



Nordic Capacity Calculation Methodology Project (Nordic CCM)

Nordic CCM

External Parallel Run Market Report
Appendix for Week 27 of 2024



Appendix

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Domain validation

Energy Delivery Day:	Mon. 01.07	Tue. 02.07	Wed. 03.07	Thu. 04.07	Fri. 05.07	Sat. 06.07	Sun. 07.07
Invalid/missing IGMs	0	0	0	0	0	1	0
Substituted IGMs	0	0	0	0	0	1	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	1	1	0	0
Final domain acceptance (1 TSO =25%)	100%	100%	100%	100%	100%	100%	100%

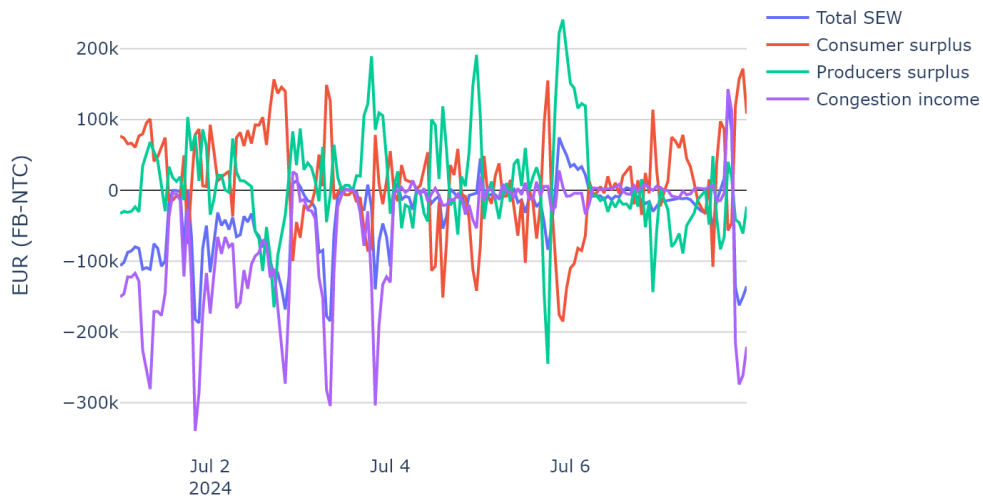


Socio Economic Welfare

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.

