

CertiQ statistics Apr 2022

Renewable electricity

Guarantees of Origin

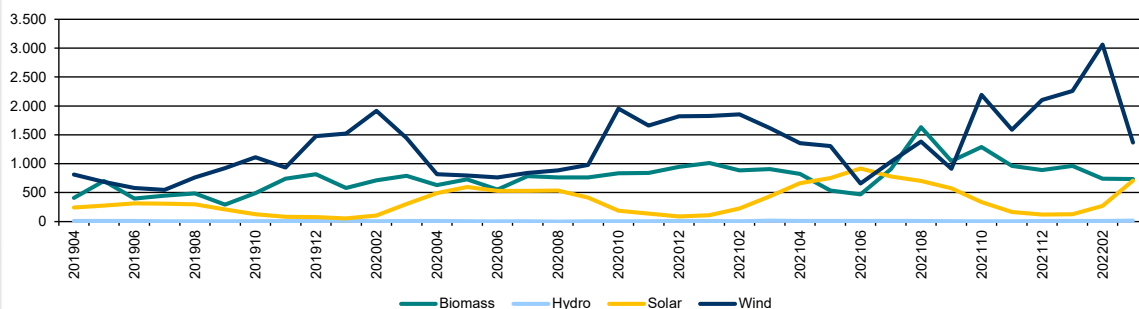
Production of renewable electricity in the Netherlands

(Based on issued Guarantees of Origin; in GWh)

Mar-2022 Last 12 months

	Mar-2022	Last 12 months
Total	2.815,3	36.378,9
Biomass	732,7	10.972,4
Hydro	10,7	95,0
Solar	705,1	6.097,9
Wind	1.366,8	19.213,6

Certified production of renewable electricity in the Netherlands (in GWh)



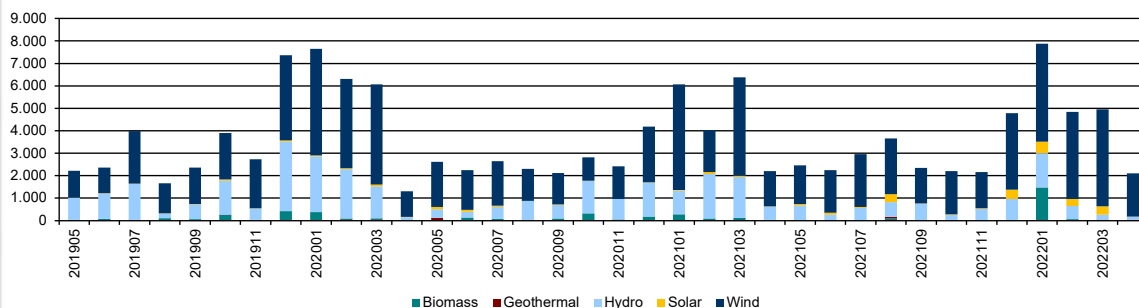
Imports of foreign Guarantees of Origin for renewable electricity

(In GWh)

Apr-2022 Last 12 months

	Apr-2022	Last 12 months
Total	2.105,0	42.601,7
Biomass	16,4	1.758,9
Geothermal	12,7	87,1
Hydro	143,8	7.064,5
Solar	1,0	2.204,8
Wind	1.931,0	31.486,4

Import of renewable electricity (in GWh)



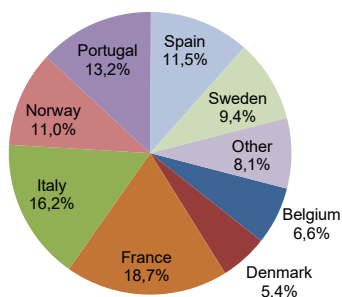
Originating countries* of imports April 2022

	Biomass	Geothermal	Hydro	Solar	Wind	Total
Total	16,4	12,7	143,8	1,0	1.931,0	2.105,0
Belgium	1,3	0,0	0,0	1,0	113,4	115,6
Denmark	0,0	0,0	0,0	0,0	52,5	52,5
Germany	0,0	0,0	0,0	0,0	0,0	0,0
Estonia	0,0	0,0	0,0	0,0	0,0	0,0
Finland	0,0	0,0	0,0	0,0	87,9	87,9
France	0,1	0,0	0,0	0,0	222,6	222,7
Ireland	0,0	0,0	0,0	0,0	0,0	0,0
Iceland	0,0	12,7	0,0	0,0	0,0	12,7
Italy	0,0	0,0	3,1	0,0	154,1	157,2
Croatia	0,0	0,0	0,0	0,0	80,0	80,0
Latvia	0,0	0,0	6,3	0,0	0,0	6,3
Lithuania	0,0	0,0	0,0	0,0	0,0	0,0
Luxembourg	0,0	0,0	0,0	0,0	0,0	0,0
Norway	0,0	0,0	100,4	0,0	263,6	363,9
Austria	0,0	0,0	0,0	0,0	0,0	0,0
Portugal	0,0	0,0	33,8	0,0	429,1	462,9
Slovenia	0,0	0,0	0,0	0,0	0,0	0,0
Spain	0,0	0,0	0,0	0,0	274,6	274,6
Czech Republic	15,0	0,0	0,2	0,0	32,9	48,1
Sweden	0,0	0,0	0,0	0,0	220,5	220,5

* I.e. the countries where the electricity was originally produced to which the imported Guarantees of Origin relate.

