

CertiQ statistics Feb 2022

Renewable electricity

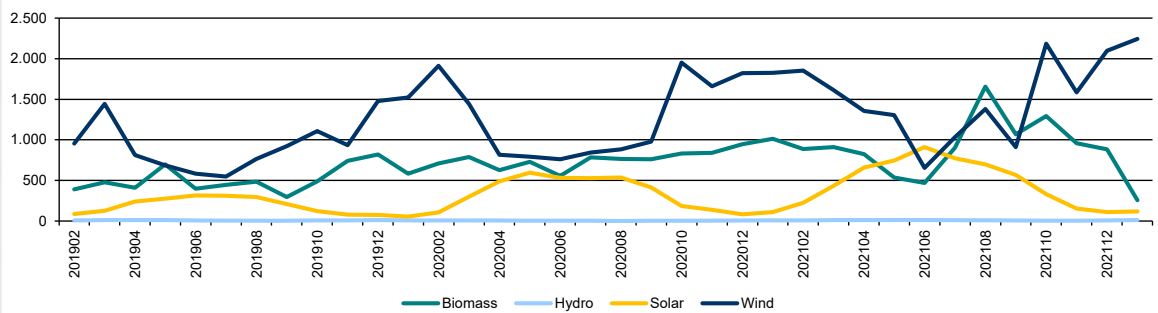
Guarantees of Origin

Production of renewable electricity in the Netherlands

(Based on issued Guarantees of Origin; in GWh)

	Jan-2022	Last 12 months
Total	2.627,4	34.657,6
Biomass	255,7	10.637,2
Hydro	9,4	90,4
Solar	115,1	5.708,6
Wind	2.247,2	18.221,5

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

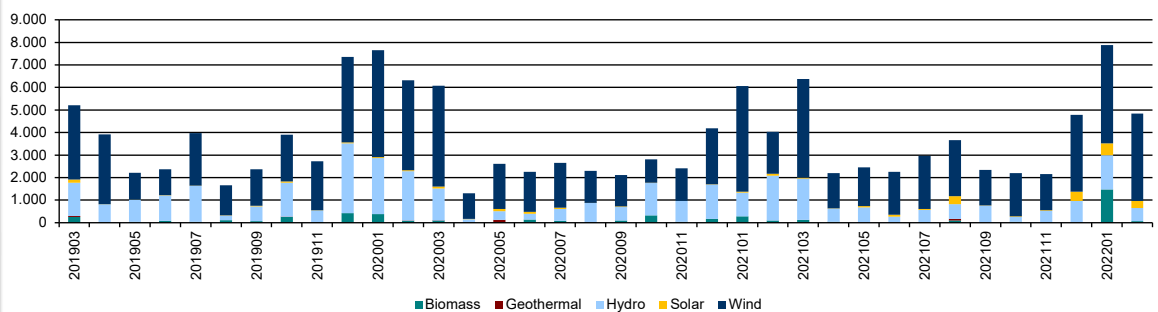


Imports of foreign Guarantees of Origin for renewable electricity

(In GWh)

	Feb-2022	Last 12 months
Total	4.841,1	44.120,4
Biomass	63,6	1.881,8
Geothermal	0,0	72,2
Hydro	592,5	9.103,0
Solar	303,9	1.893,2
Wind	3.881,0	31.170,2

Import of renewable electricity (in GWh)



Originating countries* of imports

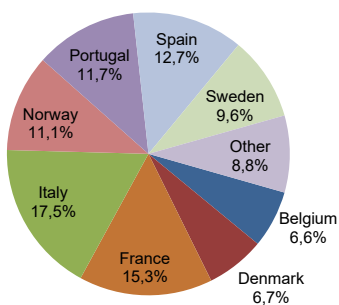
February 2022

	Biomass	Geothermal	Hydro	Solar	Wind	Total
Total	63,6	0,0	592,5	303,9	3.881,0	4.801,1
Belgium	0,0	0,0	0,0	2,2	504,0	506,2
Denmark	16,2	0,0	0,0	0,0	448,2	464,4
Germany	0,0	0,0	1,5	0,0	0,0	1,5
Estonia	0,0	0,0	0,0	0,0	0,0	0,0
Finland	0,5	0,0	16,4	0,0	141,2	158,2
France	0,0	0,0	8,4	62,6	1.035,5	1.106,5
Ireland	0,0	0,0	0,0	0,0	4,2	4,2
Iceland	0,0	0,0	72,8	0,0	0,0	72,8
Italy	46,9	0,0	90,8	80,0	514,0	731,6
Croatia	0,0	0,0	18,3	0,0	29,7	48,1
Latvia	0,0	0,0	0,9	0,0	21,4	22,4
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	155,1	0,0	148,5	303,6
Austria	0,0	0,0	40,2	0,0	0,0	40,2
Portugal	0,0	0,0	8,7	0,0	102,3	110,9
Slovenia	0,0	0,0	9,7	0,0	0,0	9,7
Spain	0,0	0,0	30,0	116,4	584,2	730,6
Czech Republic	0,0	0,0	1,5	2,8	1,0	5,4
Sweden	0,0	0,0	138,2	0,0	346,7	484,9

