



Nordic Capacity Calculation Methodology Project (Nordic CCM)

Nordic CCM

External Parallel Run Market Report
Appendix for Week 25 of 2024



Appendix

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Domain validation

Energy Delivery Day:	Mon. 17.06	Tue. 18.06	Wed. 19.06	Thu. 20.06	Fri. 21.06	Sat. 22.06	Sun. 23.06
Invalid/missing IGMs	0	0	11	0	0	0	0
Substituted IGMs	0	0	11	0	0	0	0
Invalid CGMs	0	0	0	0	0	0	0
FB domain back-up	0	0	0	0	0	0	0
IVA provision	0	0	1	0	0	0	0
Final domain acceptance (1 TSO =25%)	100%	100%	100%	100%	100%	100%	100%

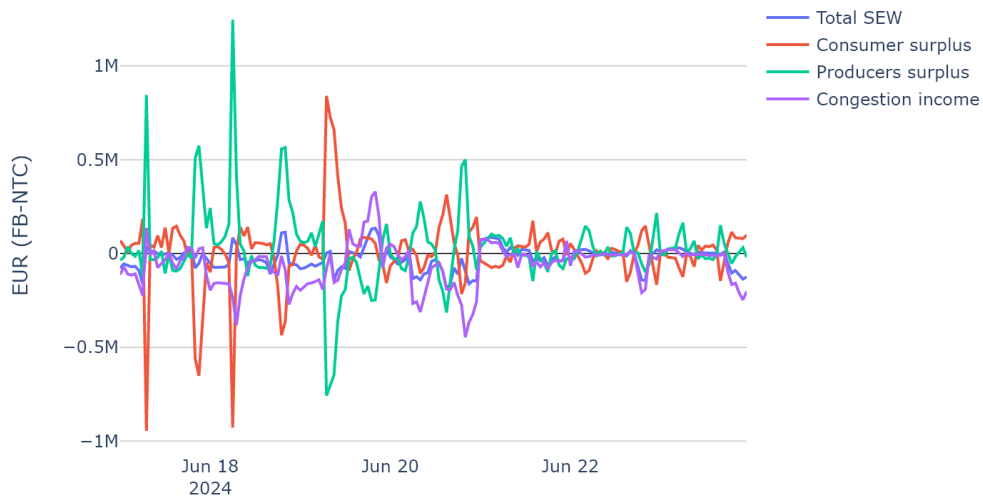


Socio Economic Welfare

For the socio-economic welfare graphs, the contribution from interconnectors out of the Nordic CCR is not included. Thus, the values for the congestion income are only from the Nordic internal bidding zones, and not from the contributions on the Hansa/Baltic borders. This includes the country specific socio-economic welfare graphs.

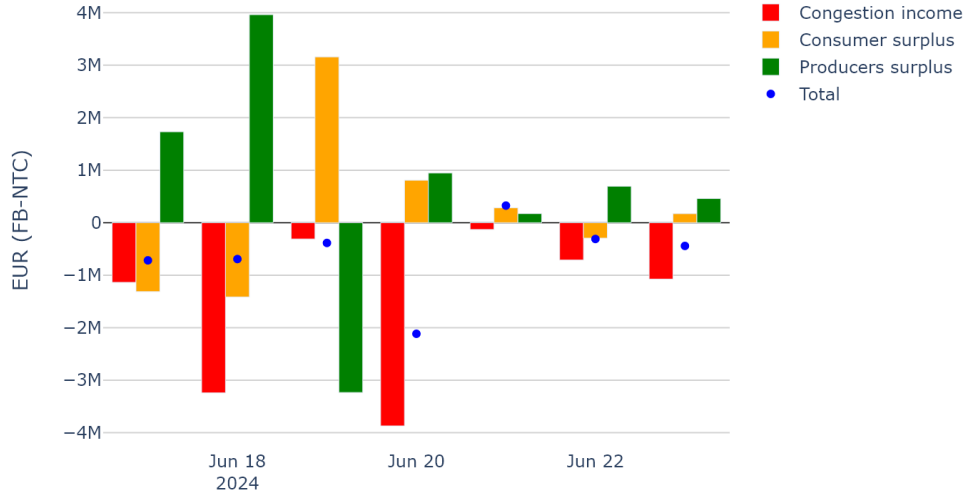
Nordics

Hourly Nordic socio-economic welfare gain, FB-NTC

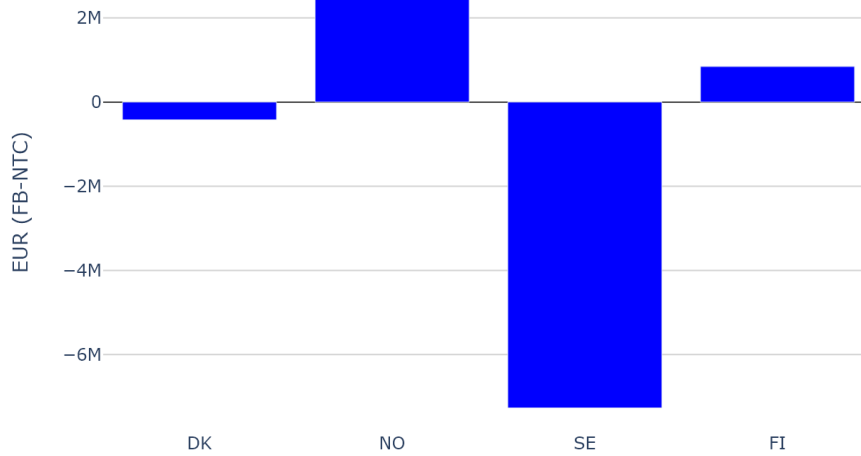


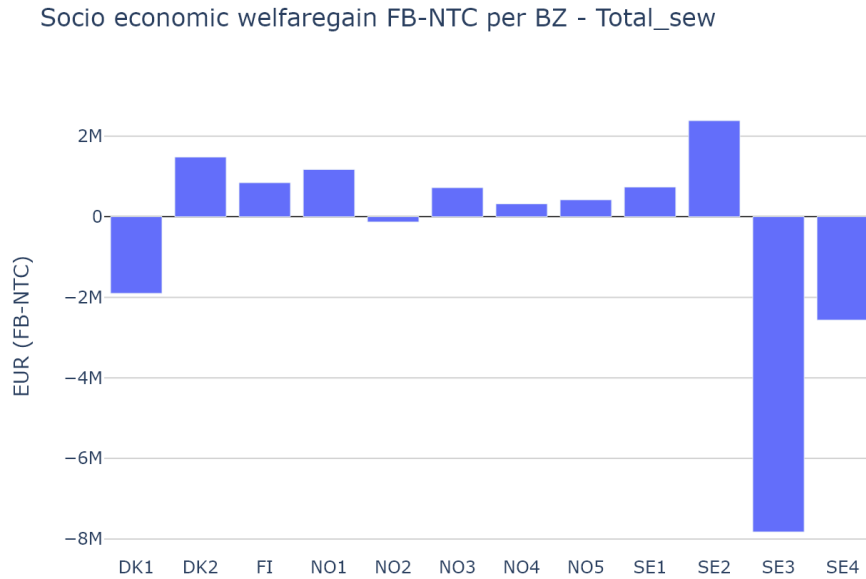


Nordics socio-economic welfare per stakeholder and day



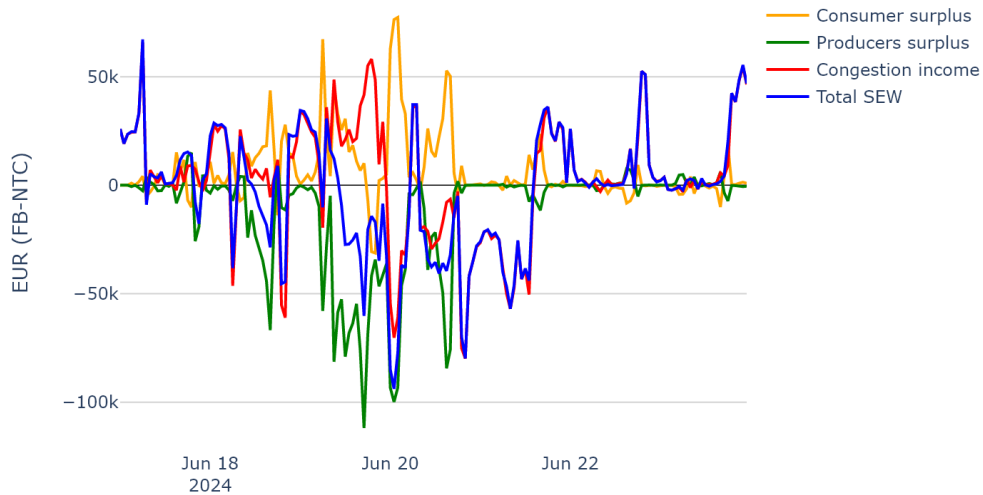
Total Nordic socio-economic welfare per country





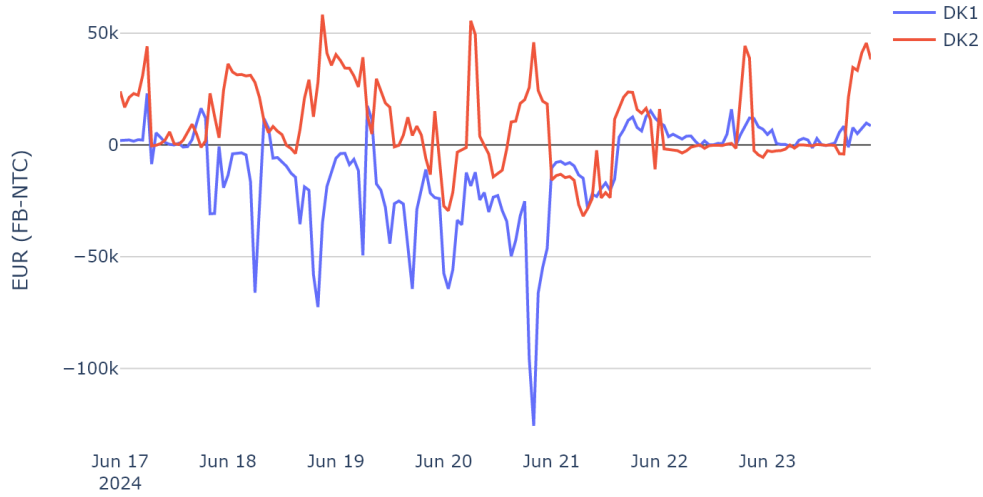
Denmark

DK, socio-economic welfare per stakeholder and country

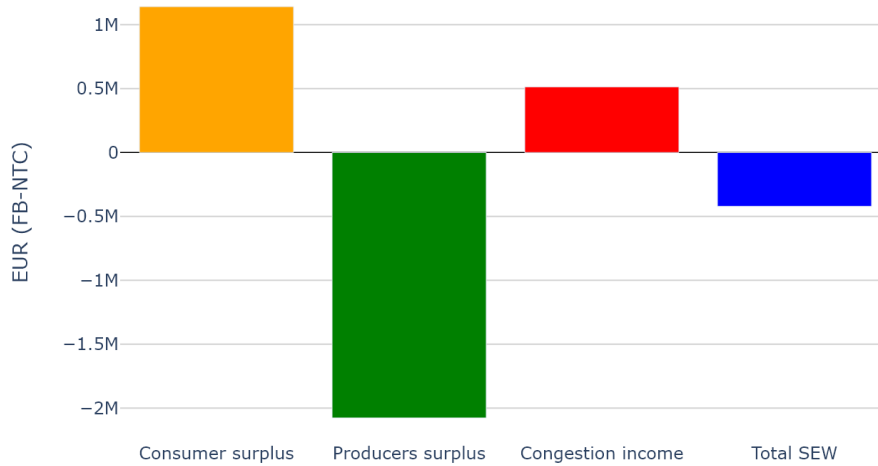




Total socio economic welfare gain FB-NTC per BZ in DK



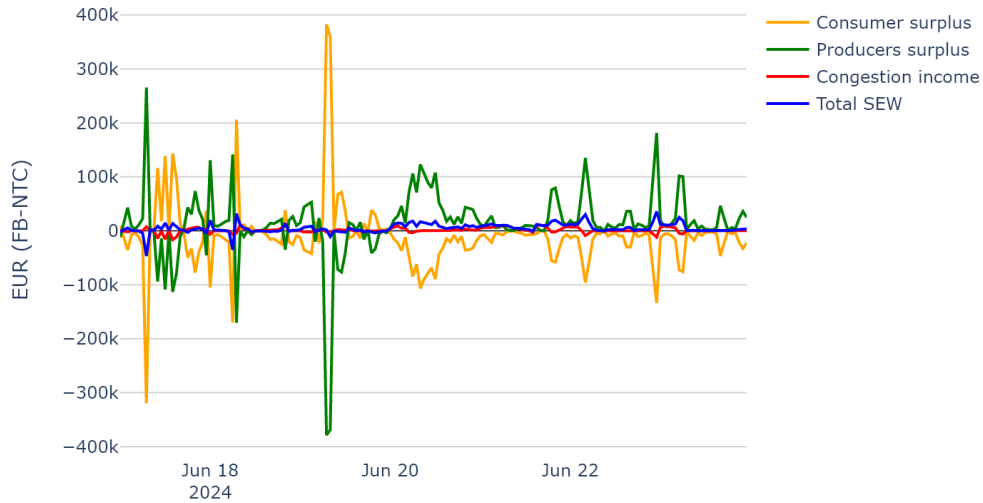
DK, socio-economic welfare per stakeholder and country