Guarantees of Origin

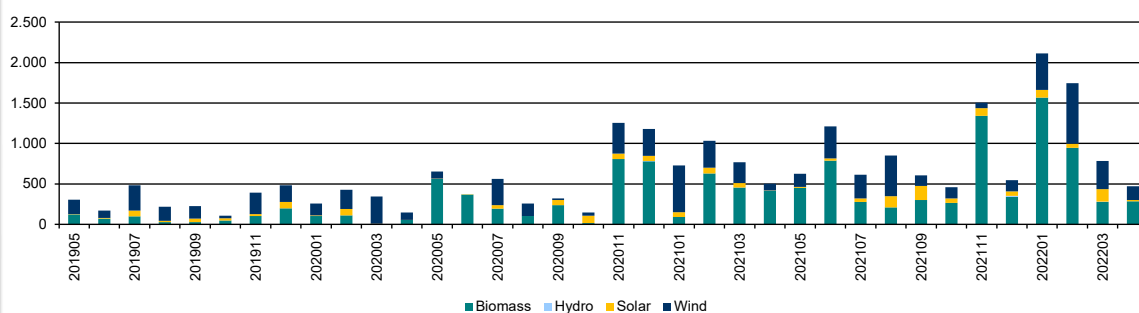
Originating countries of imports during the last 12 months



Exports of Dutch Guarantees of Origin for renewable electricity

(in GWh)		Apr-2022	Last 12 months
	Total	469,2	11.530,9
	Biomass	285,8	7.049,7
	Hydro	0,0	17,6
	Solar	13,2	916,6
	Wind	170,3	3.547,0

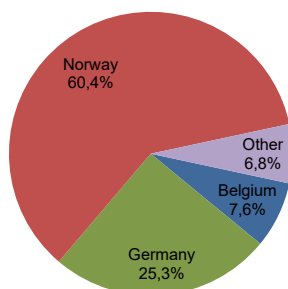
Export of renewable electricity (in GWh)



Destination countries of exports

April 2022		Biomass	Hydro	Solar	Wind	Total
(in GWh)	Total	285,8	0,0	13,2	170,3	469,2
	Austria	0,0	0,0	0,0	0,0	0,0
	Belgium	1,3	0,0	0,0	0,0	1,3
	Denmark	0,0	0,0	10,0	0,0	10,0
	Estonia	0,0	0,0	0,0	0,0	0,0
	Germany	63,4	0,0	0,0	63,2	126,6
	Finland	0,0	0,0	0,0	0,0	0,0
	France	0,0	0,0	0,0	0,0	0,0
	Italy	0,0	0,0	0,0	0,0	0,0
	Luxembourg	0,0	0,0	0,0	0,0	0,0
	Norway	221,1	0,0	2,4	107,1	330,5
	Portugal	0,0	0,0	0,0	0,0	0,0
	Czech Republic	0,0	0,0	0,0	0,0	0,0
	Sweden	0,0	0,0	0,8	0,0	0,8

Destination countries of exports during the last 12 months



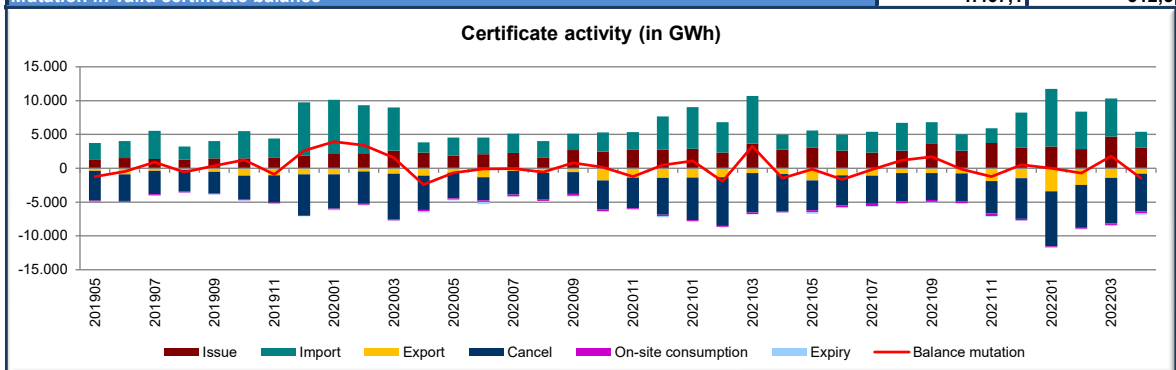
Guarantees of Origin

Cancelled Guarantees of Origin for renewable electricity		Apr-2022	Last 12 months
(In GWh)	Total	5.612,2	62.874,8

