

Statistics EECS certificates

Users Group meeting Vienna, 17 September 2008

WG UG 08/25

AIB-2008-MC01-05



1. Introduction

Statistics on the volumes of the certificate market are important for two reasons:

1. Market players need to follow the developments to make calculations on the prices.
2. RECS international needs the statistics on volumes for the lobby activities.

The format and frequency for publication is important for RECS International. In this memo a start is made to develop the format.

2. Support for lobby activities

The statistics provided by the AIB are not sufficiently detailed for lobby activities. For lobby activities it is important to concentrate on the redemption of the official GO.

Disclosure

For policy reasons, it is important to publish the volumes of redeemed GOs. RECS International is promoting the EECS system and the redemption of the GO as instrument to monitor cross border trade for disclosure and target counting. For this reason we as promoters of the system should not make mistakes ourselves and must make sure that the EECS system can be used in that way.

Required format for reporting:

- Reports of GOs (separate of the RECS certificates)
- Reports of redeemed GOs per country
- The redeemed GOs per country of origin

Note that the cross border redemption statements must be reported as well.

For target counting it will be important that the volumes of redeemed GOs that are eligible for target counting must be reported separately.

The statistics provided by the AIB are detailed enough to follow the market. The frequency can and must be improved.

3. Following the markets

To facilitate an effective market it is necessary for all market participants and other stakeholders to have reliable information on what is going on in the market.

Necessary information includes prices, volumes and product information. Both actual market information and historical information in the form of various statistics are necessary. Below is a short description of various statistical information needed to facilitate the market.

Volumes

To understand market price developments it is important to have a good view of key volumes in various market segments and the total market. What we feel RECS-I needs is:

- volumes issued,
- volumes transferred/exported/imported,
- volumes redeemed and
- volumes in stock divided into year of issuing.

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All figures should be specified on a product level, i.e. type of technology.

From the web-page of the RECS CMO operating the register in Norway and Denmark some available statistics for quarter 2 in 2007 are copies in. Copies are attached and more info can be found at <https://www.recscmo.org/public/statistics/statistics.asp>

Similar statistics are presented for the Swedish and Finnish markets at: <https://www.grexcmo.com/public/statistics/statistics.asp>

The statistics describe the activity in the market. Figures are up-dated on a daily basis and accumulated on a monthly basis. Every interested party has access to the figures through the web site of the CMO. These are examples to be followed in all domains.

But in the statistics described above and in the attachment some very important figures are missing:

- Stock figures are not available. As long as the redemption figures do not specify the year of issuance of redeemed certificates it is not possible to calculate the stock of various products (technologies) divided into year of production.
- Production year is important since most ways of consuming a certificate, i.e. allocating it to electricity consumption for fuel-mix disclosure and/or green product offerings, have some requirements to when the electricity being the basis for the certificate was produced.

Product

There are possibilities to define several different products in the certificate market. Products could be categorized according to technology, size of power plant, age of power plant, eligibility for various green labels, etc. To avoid making statistics too complicated, it is anticipated that the use of production technology as the only difference between various categories is sufficient.

Frequency

The statistics provided by the AIB are basically detailed enough to follow the market. The frequency can and must be improved.



Statistical information on the transactions

Energy source report for domain Norway

Transactions completed during 2007-04-01 - 2007-06-30 (UTC+0)

- Issued: Certificates issued to account holders in domain Norway (Date based on the end of the production date of the certificate, not the issuing date)
- Transferred: Gross number of Certificates transferred from account holders in domain Norway to other account holders in domain Norway during the time period
- Redeemed: Certificates redeemed by account holder in domain Norway (Date based on the redemption date)
- Exported: Certificates exported from account holders in domain Norway to account holders in other domains in RECS CMO and other CMOs (Exports initiated during the time period)
- Imported: Certificates imported to account holders in domain Norway from account holders in other domains in RECS CSMO and other CMOs (Imports received during the time period)



Energy source	Issued	Transferred	Redeemed	Exported	Imported
Wind-onshore	161 603	20 389			
Wave-onshore					
Wind-offshore					
Wave-offshore					
Tidal-onshore					
Tidal-offshore					
Geothermal					
Solar-photovoltaic					
Solar-thermal					
Hydro	16 725 265	48 006	6 092 014	1 242 587	
Biomass					
-Energy Crops					
-					
Forestry/agricultural waste					
-Landfill gas					
-Municipal waste					
-Industrial waste					
-Sewage gas					
-Biogas Other					
Total	16 886 868	68 395	6 092 014	1 242 587	

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Export statistics

Completed exports initiated during 2007-04-01 - 2007-06-30 (UTC+0)

Certificates exported from accountholders in RECS CMO domains to accountholders in other domains in RECS CMO and other CMOs.



From\To	Austria	Belgium	Belgium (Flanders)
Austria	-		
Denmark			
Finland			
Norway	172 000		16 887
Slovenia			
Sweden			

From\To	Denmark	Finland	France
Austria			
Denmark	-		
Finland		-	
Norway			6 700
Slovenia			
Sweden			

From\To	Germany	Norway	Slovenia
Austria			
Denmark			
Finland			
Norway	263 000	-	
Slovenia			-
Sweden			

From\To	Spain	Sweden	Switzerland
Austria			
Denmark			
Finland			
Norway		334 000	100 000
Slovenia			
Sweden		-	

From\To	the Netherlands
Austria	
Denmark	20 000
Finland	
Norway	350 000
Slovenia	
Sweden	