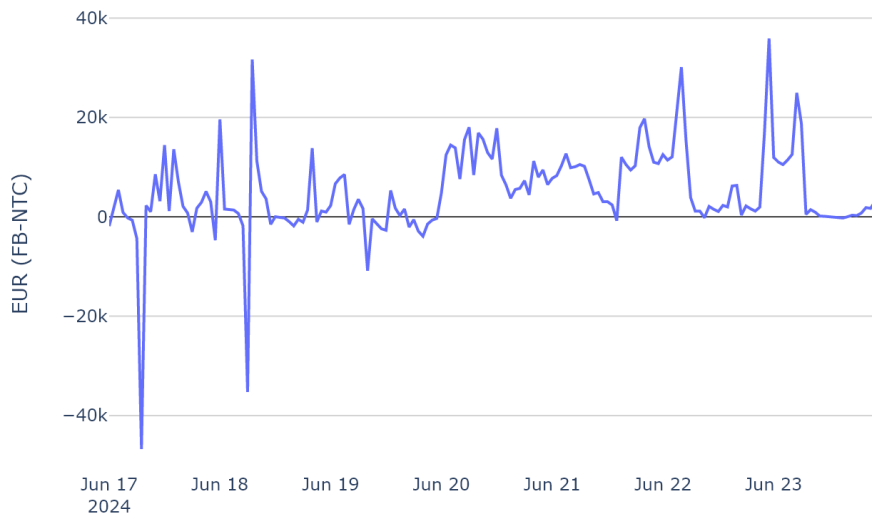


Finland

FI, socio-economic welfare per stakeholder and country

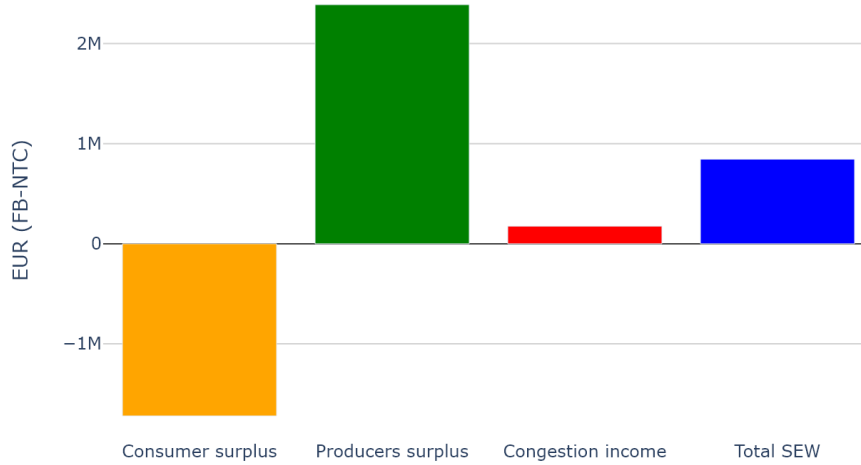


Total socio economic welfaregain FB-NTC per BZ in FI



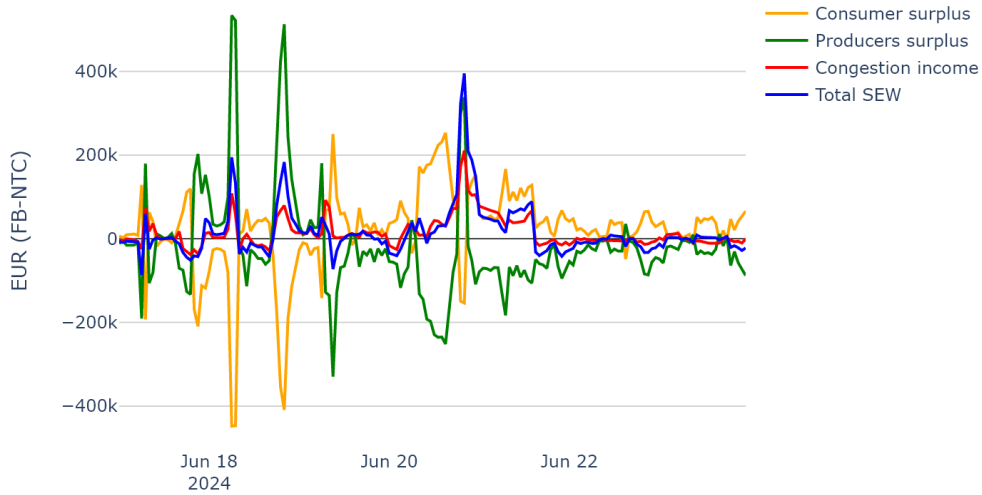


FI, socio-economic welfare per stakeholder and country



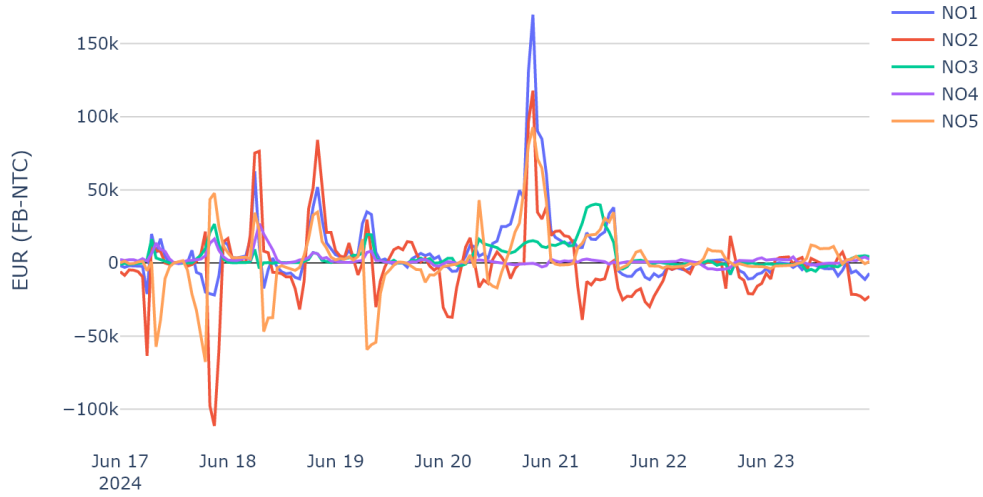
Norway

NO, socio-economic welfare per stakeholder and country

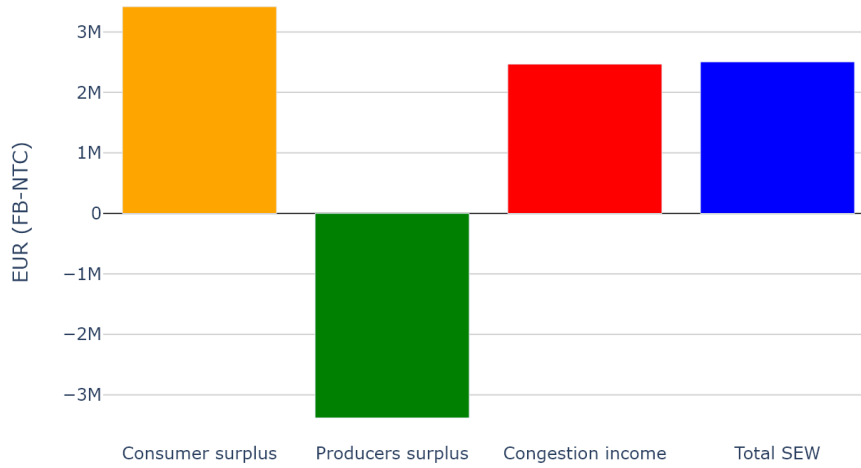




Total socio economic welfaregain FB-NTC per BZ in NO



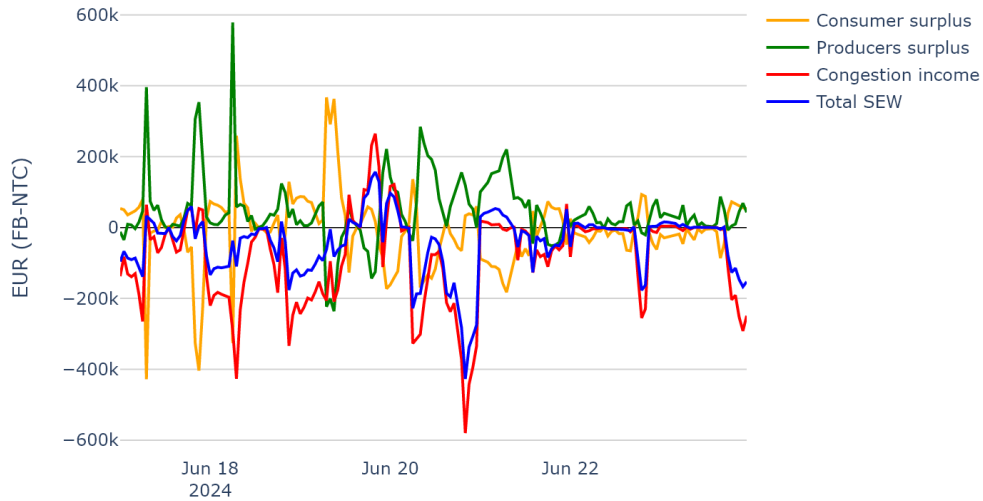
NO, socio-economic welfare per stakeholder and country



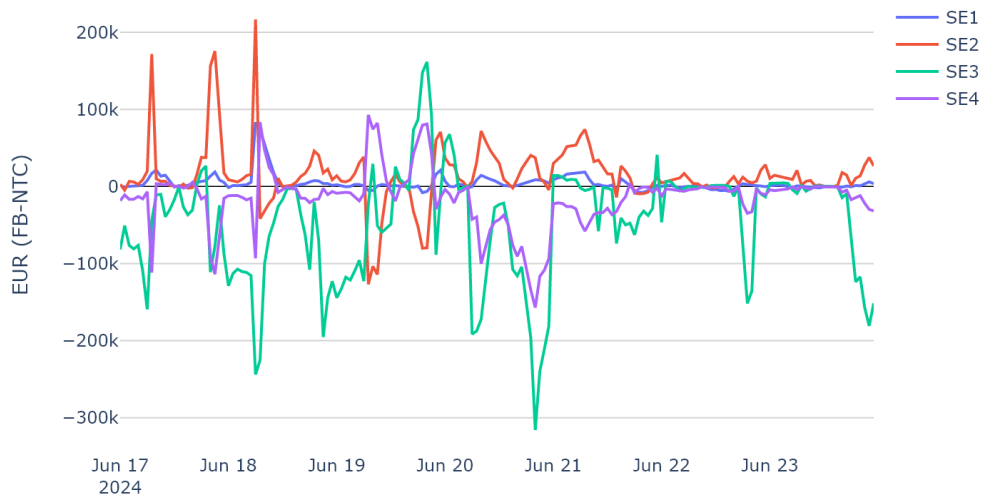


Sweden

SE, socio-economic welfare per stakeholder and country

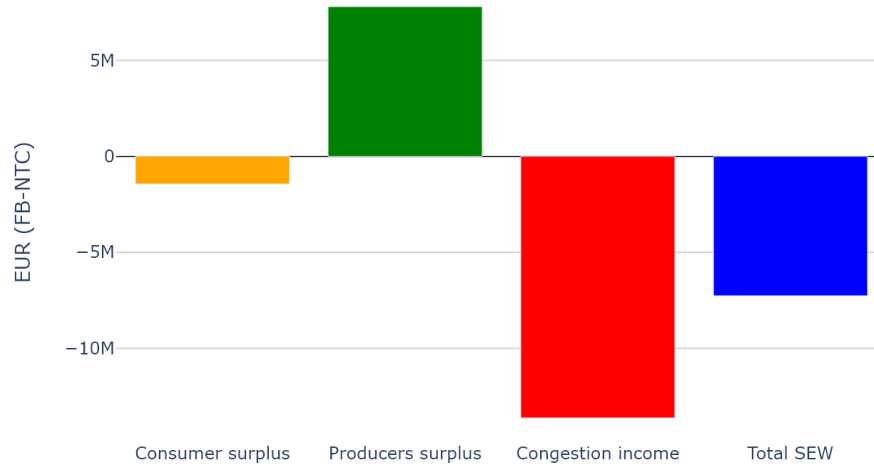


Total socio economic welfaregain FB-NTC per BZ in SE





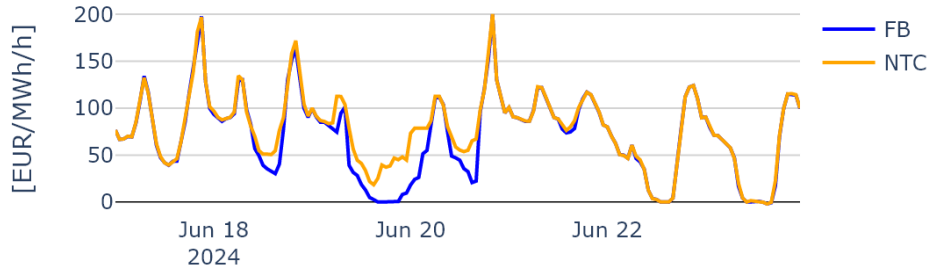
SE, socio-economic welfare per stakeholder and country