Originating countries** of cancelled Guarantees of Origin for renewable electricity							
April 2022		Biomass	Geothermal	Hydro	Solar	Wind	Total
(In GWh)	Total	540,4	12,7	322,2	509,9	4.227,0	5.606,9
	Belgium	1,3	0,0	0,0	0,0	115,0	116,3
	Denmark	0,0	0,0	0,0	0,0	98,5	98,5
	Germany	0,0	0,0	0,0	0,0	0,2	0,2
	Estonia	0,0	0,0	0,0	0,0	17,9	17,9
	Finland	0,0	0,0	0,0	0,0	61,4	61,4
	France	91,7	0,0	0,0	39,8	394,5	526,0
	Ireland	0,0	0,0	0,0	0,0	0,0	0,0
	Iceland	0,0	12,7	0,0	0,0	0,0	12,7
	Italy	3,9	0,0	125,8	26,0	213,4	369,1
	Croatia	0,0	0,0	0,0	0,0	87,3	87,3
	Latvia	3,3	0,0	34,3	0,0	0,0	37,6
	Lithuania	0,0	0,0	0,0	0,0	0,0	0,0
	Luxembourg	0,0	0,0	0,0	0,0	0,0	0,0
	Netherlands	425,1	0,0	1,1	321,9	1.747,6	2.495,8
	Norway	0,0	0,0	62,4	0,0	257,5	319,9
	Austria	0,0	0,0	0,0	0,0	0,1	0,1
	Portugal	0,0	0,0	43,8	0,0	455,7	499,5
	Slovenia	0,0	0,0	9,6	0,0	0,0	9,6
	Spain	0,0	0,0	4,4	114,3	439,9	558,6
	Czech Republic	15,0	0,0	0,2	2,6	9,0	26,8
	Sweden	0,0	0,0	40,6	0,0	329,1	369,7

** I.e. the countries where the electricity was originally produced to which the cancelled Guarantees of Origin relate.

Certificate activity (in GWh)	Apr-2022	Last 12 months
Issued certificates	3.062,1	37.384,1
Imported certificates	2.329,3	47.147,9
Increase of certificate balance	5.391,4	84.532,0
Exported certificates	787,8	17.636,6
Cancelled certificates	5.612,2	62.874,8
Certificates for on-site consumption (not tradable)	285,6	3.138,9
Expired certificates	172,9	1.194,1
Decrease of certificate balance	6.858,5	84.844,4
Increase of certificate balance	5.391,4	84.532,0
Decrease of certificate balance	6.858,5	84.844,4
Mutation in valid certificate balance	-1.467,1	-312,5



Certificate balance for guarantees of origin for renewable electricity***		Per 01-05-2022
(In GWh)	Total	21.218,4
	Biomass	4.410,4
	Geothermal	0,0
	Hydro	1.092,8
	Solar	2.310,5
	Wind	13.404,6

*** The numbers shown form a snapshot taken on the referenced date. In reality, the certificate balance is subject to constant change.

