

CertiQ statistics Aug 2022

Renewable electricity

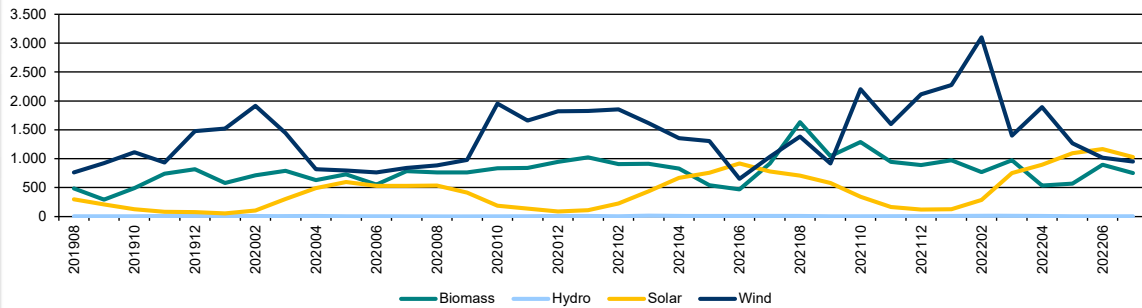
Guarantees of Origin

Production of renewable electricity in the Netherlands

(Based on issued Guarantees of Origin; in GWh)

	Jul-2022	Last 12 months
Total	2.729,9	38.709,3
Biomass	752,8	11.266,1
Hydro	0,6	73,6
Solar	1.026,3	7.249,3
Wind	950,3	20.120,3

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

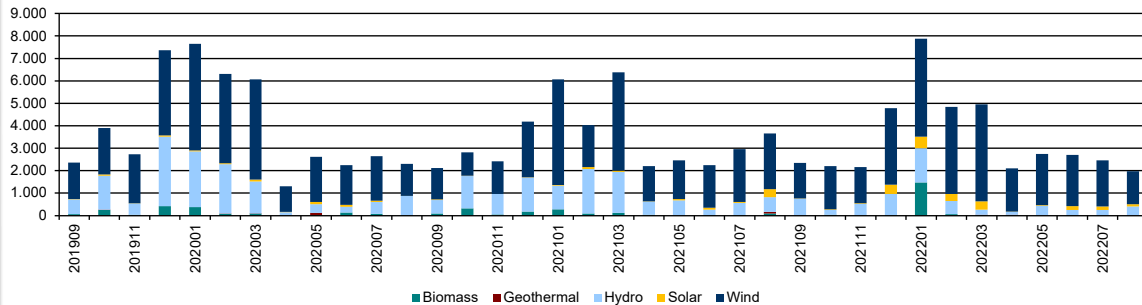


Imports of foreign Guarantees of Origin for renewable electricity

(In GWh)

	Aug-2022	Last 12 months
Total	1.975,5	41.167,6
Biomass	0,0	1.651,8
Geothermal	0,0	14,9
Hydro	408,7	6.268,4
Solar	102,2	2.115,7
Wind	1.464,6	31.116,7

Import of renewable electricity (in GWh)



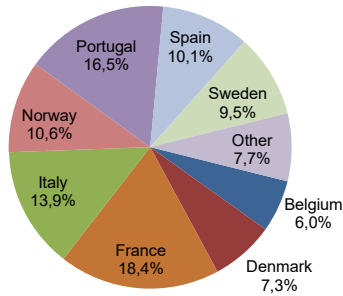
Originating countries* of imports August 2022

	Biomass	Geothermal	Hydro	Solar	Wind	Total
Total	0,0	0,0	408,7	102,2	1.464,6	1.975,5
Belgium	0,0	0,0	0,0	0,1	66,6	66,7
Denmark	0,0	0,0	0,0	0,0	303,3	303,3
Germany	0,0	0,0	0,0	0,0	4,3	4,3
Estonia	0,0	0,0	0,0	0,0	45,0	45,0
Finland	0,0	0,0	60,0	0,0	13,5	73,5
France	0,0	0,0	50,5	67,3	198,7	316,5
Ireland	0,0	0,0	0,0	0,0	0,0	0,0
Iceland	0,0	0,0	8,4	0,0	0,0	8,4
Italy	0,0	0,0	25,0	30,1	146,3	201,4
Croatia	0,0	0,0	0,0	0,0	43,4	43,4
Latvia	0,0	0,0	0,0	0,0	0,0	0,0
Lithuania	0,0	0,0	0,0	0,0	5,0	5,0
Luxembourg	0,0	0,0	0,0	0,0	2,3	2,3
Norway	0,0	0,0	135,8	0,0	222,1	357,9
Austria	0,0	0,0	2,7	0,0	1,0	3,7
Portugal	0,0	0,0	6,5	0,0	0,0	6,5
Slovakia	0,0	0,0	0,0	0,0	0,0	0,0
Slovenia	0,0	0,0	10,0	0,0	0,0	10,0
Spain	0,0	0,0	0,0	4,6	63,2	67,8
Czech Republic	0,0	0,0	0,7	0,0	0,0	0,7
Sweden	0,0	0,0	109,1	0,0	349,9	459,1