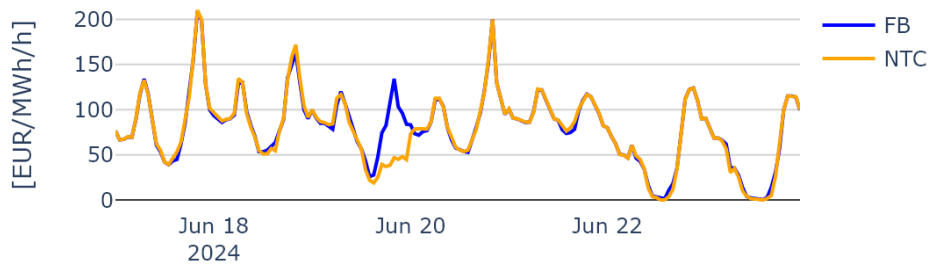


Prices

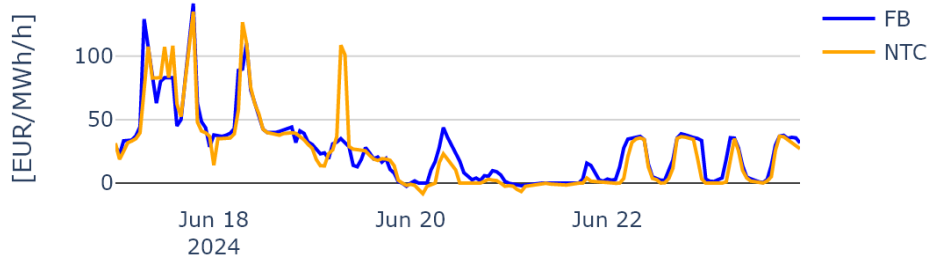
DK1 price



DK2 price

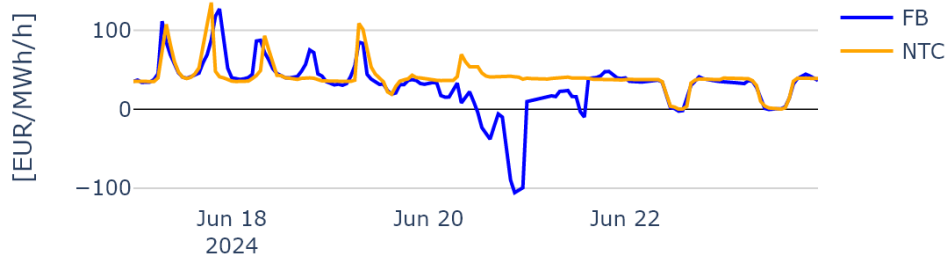


FI price

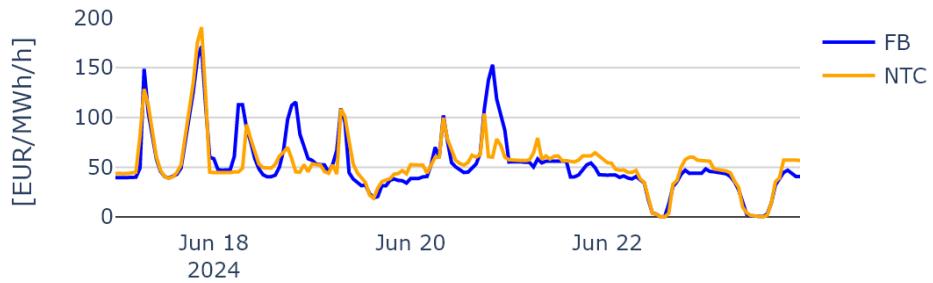




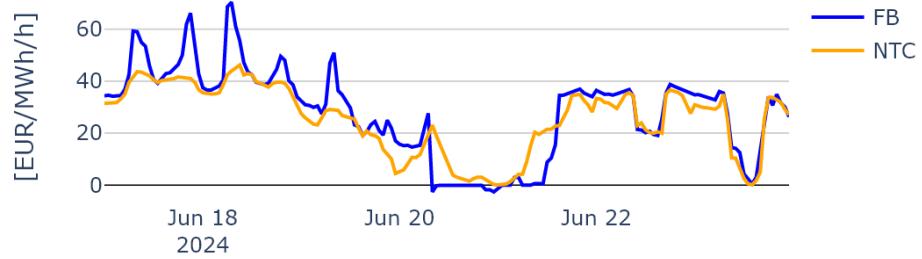
NO1 price



NO2 price

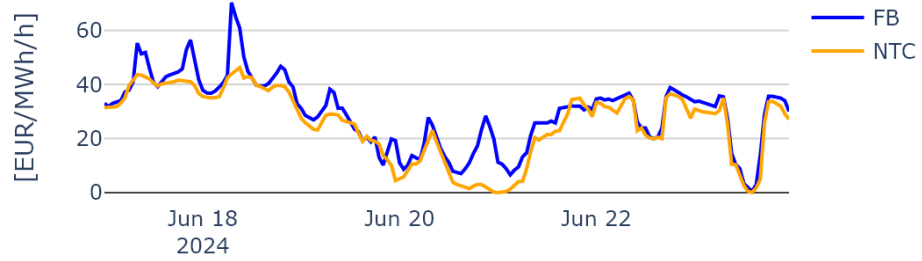


NO3 price

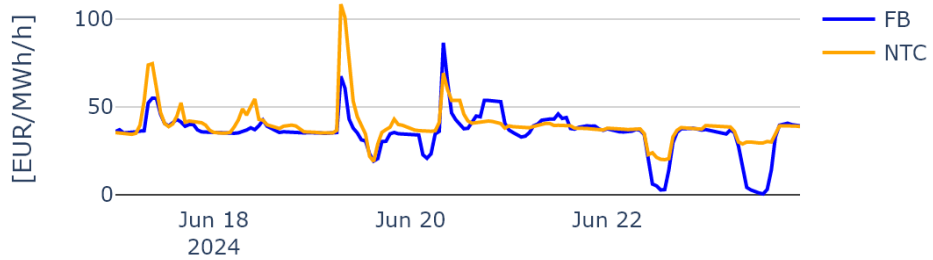




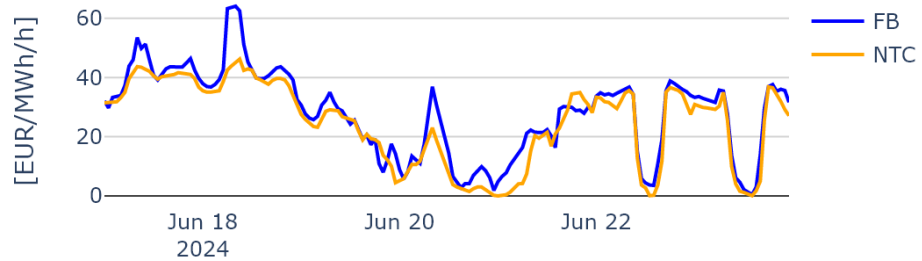
NO4 price



NO5 price

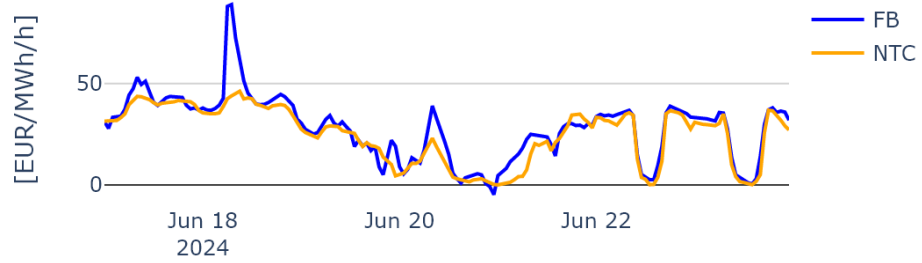


SE1 price

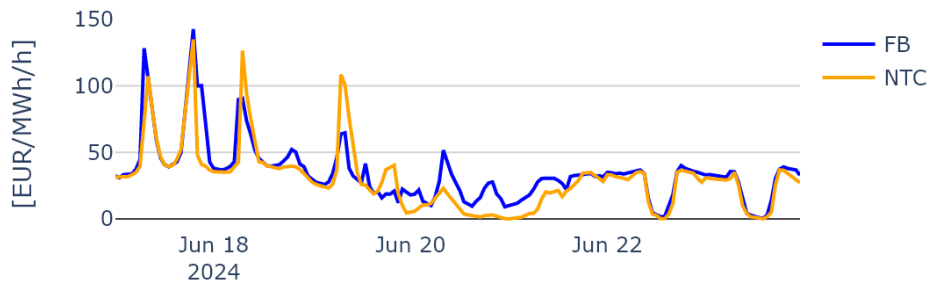




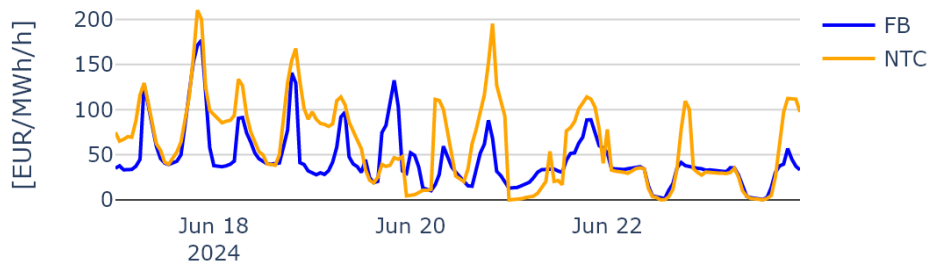
SE2 price



SE3 price



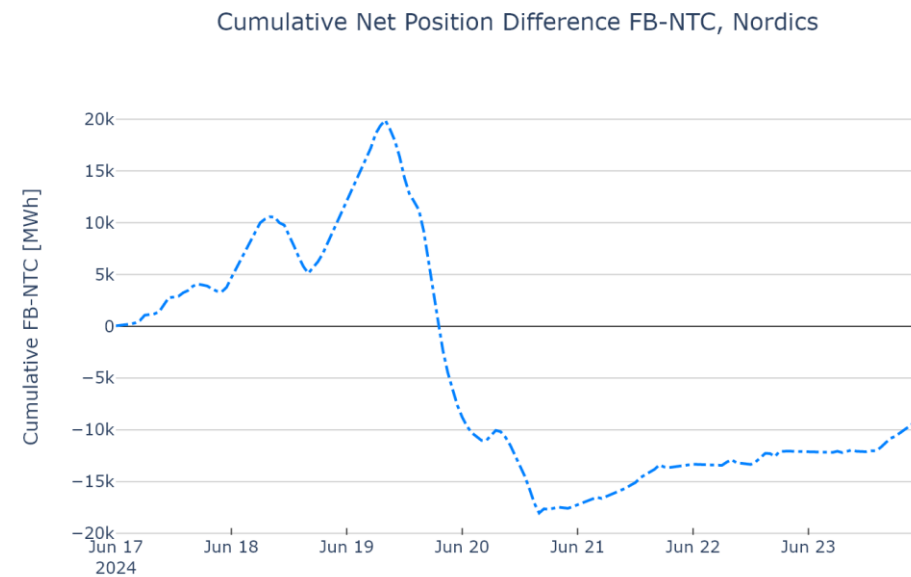
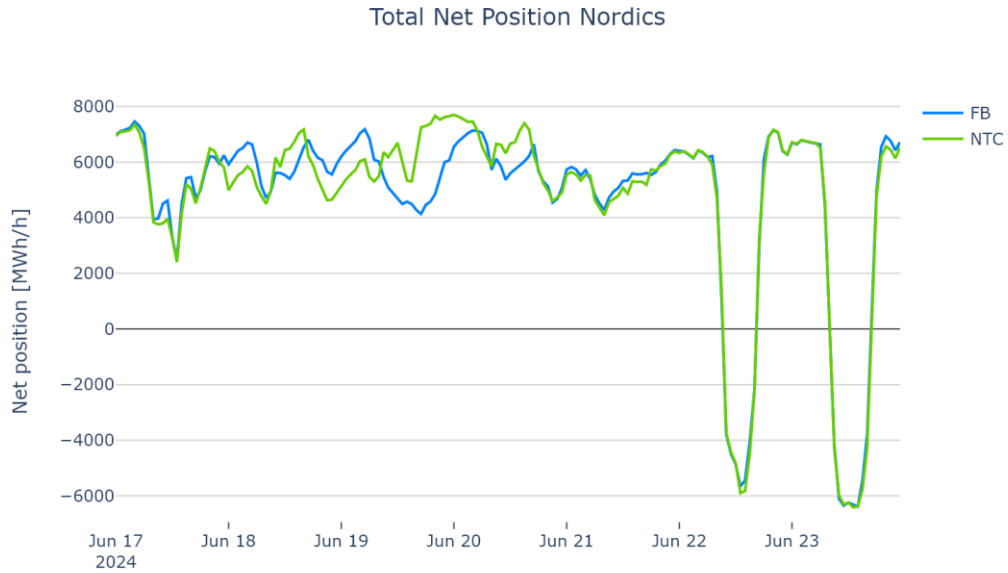
SE4 price





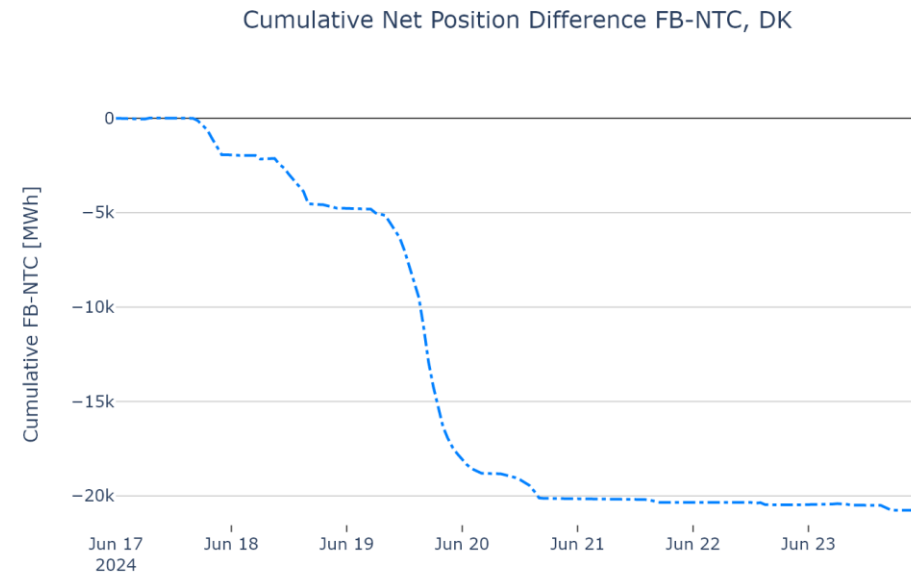
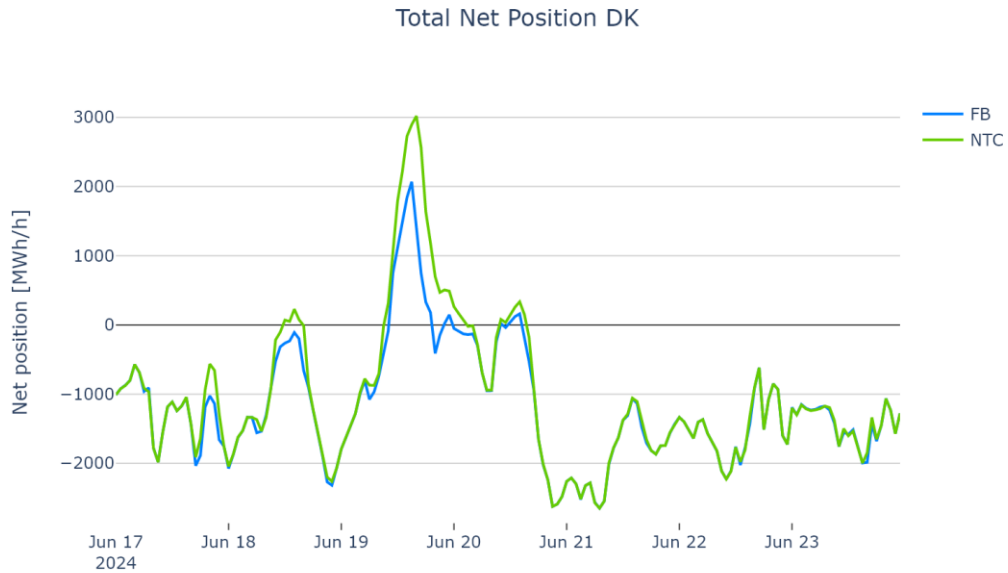
Net positions

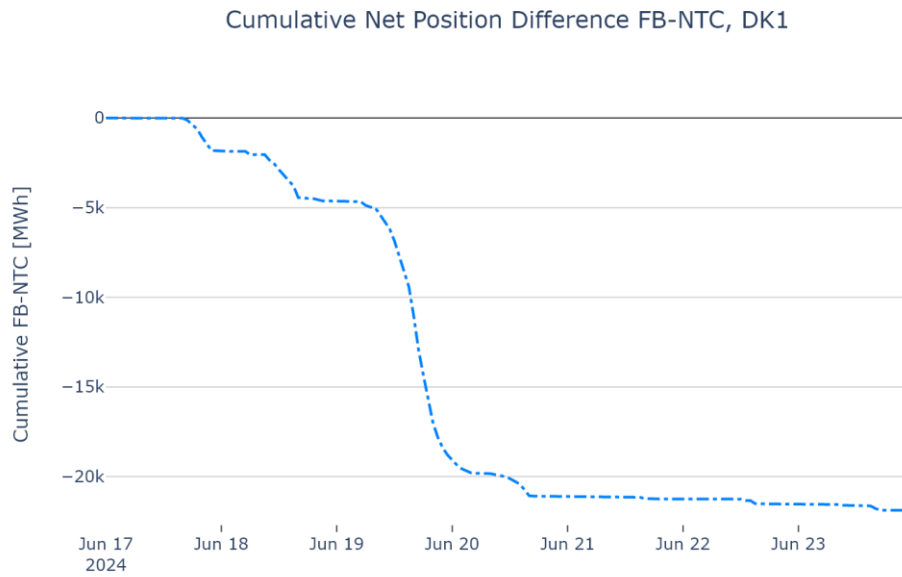
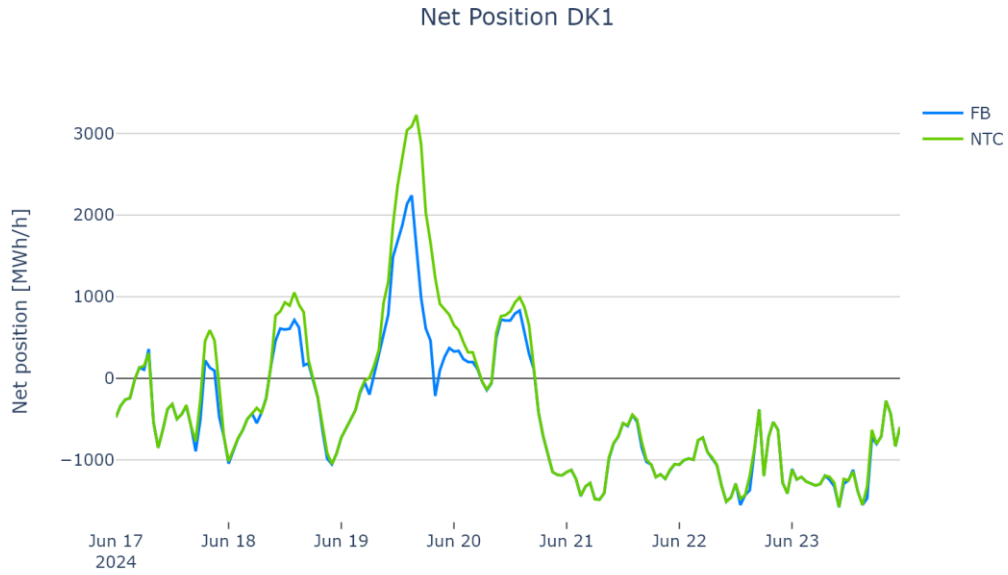
Nordics