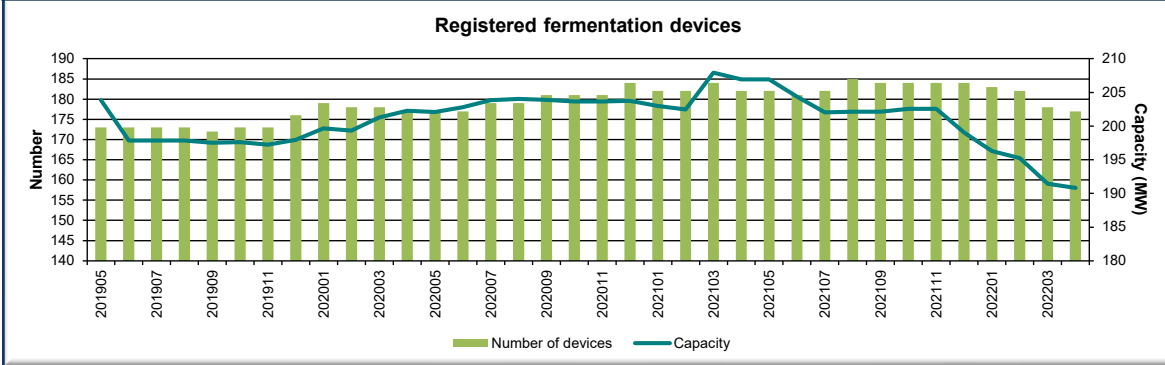
Production devices electricity

Production devices

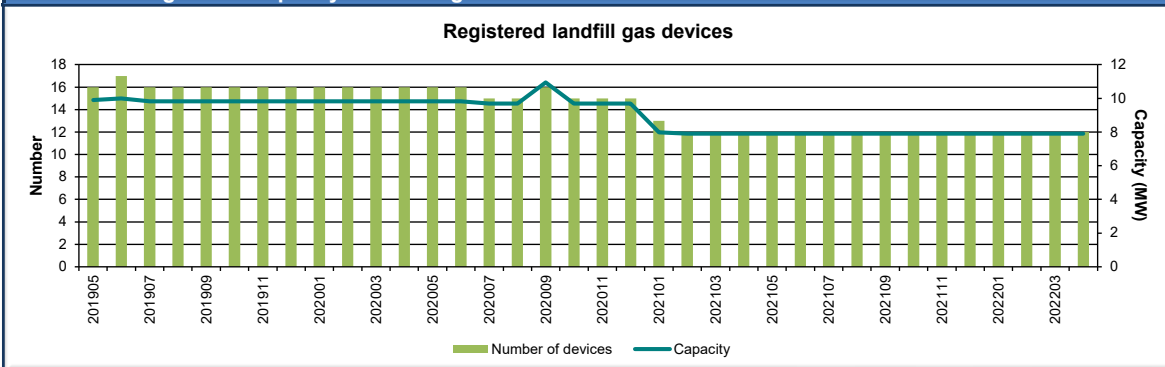
Per 01-05-2022

	Number	Capacity (MW)
Total	33.385	21.221,7
Biomass	261	5.304,1
<i>Of which:</i>		
Fermentation devices	177	190,8
Landfill gas devices	12	7,9
Waste incineration devices	16	797,2
Co-firing devices	5	3.991,0
Other biomass	51	317,1
Hydro	18	37,0
Solar	31.498	8.036,0
Wind	1.608	7.844,6

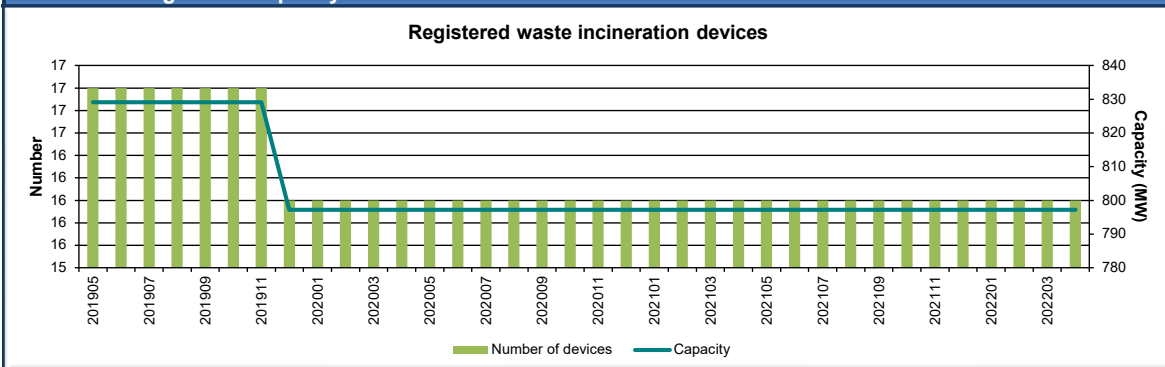
Number and registered capacity of fermentation devices