* 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

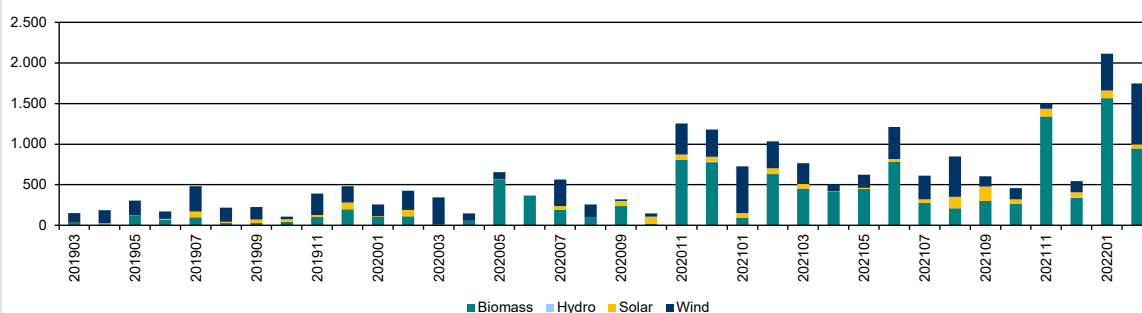


Exports of Dutch Guarantees of Origin for renewable electricity

Feb-2022 Last 12 months

(In GWh)	Total	Feb-2022	Last 12 months
Total		1.746,9	11.547,4
Biomass		947,3	7.354,9
Hydro		0,0	14,1
Solar		50,4	810,1
Wind		749,2	3.368,4

Export of renewable electricity (in GWh)

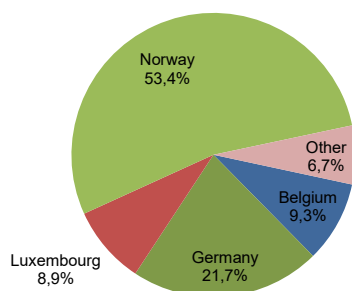


Destination countries of exports

February 2022

(In GWh)	Total	Biomass	Hydro	Solar	Wind	Total
Total	947,3	0,0	0,0	50,4	749,2	1.746,9
Austria	0,0	0,0	0,0	0,0	0,0	0,0
Belgium	120,0	0,0	0,0	1,6	5,0	126,6
Denmark	0,0	0,0	0,0	3,5	0,0	3,5
Estonia	8,3	0,0	0,0	0,0	0,0	8,3
Germany	10,6	0,0	0,0	20,0	495,3	525,9
Finland	54,0	0,0	0,0	0,0	0,0	54,0
France	0,0	0,0	0,0	0,0	0,0	0,0
Italy	24,5	0,0	0,0	0,0	0,0	24,5
Luxembourg	0,0	0,0	0,0	0,0	0,0	0,0
Norway	729,9	0,0	0,0	25,4	248,9	1.004,2
Portugal	0,0	0,0	0,0	0,0	0,0	0,0
Czech Republic	0,0	0,0	0,0	0,0	0,0	0,0
Sweden	0,0	0,0	0,0	0,0	0,0	0,0

Destination countries of exports during the last 12 months



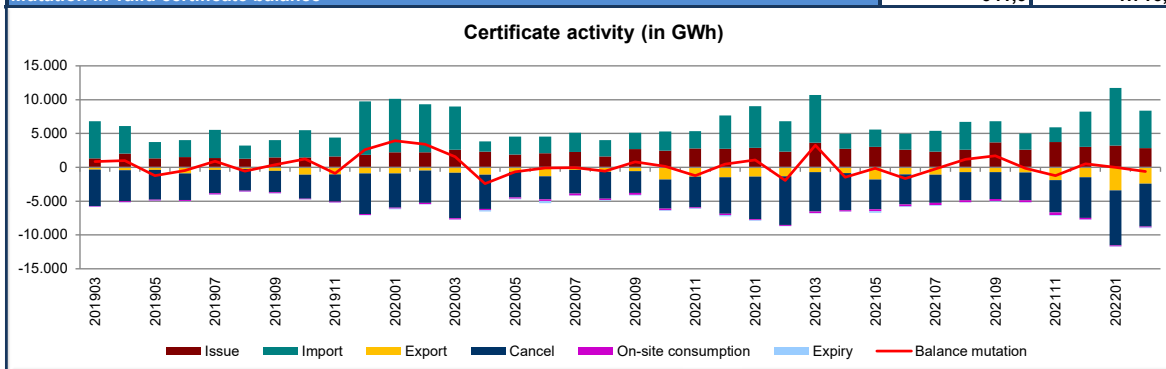
Guarantees of Origin

Cancelled Guarantees of Origin for renewable electricity		Feb-2022	Last 12 months
(In GWh)	Total	6.343,9	61.849,7