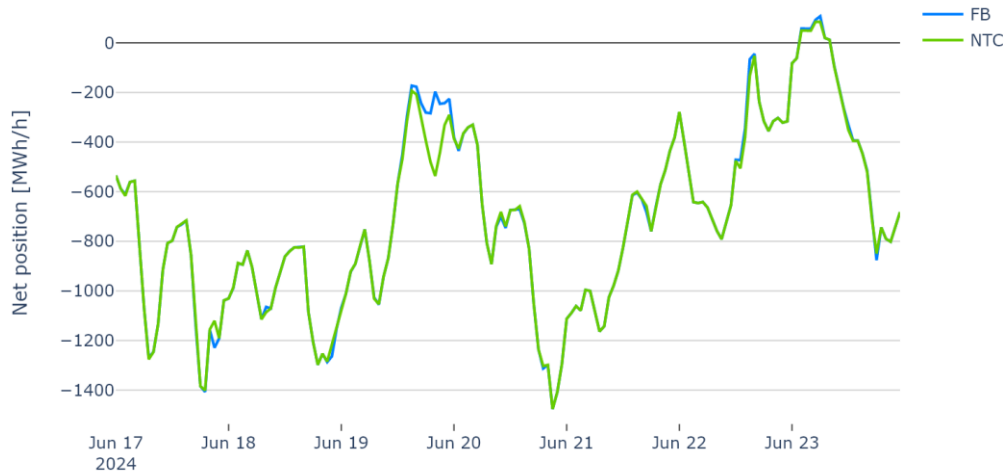
Denmark



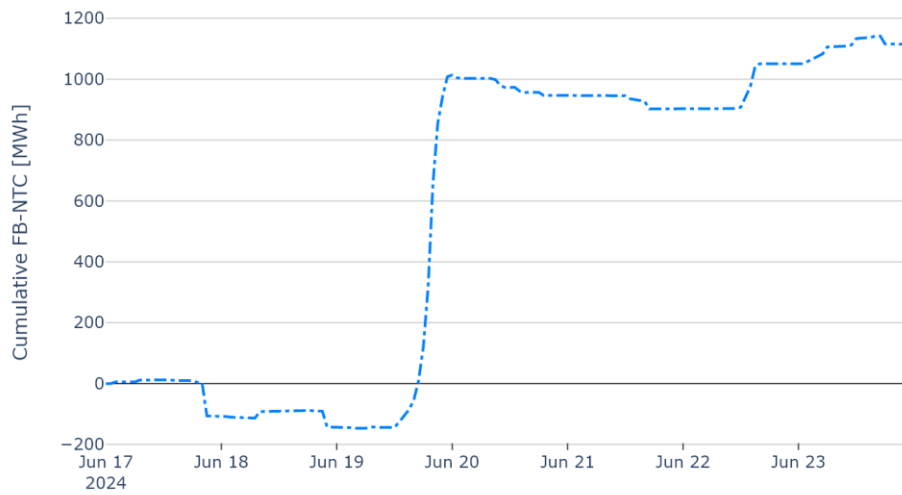




Net Position DK2

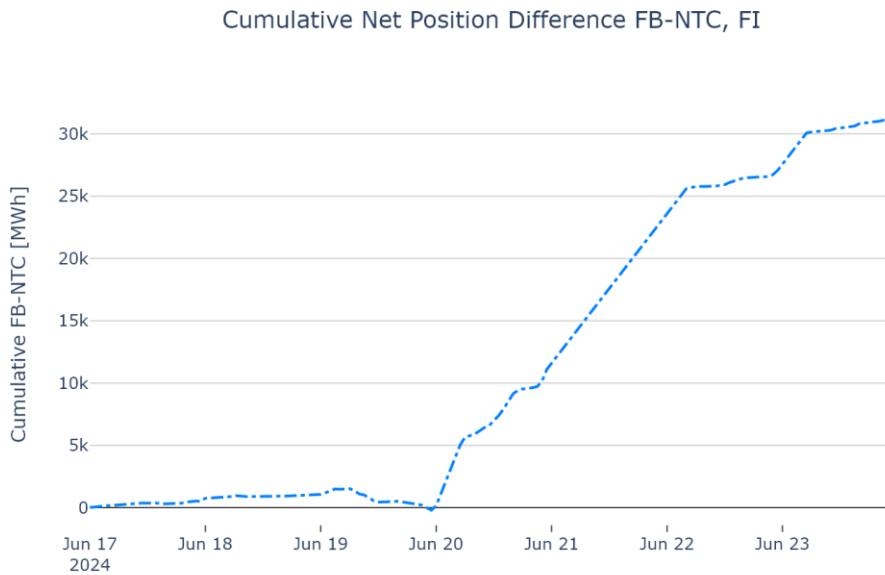
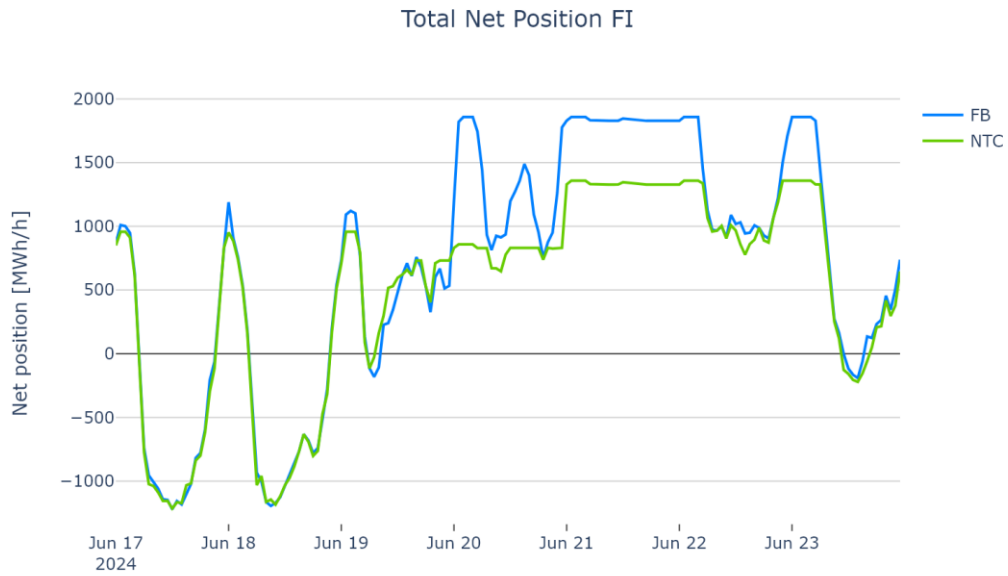


Cumulative Net Position Difference FB-NTC, DK2



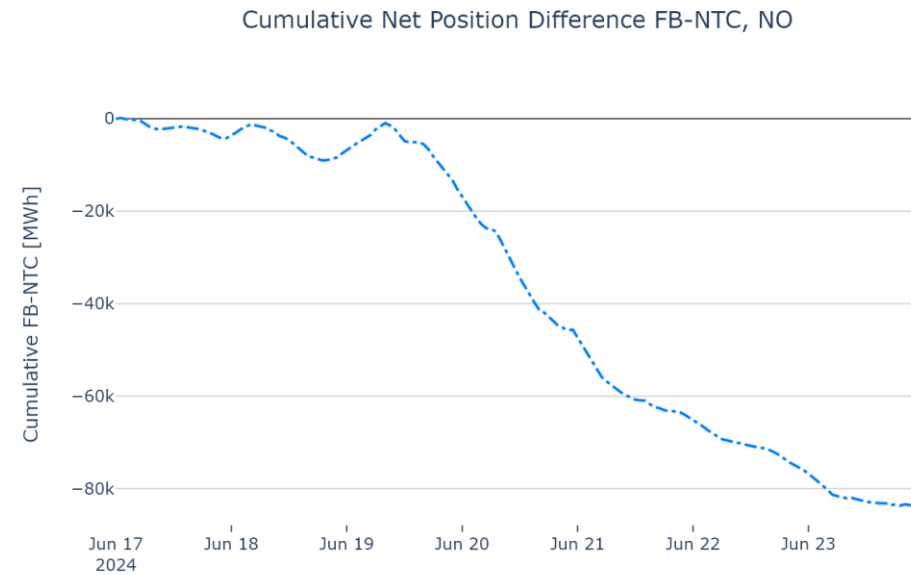
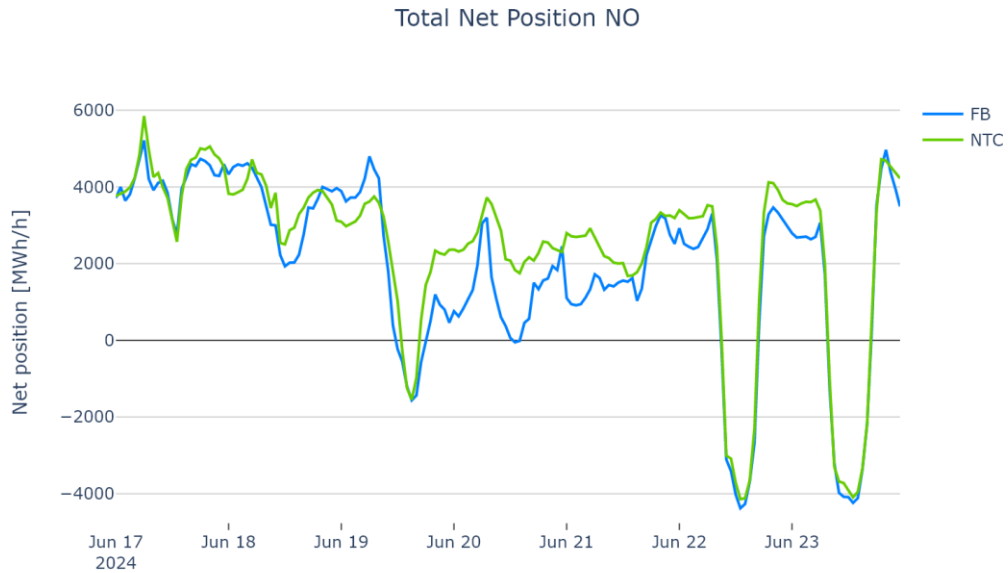


