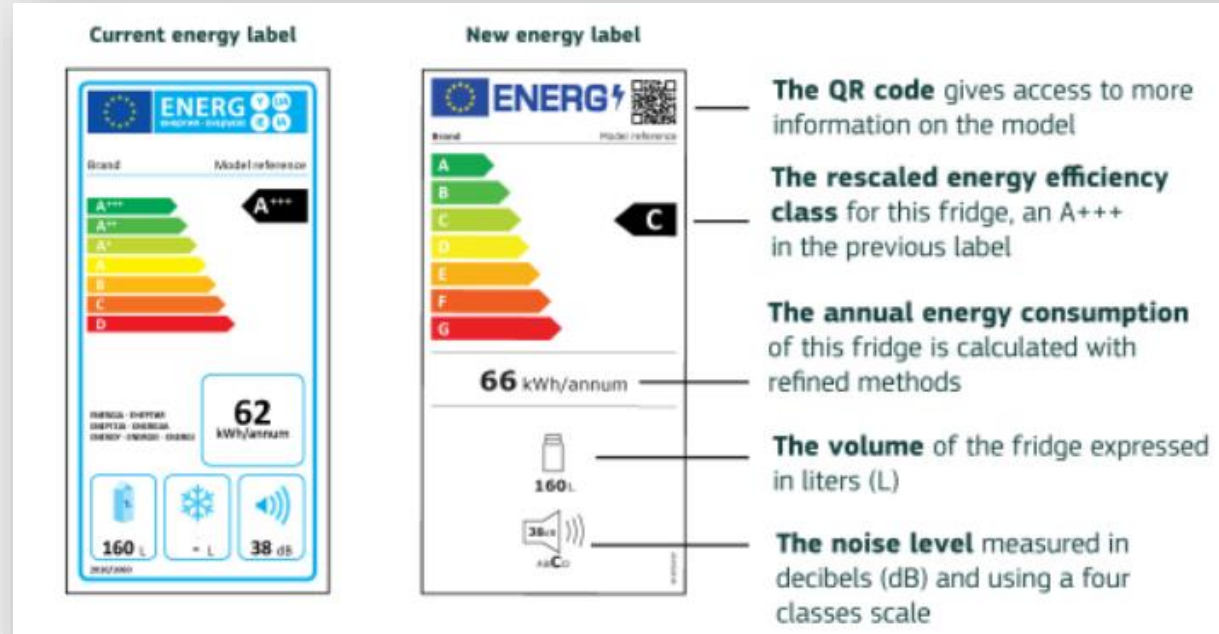# >> NEW REGULATIONS ON ENERGY LABELLING

New energy labels (rescalling)

> **Additional information for consumers**

> **Replacing previous (A+++ to D) with a redesigned and rescaled (A to G) labels**

> **CPs are following those changes on voluntary basis**

Source: European Commission

New legislative acts

Regulation (EU) 2019/2013 on energy labelling of **electronic displays**

Regulation (EU) 2019/2014 on energy labelling for **household washing machines and washer-dryers**

Regulation (EU) 2019/2015 on energy labelling for **light sources**

Regulation (EU) 2019/2016 on energy labelling for **refrigerating appliances**

Regulation (EU) No 1059/2017 on energy labelling for **household dishwashers**

Existing EnC Regulations which will be repealed

Energy Community

1059/2010- Household dishwashers	1060/2010- Household refrigerating appliances	1061/2010- Household washing machines	1062/2010- Televisions
626/2011- Air conditioners	392/2012- Household tumble driers	874/2012- Electrical lamps and luminaires	665/2013- Vacuum cleaners
811/2013- Space heaters	812/2013- Water heaters & storage tanks	65/2014- Domestic ovens, hobs and range hoods	1254/2014- Residential ventilation units
2015/1094- Professional refrigeration	2015/1186- Local space heaters	2015/1187- Solid fuel boilers	

Remain active in EnC

To be repealed with new Regulations

General approach

Standard adaptations: MS → CP, etc.

Specific adaptations – for discussion:

➢ no access to EPREL – relevant articles deleted/changed – e.g. technical documentation is made available directly at the request of the market surveillance authorities.

➢ an electronic label shall be made available to dealers for model registered in the EU product database

➢ for models placed only on the CPs markets of which are not registered in the EU product database, the label shall be generated without the EU logo, and the QR code shall be linked to the website with model's information maintained by the manufacturer.

Transposition deadline: 31 December 2023

Timeline

1. *EECG March 2021: Rescaling of Energy Labels and new EU regulation*

2. *EECG Nov 2021: Plan for adoption of products labelling regulations*

3. *EECG March 2022: Progress with the transposition of labelling framework*

4. *PHLG 2022: New products labelling regulations – proposal for 2022 adoption*

5. *Finalisation and adoption at MC 2022*

EMAS certification:
Greening of the
Energy Community Secretariat

What is EMAS?