Number and registered capacity of landfill gas devices

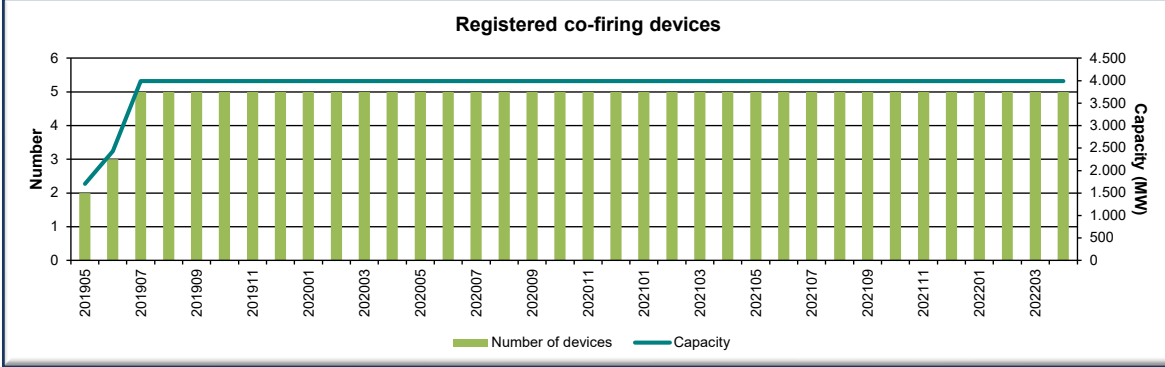


Number and registered capacity of waste incineration devices

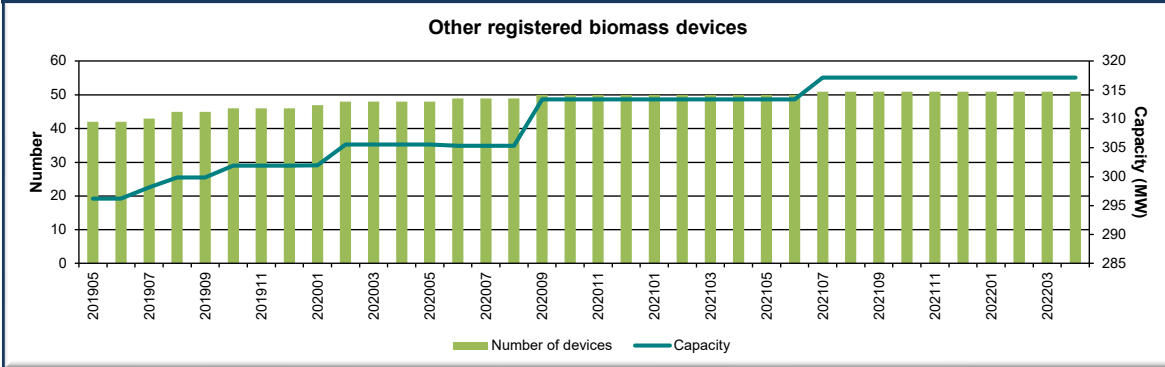


Production devices electricity

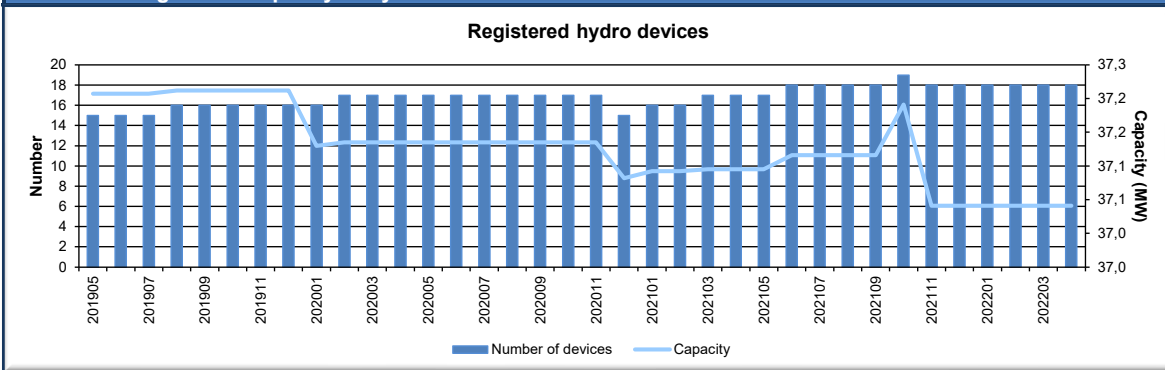
Number and registered capacity of co-firing devices



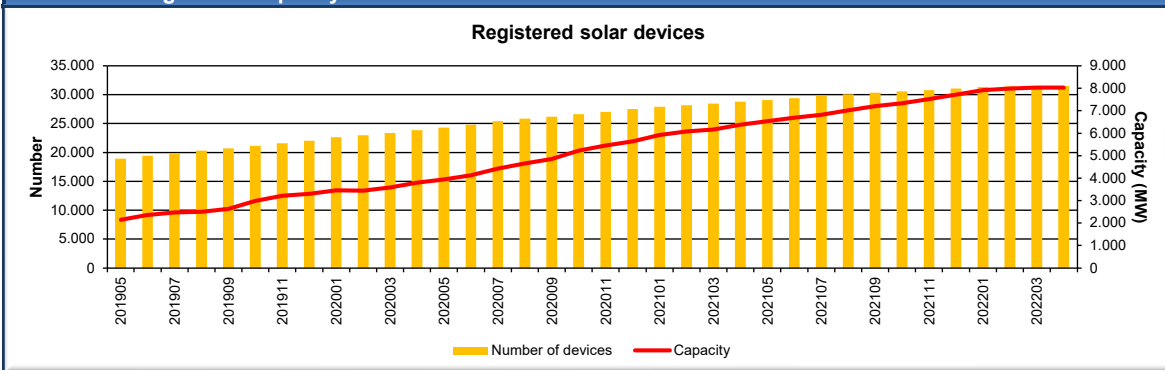
Number and registered capacity of other biomass devices