Finland



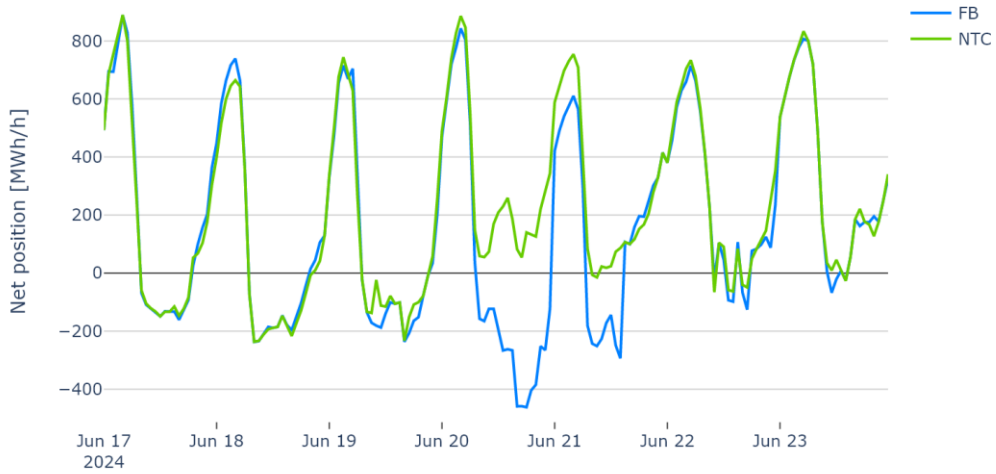


Norway

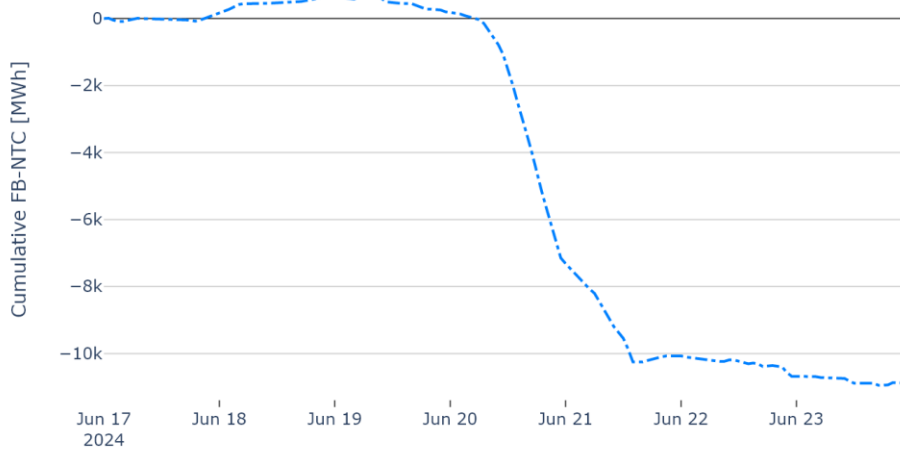




Net Position NO1

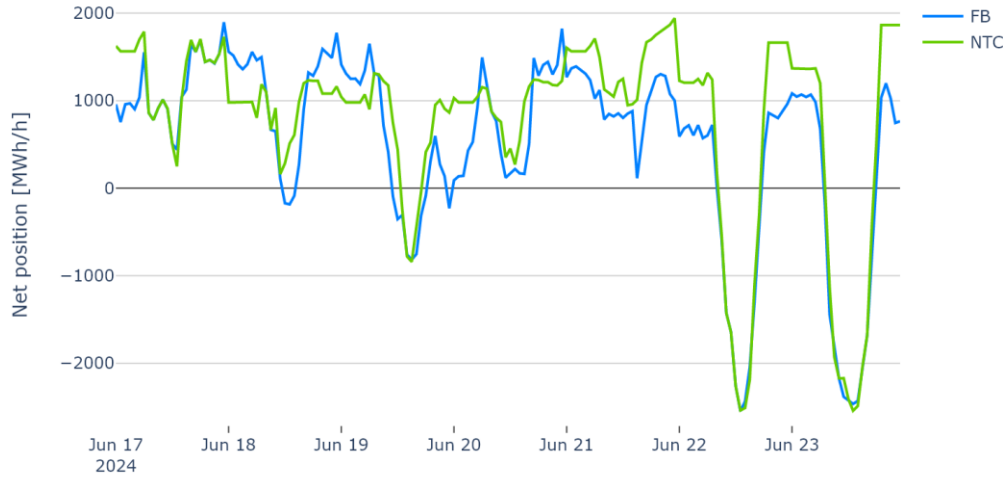


Cumulative Net Position Difference FB-NTC, NO1

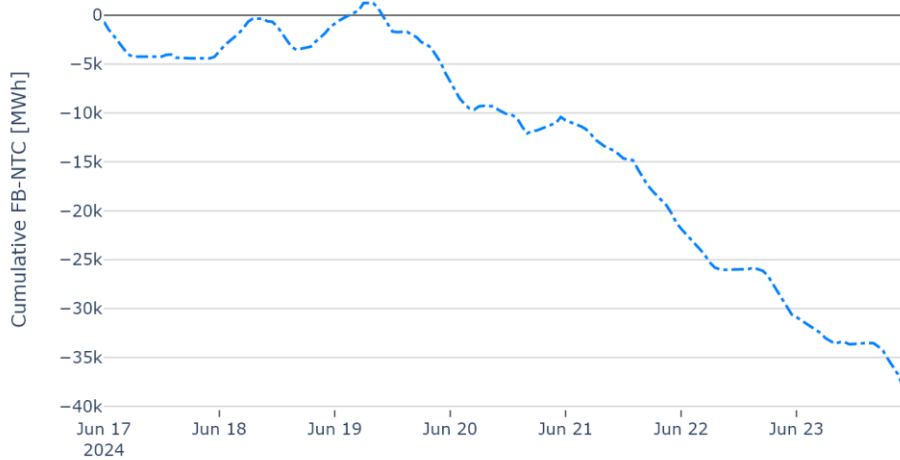


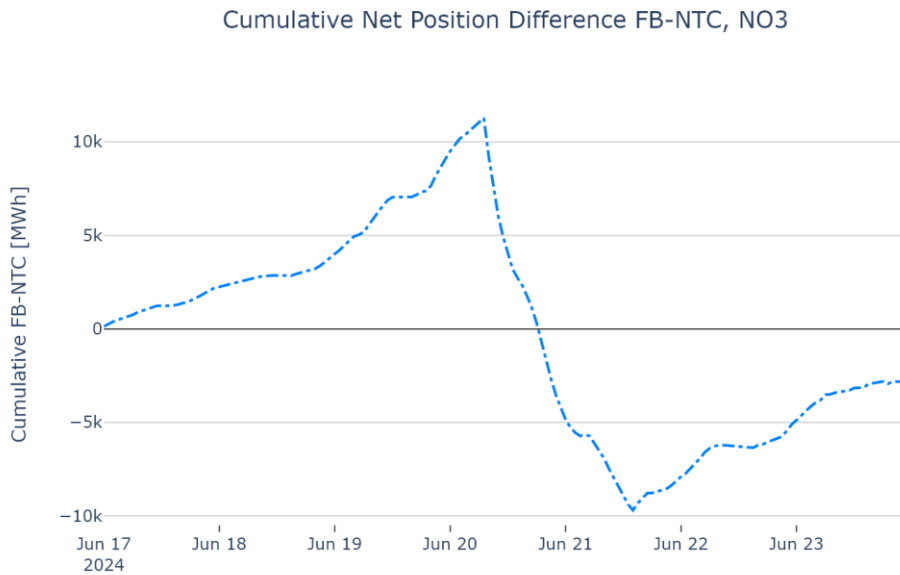
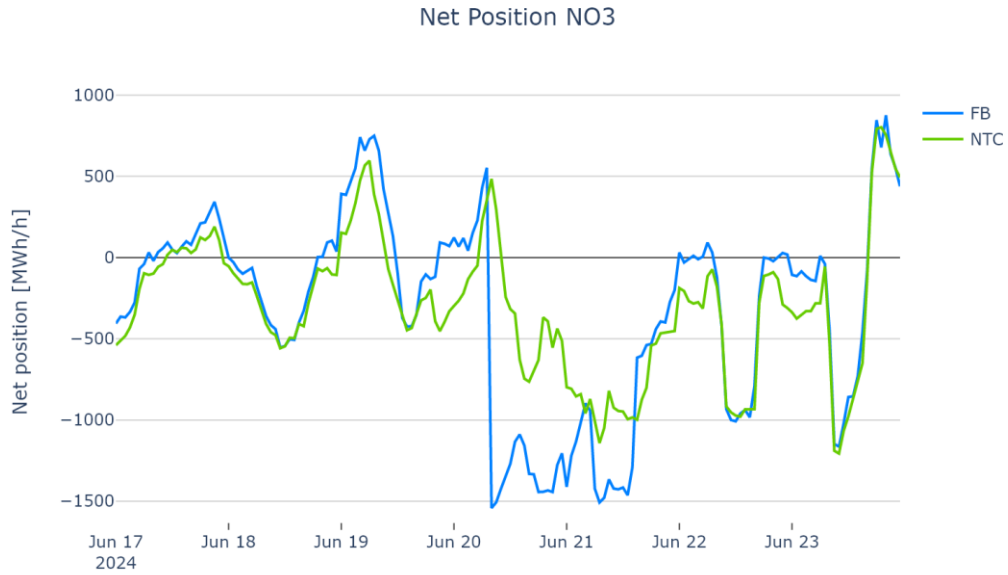


Net Position NO2



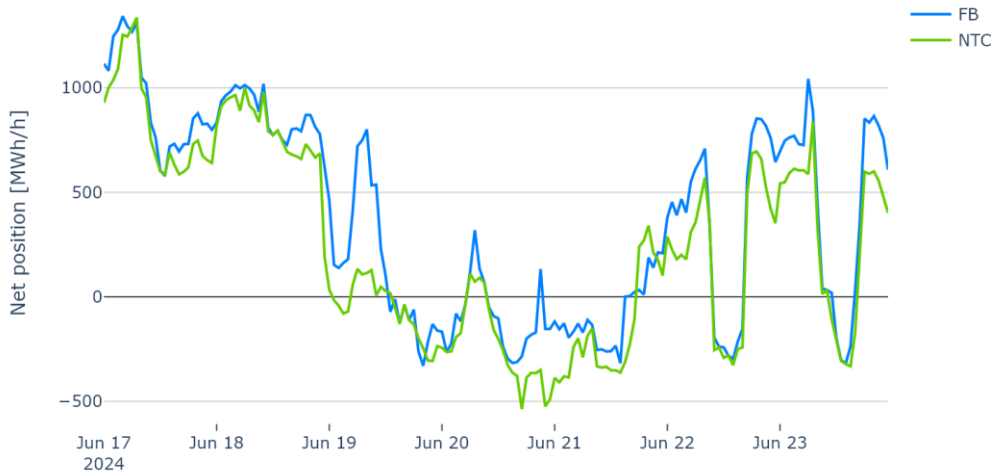
Cumulative Net Position Difference FB-NTC, NO2



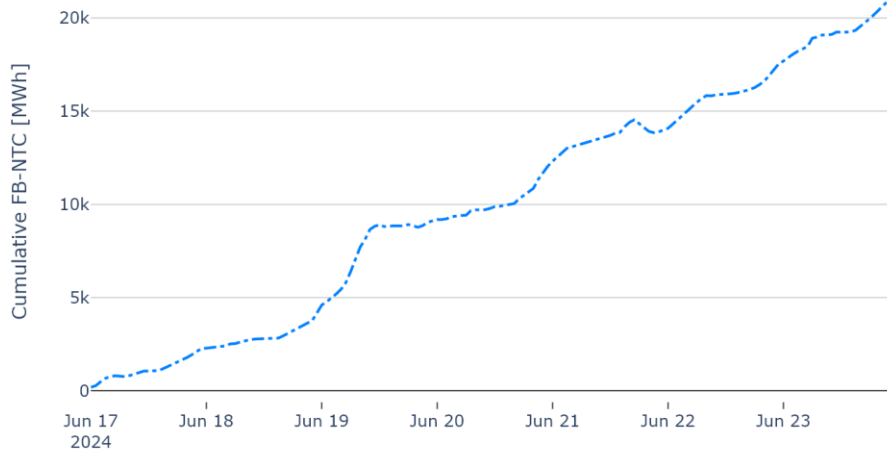




Net Position NO4

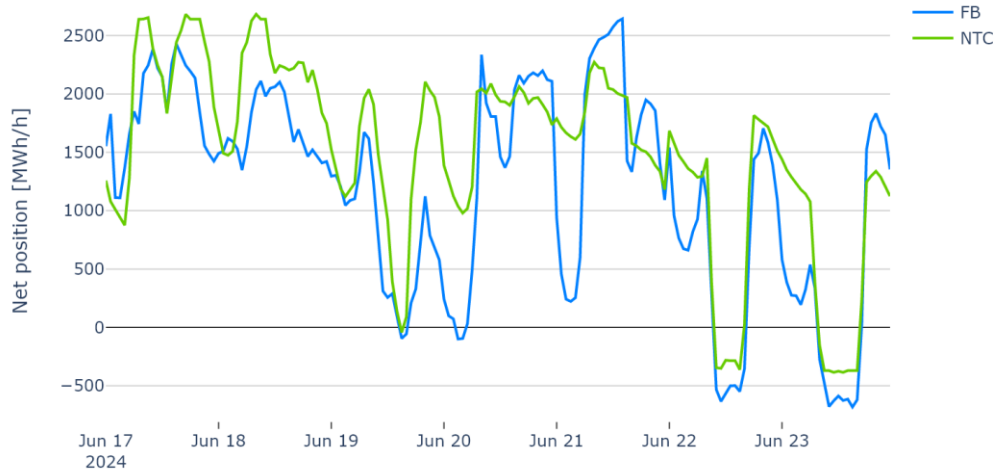


Cumulative Net Position Difference FB-NTC, NO4

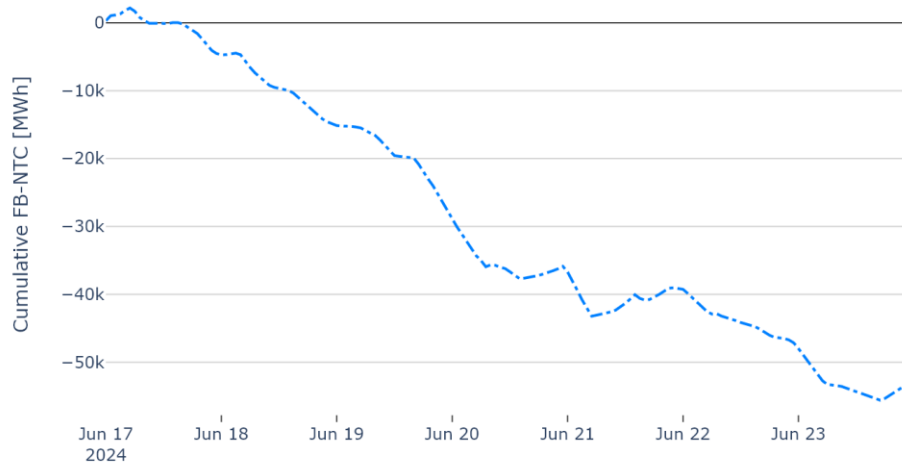




Net Position NO5

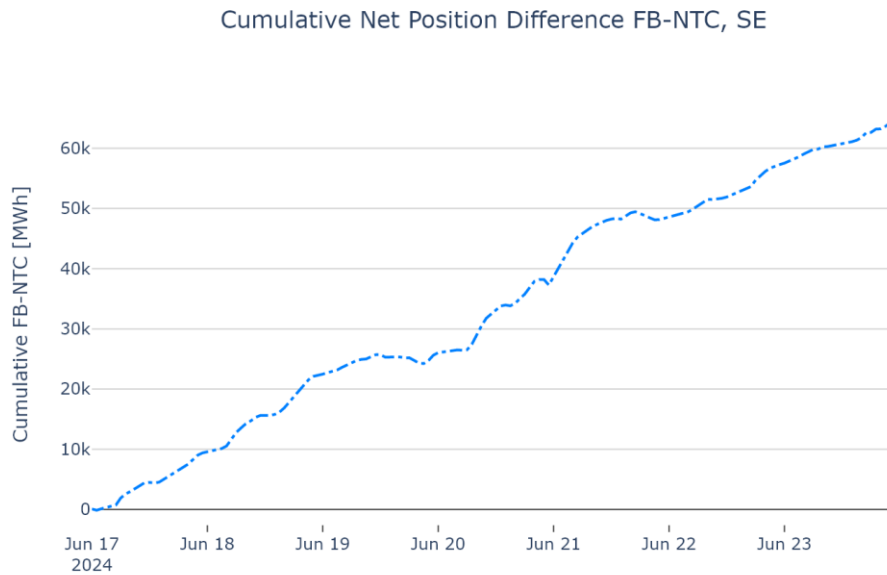
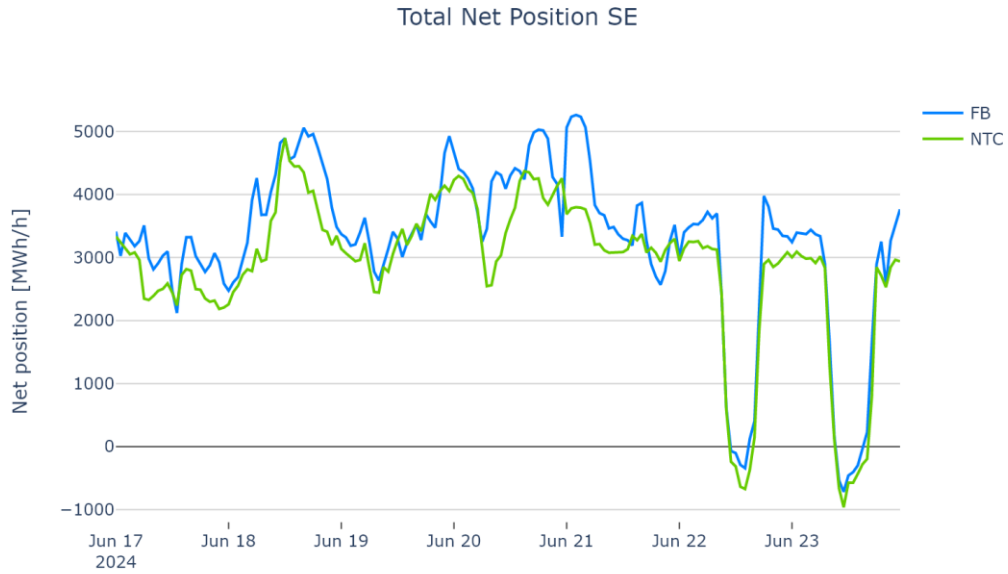


