



EUROPEISKA UNIONEN
Europeiska regionala
utvecklingsfonden

EnOff

BY MUNICIPALITIES –
FOR MUNICIPALITIES:

A new method for public procurement of
energy efficient retrofiting

About "EnOff"

- Flexible method for procurement of energy efficient retrofitting in public buildings
- Focuses on life cycle costs, partnering and a step by step implementation
- The method is drafted by Energieffektiviseringsföretagen (EEF), the National Agency for Public Procurement, the Swedish Association of Local Authorities and Regions and the Swedish Installation Federation



Why a new model?

1. Energy efficiency is essential to meet climate goals
2. The need for maintenance is great in the municipalities
3. A simple and flexible model lowers the threshold to get started

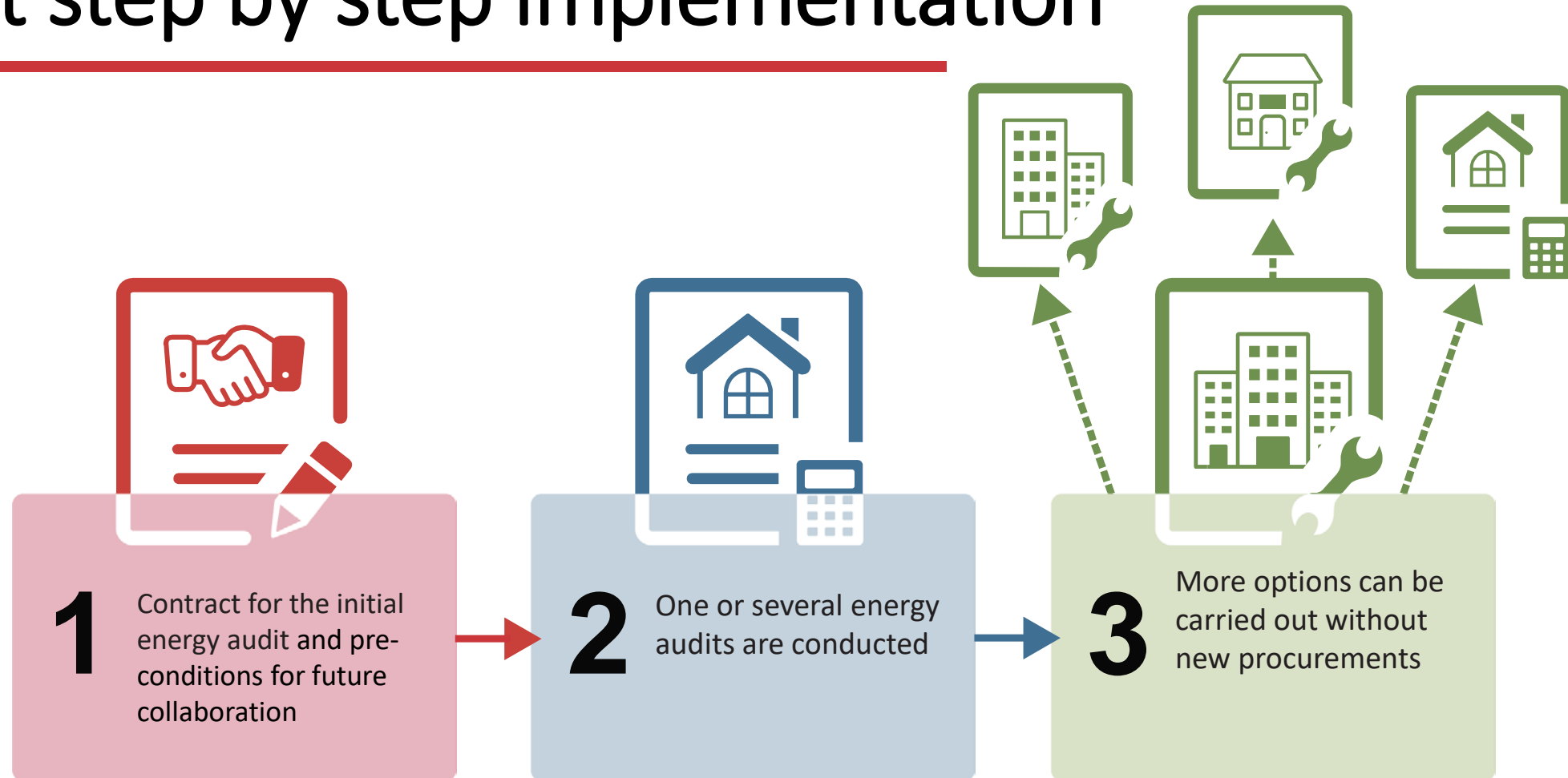


How it works

- Starts with an **energy audit**
- A **collaboration agreement** sets the boundaries for the project, the profit percentage, price per hour etc
- **Life cycle costs** for **packages**, not single measures
- **The client** can stop or pause the collaboration at any time



One procurement for all buildings – But step by step implementation



Three good things – for the client

1. Only one procurement
2. Control throughout the project
3. Can stop or pause the collaboration at any time

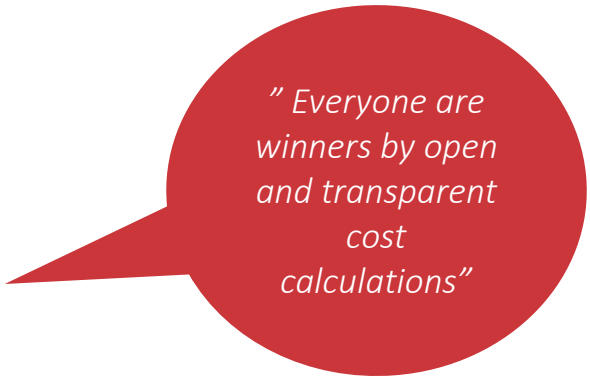
*“EnOff-method
reduces risks and
we can buy
everything in
one”*