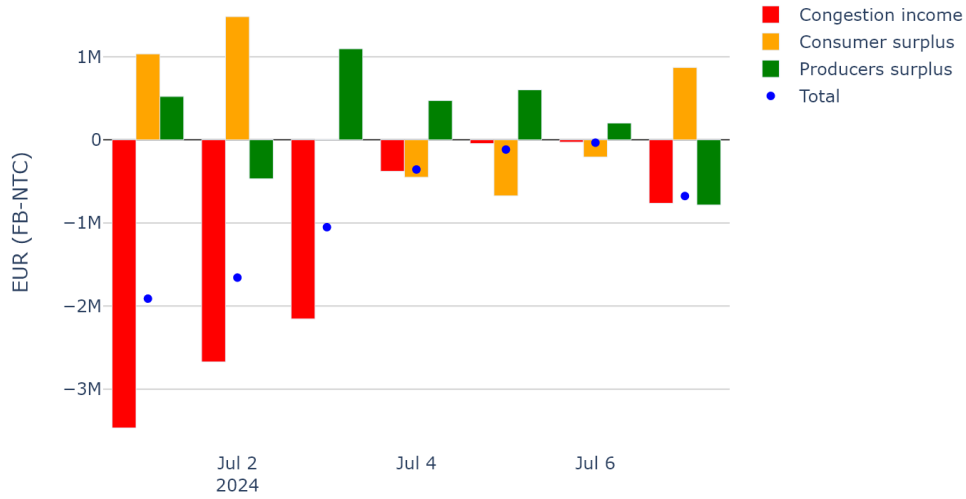
Nordics

Hourly Nordic socio-economic welfare gain, FB-NTC

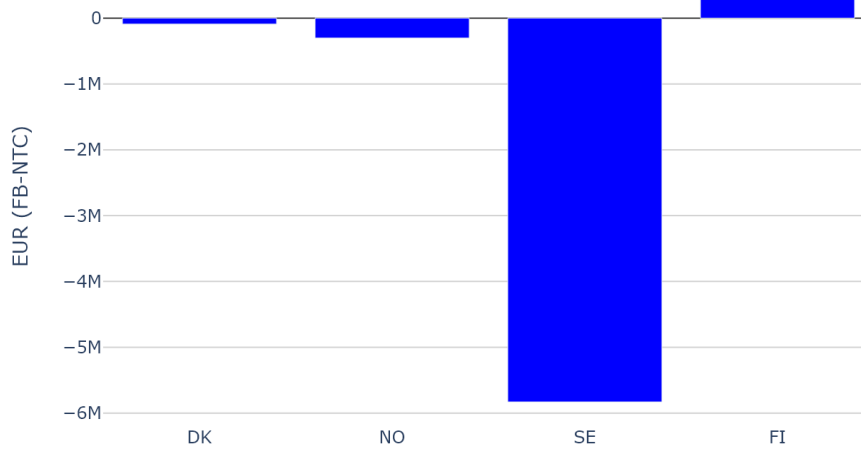




Nordics socio-economic welfare per stakeholder and day

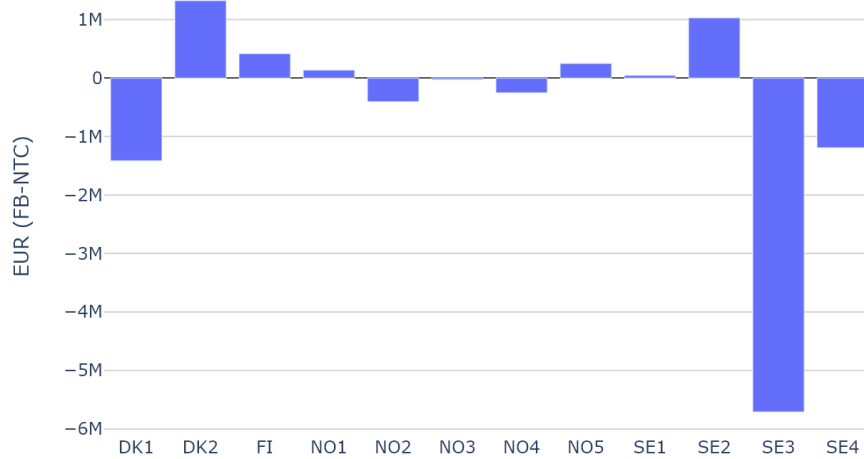


Total Nordic socio-economic welfare per country



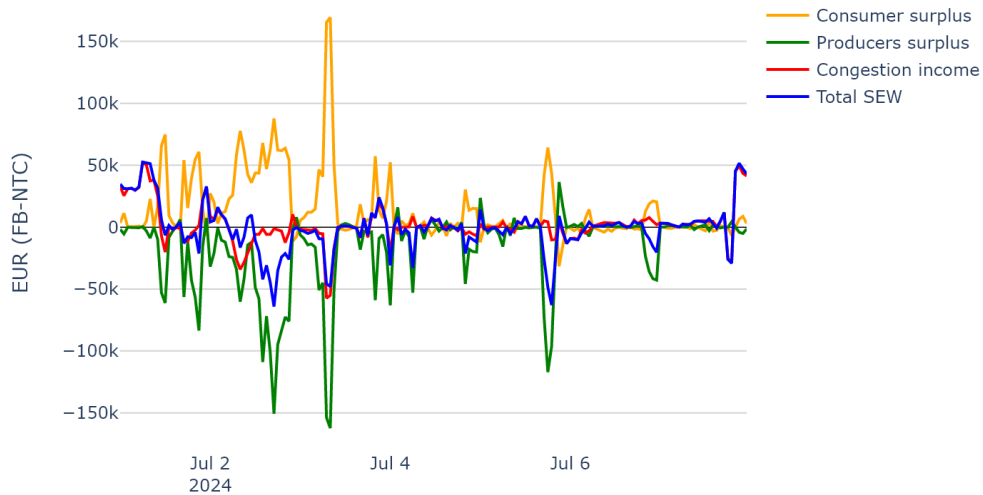