Cumulative Net Position Difference FB-NTC, NO5



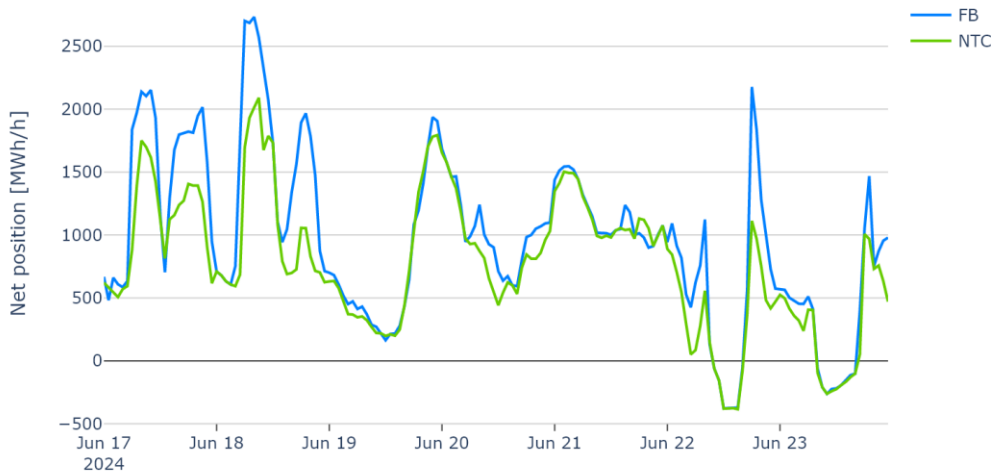


Sweden

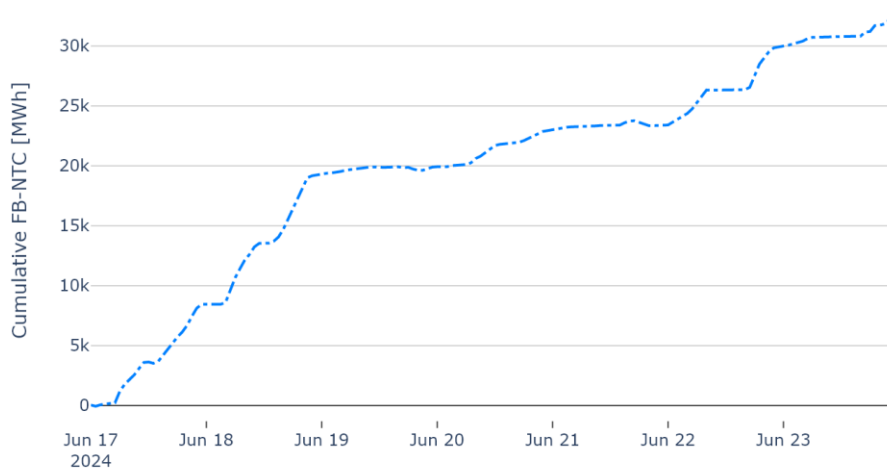




Net Position SE1



Cumulative Net Position Difference FB-NTC, SE1

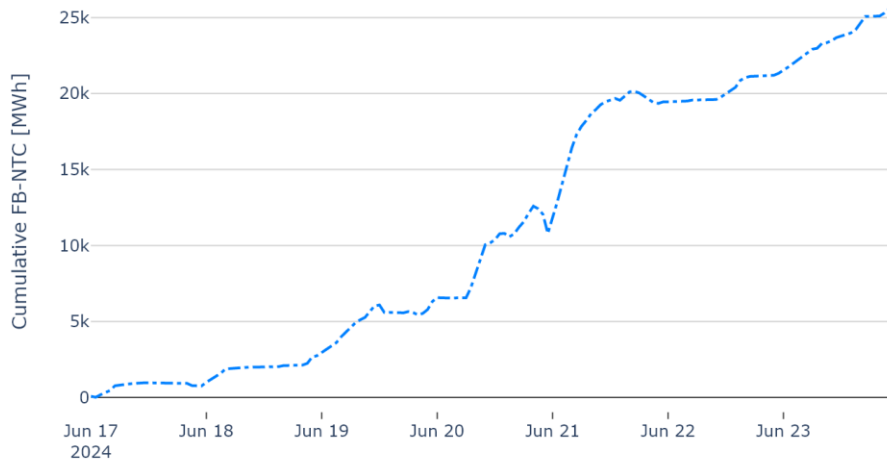




Net Position SE2

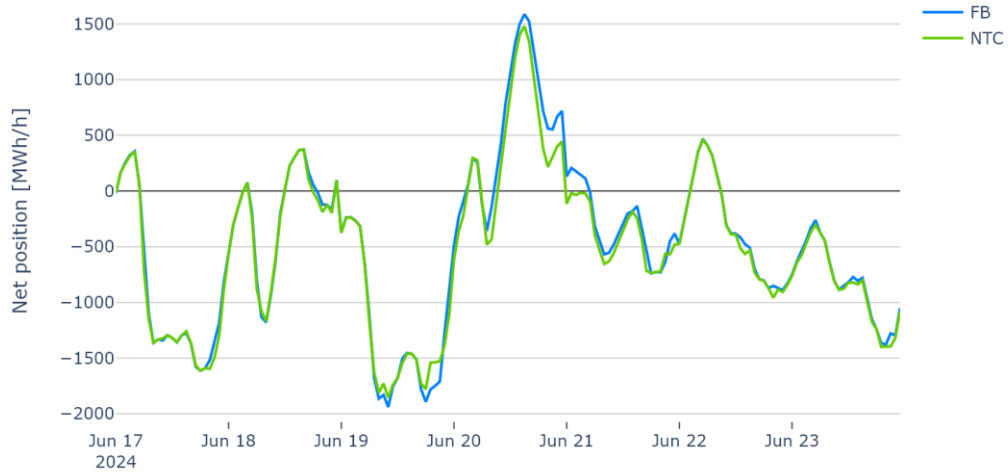


Cumulative Net Position Difference FB-NTC, SE2

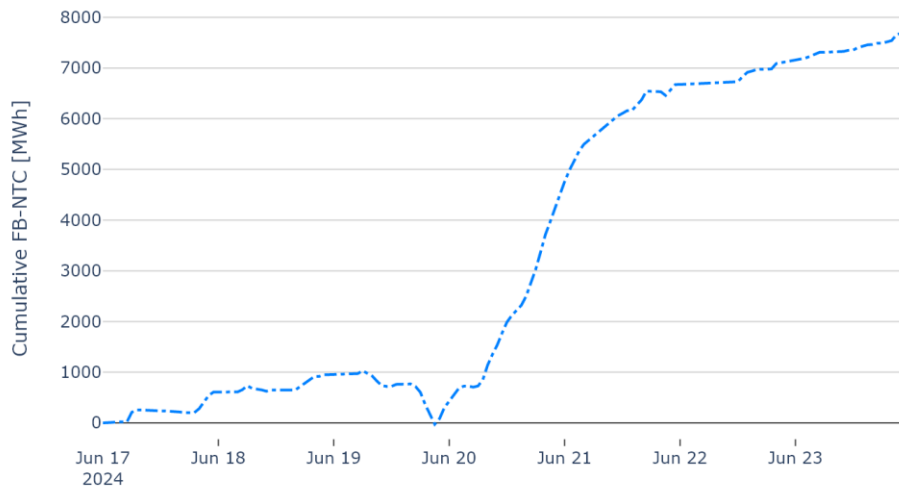


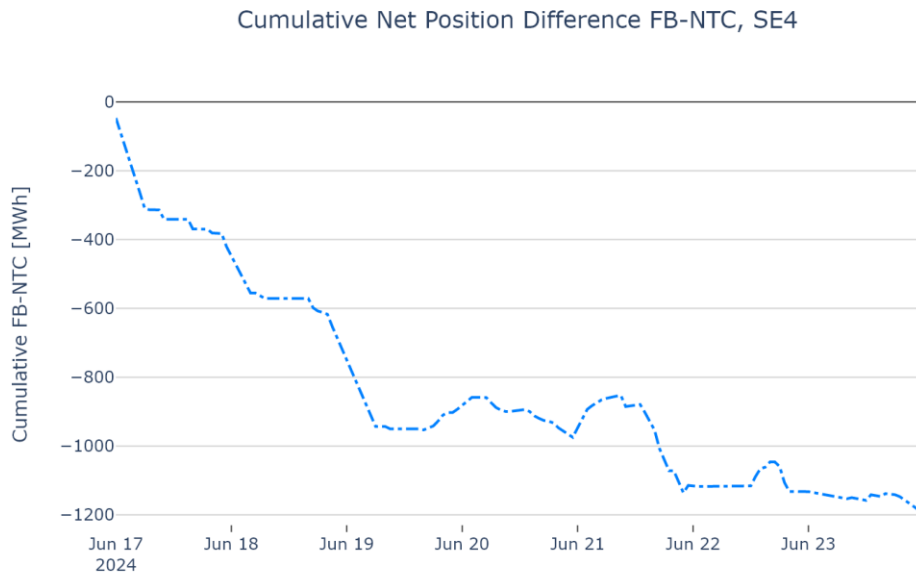
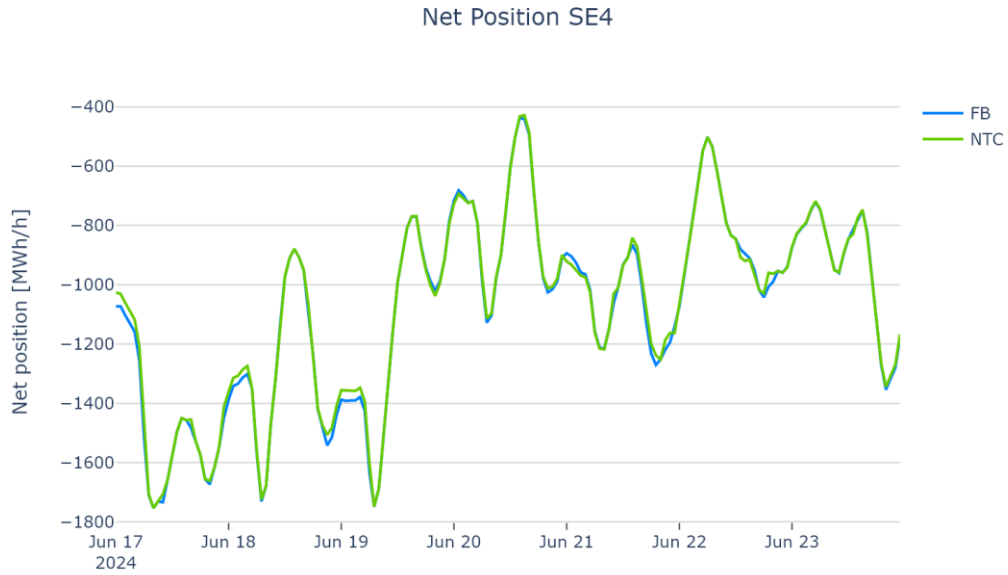


Net Position SE3



Cumulative Net Position Difference FB-NTC, SE3



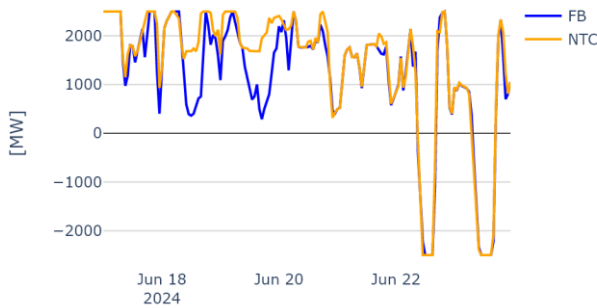




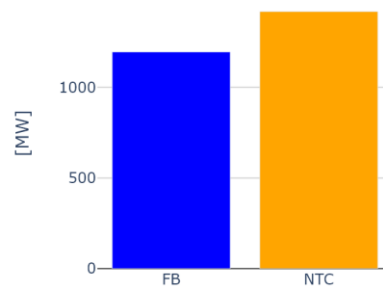
Border flow

The flows present here, both in FB and NTC, represent the physical flow on the lines and are calculated as the product of the NP and the PTDF matrix. When comparing the NTC-results in this report with those present in the DA market there will be a difference as the DA flows are calculated without the use of PTDF matrixes and therefore the flow from DA will not yield the same result.