* 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

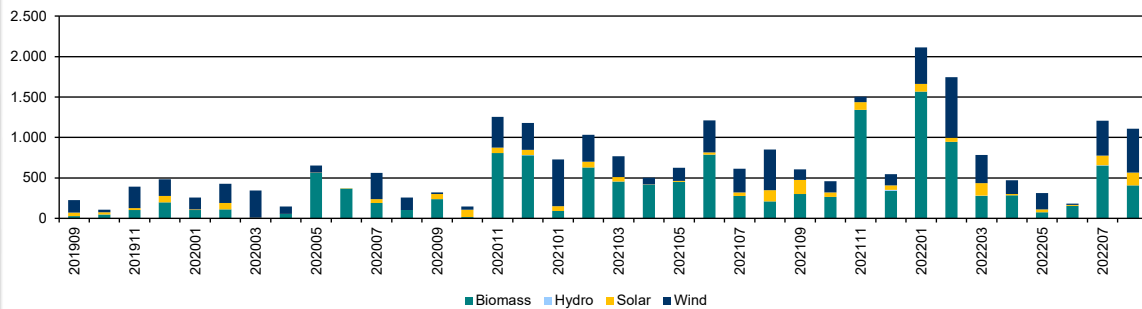
(in GWh)

Aug-2022

Last 12 months

	Total	Aug-2022	Last 12 months
Total		1.106,8	11.042,4
Biomass		409,2	6.618,6
Hydro		0,0	24,6
Solar		155,9	1.009,3
Wind		541,6	3.390,0

Export of renewable electricity (in GWh)

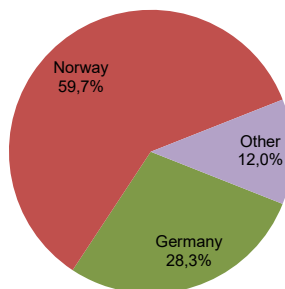


Destination countries of exports

August 2022

	Biomass	Hydro	Solar	Wind	Total
Total	409,2	0,0	155,9	541,6	1.106,8
Austria	0,0	0,0	0,0	0,0	0,0
Belgium	0,0	0,0	0,0	0,0	0,0
Denmark	0,0	0,0	0,0	0,0	0,0
Estonia	0,0	0,0	0,0	0,0	0,0
Germany	103,0	0,0	94,4	416,6	614,0
Finland	40,0	0,0	0,0	0,0	40,0
France	11,3	0,0	0,0	0,0	11,3
Italy	0,0	0,0	0,0	0,0	0,0
Luxembourg	0,0	0,0	0,0	0,0	0,0
Norway	255,0	0,0	61,5	125,0	441,5
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	0,0	0,0	0,0

Destination countries of exports during the last 12 months



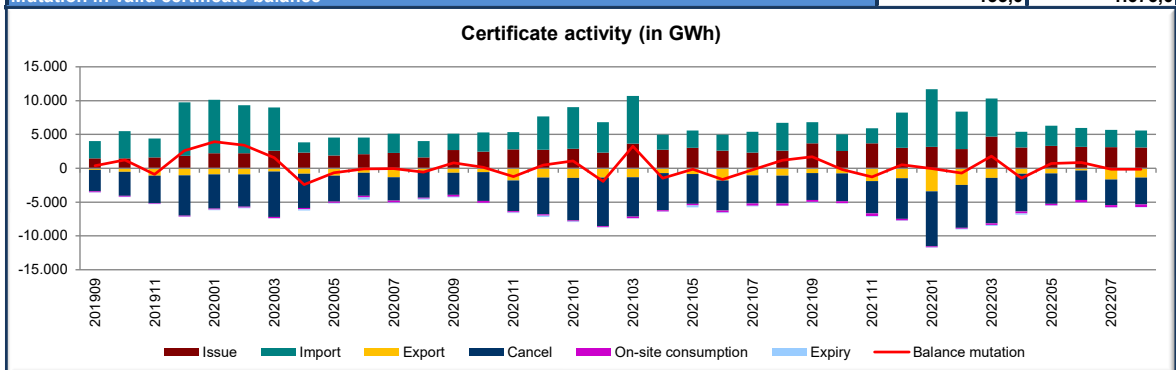
Guarantees of Origin

Cancelled Guarantees of Origin for renewable electricity		Aug-2022	Last 12 months
(In GWh)	Total	3.999,6	62.305,3

