

Options for a White Certificates scheme in the Netherlands

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What are White Certificates?

Similar concept with emissions trading schemes

Certificates that represent energy savings generated through energy saving measures.

These measures consist a part of the obligation set to the energy suppliers/ distributors for achieving energy saving in their customers.

The purpose of WhC:

- Accounting tool
- Trading commodity

Experiences so far...

	France	UK 2002-2005	UK 2005-2008	Italy
Basis	Mandatory	Mandatory	Mandatory	Mandatory
Drivers/Background	Revival of the energy demand-side management policy due to: <ul style="list-style-type: none"> National Kyoto targets Security of supply of Energy sources. 	<ul style="list-style-type: none"> UK Climate Change Programme Part of a package of measures within the Energy Efficiency Action Plan 	Id	Statutory obligation to achieve energy efficiency targets due to: <ul style="list-style-type: none"> National Kyoto targets EU Directives on market liberalisation of electricity and gas
Global energy saving targets			Finalised, agreed by	Quota system: 2.9 Mtoe/year, about 34 TWh/year (regime value in 2009), primary
Compliance period			March	Annual (2006-2010)
Other type requirements			Attention to consumers in	50% from electricity/gas consumption reduction
Obligation bound entities	Energy suppliers of: <ul style="list-style-type: none"> electricity, natural gas, GPL cooling and heating and domestic fuel (not for transports), Possibility to form consortia of fuel suppliers	Electricity suppliers and gas suppliers	Great Britain. 50% of energy savings to be achieved from a "priority group" of low-income consumers	Electricity and gas distributors

Extensively analyzed in
IEA/DSM Task XIV

Policy background in the Netherlands

Energy efficiency rate is low:

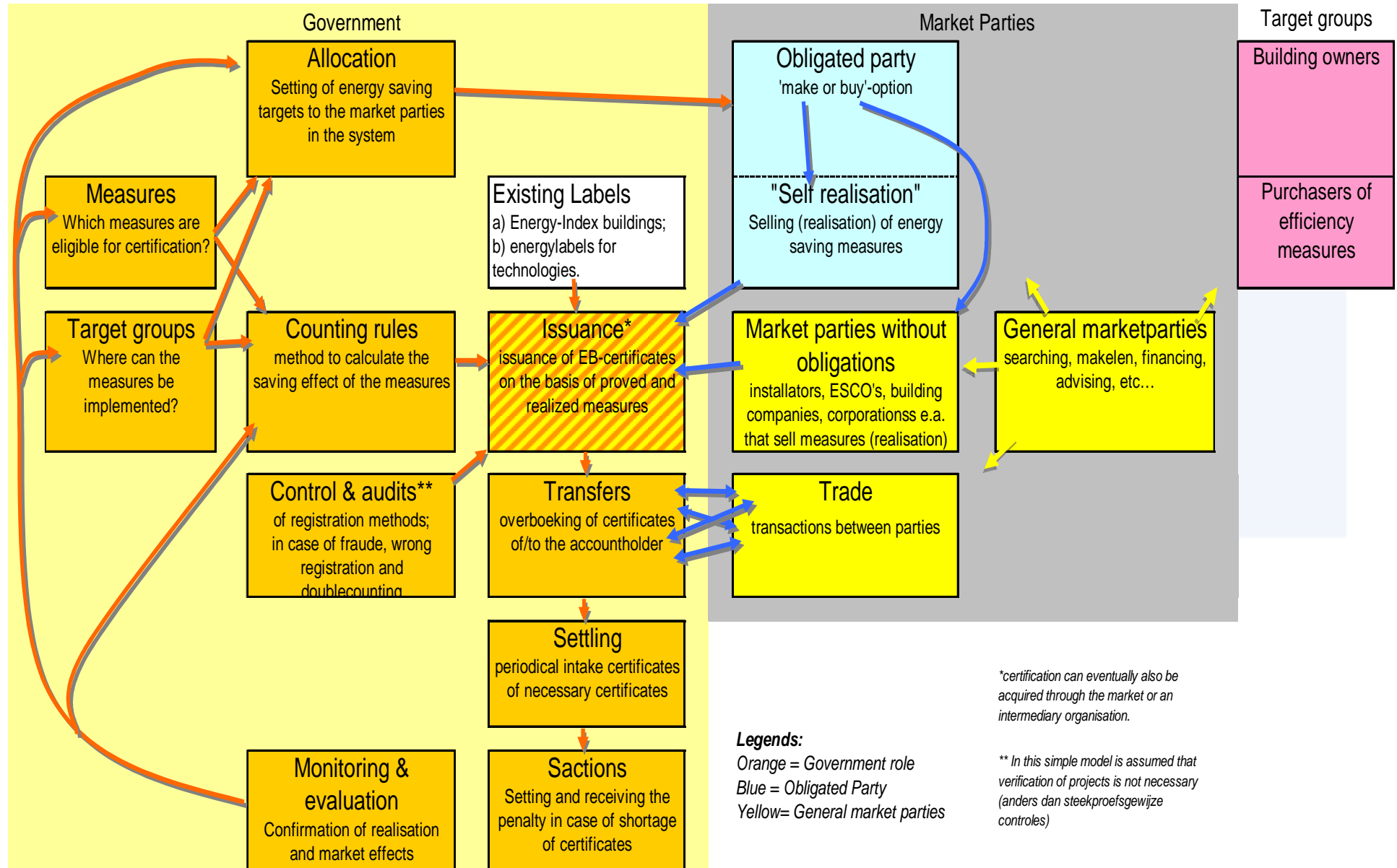
- Yearly energy efficiency improvement rate is 1%
(0.7% autonomous, 0.3% due to policy)
- Should be 1.5% / year
- Political debate: towards 2% yearly or more...
- EE & ES directive: indicatively 9% in the 9th year