Number and registered capacity of hydro devices

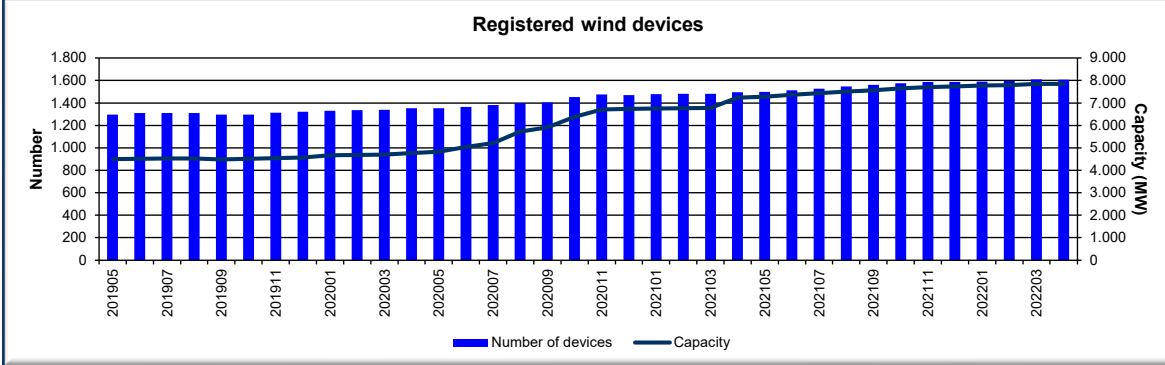


Number and registered capacity of solar devices



Production devices electricity

Number and registered capacity of wind devices

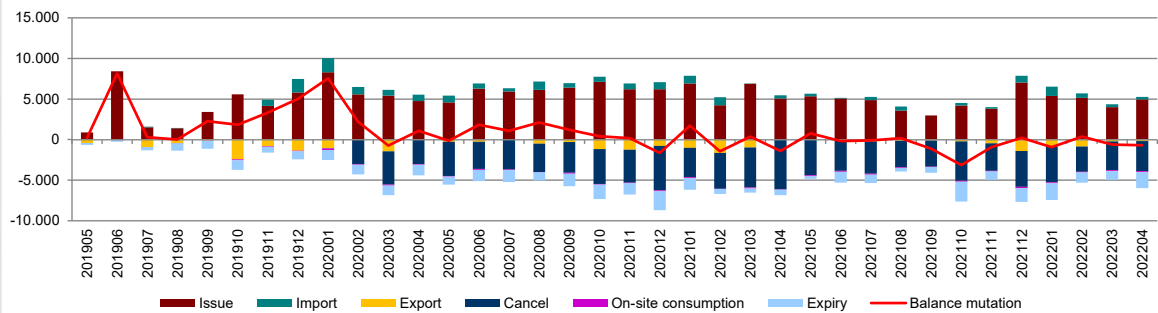


Non-renewable electricity

Certificates for non-renewable electricity

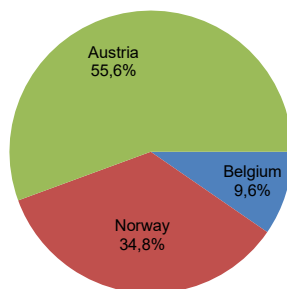
Certificate activity (in GWh)	Apr-2022	Last 12 months
Issued certificates	4.927,8	56.330,8
Of which:		
Natural gas	3.596,7	39.572,9
Municipal waste	118,8	1.217,0
Hard coal	689,6	8.963,8
Nuclear	351,4	3.615,9
Other	171,3	2.961,3
Imported certificates	349,4	4.981,3
Increase of certificate balance	5.277,2	61.312,1
Exported certificates	200,0	4.783,7
Cancelled certificates	3.684,6	46.157,1
Certificates for on-site consumption (not tradable)	120,1	1.229,4
Expired certificates	1.967,5	15.352,1
Decrease of certificate balance	5.972,2	67.522,2
Increase of certificate balance	5.277,2	61.312,1
Decrease of certificate balance	5.972,2	67.522,2
Mutation in valid certificate balance	-695,0	-6.210,1

Certificate activity (in GWh)



Exports of Dutch certificates for non-renewable electricity (in GWh)	Apr-2022	Last 12 months
Total	200,0	4.783,7
Belgium	0,0	459,1
Norway	100,0	1.665,5
Austria	100,0	2.659,1
Sweden	0,0	0,0

Destination countries of exports during the last 12 months



Certificate balance for certificates for non-renewable electricity *** (in GWh)	Per 01-05-2022
Total	35.128,6
Natural gas	25.347,2
Municipal waste	982,2
Hard coal	5.273,4
Fossil other	1.100,4
Nuclear	2.425,4