Originating countries** of cancelled Guarantees of Origin for renewable electricity							
August 2022							
	Biomass	Geothermal	Hydro	Solar	Wind	Total	
(In GWh)	Total	429,6	0,0	207,0	553,4	2.809,6	3.998,7
Belgium	0,0	0,0	0,0	0,1	78,5	78,6	
Denmark	0,0	0,0	0,0	0,0	251,2	251,2	
Germany	0,0	0,0	0,0	0,0	4,1	4,1	
Estonia	0,0	0,0	0,0	0,0	8,5	8,6	
Finland	0,0	0,0	0,5	0,0	39,4	39,8	
France	160,3	0,0	9,8	52,7	160,8	383,5	
Ireland	0,0	0,0	0,0	0,0	2,0	2,0	
Iceland	0,0	0,0	1,5	0,0	0,0	1,5	
Italy	81,1	0,0	35,0	35,3	368,6	520,1	
Croatia	0,0	0,0	0,0	0,0	6,8	6,8	
Latvia	0,0	0,0	5,9	0,0	3,3	9,2	
Lithuania	0,0	0,0	0,0	0,0	0,0	0,0	
Luxembourg	0,0	0,0	0,0	0,0	2,6	2,6	
Netherlands	171,3	0,0	0,3	392,8	1.153,6	1.718,0	
Norway	1,4	0,0	45,4	0,0	326,7	373,5	
Austria	0,0	0,0	0,6	0,0	1,2	1,9	
Portugal	0,0	0,0	17,1	1,9	98,0	117,0	
Slovenia	0,0	0,0	0,0	0,0	0,0	0,0	
Spain	0,0	0,0	5,4	67,6	173,3	246,3	
Czech Republic	15,5	0,0	1,8	2,0	7,5	26,7	
Sweden	0,0	0,0	83,8	0,0	123,4	207,3	

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

Certificate activity (in GWh)	Aug-2022	Last 12 months
Issued certificates	3.086,6	39.403,6
Imported certificates	2.508,9	45.889,2
Increase of certificate balance	5.595,6	85.292,7
Exported certificates	1.371,0	17.102,9
Cancelled certificates	3.999,6	62.305,3
Certificates for on-site consumption (not tradable)	339,7	3.267,1
Expired certificates	40,3	941,4
Decrease of certificate balance	5.750,6	83.616,7
Increase of certificate balance	5.595,6	85.292,7
Decrease of certificate balance	5.750,6	83.616,7
Mutation in valid certificate balance	-155,0	1.676,0



Certificate balance for guarantees of origin for renewable electricity***		Per 01-09-2022
(In GWh)	Total	22.316,1
	Biomass	4.612,3
	Geothermal	0,0
	Hydro	1.070,1
	Solar	3.750,3
	Wind	12.883,4