It is a voluntary environmental management scheme instrument designed by the European Commission

Aim
Continuous improvement in the environmental performance of companies and other organisations

Instruments
Management system enabling organisations to evaluate, improve, measure and report on their environmental performance

Outcomes and Impact
Lower environmental impact, better efficiency and credible information about environmental topics

Key performance indicators versus doability/relevance

Energy Community

❌	BIODIVERSITY/ LAND USE	tenants in a listed building in the middle of the city
❌	WATER	costs known, no direct correlation with our consumption
☀	EMISSIONS	2019 3.6 million flight kms, 1.1 million kms by the staff, besides the decision NOT to fly, limited options
✅	WASTE	new cleaning contract / recycling / records in place
✅	ENERGY EFFICIENCY	100% green electricity supplier, 100% LED lighting, smart heating system etc.
✅	MATERIAL EFFICIENCY	awareness raising and purchase practices incorporation of SUSTAINABILITY CRITERIA = key action

Energy Efficiency related measures

Secretariat's energy costs: 69% district heating, 31% electricity!

District heating/ACs	Mapping and labelling of radiators	Optimal heating/ cooling	Smart heating/ cooling

up to 30% savings

Lighting	LED desktop lighting	LED fluorescent tubes

~ 50% savings

Electrical and electronic equipment	Green procurement	Optimal (EE) use

10-30% savings

Horizontal	Manuals / information	Procedures	Monitoring / reporting
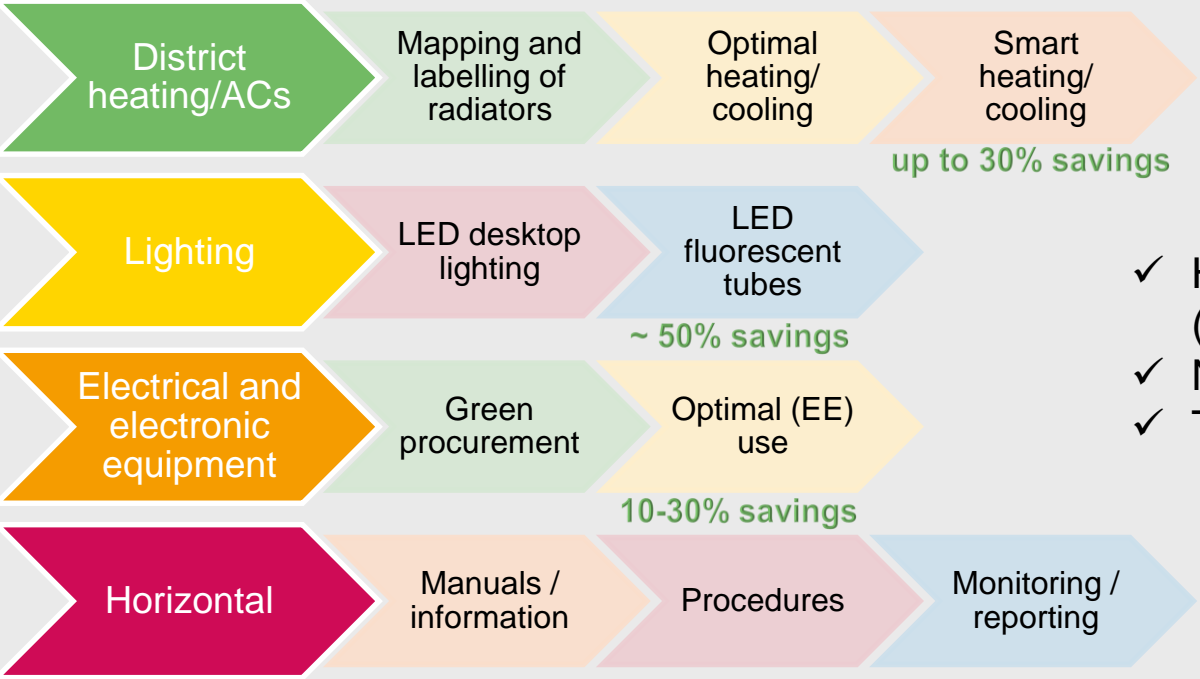
Smart heating system:
- ✓ Humidity increased 10-20% (now between 45-55%)
- ✓ New manual in Easy app
- ✓ Testing of **cooling integration**

Equipment consumption / optimization:

New energy efficiency measures – LED lighting

➢ *Research and 3w testing (light intensity, color, comfort)*

➢ *Replacement of 165 old fluorescent tubes (5th floor) with LED*

➢ *Waste disposal in cooperation with manufacturer*

Characteristics of new LED:

- Highest A++ class - 55% more efficient

- No flickering and right cool white colour

(4000K) - ideal for offices

- Average duration: 60 000 h and 5 y

guarantee (3 times more than old, > 15 years)

- Adjustable position (up to 160° angle)

Costs / savings / PBP

Tubes 60cm (pcs)	62
Tubes 150cm (pcs)	103
Electricity price - last bill (eur)	0,20
Average working hours of bulbs (h)	5
Consumption per year kWh OLD (kWh/y)	9217,0
Annual costs OLD (EUR)	1845,2
Consumption per year NEW (kWh/y)	3724,5
Annual costs NEW (EUR)	745,6
Annual savings KWh	5492,5
Annual savings EUR	1099,6
Investment costs for purchase of new LED tubes (EUR)	2000,0
Payback period (years)	1,8
Addition savings due to 3 x greater lifespan (cover instalation costs)	716,3

Next steps:
> Testing corridor light optimisation and control (by light intensity, duration)
> Split light switching in some offices
> Integration of lighting in smart app

THANK YOU
FOR YOUR ATTENTION
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