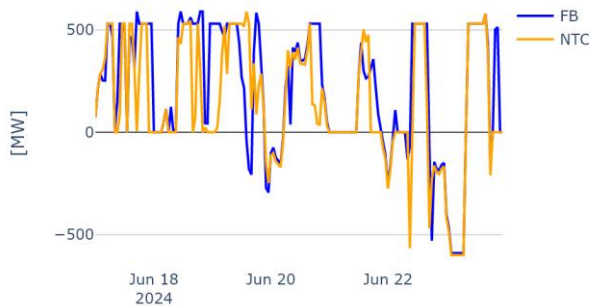
DK1 > DE/LU Physical Flow



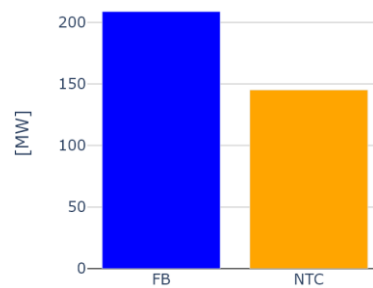
DK1 > DE/LU Average flow on border



DK1 > DK2 Physical Flow

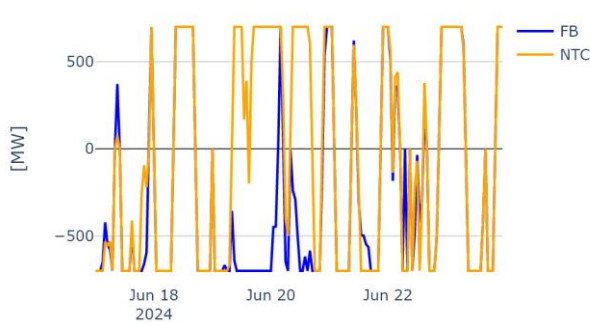


DK1 > DK2 Average flow on border

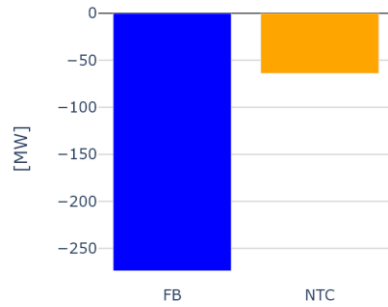




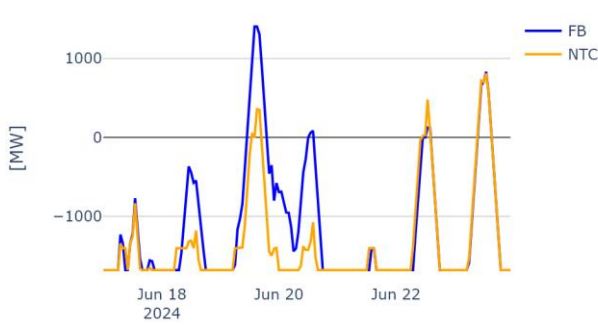
DK1 > NL Physical Flow



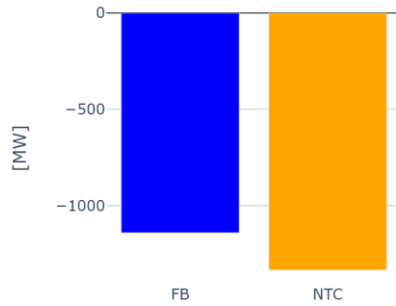
DK1 > NL Average flow on border



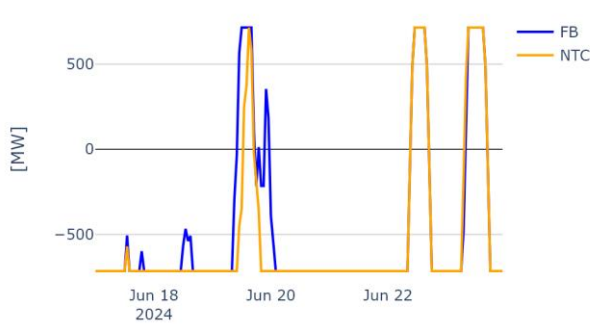
DK1 > NO2 Physical Flow



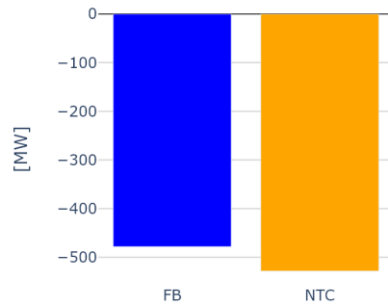
DK1 > NO2 Average flow on border



DK1 > SE3 Physical Flow

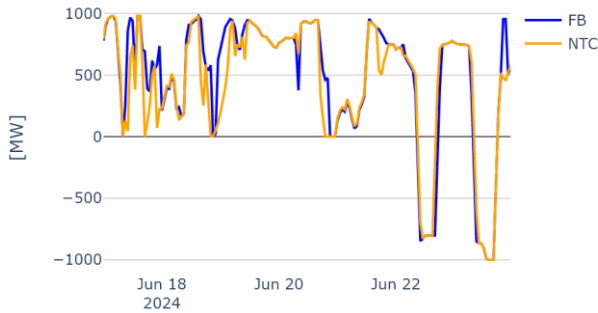


DK1 > SE3 Average flow on border

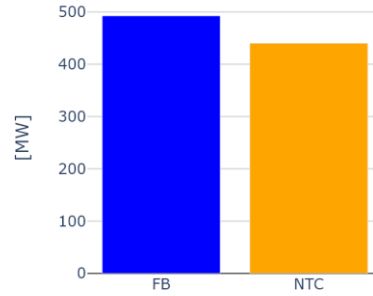




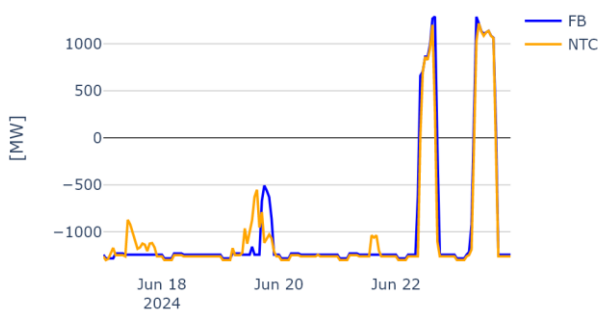
DK2 > DE/LU Physical Flow



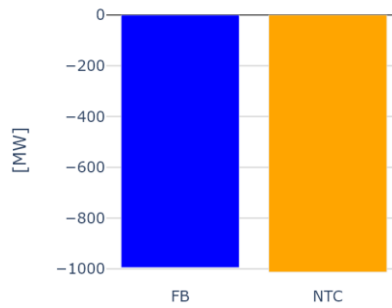
DK2 > DE/LU Average flow on border



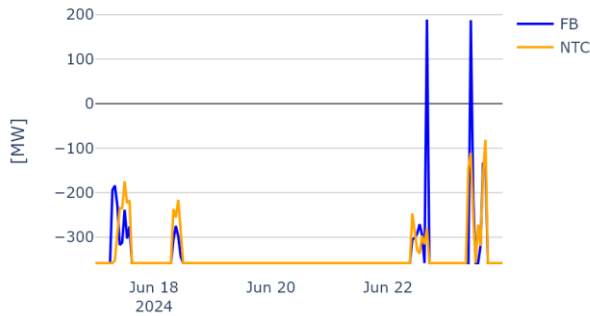
DK2 > SE4 Physical Flow



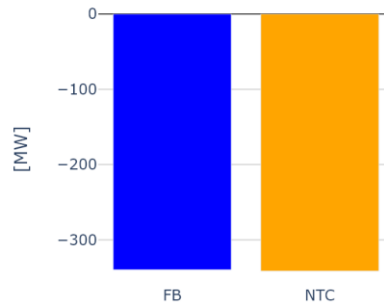
DK2 > SE4 Average flow on border



EE > FI Physical Flow

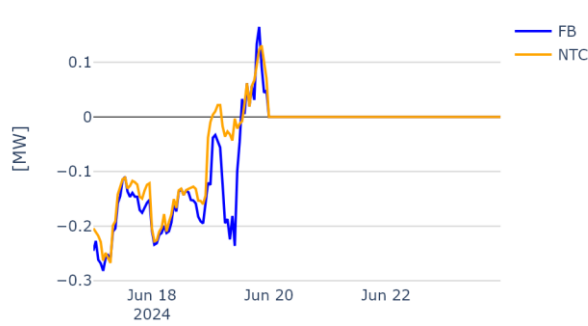


EE > FI Average flow on border

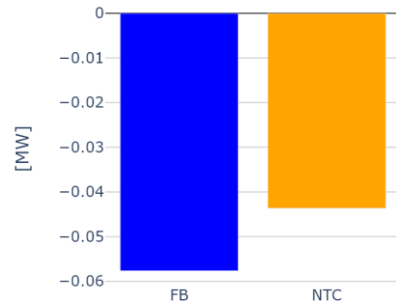




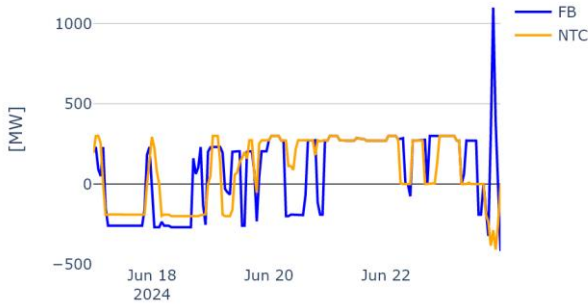
FI > NO4 Physical Flow



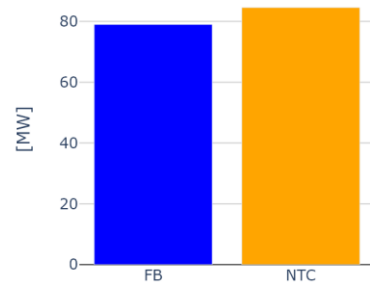
FI > NO4 Average flow on border



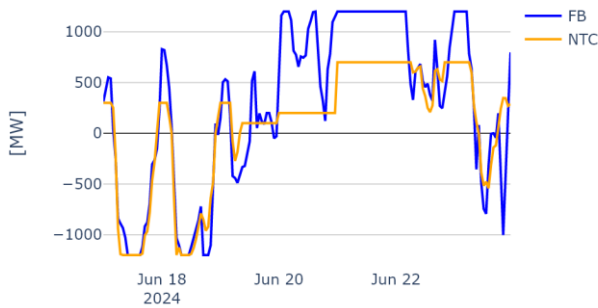
FI > SE1 Physical Flow



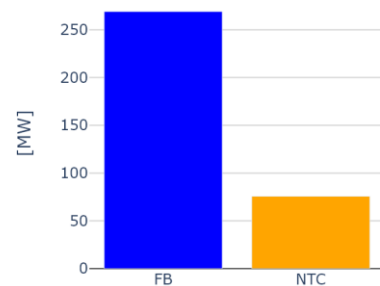
FI > SE1 Average flow on border



FI > SE3 Physical Flow

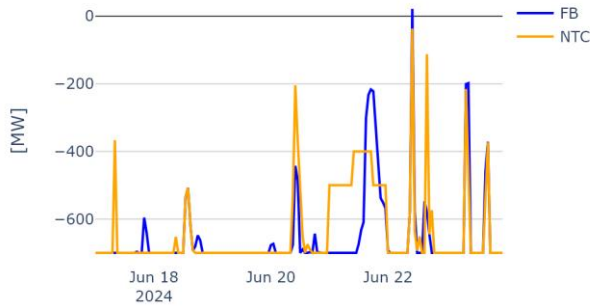


FI > SE3 Average flow on border

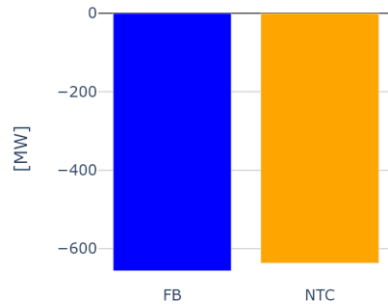




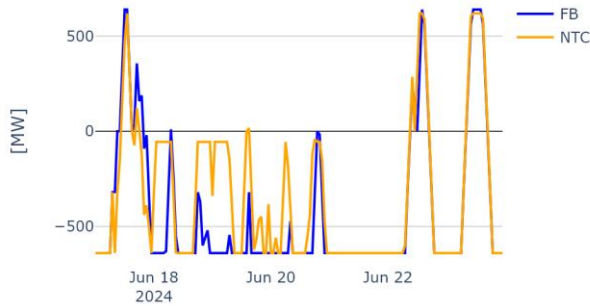
LT > SE4 Physical Flow



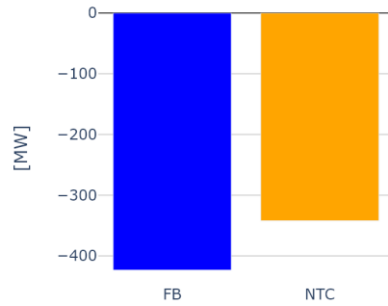
LT > SE4 Average flow on border



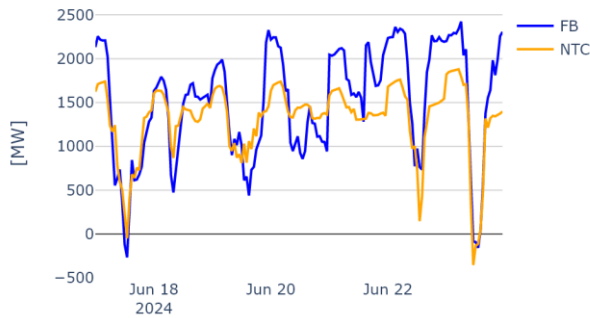
NL > NO2 Physical Flow



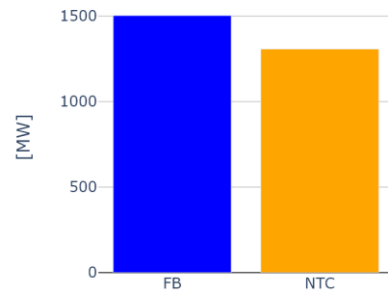
NL > NO2 Average flow on border



NO1 > NO2 Physical Flow

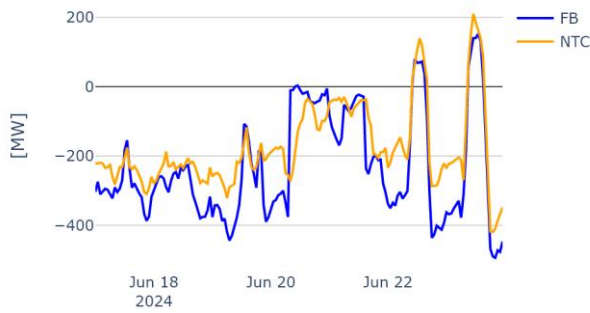


NO1 > NO2 Average flow on border

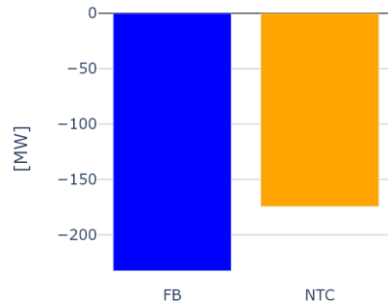




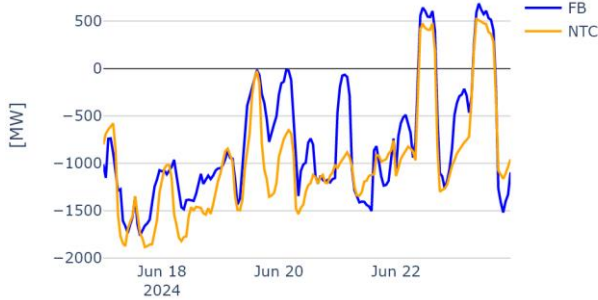
NO1 > NO3 Physical Flow



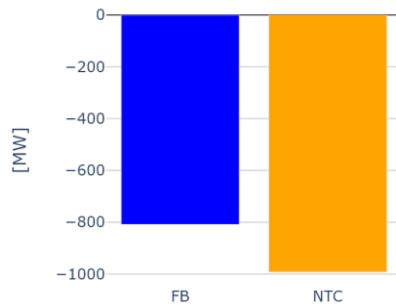
NO1 > NO3 Average flow on border



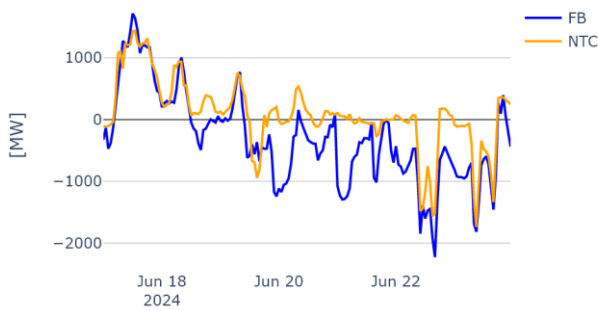
NO1 > NO5 Physical Flow



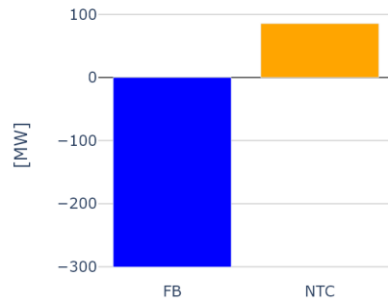
NO1 > NO5 Average flow on border



NO1 > SE3 Physical Flow

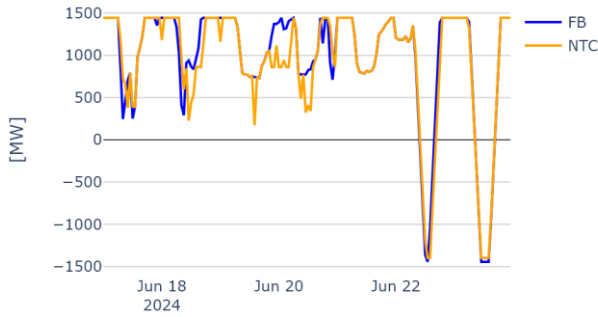


NO1 > SE3 Average flow on border

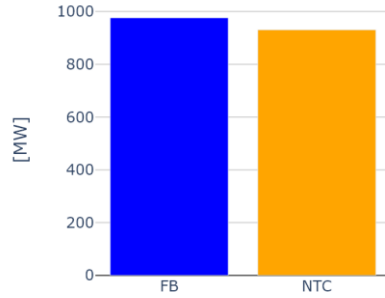




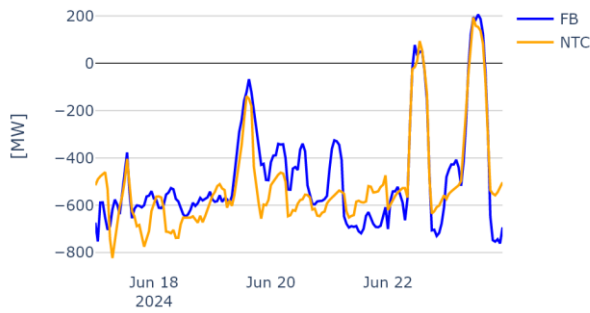
NO2 > DE/LU Physical Flow



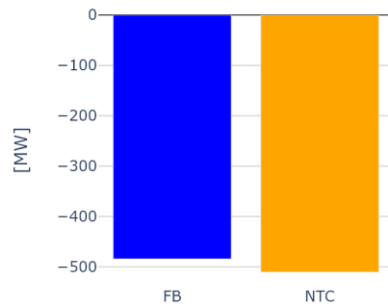
NO2 > DE/LU Average flow on border



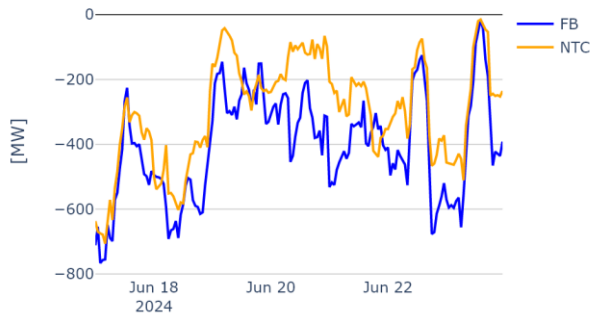
NO2 > NO5 Physical Flow



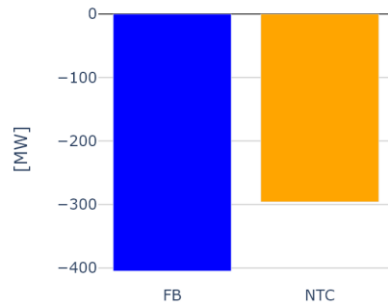
NO2 > NO5 Average flow on border