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

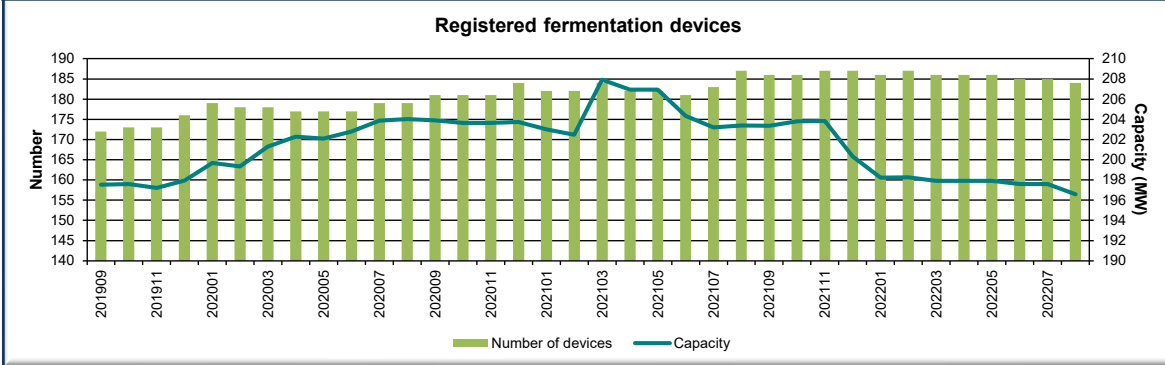
Production devices electricity

Production devices

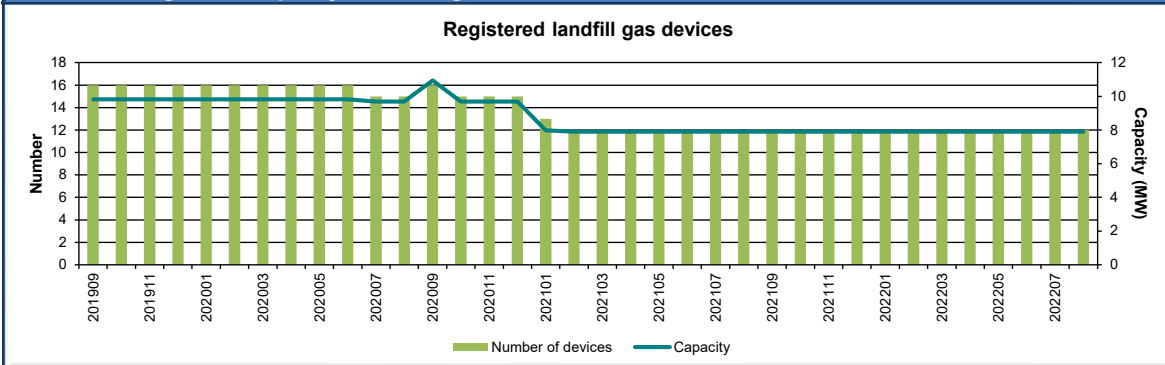
Per 01-09-2022

	Number	Capacity (MW)
Total	34.308	22.130,1
Biomass	268	5.245,4
<i>Of which:</i>		
Fermentation devices	184	196,6
Landfill gas devices	12	7,9
Waste incineration devices	15	732,2
Co-firing devices	5	3.991,0
Other biomass	52	317,7
Hydro	19	37,8
Solar	32.384	8.726,9
Wind	1.637	8.120,0

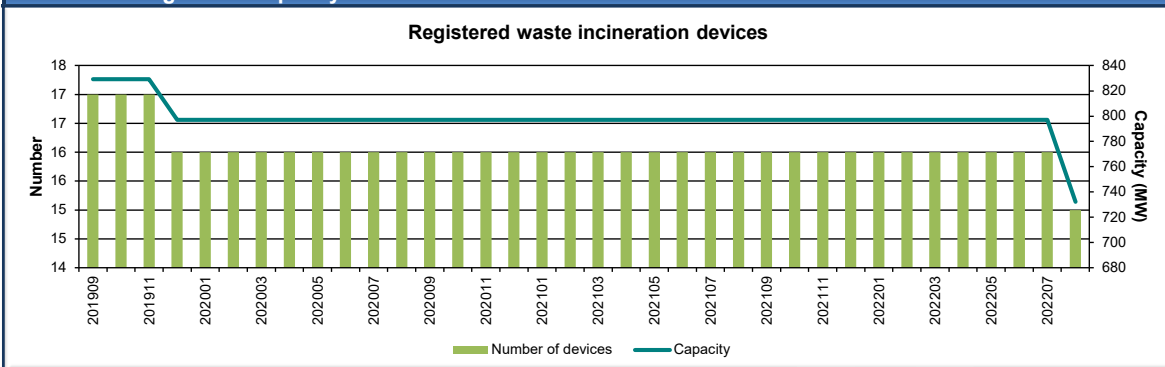
Number and registered capacity of fermentation devices