Socio economic welfaregain FB-NTC per BZ - Total_sew



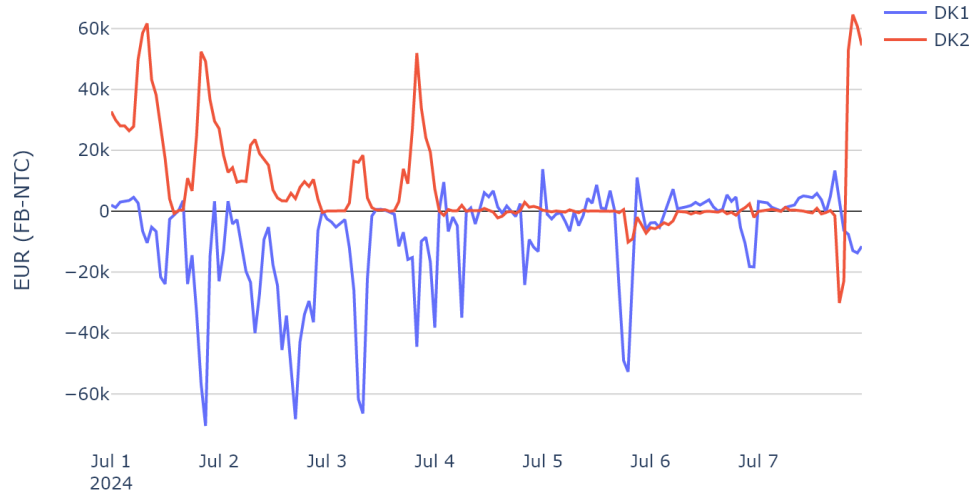
Denmark

DK, socio-economic welfare per stakeholder and country

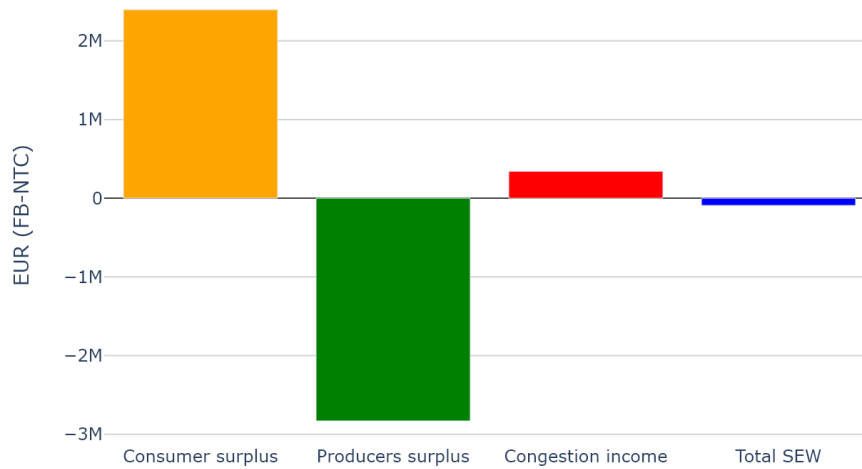




Total socio economic welfaregain FB-NTC per BZ in DK



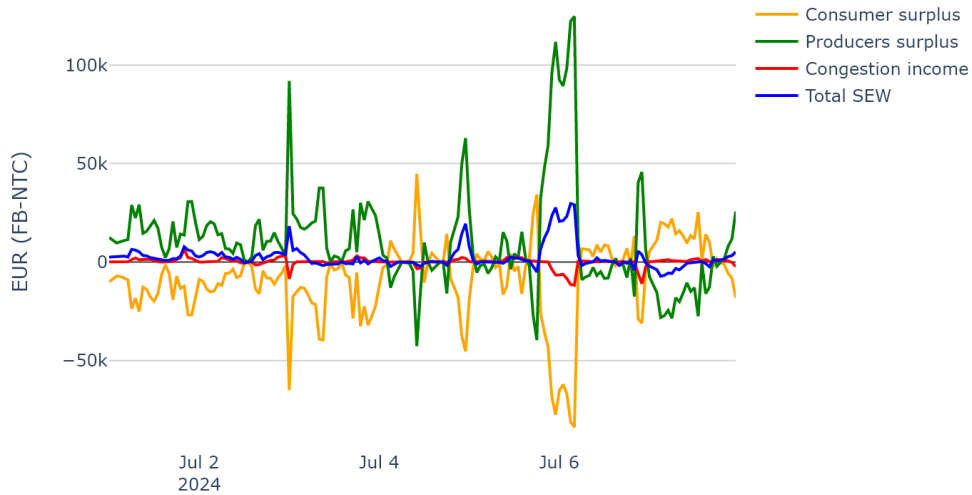
DK, socio-economic welfare per stakeholder and country



