



Ministry of the Interior and
Kingdom Relations

Dutch policies on energy efficiency for public bodies and buildings

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NL Netherlands

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Non-residential buildings – facts & figures

- > 1 million buildings in “service sector”
 - 430 million m²
 - 162 m² is *industrial buildings*
- > ± 153.000 buildings in public and societal sector
 - ± 100 million m²
- > Estimation: 50.000 public buildings
 - 72 million m²

- > “service sector”:
 - G WHOLESALE AND RETAIL TRADE (en)
 - H TRANSPORTATION AND STORAGE (en)
 - I ACCOMMODATION AND FOOD SERVICE ACTIVITIES (en)
 - J PUBLISHING, BROADCASTING, AND CONTENT PRODUCTION AND DISTRIBUTION ACTIVITIES (en)
 - K TELECOMMUNICATION, COMPUTER PROGRAMMING, CONSULTING, COMPUTING INFRASTRUCTURE AND OTHER INFORMATION SERVICE ACTIVITIES (en)
 - L FINANCIAL AND INSURANCE ACTIVITIES (en)
 - M REAL ESTATE ACTIVITIES (en)
 - N PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES (en)
 - O ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES (en)
 - P PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY (en)
 - Q EDUCATION (en)
 - R HUMAN HEALTH AND SOCIAL WORK ACTIVITIES (en)
 - S ARTS, SPORTS AND RECREATION (en)
 - U ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS AND UNDIFFERENTIATED GOODS - AND SERVICE-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE (en)



Policies

- › Reduction on carbon dioxide emissions
 - Paris Climate agreement
 - Dutch Climate Agreement (2019)
- › Reduction on energy usage
 - Energy agreement (2013)



General policies for companies or organizations

Energy savings obligation:

- > take all energy efficiency measures with a payback period of five years or less

Notification obligation:

- > report every four years which measures they have and have not taken

Enforcement

- > 29 regional environmental services are responsible for the enforcement of the obligation

- > Target group: locations of companies or organizations with an annual energy consumption of more than 50.000 kWh of electricity or 25.000 m³ of natural gas(-equivalent)
- > Includes: fuel switch measures (e.g. electrification) and small-scale renewable energy production for self-consumption (e.g. solar PV)
- > Easy: List of Recognized Measures: measures that the government has determined to have a payback period of five years or less



General building policies

Stimulating the improvement of the energy performance of the buildings

- > By using the Energy Performance Certificate
- > Describing the end state in 2050: Renovation Standard
 - a kind of ZEB
- > Describing the minimum level for offices
- > Energy label obligation for governmental buildings

- We call it the **energy label**
- 8 building categories
- Goes from A+++++ to G
- primary non-renewable energy use in kWh/m².yr
- Calculated not measured
- Used already in various subsidies and financial measures





Energy label C obligation for office buildings



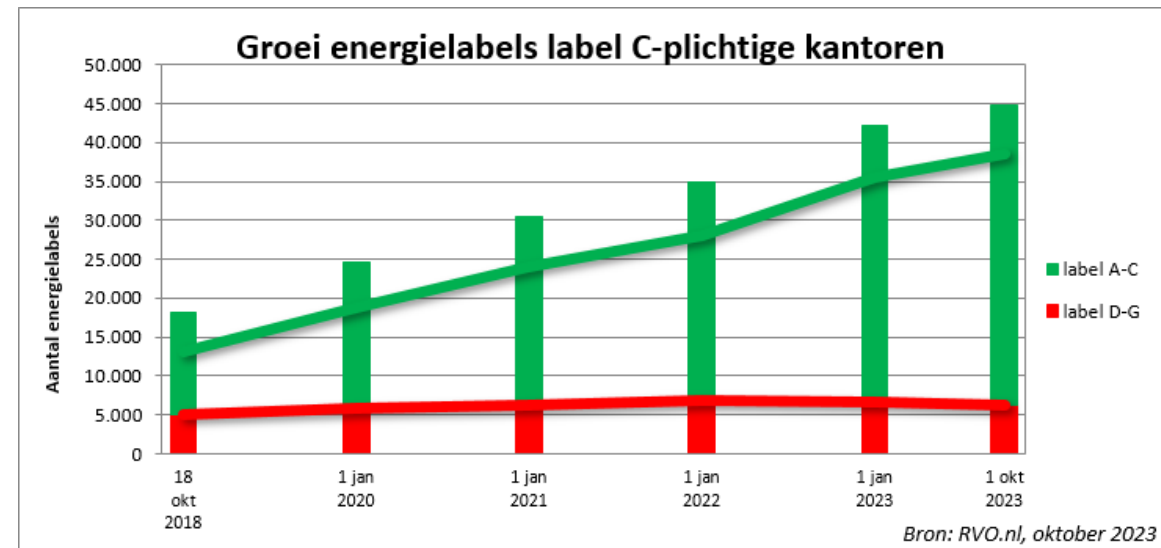
- Prohibition of use
- <225 kWh/m².yr energy use or label C or better
- Hardship clause for measures with return on investment >10 years
- Exceptions for building categories conform EPBD
- Enforcement by municipalities