Number and registered capacity of landfill gas devices

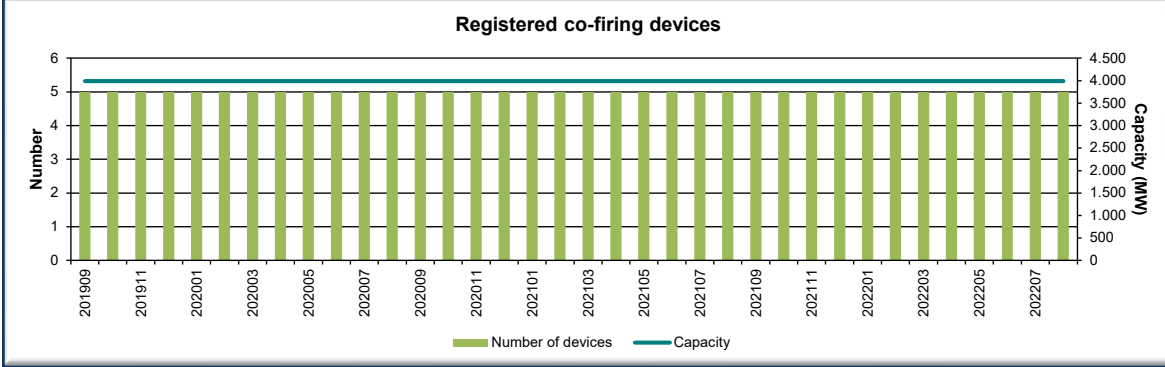


Number and registered capacity of waste incineration devices

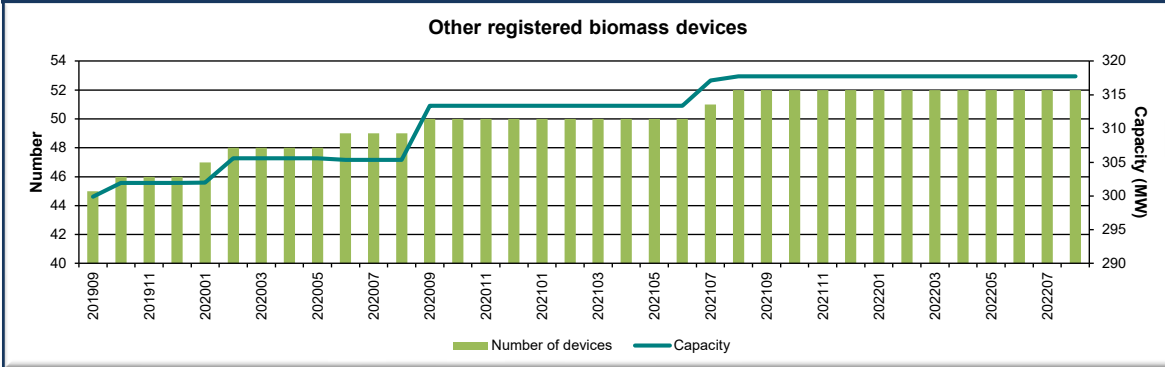


Production devices electricity

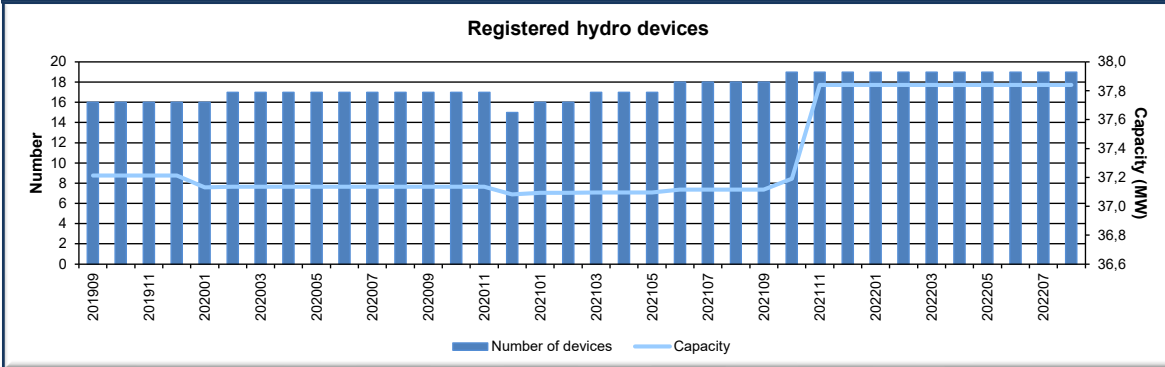
Number and registered capacity of co-firing devices



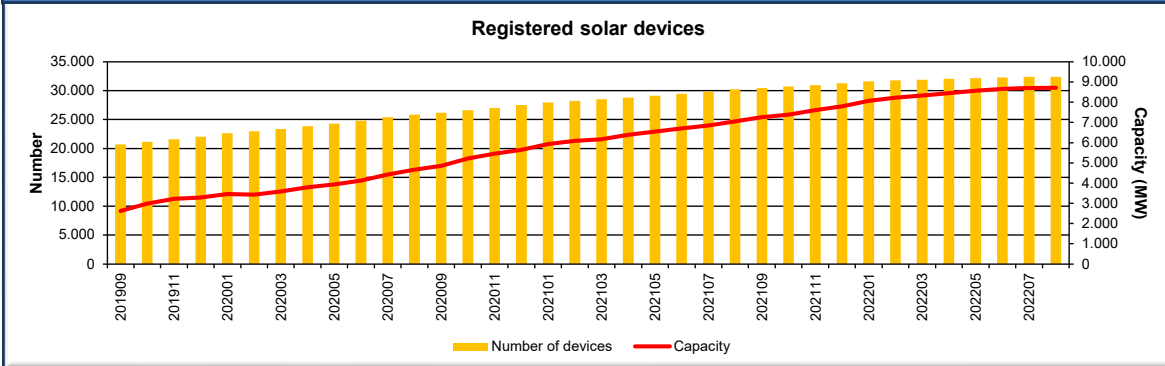
Number and registered capacity of other biomass devices