*“A better
collaboration
with
entrepreneurs
leads to better
solutions”*



Three good things - for the entrepreneur

1. Focus on quality
2. Low treshhold – great potential
3. Secured profit and just competition



*” Everyone are
winners by open
and transparent
cost
calculations”*



Three good things - for the politicians

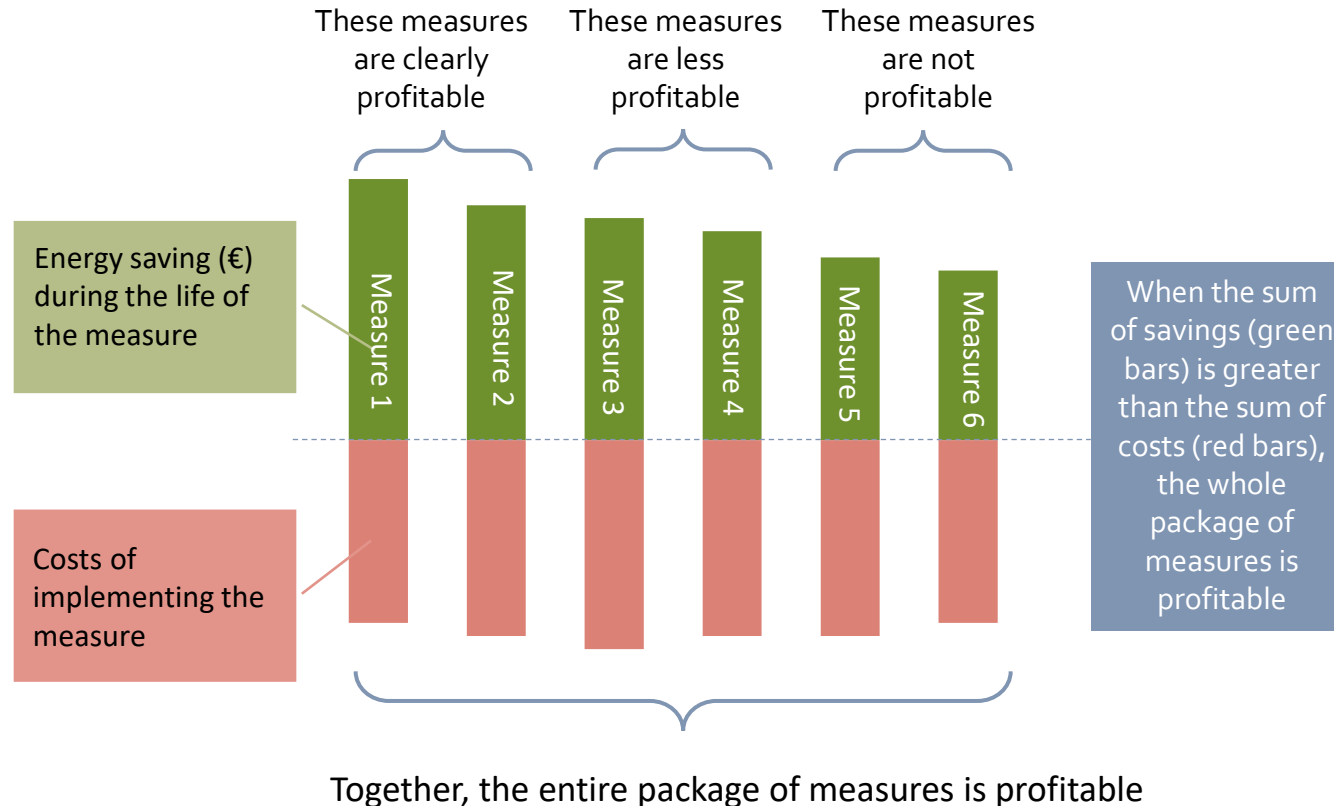
1. A strategic tool for energy efficiency
2. Step by step implementation makes the decision making easier
3. Contribution to local, regional, national and global goals

" With good collaboration, we avoid overly optimistic calculation and unpleasant surprises"