Energy efficiency policies and measures in the Netherlands

- Energy taxes
- Energy Performance audits for existing buildings
- Voluntary energy saving schemes
- Environmental permits including energy management obligation
- Tax deduction
- Labelling
- Energy performance standards for new buildings

More information can be found in EU SAVE “White and Green” project

A general design



Some characteristics

- Period: 2008-2020
- 50-80 PJ primary energy as “additional” savings (in average 65 PJ)
- Target groups: households and tertiary sector
- Obligated party: Energy suppliers
- Threshold: Proportional to energy delivered to target groups
- Banking and borrowing allowed
- Non-obliged parties can create certificates

Eligible measures

- Building-linked: Strong links with the Energy Index and the EPBD Directive
 - White and brown goods
 - Small goods
 - Innovative goods
 - Behavioral measures
 - Leasing goods

Certification

Deemed savings approach based on a realistic 'energy saving value' (similar to ongoing Italian Energy Efficiency Titles scheme)

E.g. corrections for rebound, effective life span of measures, misuse, etc.

Certification preferably can be based on

EPBD energy-efficiency index (DEI-approach)

energy-efficiency labels for appliances (labels better than the ones with high market share)

Making things simpler...

- Register & certificates electronic & web-based
- Using existing EPBD tools and software to provide EI and ΔEI calculation
- Thresholds for certification
 - Either based on a minimum energy saving value or on a minimum number of measures (e.g. per 50 dwellings with improved EI; or per 1000 efficient dryers sold)
- Electronic proof of sales allowed
- No consumer involvement with certificates.

Currently

- Design options for a White Certificate scheme discussed
- Alternative policy options also on the agenda (e.g. tenders for energy efficiency without obligations)
- How can market players be triggered is under research.
- Links of White Certificates to energy certificates (EPBD) as from 2008
- Some more definitive results are expected in the coming months, after the elections



Thank you

For more information you can
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