NO3 > NO4 Physical Flow

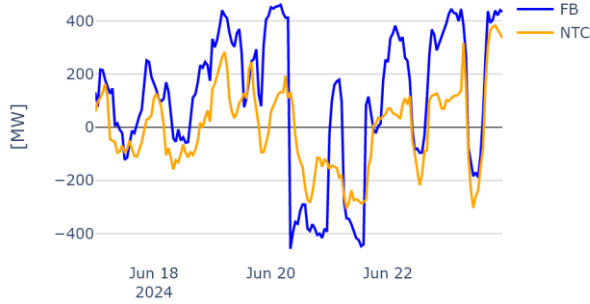


NO3 > NO4 Average flow on border

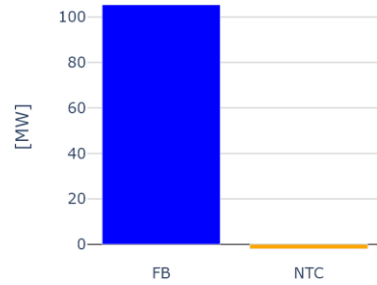




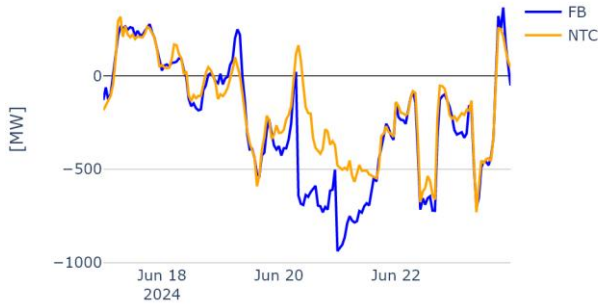
NO3 > NO5 Physical Flow



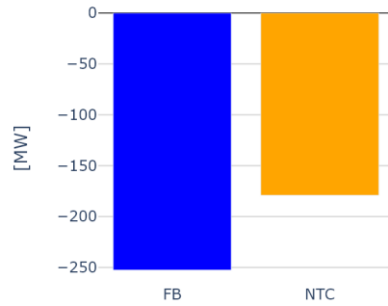
NO3 > NO5 Average flow on border



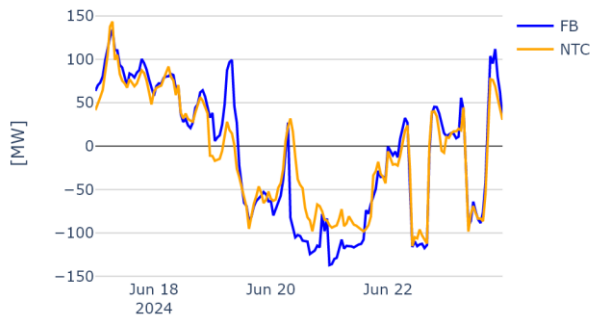
NO3 > SE2 Physical Flow



NO3 > SE2 Average flow on border



NO4 > SE2 Physical Flow

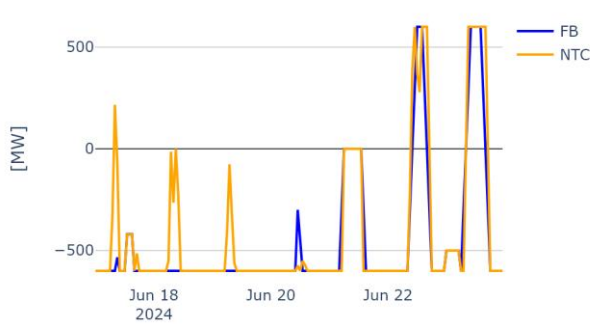


NO4 > SE2 Average flow on border

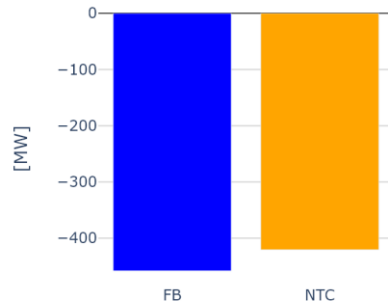




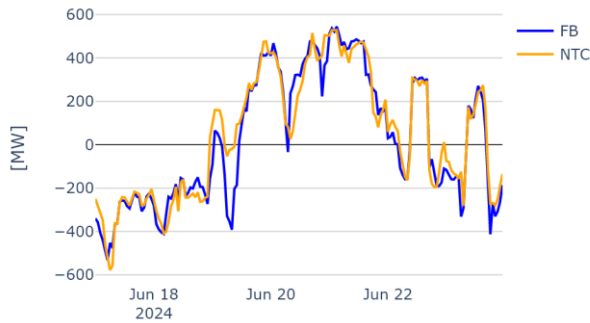
PL > SE4 Physical Flow



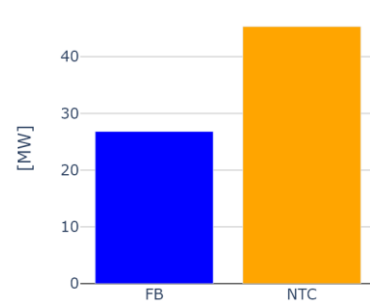
PL > SE4 Average flow on border



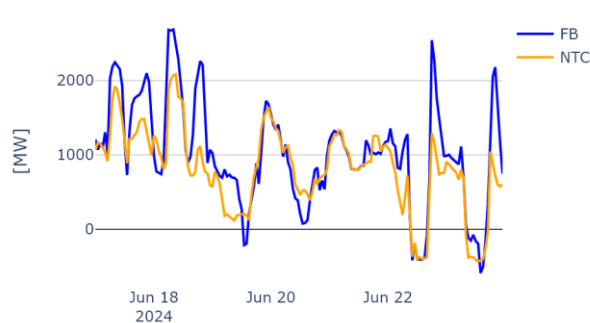
SE1 > NO4 Physical Flow



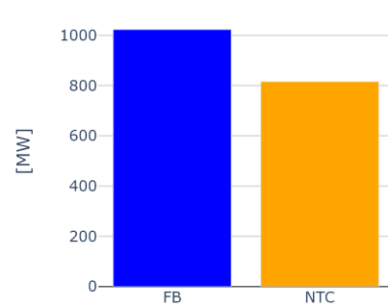
SE1 > NO4 Average flow on border



SE1 > SE2 Physical Flow

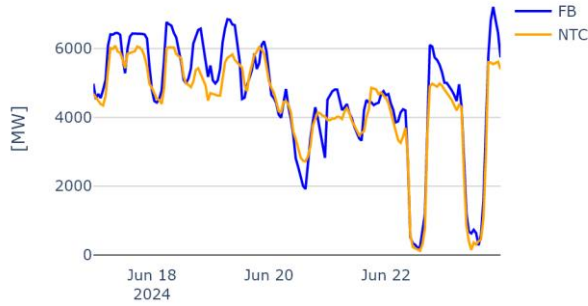


SE1 > SE2 Average flow on border





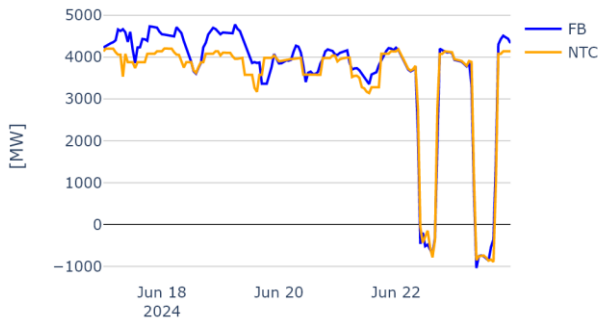
SE2 > SE3 Physical Flow



SE2 > SE3 Average flow on border



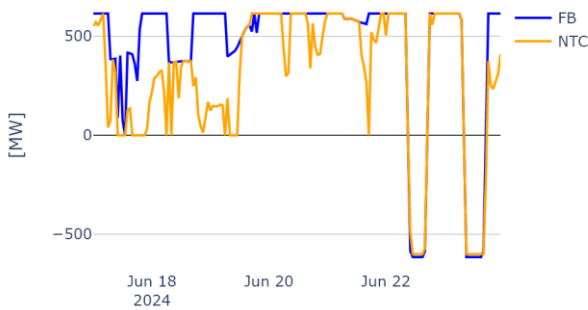
SE3 > SE4 Physical Flow



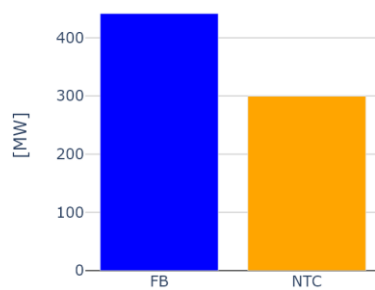
SE3 > SE4 Average flow on border



SE4 > DE/LU Physical Flow



SE4 > DE/LU Average flow on border





Flows per border (FB)

Values are rounded to the nearest integer.

Border	Congestion Income (total)	Avg. Price Spread
DK1 > DE/LU	2473100	11
DK1 > DK2	503155	5
DK1 > NL	-410455	-4
DK1 > NO2	5288973	20
DK1 > SE3	4620186	39
DK2 > DE/LU	286897	2
DK2 > SE4	7395147	35
EE > FI	4036905	67
FI > NO4	112	4
FI > SE1	448020	10
FI > SE3	1416755	6
LT > SE4	5511824	49
NL > NO2	2650655	28
NO1 > NO2	5111678	22
NO1 > NO3	320075	4
NO1 > NO5	-714447	-5
NO1 > SE3	104913	-2
NO2 > DE/LU	5777201	29
NO2 > NO5	1588351	17
NO3 > NO4	-95971	-2
NO3 > NO5	-301184	-5
NO3 > SE2	-170462	-1
NO4 > SE2	27714	2
PL > SE4	5175939	52
SE1 > NO4	81403	1
SE1 > SE2	128844	0
SE2 > SE3	5951707	6
SE3 > SE4	7235951	11
SE4 > DE/LU	3539001	37



Non-Intuitive flows (FB)

Values are rounded to the nearest integer.

Border	Pct. of non-intuitive flows	Negative congestion income	Avg. price spread for non-intuitive flows
DK1 > DE/LU	0	0	0
DK1 > DK2	10	-83876	-29
DK1 > NL	18	-956736	-47
DK1 > NO2	18	-287485	-15
DK1 > SE3	6	-25049	-9
DK2 > DE/LU	13	-3786	-1
DK2 > SE4	4	-1703	0
EE > FI	0	0	0
FI > NO4	14	-20	-6
FI > SE1	4	-319	0
FI > SE3	27	-124472	-7
LT > SE4	5	-7283	-1
NL > NO2	5	-15928	-6
NO1 > NO2	3	-709	-1
NO1 > NO3	21	-23392	-18
NO1 > NO5	45	-1973991	-24
NO1 > SE3	41	-347685	-16
NO2 > DE/LU	2	-28336	-17
NO2 > NO5	4	-998	-1
NO3 > NO4	42	-210392	-8
NO3 > NO5	35	-474541	-26
NO3 > SE2	34	-318247	-10
NO4 > SE2	33	-15662	-3
PL > SE4	3	-82243	-35
SE1 > NO4	33	-41049	-2
SE1 > SE2	32	-93034	-2
SE2 > SE3	21	-36995	0
SE3 > SE4	7	-6818	0
SE4 > DE/LU	1	-203	-13