Number and registered capacity of hydro devices

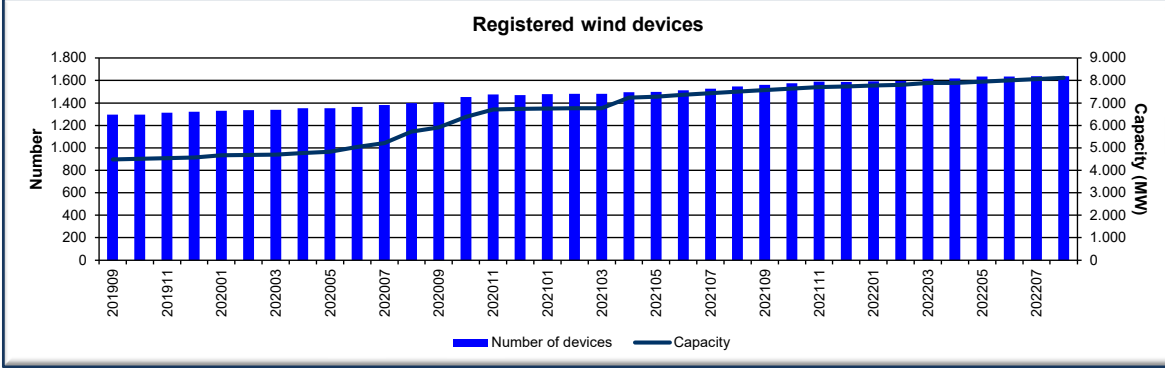


Number and registered capacity of solar devices



Production devices electricity

Number and registered capacity of wind devices

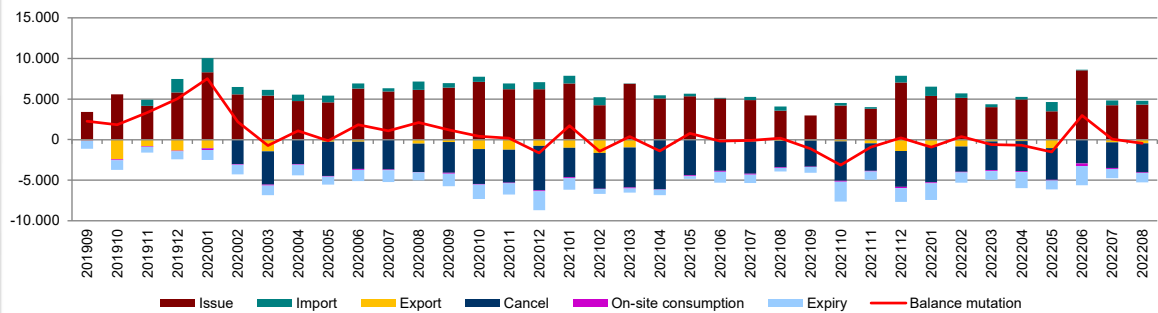


Non-renewable electricity

Certificates for non-renewable electricity

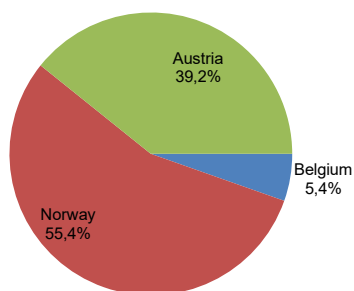
Certificate activity (in GWh)	Aug-2022	Last 12 months
Issued certificates	4.328,3	58.057,1
Of which:		
Natural gas	3.405,8	37.671,7
Municipal waste	112,2	1.272,9
Hard coal	363,0	12.781,1
Nuclear	0,0	3.544,7
Other	447,4	2.786,7
Imported certificates	450,0	5.981,6
Increase of certificate balance	4.778,3	64.038,7
Exported certificates	465,0	6.201,6
Cancelled certificates	3.585,7	44.294,0
Certificates for on-site consumption (not tradable)	73,2	1.398,7
Expired certificates	1.135,8	17.948,2
Decrease of certificate balance	5.259,7	69.842,5
Increase of certificate balance	4.778,3	64.038,7
Decrease of certificate balance	5.259,7	69.842,5
Mutation in valid certificate balance	-481,4	-5.803,8

Certificate activity (in GWh)