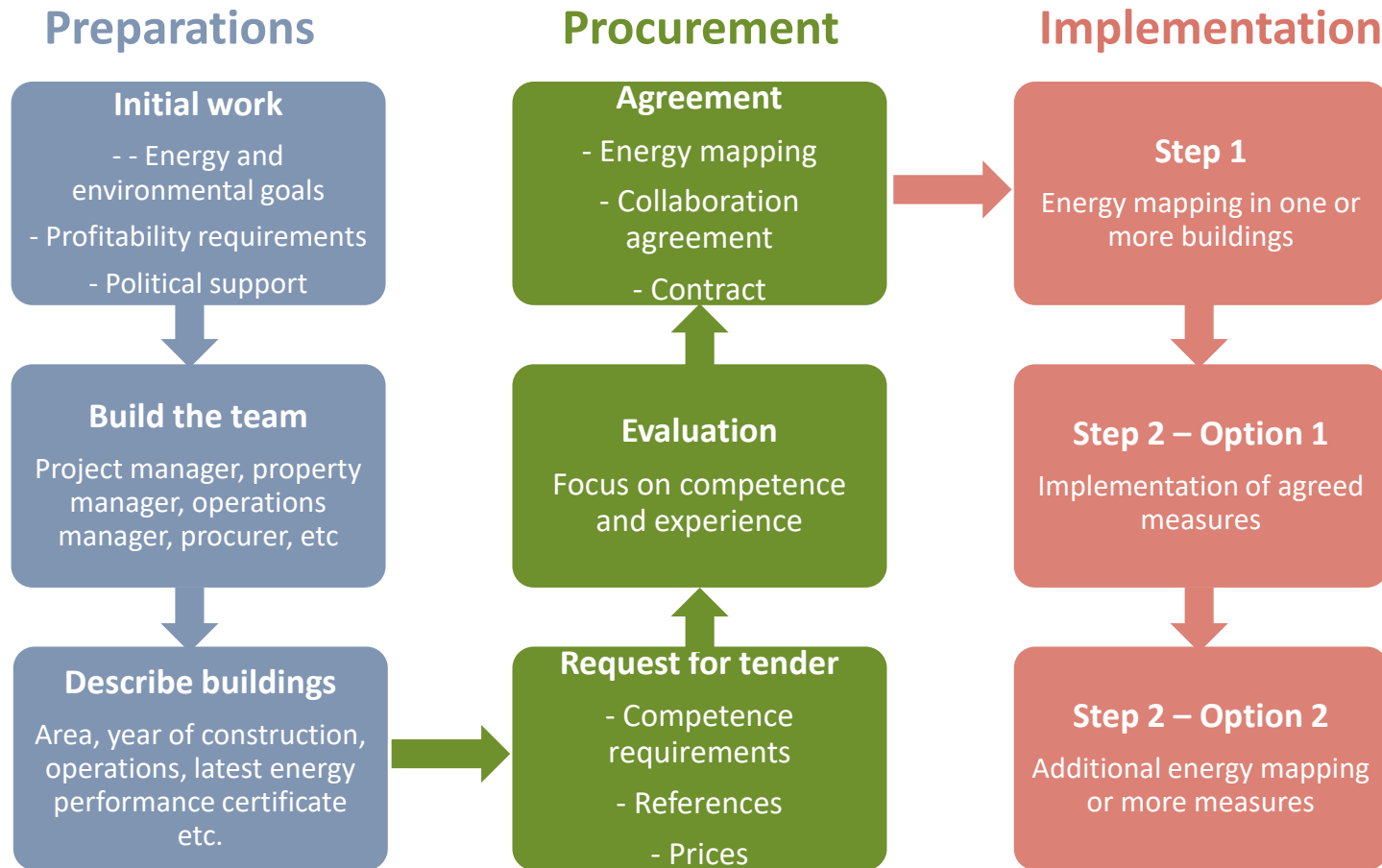
" We are on track to reach our energy goals"