Originating countries** of cancelled Guarantees of Origin for renewable electricity							
February 2022							
(In GWh)	Total	Biomass	Geothermal	Hydro	Solar	Wind	Total
	Total	163,1	0,0	296,8	910,5	4.973,5	6.343,9
	Belgium	0,0	0,0	0,0	0,0	348,3	348,3
	Denmark	16,2	0,0	0,0	0,0	297,2	313,5
	Germany	0,0	0,0	7,1	0,0	0,1	7,2
	Estonia	0,0	0,0	0,0	0,0	10,9	10,9
	Finland	0,5	0,0	2,2	0,0	23,7	26,5
	France	12,7	0,0	27,1	56,8	991,1	1.087,6
	Ireland	0,0	0,0	0,0	0,0	0,0	0,0
	Iceland	0,0	0,0	1,9	0,0	0,0	1,9
	Italy	0,0	0,0	25,8	225,3	504,9	756,1
	Croatia	0,0	0,0	18,3	0,0	7,7	26,0
	Latvia	0,0	0,0	55,7	0,0	0,0	55,7
	Lithuania	0,0	0,0	8,0	0,0	0,0	8,0
	Luxembourg	0,0	0,0	0,0	0,0	0,0	0,0
	Netherlands	133,7	0,0	1,8	562,3	1.778,2	2.476,1
	Norway	0,0	0,0	79,5	0,0	126,6	206,1
	Austria	0,0	0,0	0,0	0,0	0,0	0,0
	Portugal	0,0	0,0	16,3	0,0	369,9	386,2
	Slovenia	0,0	0,0	23,6	0,0	0,0	23,6
	Spain	0,0	0,0	5,6	61,6	290,4	357,6
	Czech Republic	0,0	0,0	7,3	4,4	2,9	14,7
	Sweden	0,0	0,0	16,4	0,0	221,8	238,2

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

Certificate activity (in GWh)	Feb-2022	Last 12 months
Issued certificates	2.848,1	36.064,6
Imported certificates	5.515,2	48.421,7
Increase of certificate balance	8.363,3	84.486,3
Exported certificates	2.414,5	16.897,3
Cancelled certificates	6.343,9	61.849,7
Certificates for on-site consumption (not tradable)	144,4	3.084,1
Expired certificates	102,4	938,7
Decrease of certificate balance	9.005,2	82.769,8
Increase of certificate balance	8.363,3	84.486,3
Decrease of certificate balance	9.005,2	82.769,8
Mutation in valid certificate balance	-641,9	1.716,5



Certificate balance for guarantees of origin for renewable electricity***		Per 01-03-2022
(In GWh)	Total	21.382,9
	Biomass	4.357,4
	Geothermal	0,0
	Hydro	1.977,5
	Solar	2.337,4
	Wind	12.710,6