Exports of Dutch certificates for non-renewable electricity (in GWh)	Aug-2022	Last 12 months
Total	465,0	6.201,6
Belgium	0,0	334,1
Norway	465,0	3.434,5
Austria	0,0	2.433,0
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 01-09-2022
Total	35.146,6
Natural gas	23.433,7
Municipal waste	908,2
Hard coal	7.486,9
Fossil other	1.136,3
Nuclear	2.181,6

Production devices

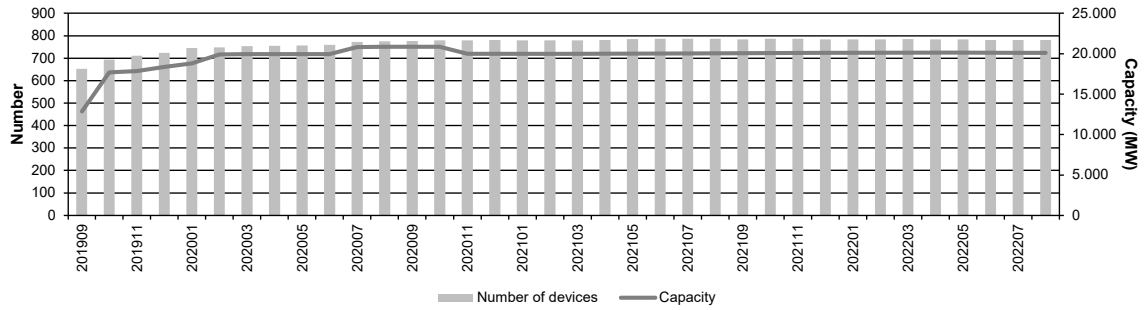
Production devices with certification of non-renewable electricity

Per 01-09-2022

Number	Capacity (MW)
781	20.124,6

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

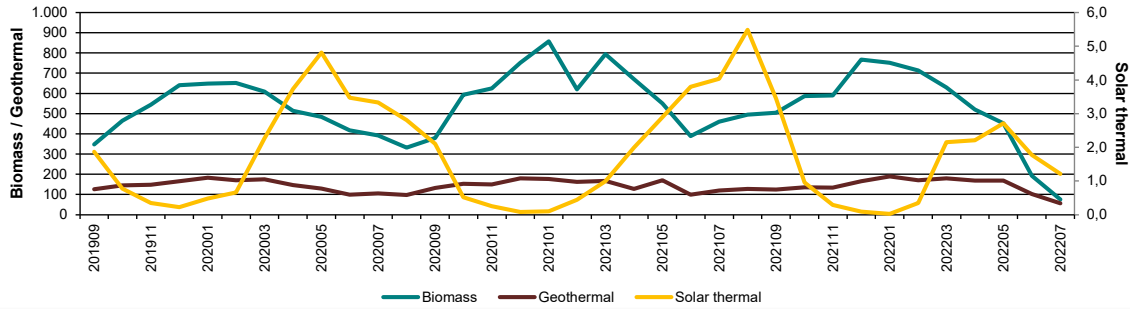
Production of renewable heat in the Netherlands

(Based on issued Guarantees of Origin; in GWh)

Last 12 months

Total	8.020,3
Biomass	6.279,1
Geothermal	1.720,5
Solar thermal	20,7

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

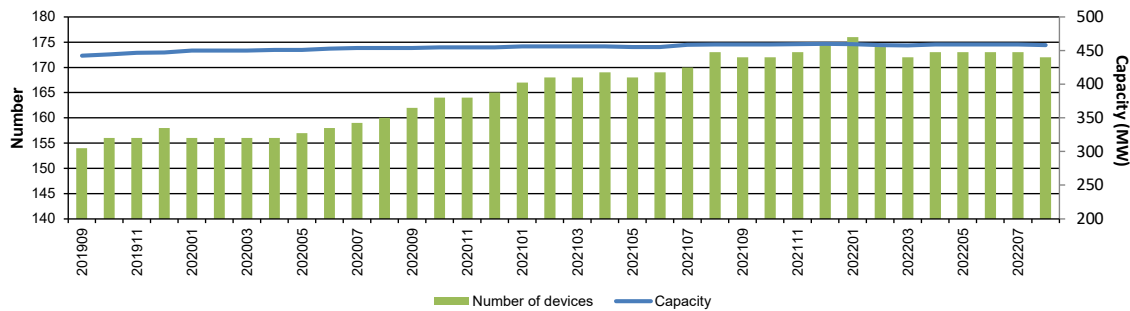
Production devices for heat

As per 01-09-2022

	Number	Capacity (MW)
Total	506	3.769,9
Biomass	433	3.183,5
<i>Of which:</i>		
Fermentation devices	172	458,2
Co-firing devices	5	932,7
Other biomass	256	1.792,6
Geothermie	24	533,5
Zon	49	52,9