Energy efficiency in packages



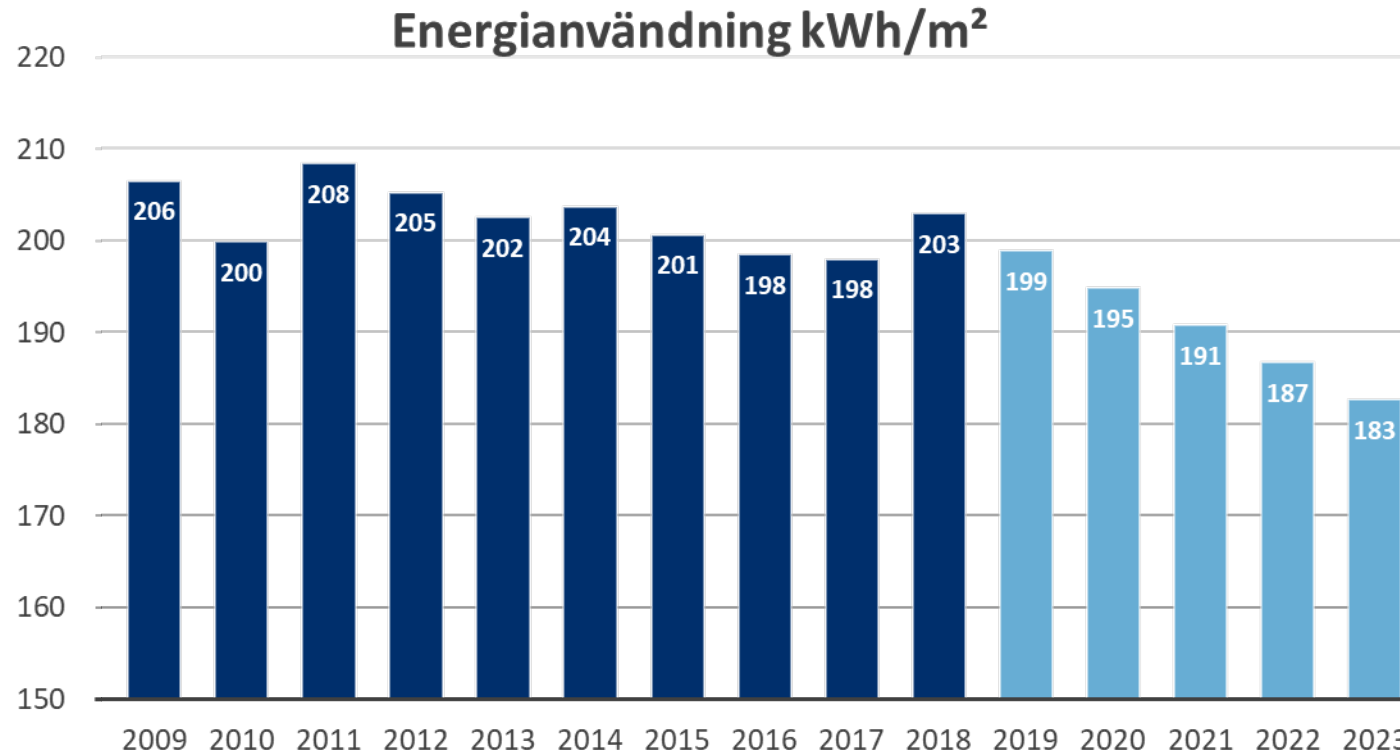
Reach your goal with EnOff!