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

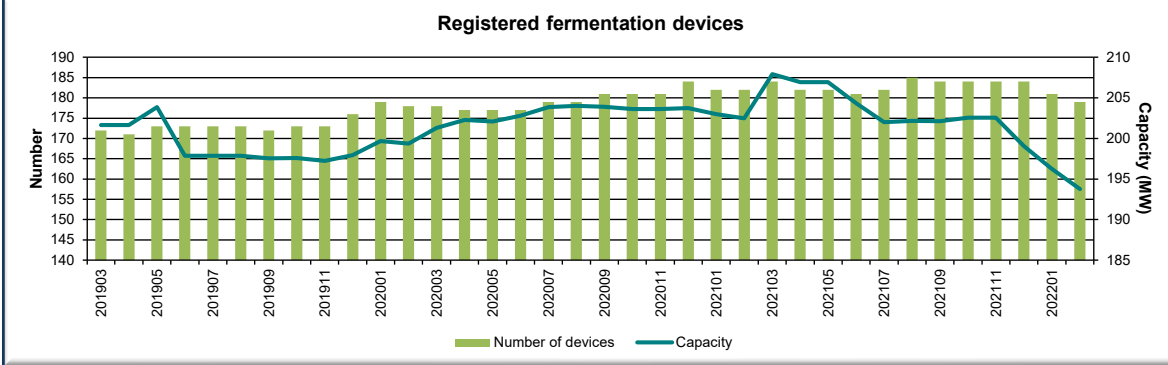
Production devices electricity

Production devices

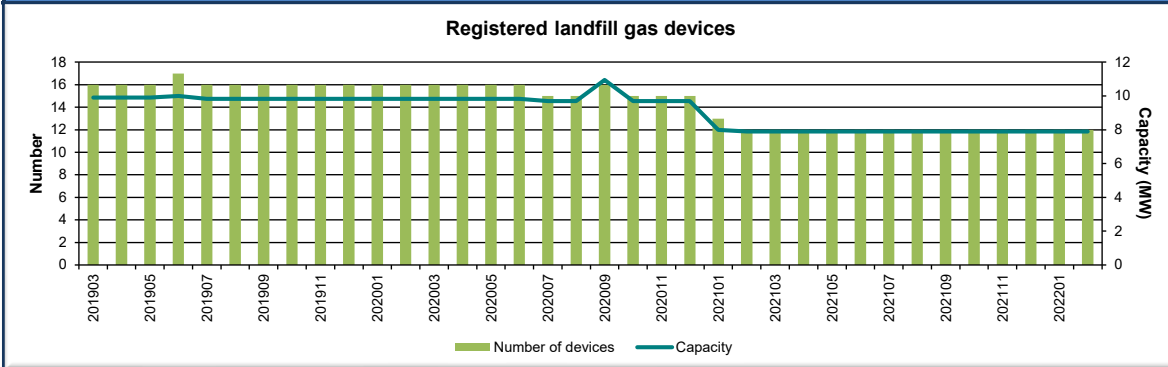
Per 01-03-2022

	Number	Capacity (MW)
Total	32.886	20.814,8
Biomass	262	5.305,8
<i>Of which:</i>		
Fermentation devices	179	193,8
Landfill gas devices	12	7,9
Waste incineration devices	16	797,2
Co-firing devices	5	3.991,0
Other biomass	50	315,9
Hydro	18	37,0
Solar	31.032	7.783,8
Wind	1.574	7.688,2

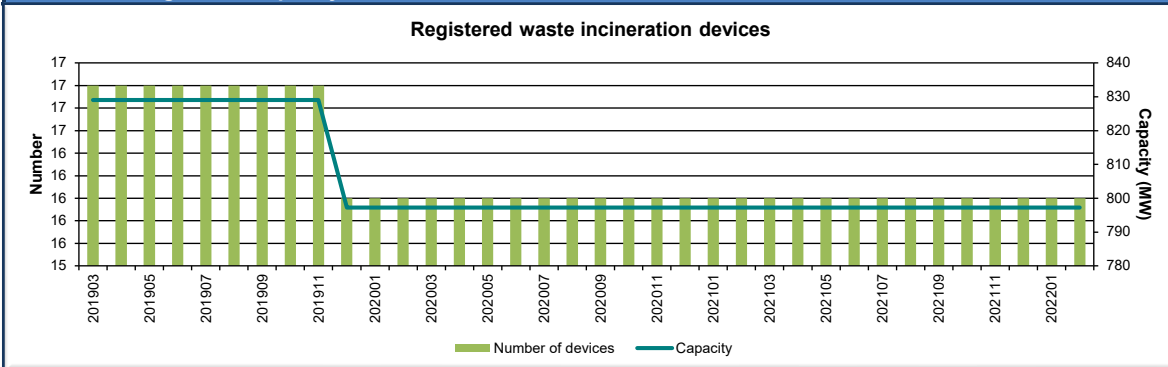
Number and registered capacity of fermentation devices



