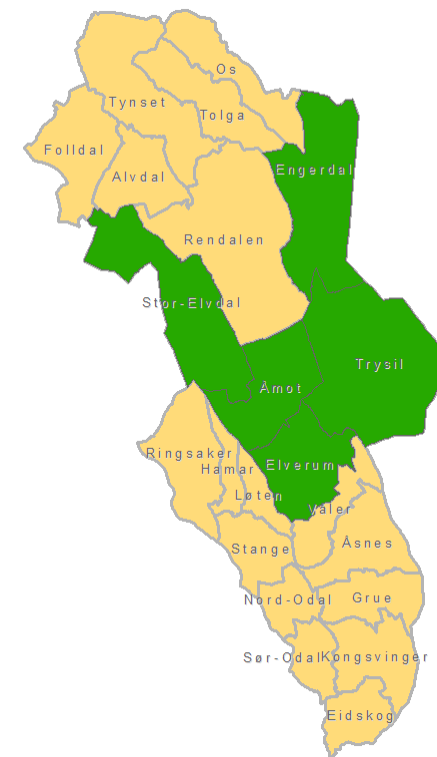


Who we are?:

Region Council of Sør-Østerdal

Representing the Municipalities:

- Elverum
- Engerdal
- Stor-Elvdal
- Trysil
- Åmot



Sør-Østerdal

- 5 Municipalities
- 35.000 inhabitants
- Total areal 9.945 km²
- Cold and dry climate
- All Municipalities has SEAP's
- Target: Energy saving > 25 %
in Municipal buildings
(= 2.200 tCO₂e)
- 133 municipal buildings:
260.000m² with an energy
consumption of **45 GWh**



Investment:

For energy saving in Municipal buildings:

Approx. 11 MEuro (85 MNOK)



Although measures are profitable, there are no automatic funding mechanisms in the municipalities.

We are therefore working with different methods:

- EPC (Energy Performance Contract)
- Conventional contracting
- Financing from the Municipalities and/or bank.
- A combination



Our competence and experience:

- Implementation of SEAP's and energy plans.
- Inter-municipal project:
“Energy saving in Municipal buildings in Sør-Østerdal” (2009 – 2015)
- EU-project: **MLEI – ENSAMB** (2012 – 2015)
“Energy Saving in Municipal Buildings in Small Communities in Rural Districts”

Intelligent Energy  Europe

- **FEM** (2011 – 2012)



- Training of building operators.

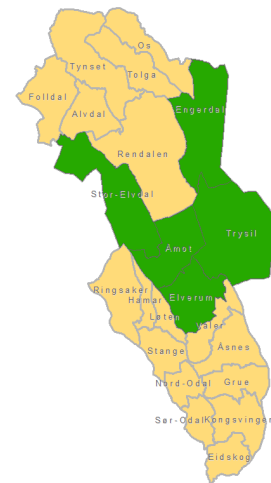
Regionrådet for Sør-Østerdal



ENSAMB: Project key task:

Energy savings in the small municipalities by:

- 1. Providing technical assistance and technical training**
- 2. Modeling inter-municipal cooperation Contracts (EPC)**
- 3. Modeling inter-municipal cooperation**



Estimated results EPC Sør-Østerdal

	Elverum	Engerdal, Stor-Elvdal, Trysil og Åmot	
Buildings	39	71	
Areal	Ca 97.000 m2	Ca 115.000 m2	
Investment	4'3 M€	4'0 M€	6,0 M€
Measures	≈ 300		446
Energy saving	23 %	26,5%	32,5%
Payback	9 years	6,8 years	9,5 years
Net present value (15 years)	2'3 M€	3'1 M€	3'4 M€
ESCO	SIEMENS	NEE A/S	

Regionrådet for Sør-Østerdal

Riga May 2014

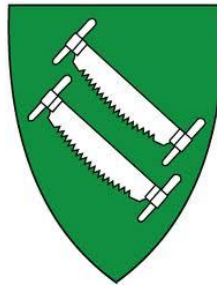




Elverum



Engerdal



Stor-Elvdal



Trysil



Åmot

Thank you for Your attention!

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Regionrådet for Sør-Østerdal



Regionrådet for Sør-Østerdal