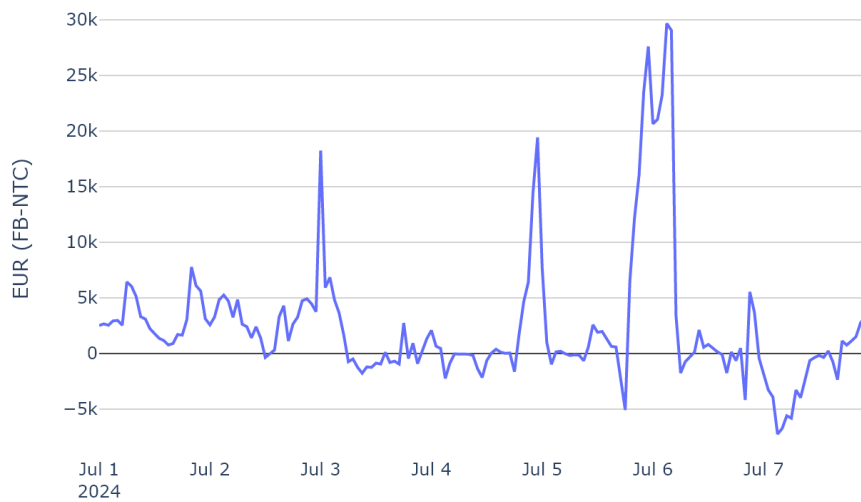


Finland

FI, socio-economic welfare per stakeholder and country

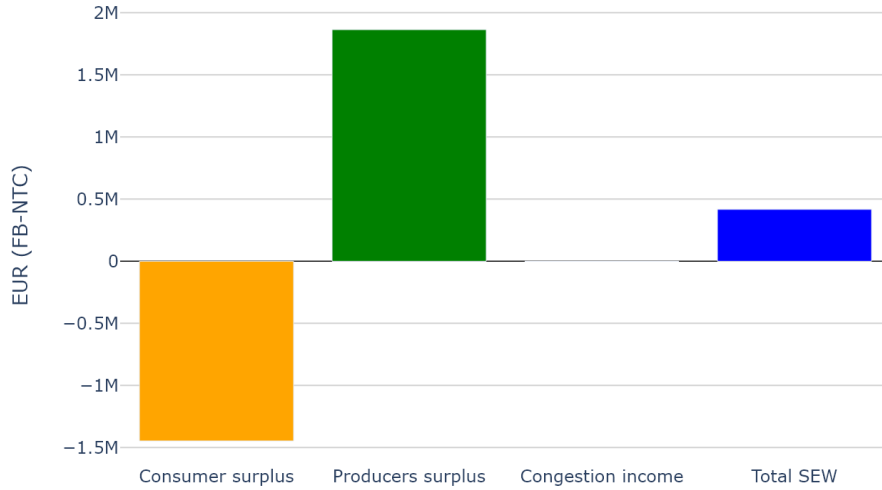


Total socio economic welfaregain FB-NTC per BZ in FI



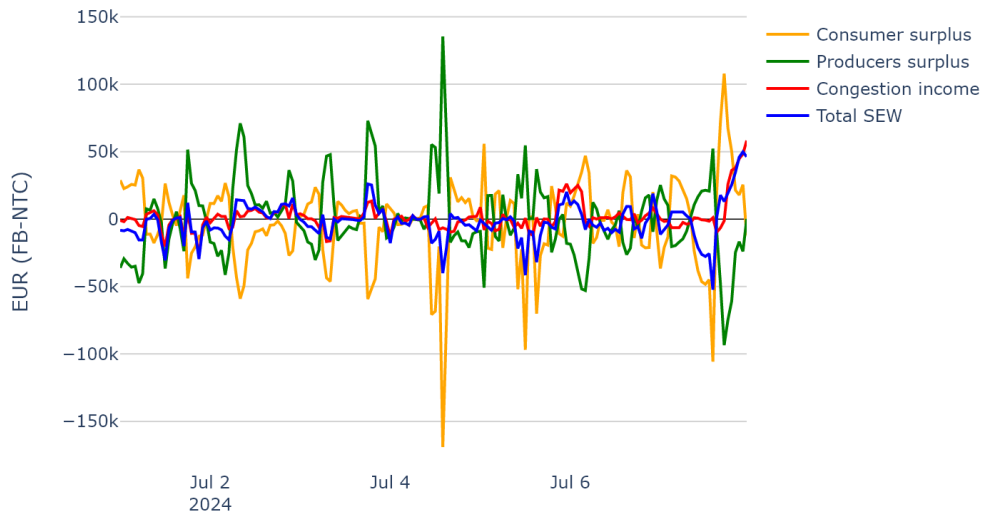


FI, socio-economic welfare per stakeholder and country