Number and registered capacity of landfill gas devices

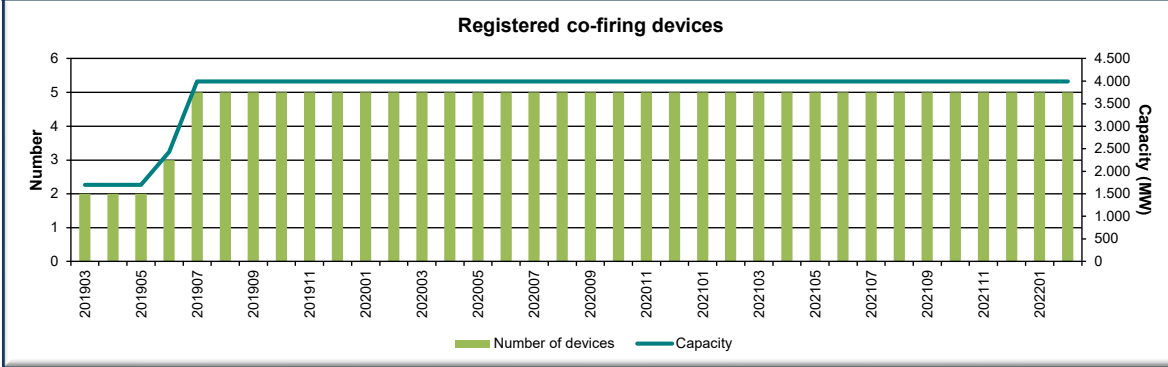


Number and registered capacity of waste incineration devices

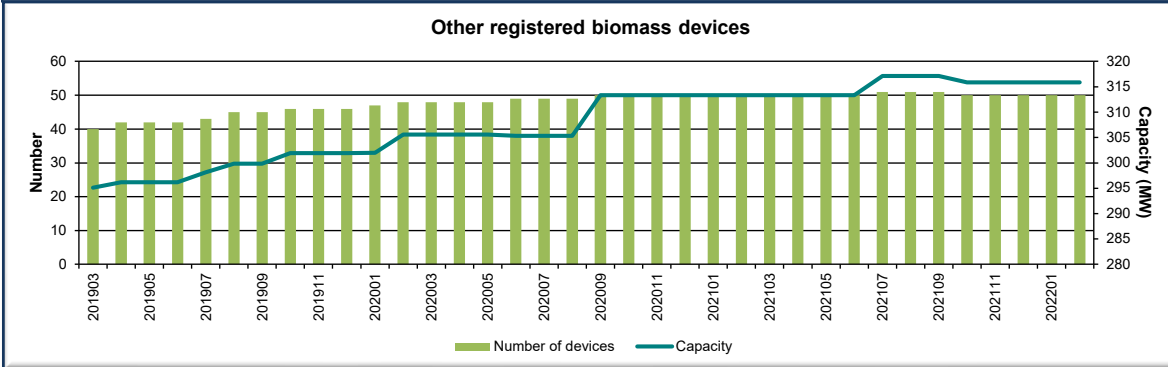


Production devices electricity

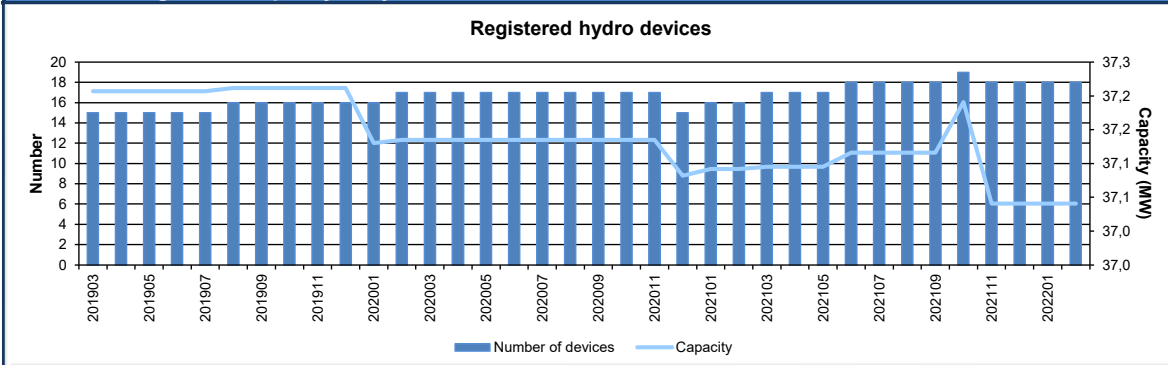
Number and registered capacity of co-firing devices



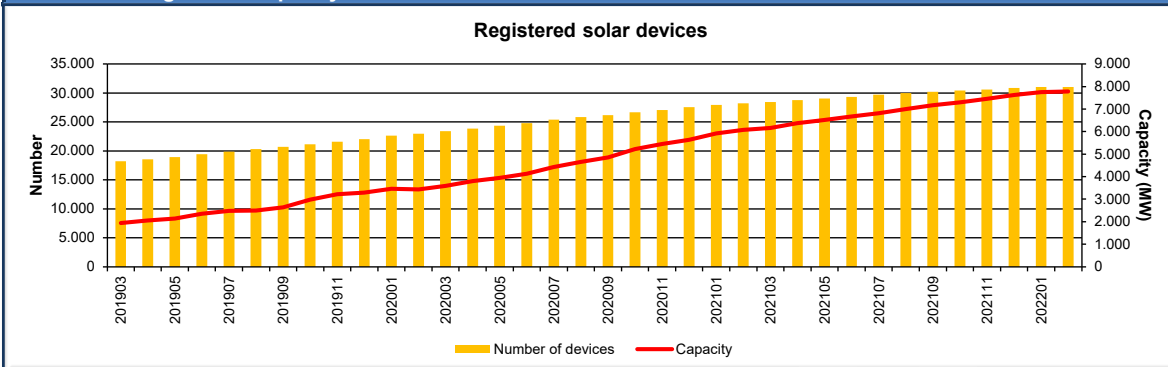
Number and registered capacity of other biomass devices