Production devices

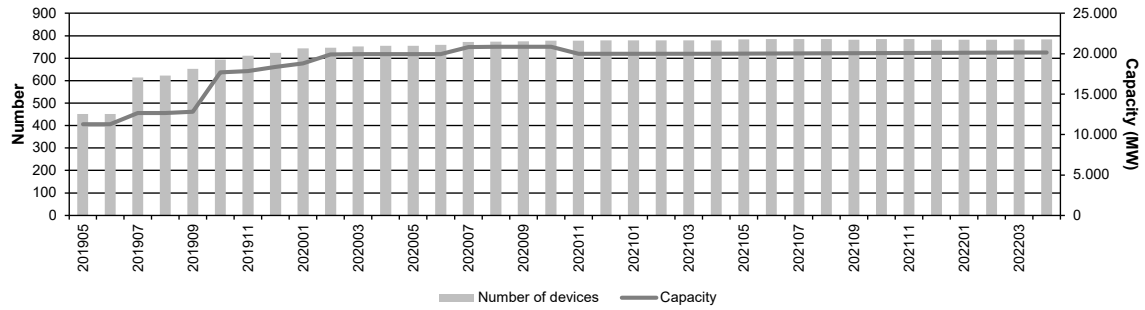
Production devices with certification of non-renewable electricity

Per 01-05-2022

Number	Capacity (MW)
784	20.137,5

Number and registered capacity of production devices with certification of non-renewable electricity

Devices registered for certification of non-renewable electricity



Renewable heat

Guarantees of Origin for heat

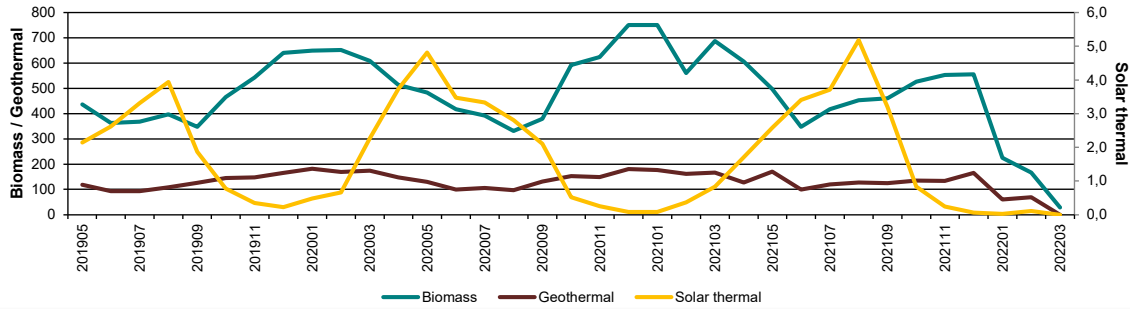
Production of renewable heat in the Netherlands

(Based on issued Guarantees of Origin; in GWh)

Last 12 months

Total	6.187,0
Biomass	4.836,3
Geothermal	1.329,6
Solar thermal	21,1

Certified production of renewable heat in the Netherlands (in GWh)



CertiQ determines production volumes for renewable heat based on measurement reports which are approved by officially recognised metering companies, and submitted by the relevant producer. For smaller production devices (≤ 3 MWth) such reports are submitted retrospectively in April of each year, whereas for larger devices such reports are submitted monthly. Therefore, for the current year the chart above always only shows the total of production volumes that CertiQ has collected and verified.

Production devices for heat

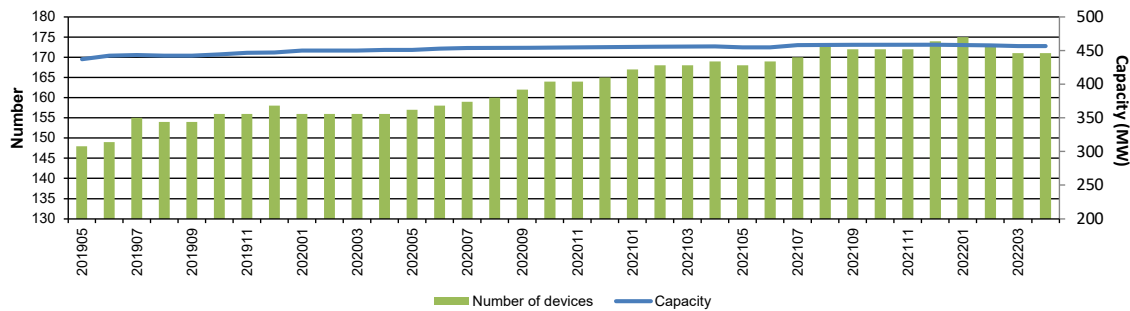
Production devices for heat

As per 01-05-2022

	Number	Capacity (MW)
Total	501	3.749,8
Biomass	430	3.163,8
<i>Of which:</i>		
Fermentation devices	171	456,8
Co-firing devices	5	932,7
Other biomass	254	1.774,4
Geothermie	24	533,5
Zon	47	52,5