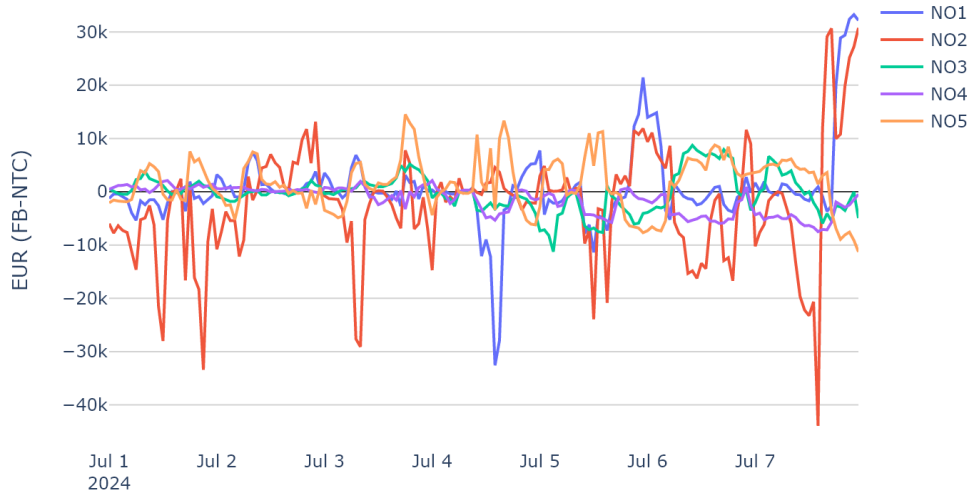
Norway

NO, socio-economic welfare per stakeholder and country

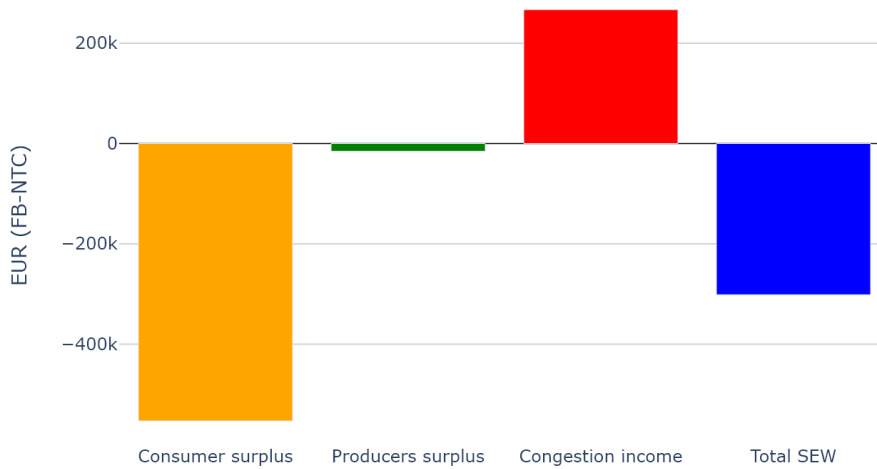




Total socio economic welfaregain FB-NTC per BZ in NO



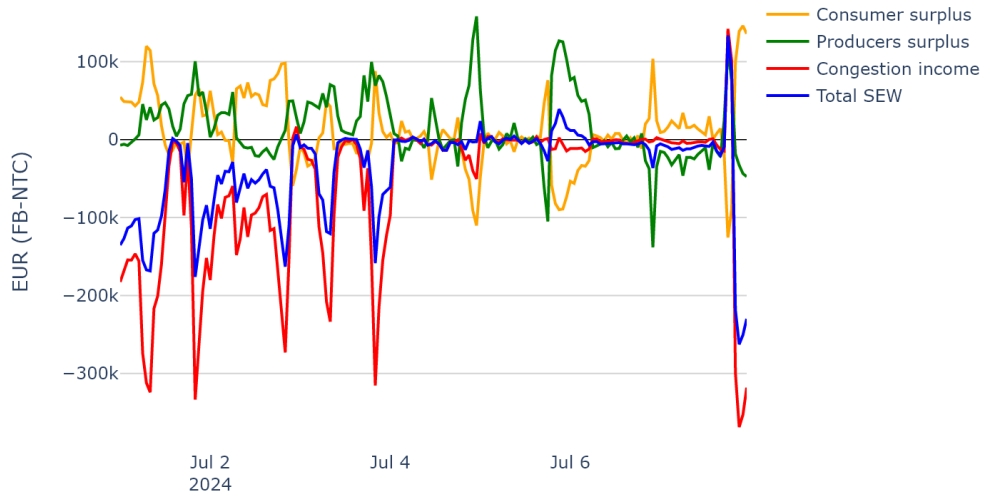
NO, socio-economic welfare per stakeholder and country



