



**Tartu Regiooni Energiaagentuur**  
Tartu Regional Energy Agency

# Planning policy and regulations

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Regional Policies  
Towards **Green** Buildings

## **The Sustainable Development Act ...**

... provides for the **basis** of the national strategy of **sustainable development** and the basis of sustainable use of natural resources.

The **objective** of the sustainable use of the natural environment and natural resources is to ensure **living environment** which satisfies the people and the **resources** required for the **development of economy** without causing substantial damage to the **natural environment** and by maintaining natural diversity.

# Regulations

## **The Sustainable Development Act ...**

.... The action plan shall be prepared for the development of:

Energy,  
Transport,  
Agriculture,  
Forestry,  
Tourism  
Chemical industries  
Building materials industries  
Food industries.

# Regulations

The **mission of Estonian energy sector** is to ensure continuous, effective and environmentally sustainable energy supply with justified price and sustainable energy use.

# Regulations

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## National Laws related with energy sector

1. Sustainable Development Act
2. Electricity Act
3. Natural Gas Act
4. District Heating Act
5. LiquideFuel Act
6. Energy efficiency of equipment Act
7. Building Act

# Regulations

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## Electricity Market Act

The Electricity Market Act regulates the generation, transmission, sale, export, import and transit of electricity and the economic and technical management of the power system.

The Act prescribes the principles for the operation of the electricity market based on the need to ensure an **effective supply** of electricity at **reasonable prices** and **meeting environmental requirements** and the needs of customers, and **balanced, environmentally clean** and long-term use of energy sources

# Regulations

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## Electricity Market Act

... A producer is entitled to receive support from the transmission network operator:

**0.0537 euros per one kWh** of electricity if it is generated from a renewable energy source, (biomass in an efficient cogeneration process)

**0.032 euros per one kWh** of electricity if it is generated in an efficient cogeneration regime from waste within the meaning of the Waste Act, from peat or carbonisation gas obtained as a result of oil shale processing



## District Heating Act

... regulates the activities related to the production, distribution and sale of heat by way of district heating networks and connection to networks.

The abovementioned activities shall be coordinated in **compliance with environmental requirements** and the needs of the final customer.

A **district heating region** is an area determined by a comprehensive plan and formed by decision of the council of a local authority



# Regulations



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## Building Act

.. establishes requirements for  
buildings,  
construction materials,  
construction products and  
projects,  
building measurement projects  
designing buildings,  
construction work  
usage of buildings.

The Act establishes the **energy performance certificate** and its issuing order

# Regulations

## Energy performance certificate

An energy performance certificate is a Document which **states the rated energy demand** or the actual energy consumption level of the building.  
(kWh/m<sup>2</sup> per year)

valid for a period of 10 years

# Regulations

The requirements for energy performance:

For **new constructions**, per year

- 1) 160 kWh/m<sup>2</sup> for small residential buildings (including semi-detached and terraced houses)
- 2) 150 kWh/m<sup>2</sup> for apartment buildings
- 3) 160 kWh/m<sup>2</sup> for office and administrative buildings

For major renovations, per year

- 1) 210 kWh/m<sup>2</sup> for small residential buildings (including semi-detached and terraced houses)
- 2) 180 kWh/m<sup>2</sup> for apartment buildings
- 3) 210 kWh/m<sup>2</sup> for office and administrative buildings

# Regulations

The requirements for energy performance :