Number and registered capacity of hydro devices

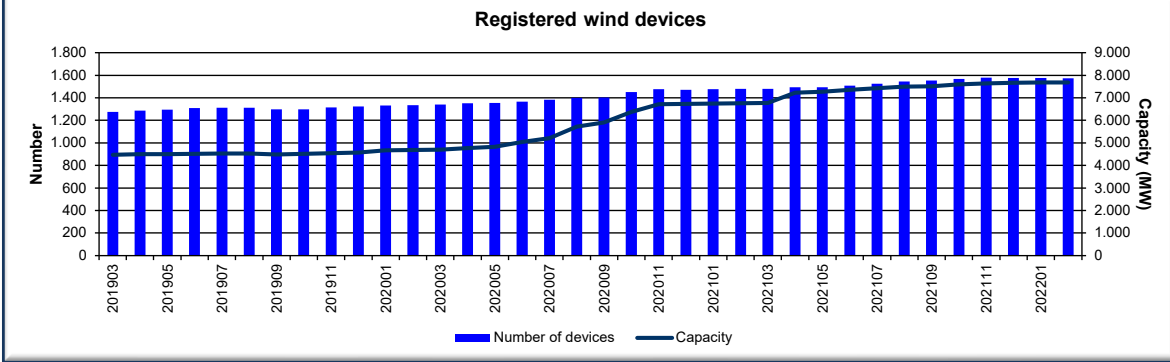


Number and registered capacity of solar devices



Production devices electricity

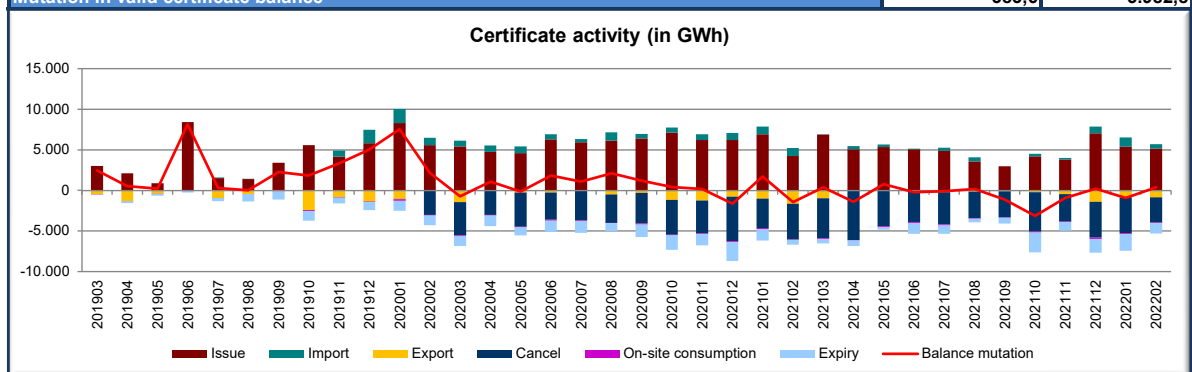
Number and registered capacity of wind devices



Non-renewable electricity

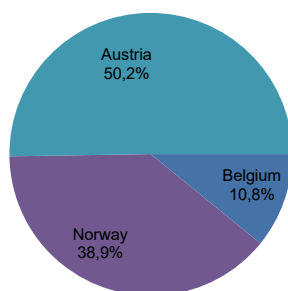
Certificates for non-renewable electricity

Certificate activity (in GWh)	Feb-2022	Last 12 months
Issued certificates	5.128,6	59.338,7
Of which:		
Natural gas	3.729,5	42.289,2
Municipal waste	109,1	1.173,1
Hard coal	690,8	8.966,7
Nuclear	360,9	3.977,3
Other	238,4	2.932,3
Imported certificates	567,6	4.708,1
Increase of certificate balance	5.696,2	64.046,8
Exported certificates	867,7	5.385,5
Cancelled certificates	3.098,4	49.993,1
Certificates for on-site consumption (not tradable)	102,3	1.156,7
Expired certificates	1.244,2	13.494,3
Decrease of certificate balance	5.312,6	70.029,6
Increase of certificate balance	5.696,2	64.046,8
Decrease of certificate balance	5.312,6	70.029,6
Mutation in valid certificate balance	383,6	-5.982,8