Here are examples of what can be included in a process where the EnOff model is used. Content and design are adapted to the conditions in each case.



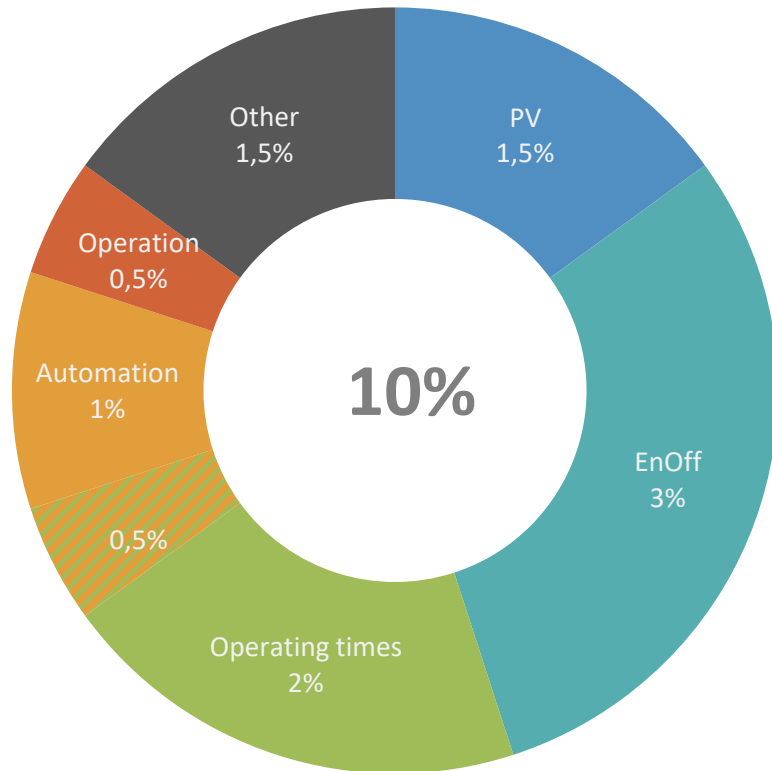
TOTAL ENERGY USAGE



Target energy usage -10%

Measures to reach 10%-target

PROJEKT	Solceller	EnOff	Drifttider	Automation	Verksamhet	Övrigt
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Target 2023

