
- **Decentralised administration of Spain:** energy is a competence of the Autonomous Communities. Bureaucracy process resulting sometimes in important delays that can directly affect to the energy savings results.
- Political decisions have to be made, such as **financial equivalence**.

NEW PERIOD 2021-2030

Accumulated objective of final energy savings



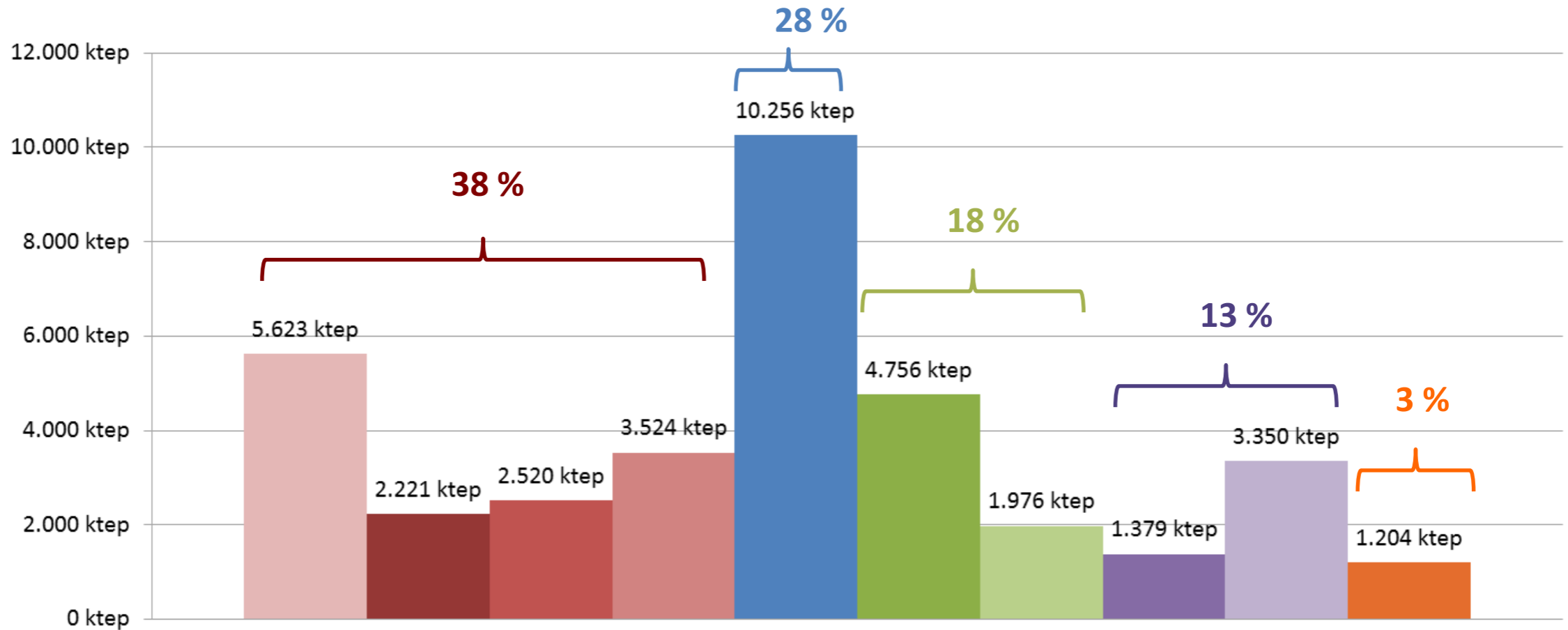
Higher annual energy savings are needed:
from 571 ktoe/year in the current period to
669 ktep/year in the new one

NEW PERIOD 2021-2030

- Continuation of the current scheme through combination of EOS and alternative measures (it has to be implemented by a new law).
- Regulatory and fiscal instrument: great potential to facilitate the transition to a low-carbon economy.
- **10 energy efficiency measures** taking a sectoral approach and complemented by horizontal and financial measures.
- Investments: around 30 bn€ of public funds from a total investment of 86.476 bn€ in energy efficiency.
- Origen funds: obligated parties, General State Budgets, European Structural and Investment Funds (ERDF) and return on the loans granted within the framework of call notices already implemented since 2015.

NEW PERIOD 2021-2030

Cumulative final energy saving by measure in Spain 2021-2030 (ktoe)



- 2.1. Medidas de cambio modal
- 2.2. Medidas de uso más eficiente de los medios de transporte
- 2.3. Medidas de renovación de parque automovilístico
- 2.4. Medidas de impulso del vehículo eléctrico
- 2.5. Mejoras en la tecnología y sistemas de gestión de procesos industriales
- 2.6. Medidas de eficiencia energética en edificios existentes del sector residencial
- 2.7. Medidas de renovación del equipamiento residencial
- 2.8. Medidas de eficiencia energética en edificios existentes del sector terciario
- 2.9. Medidas de eficiencia energética en equipos generadores de frío y grandes instalaciones de climatización del sector terciario e infraestructuras públicas
- 2.10. Mejora de la eficiencia energética en explotaciones agrarias, comunidades de regantes y maquinaria agrícola

Thank you very much



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