Exports of Dutch certificates for non-renewable electricity (in GWh)	Feb-2022	Last 12 months
Total	867,7	5.384,4
Belgium	129,8	584,1
Estonia	0,0	0,0
Norway	282,1	2.096,4
Austria	455,8	2.703,9
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 01-03-2022
Total	35.586,9
Natural gas	26.415,9
Municipal waste	899,1
Hard coal	5.026,3
Fossil other	866,1
Nuclear	2.379,5

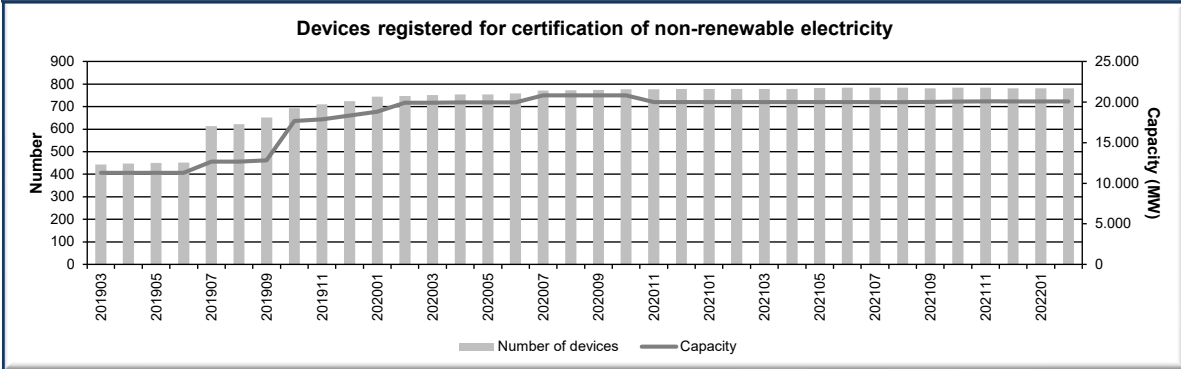
Production devices

Production devices with certification of non-renewable electricity

Per 01-03-2022

	Number	Capacity (MW)
	782	20.096,0

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



Renewable heat

Guarantees of Origin for heat

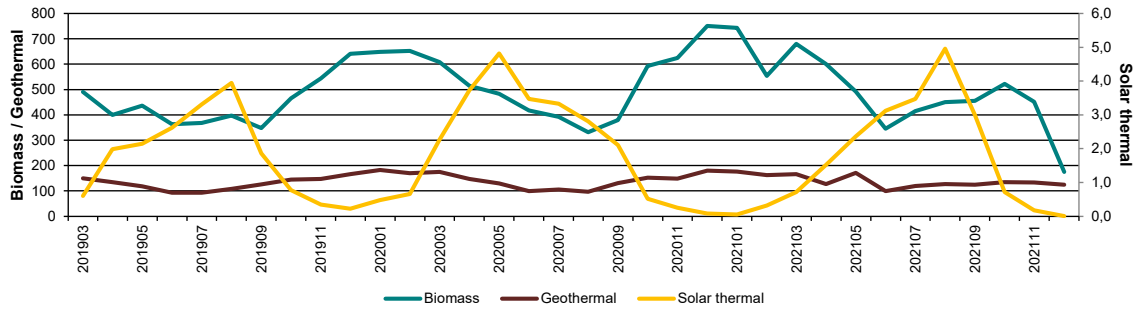
Production of renewable heat in the Netherlands

Last 12 months

(Based on issued Guarantees of Origin; in GWh)

Total	7.567,9
Biomass	5.882,0
Geothermal	1.665,5
Solar thermal	20,4

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

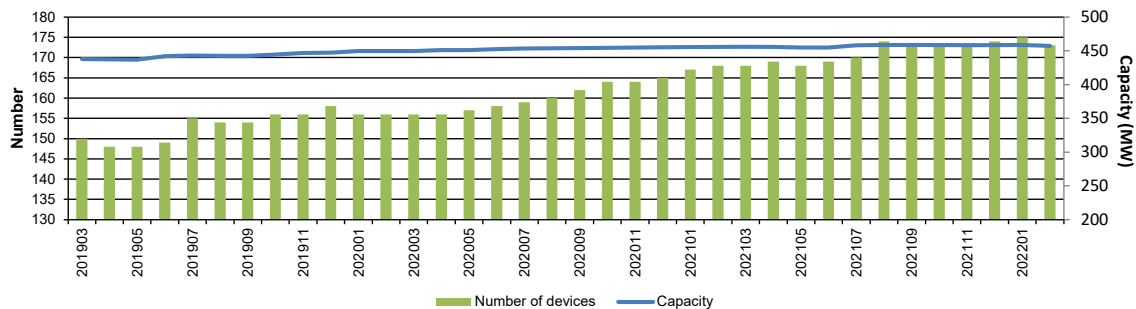
Production devices for heat

As per 01-03-2022

	Number	Capacity (MW)
Total	501	3.747,6
Biomass	429	3.161,5
<i>Of which:</i>		
Fermentation devices	173	457,4
Co-firing devices	5	932,7
Other biomass	251	1.771,5
Geothermie	24	533,5
Zon	48	52,6