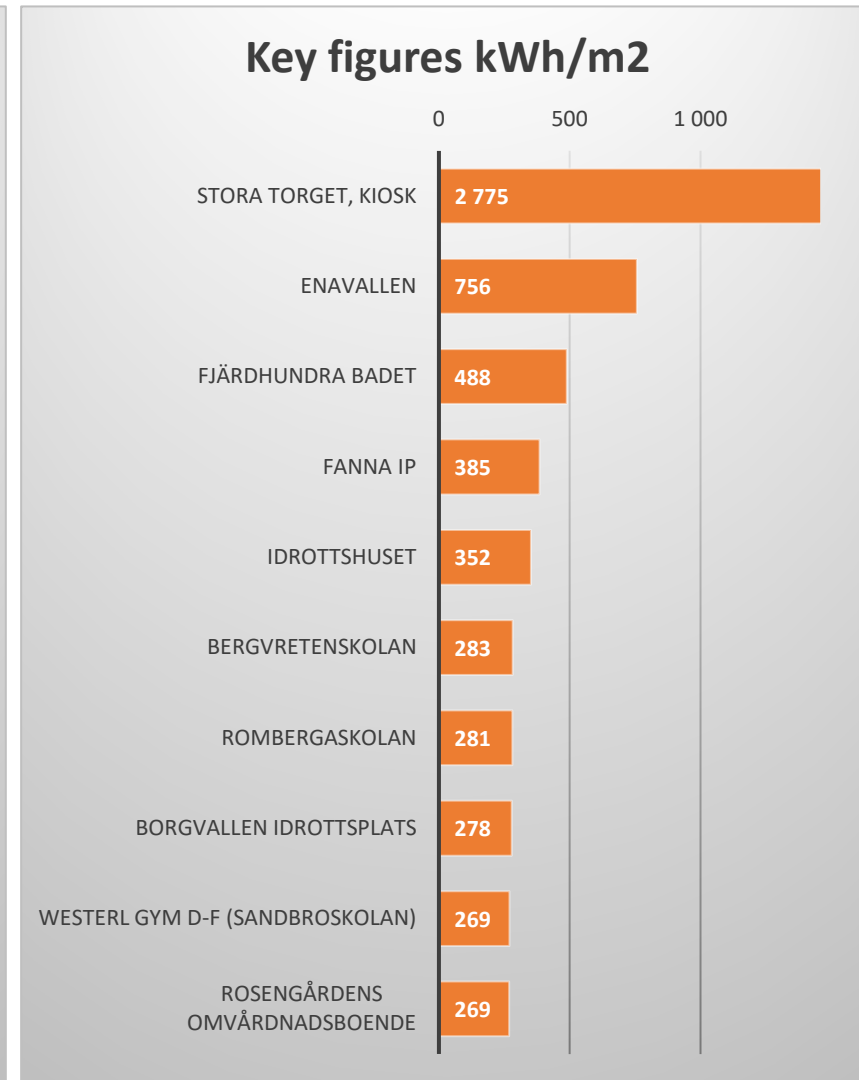
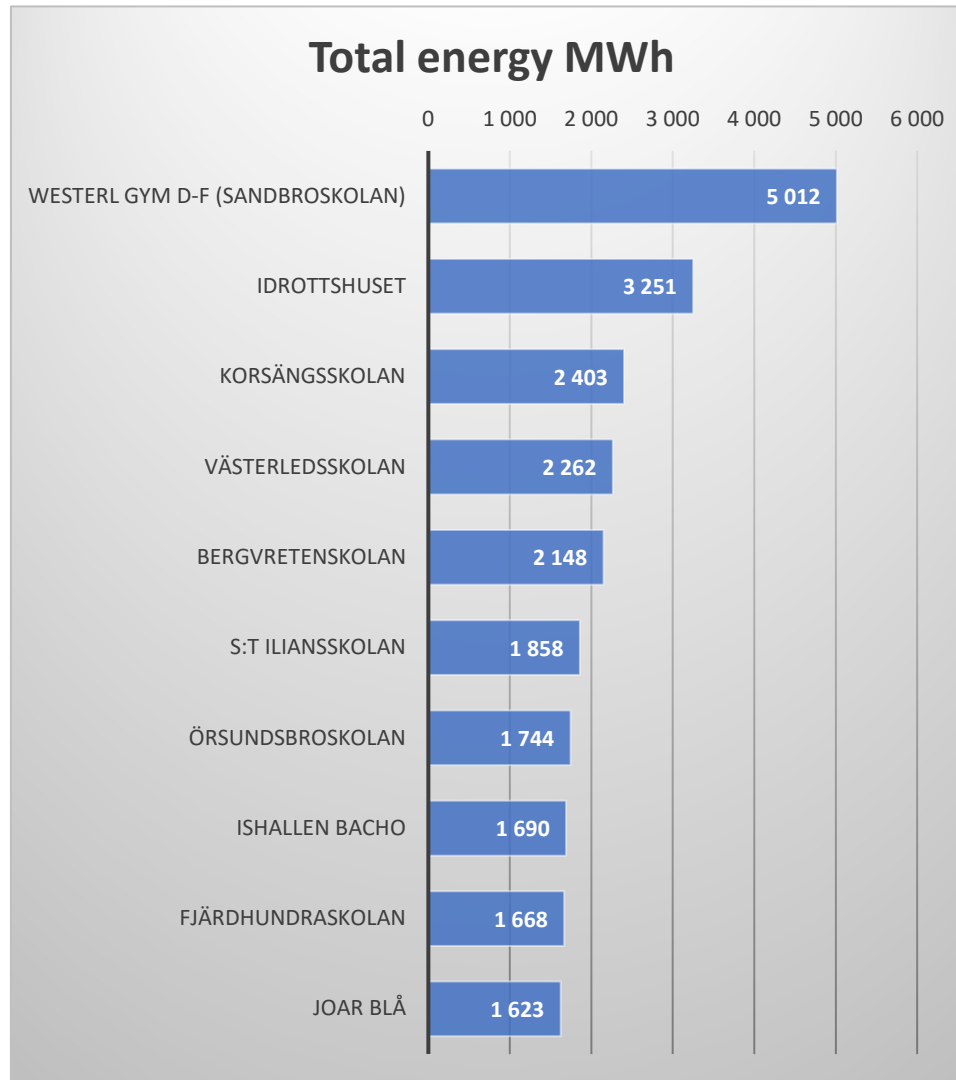
Energy of total	10%	4 850	MWh
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Measures