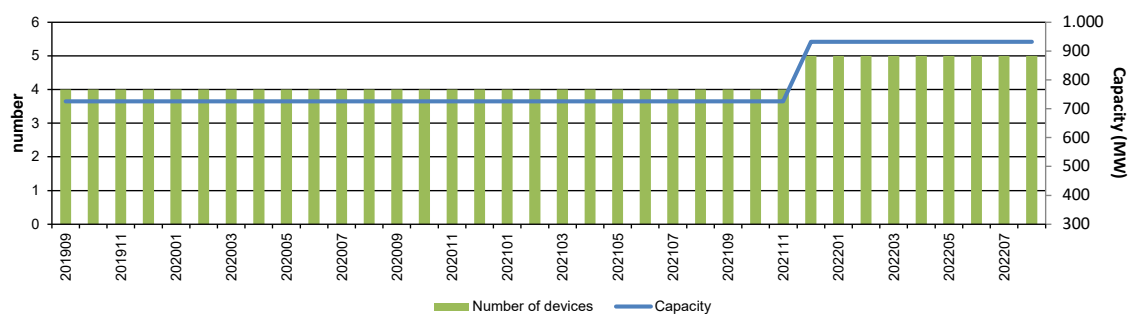
Number and registered capacity of fermentation devices

Registered fermentation devices



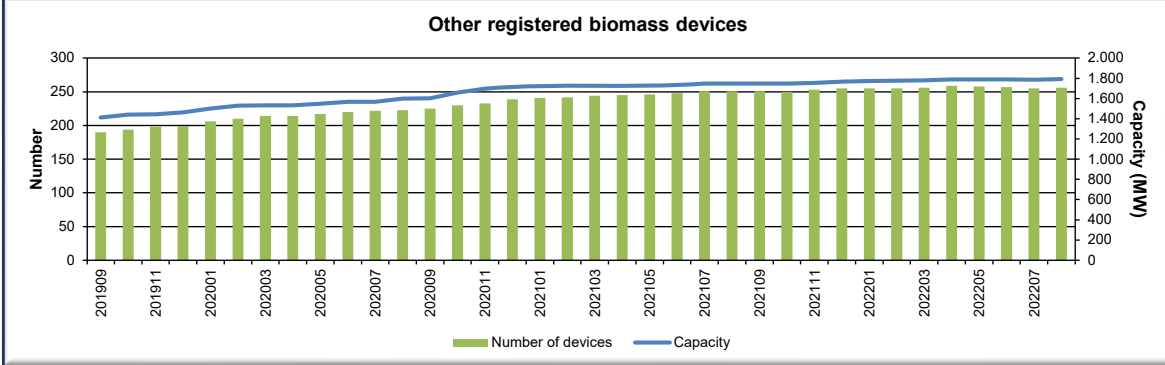
Number and registered capacity of co-firing devices

Registered co-firing devices

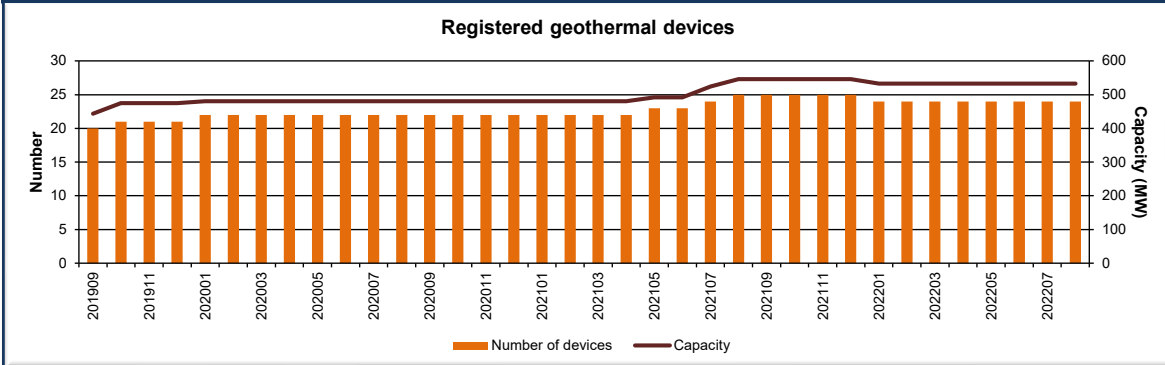


Production devices for heat

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

