



REPUBLIC OF SLOVENIA  
**MINISTRY OF INFRASTRUCTURE**

# Nearly Zero Energy Building Areas

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## Energy consumption in buildings

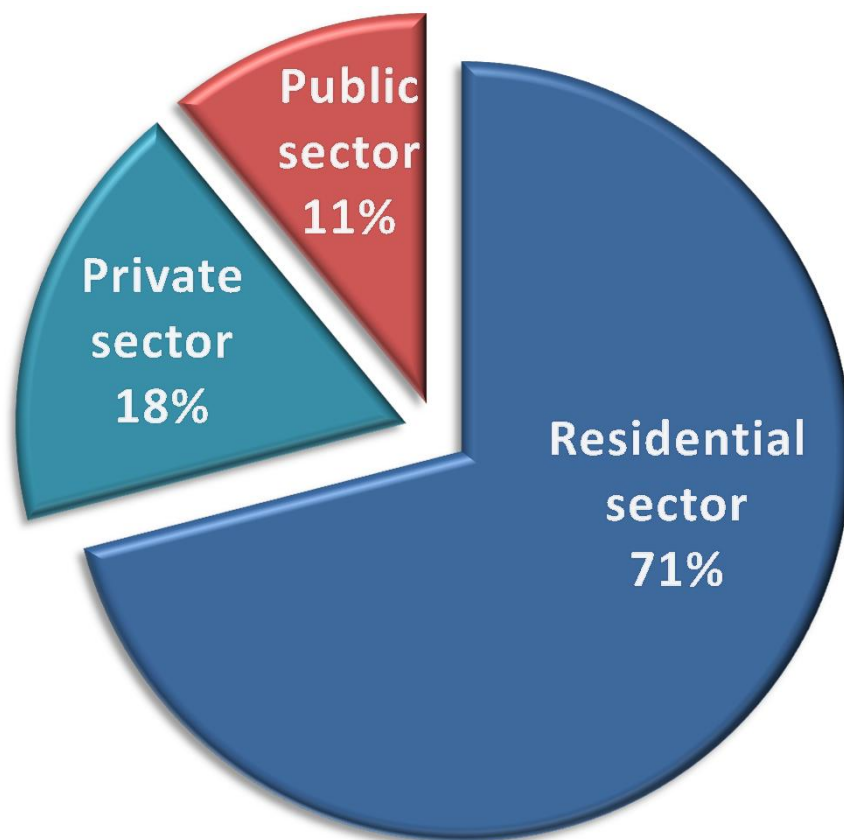
35% of all energy use

Energy consumption in buildings for heating and hot water

25% of all energy use



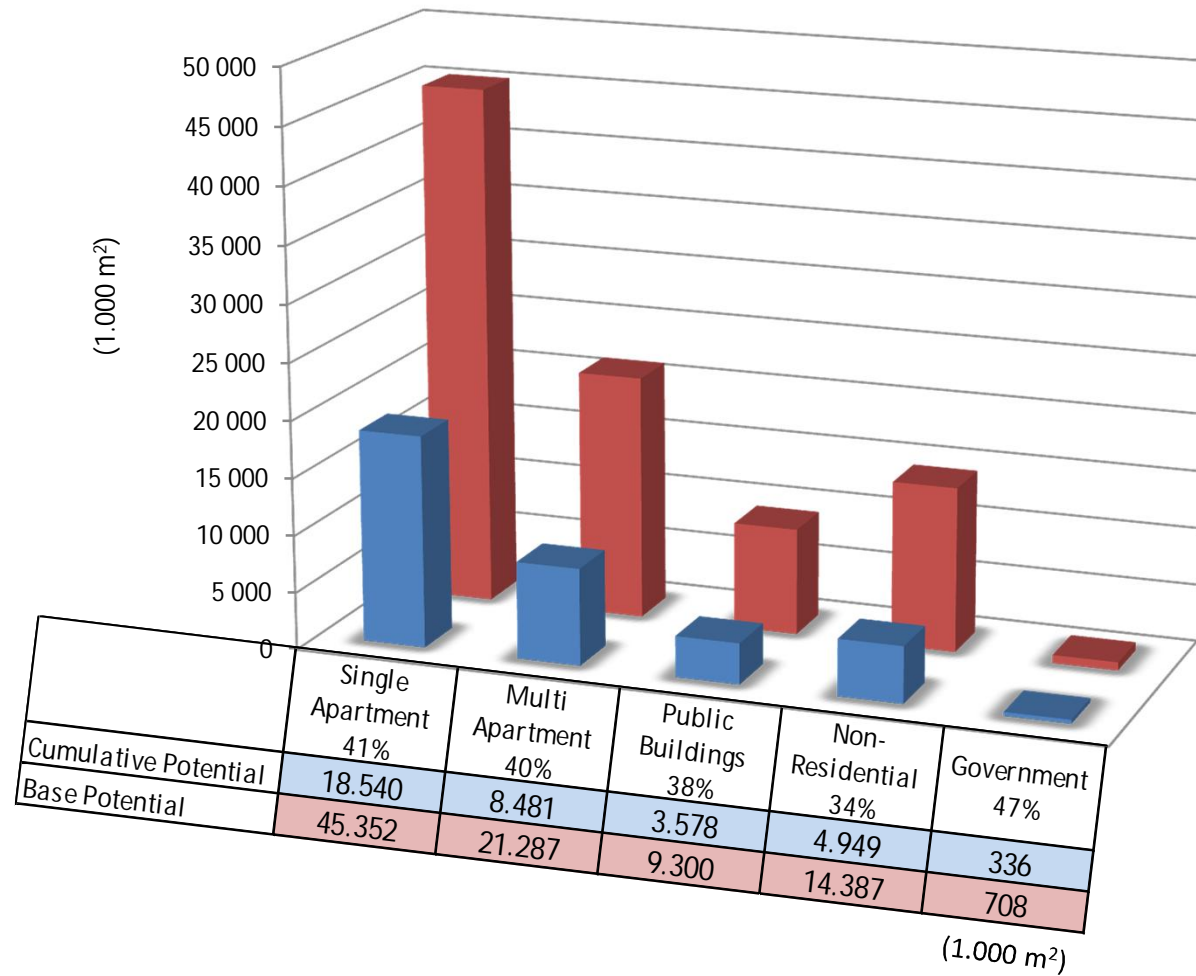
# Building Stock



BUILDING TYPE	SURFACE (000 m <sup>2</sup> )	SURFACE (%)
Single apartment	46.146	71%
Multi apartment	17.291	
Special purpose apartments	1.008	
Catering	3.008	18%
Business & Administration	7.409	
Commercial & other services	6.415	
General Public use	7.817	11%
Government	708	
<b>TOTAL</b>	<b>89.802</b>	



# Renovation Potential



## Strategy Goals in Numbers

- 6 million m<sup>2</sup> of Residential Building Stock to be renovated by 2020;
- 1,8 million m<sup>2</sup> of Public Sector Building Stock to be renovated in 2014–2023;
  - 180.000 m<sup>2</sup> of Government Sector included;
- 1,3 m<sup>2</sup> of Private Sector Building Stock to be renovated by 2020



# Action Plan for Renewable Energy 2010-2020

Estimated share of renewable energy in buildings

%	2005	2010	2015	2020
Residential sector	32,6	38,9	49,0	54,1
Comercial sector	11,4	21,0	31,4	41,1
Public sector				
Industry	17,1	18,0	19,8	22,1
Total	21,8	26,7	32,2	36,1



# „nZEB“

share of RES – at least 50%  
exceptions defined in PURES

Type of building	The maximum permissible value of primary energy per unit of conditioned area per year (kWh / m <sup>2</sup> a)		Share of RES (%)
	New construction	Major renovation	
Single family house	75	95	50
Multi family house	80	90	50
Non residential house	55	65	50

# Activities

In the preparation is **Energy Concept of Slovenia**

- the basic for future energy supply in Slovenia

**State heat plan and guidelines** to properly consider the optimal combination of renewable energy sources, of high-efficiency technologies and district heating and cooling when planning, designing, building and renovating industrial or residential areas. (RES Directive , article 14)





## Challenges for the future

- LEK is a document that provides the basis for development planning in the field of energy at the local community level.
- „LEK“ has much more potential - does not solve all the necessary EE and RES problems - nZEB

It requires the precise guidelines and criteria for a more comprehensive treatment

- The challenges - conflict of interests - energy independence of building and mandatory connection to a power source
- Discussion and consideration of special buildings - eg. Cultural Heritage





**the key is how to coordinate supply and demand site**

Energy topic should be more strongly integrated into  
spatial planning



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**... Thank you for your attention!!**

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