Growth of label C offices

Office buildings	18-okt-18	1-jan-20	1-jan-21	1-jan-22	1-jan-23	1-jan-24
green label	20%	29%	37%	43%	56%	62%
red label	7%	8%	8%	9%	9%	9%
no label	73%	63%	55%	48%	35%	29%

Surface area	18-okt-18	1-jan-20	1-jan-21	1-jan-22	1-jan-23	1-jan-24
green label	31%	41%	51%	60%	72%	77%
red label	10%	11%	11%	11%	10%	10%
no label	59%	48%	37%	29%	18%	13%





Renovation standard

Building category	Label
Meeting	A+++
Prison cel	A++
Healthcare with bed	A++
Healthcare without bed	A+++
Office	A+++
Logies	A++
Eucation	A+++
Sport	A++
Retail	A+++

- > Until 2030 Renovation Standard
 - Very high energy performance
 - Cost optimal level
- > For now: technique neutral
- > From 2030 using ZEB
 - Very high energy performance
 - Fossil free
 - Maximal on renewable energy



General policy mix



- > Norms
- > Subsidies
- > Support
- > Financing support
- > Pricing



Specific policies for public and societal organizations

- › Subsidies
 - Public and societal sector (DUMAVA)
 - Deep energy retrofitting
 - measures
 - National real estate
- › Support
 - Measurement level
 - Building level
 - Portfolio level
 - Sector level
 - Sectoral roadmaps





DUMAVA - Subsidy on Sustainable Public and societal buildings

TARGET

The purpose of this scheme is to encourage owners of existing public real estate to invest in

- > a combination of energy efficiency measures; or
- > an integrated deep energy renovation project to improve the energy performance of the buildings.

TARGET GROUP

- > Local and regional governments
- > Educational institutions
- > Healthcare institutions
- > Cultural sector
- > Monuments (not residential)
- > Others with a public function



Measures in DUMAVA

- > Deep energy renovation project or major renovation
- > Cooling in built environment
- > Structural adjustments in the existing thermal shell / insulation
- > Heating, cooling, ventilation
- > Lighting
- > Other energy savings
- > Energy registration and monitoring system (BACS)
- > Renewable energy
 - Solar energy combined with a battery
- > Local energy or heat exchange
- > Energy transition
- > Energy certificate
- > Energy efficiency measures in monuments
- > Energy advice = mandatory



Reimbursement of DUMAVA

- > Subsidy:
 - 30% of the measures or project costs
 - 50% of the costs for advise and for an energy certificate
- > Deposit:
 - 100% (< €25.000 subsidy)
 - 70% (> €25.000 subsidy)
- > Reimbursement
 - 1 - 3 measures:
min €5.000 - max € 2.5 million subsidy
 - Deep energy renovation project:
min €25.000 - max € 2.5 million subsidy



Subsidy ceiling

FIRST AND SECOND INSTALMENT

- > 2022: 150 million euro
- > 2023: 190 million euro

- > Partially covered by RRF

THIRD INSTALMENT

- > At least 237 million euro
- > Opening in June 2024



Specific policies for public and societal organizations

Research

> Financing

- Diverse supply on financing renovations
 - Bank for municipalities (BNG)
 - Water boards bank
 - Ordinary banks

- Blanc spots

> Guarantee funds

- Diverse supply in guarantee funds
- Blanc spots

> Working on filling in blank spots

- Regional financing shops
- Sector specific funds
 - Sport
 - Culture
- Funds for renovation of Monument
- Fund for primary and secondary schools
- Guarantee fund for societal organizations



Status on *Public bodies*

- > Defined the target group
 - It's a specific group of the *public and societal organizations*
- > Work together on energy efficiency for organisations and buildings
 - Although two different ministries
- > Feasibility study on using the Renovation Standard
- > Streamline subsidies
 - Dumava and national level
- > 3% = ± 2 million m²
- > Considering
 - Report obligation
 - Energy usage
 - Buildings
 - Obligation to make a plan
- > Started with some communication
 - Sectoral roadmaps



Target group of public bodies

AUTHORITIES

- › National and provincial authorities
 - Agencies
- › Municipalities
- › Water boards

ENTITIES

- › Educational institutions
- › Cultural institutions with legal obligation
- › Agencies connected to regional and local authorities
- › Companies with government as shareholder



Listings

with bodies and entities IN the definition

National government
Local and regional government
National museums
Educational institutions
Academic hospitals

with entities OUT of the definition

Housing companies
Harbour companies
Schiphol airport
Nederlandse Spoorwegen (Railway)

with bodies and entities which are more societal organizations

Health care
Culture sector