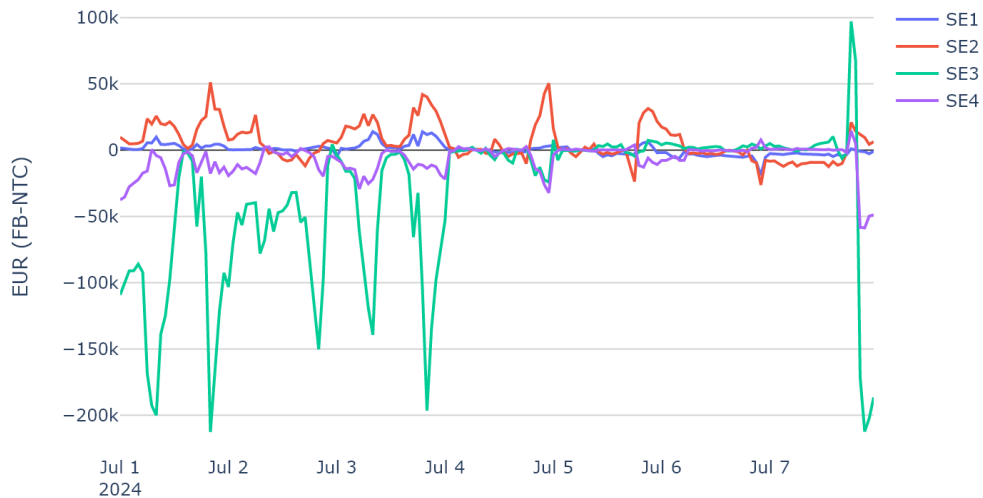


Sweden

SE, socio-economic welfare per stakeholder and country

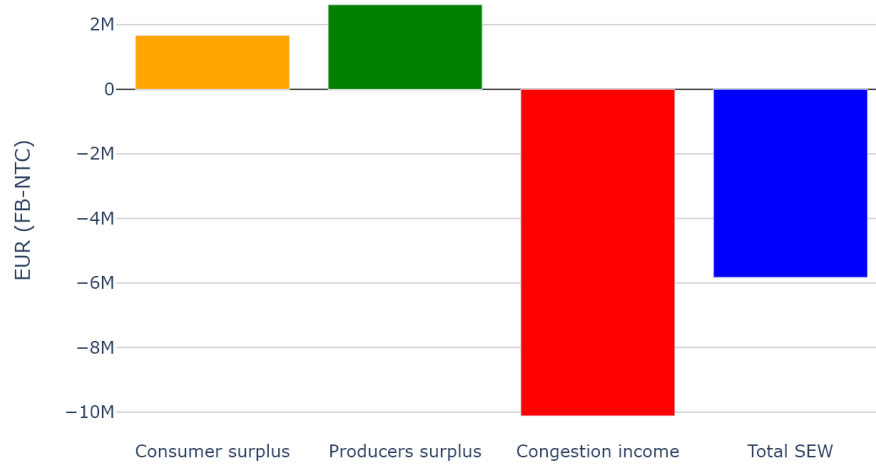


Total socio economic welfaregain FB-NTC per BZ in SE





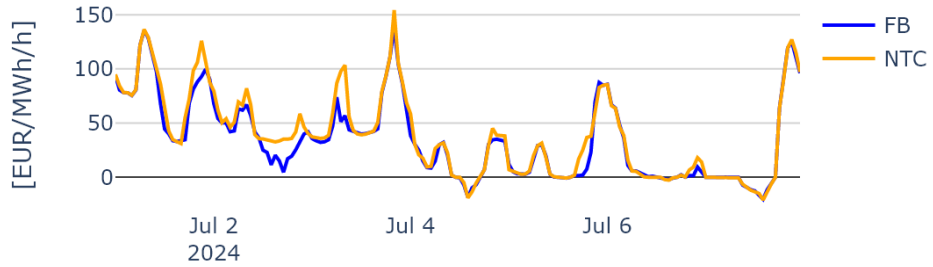
SE, socio-economic welfare per stakeholder and country