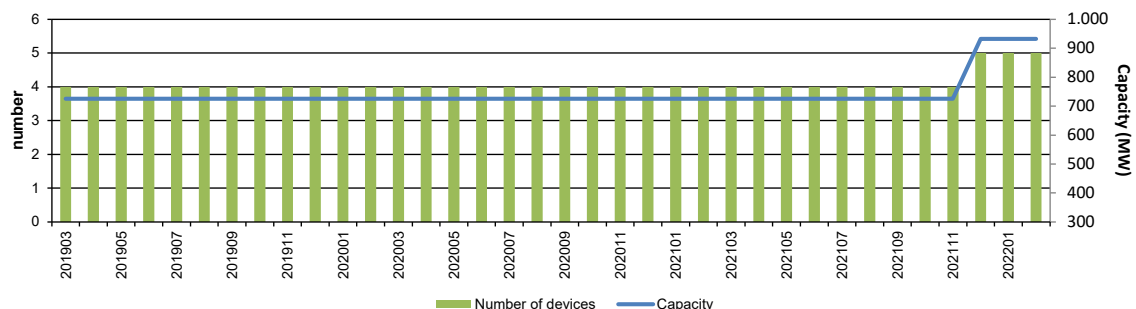
Number and registered capacity of fermentation devices

Registered fermentation devices



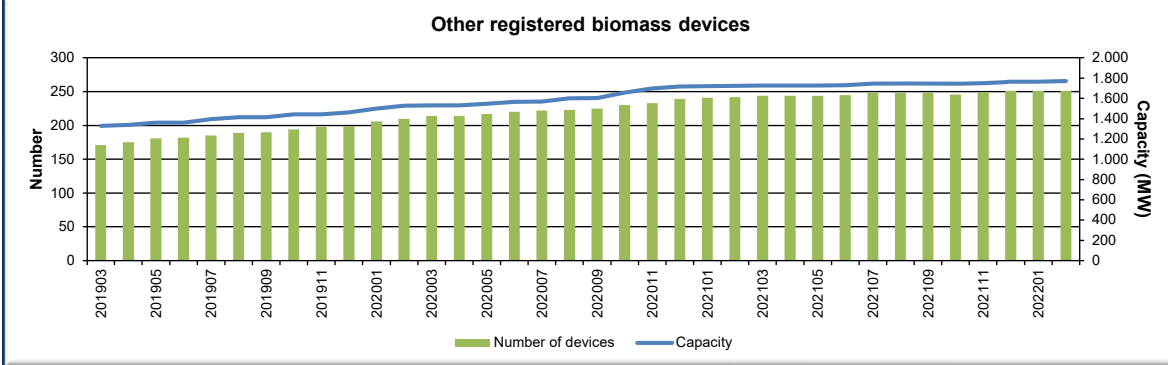
Number and registered capacity of co-firing devices

Registered co-firing devices

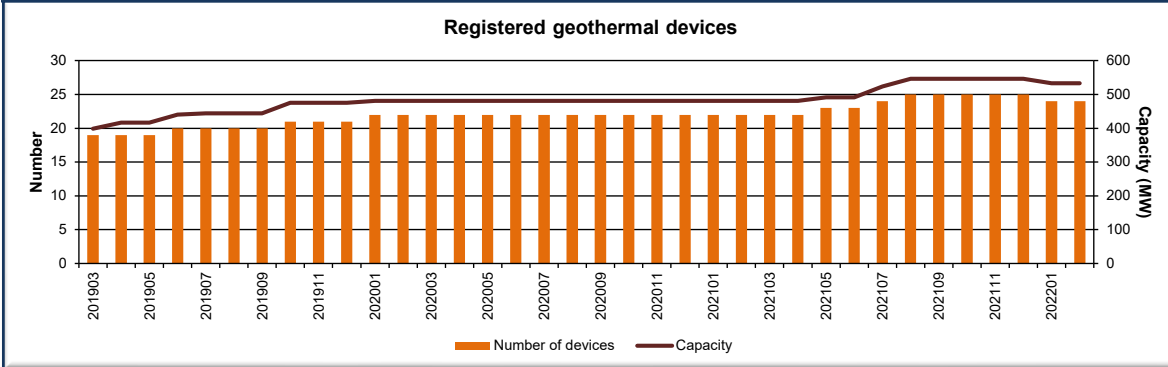


Production devices for heat

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