% of total

Measures	% of total		
PV	1,5%	700	MWh
EnOff	3,0%	1 450	MWh
Operating time	2,0%	950	MWh
Automation/ operating time	0,5%	250	MWh
Automation	1,0%	500	MWh
Operation	0,5%	250	MWh
Other	1,5%	750	MWh
Total	10,0%	4 850	MWh

What buildings to include?



Additional values: Not only kWh and €!

For property owners and residents

- Satisfied tenants
- Better indoor environment, with improved ventilation, more even temperature and reduced draft
- Refurbishment of worn environments and more attractive residential areas

For society and the environment

- More jobs for upgrading the existing properties
- Reduced climate impact, reduced resource use and reduced emissions to air and water

For the energy system

- Reduced investment needs in new energy production
- Lower power requirements in winter facilitate a renewable electricity system



The global goals

Energy efficiency contributes to several of the global sustainability goals, and most of all to goals 7 and 11 :



Goal 7 - Sustainable energy for all

The sub-goal of doubling the global rate of improvement in terms of energy efficiency.



Goal 11 - Sustainable cities and communities

Intermediate goals for reducing the negative environmental impact of cities, for inclusive and sustainable urbanization and for redevelopment of run-down areas.

Energy efficiency also contributes indirectly to several of the other goals.





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Lotta Bångens

VD

lotta.bangens@eef.se

+46-70 343 92 12

Read more (in swedish) at www.eef.se/enoff