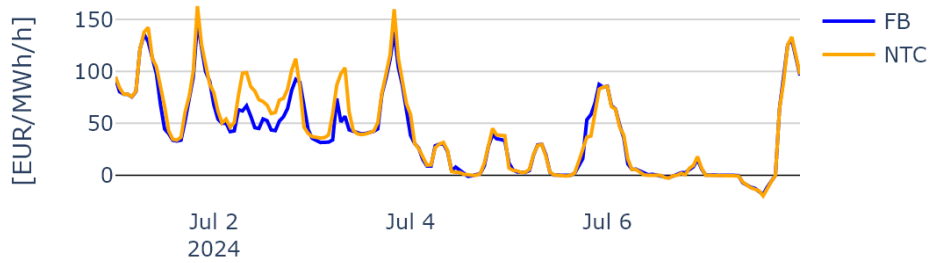


Prices

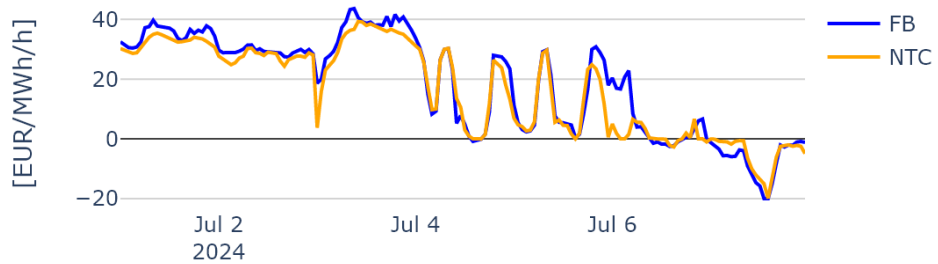
DK1 price



DK2 price

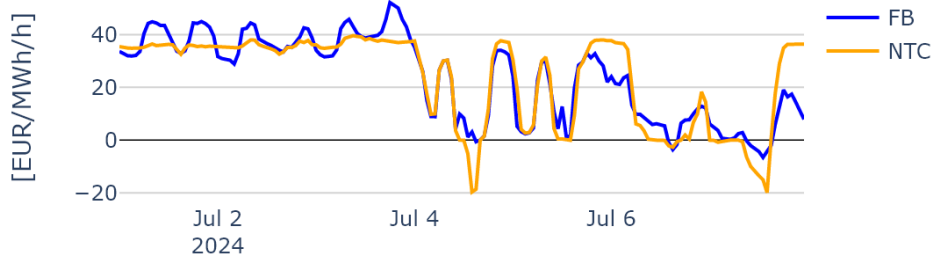


FI price

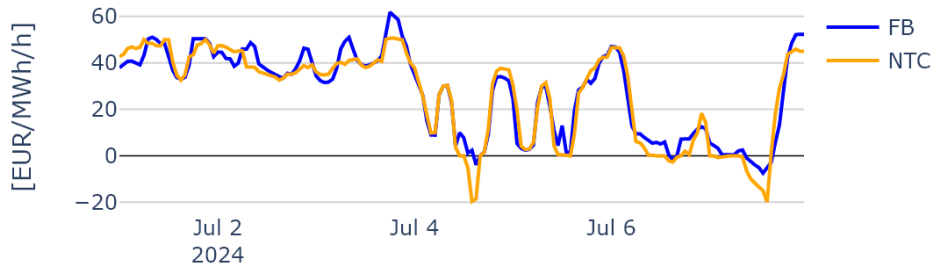




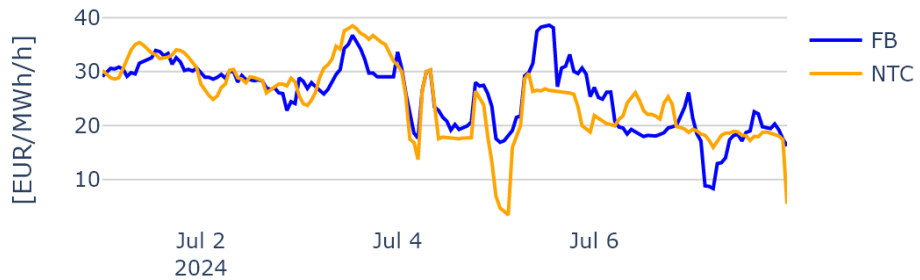
NO1 price



NO2 price

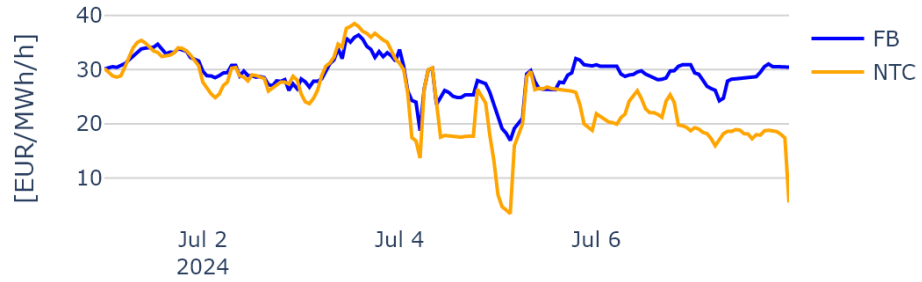