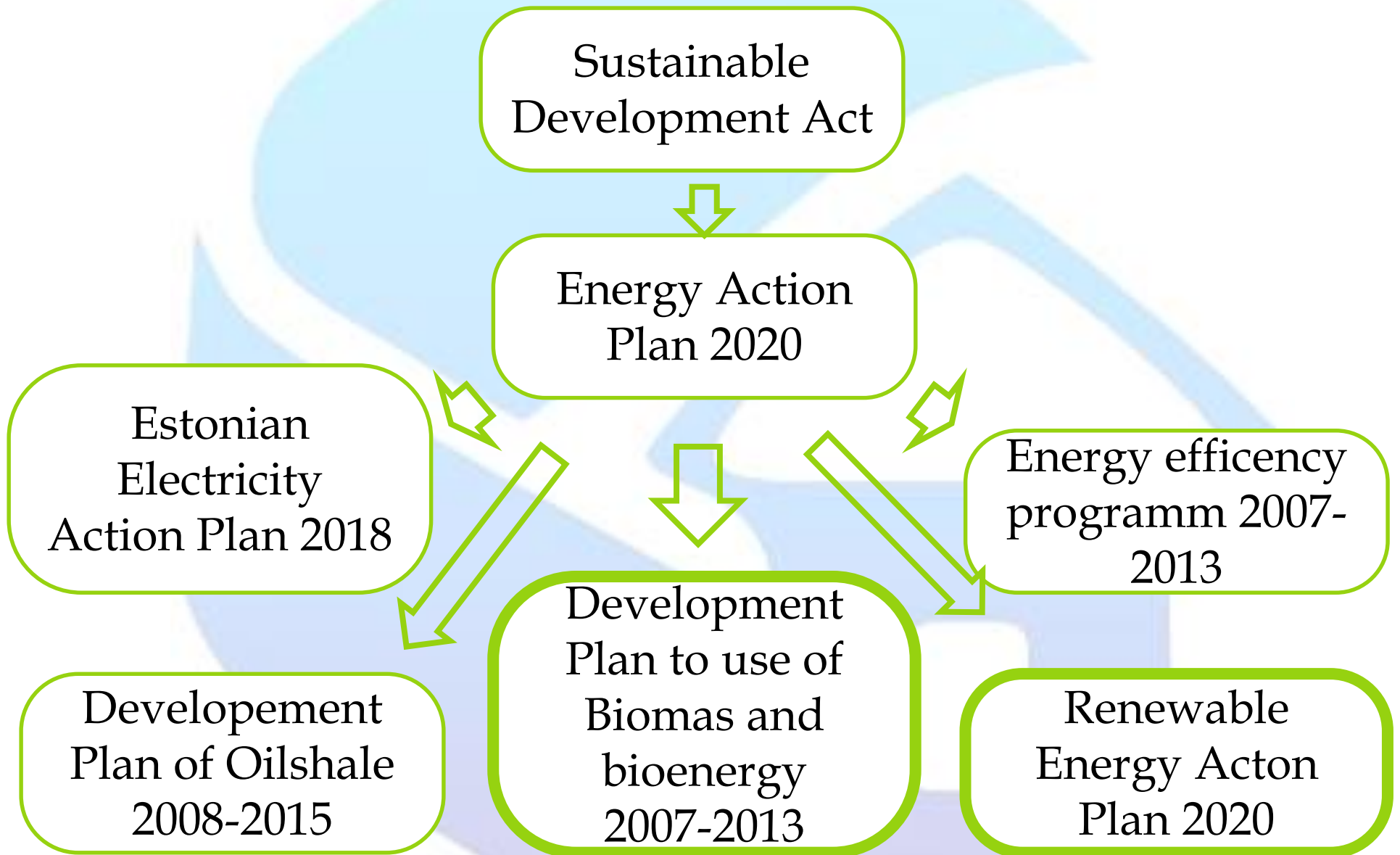
For **low-energy** buildings, per year

- 1) 120 kWh/m<sup>2</sup> for small residential buildings (including semi-detached and terraced houses)
- 2) 120 kWh/m<sup>2</sup> for apartment buildings
- 3) 130 kWh/m<sup>2</sup> for office and administrative buildings

For **nearly -zero**, per year

- 1) 50 kWh/m<sup>2</sup> for small residential buildings (including semi-detached and terraced houses)
- 2) 100 kWh/m<sup>2</sup> for apartment buildings
- 3) 100 kWh/m<sup>2</sup> for office and administrative buildings

# Regulations



## Regulations in region

Energy action plans/ strategies have **18 municipalities** of 90

**Three counties** have or composing energy strategies or plans

Põlva County – Study of renewable resources (2006)

Võru County - Energy Strategy ( 2012)

Tartu County - Energy Strategy ( plan 2013)



## Regulations in region

One “regional” energy strategy:

4 municipalities from two counties ( 2 from Võru county and 2 from Põlva county)

“Setomaa Common strategy for wider using of local renewable resources”

**AND one initiative „ SELF- ENERGY REGION“**

Composing process is managed and promoted by TREA





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Questions ?

or

thank you for your attention!

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