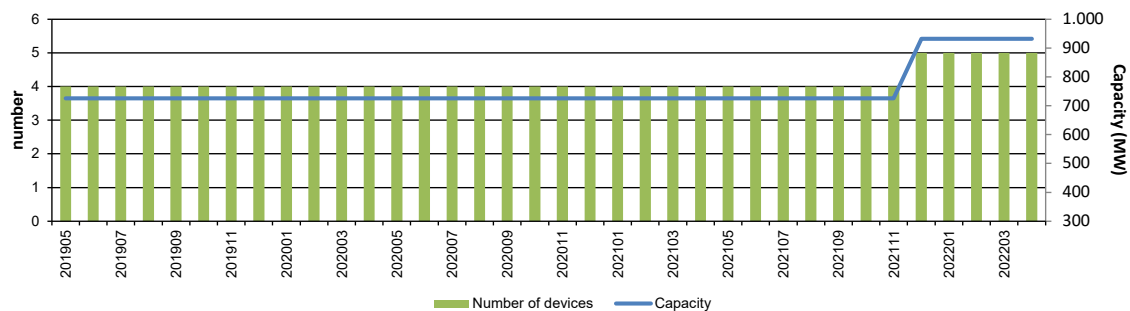
Number and registered capacity of fermentation devices

Registered fermentation devices



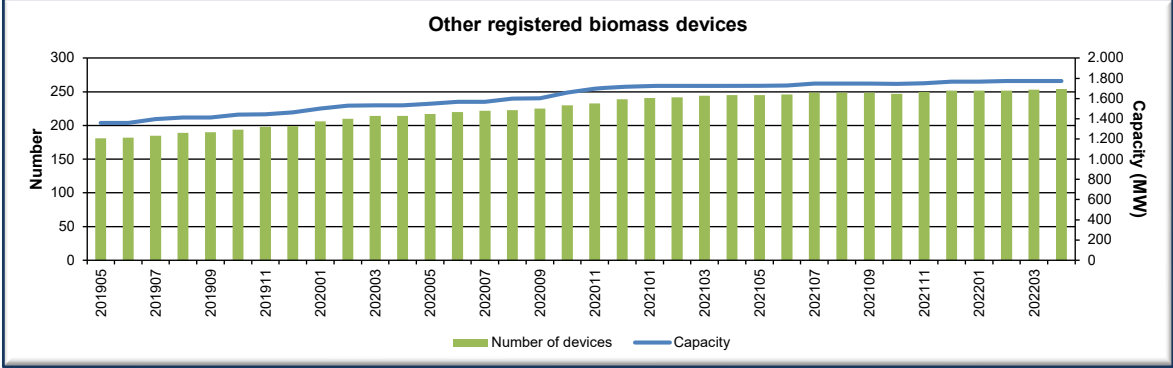
Number and registered capacity of co-firing devices

Registered co-firing devices

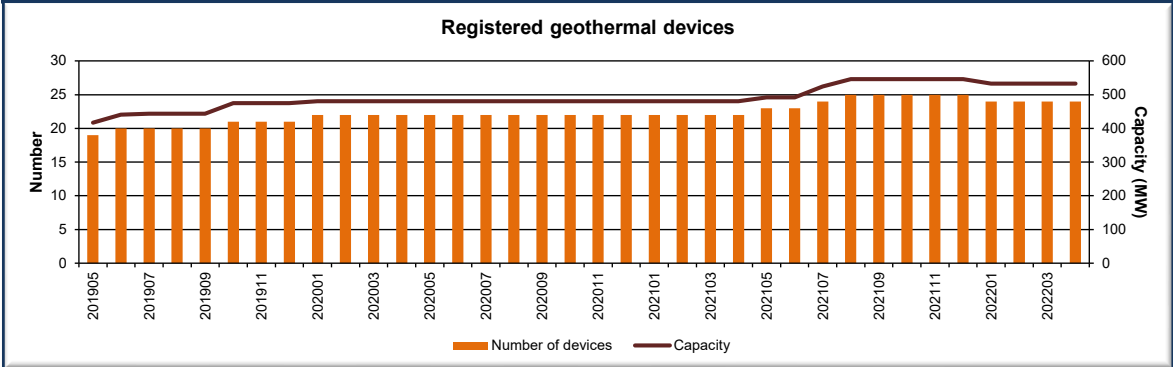


Production devices for heat

Number and registered capacity of other biomass devices



Number of and registered capacity of geothermal devices



Number of and registered capacity of solar thermal devices