NO3 price

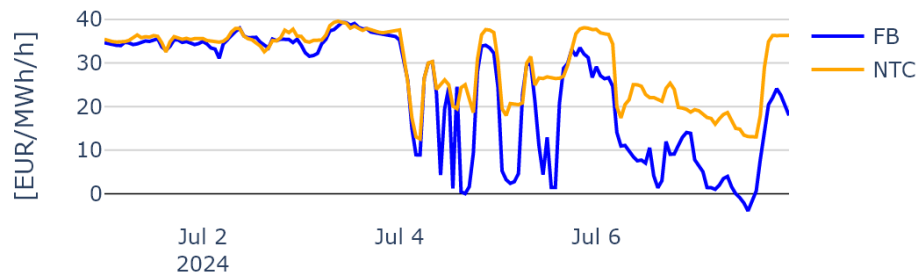




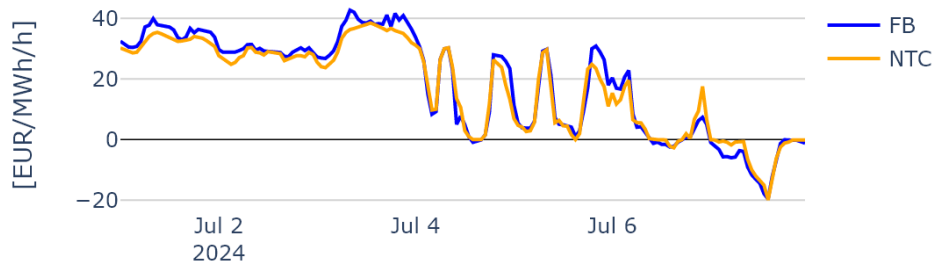
NO4 price



NO5 price

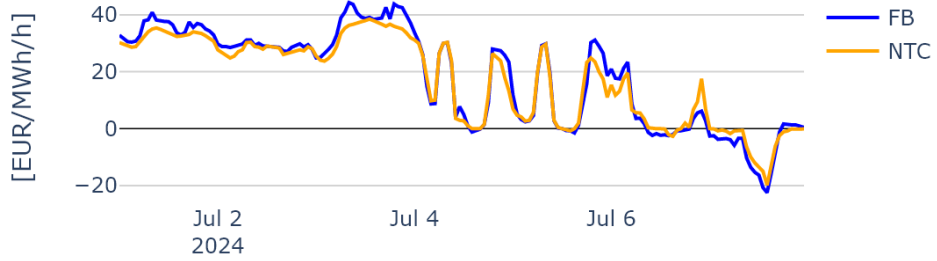


SE1 price

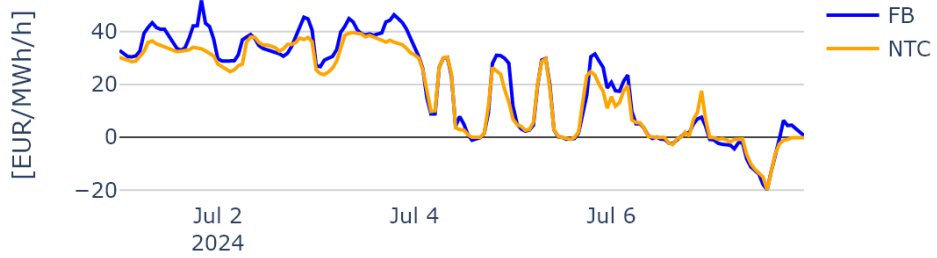




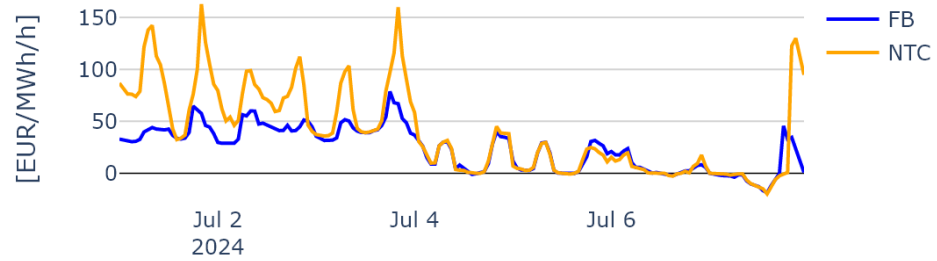
SE2 price



SE3 price



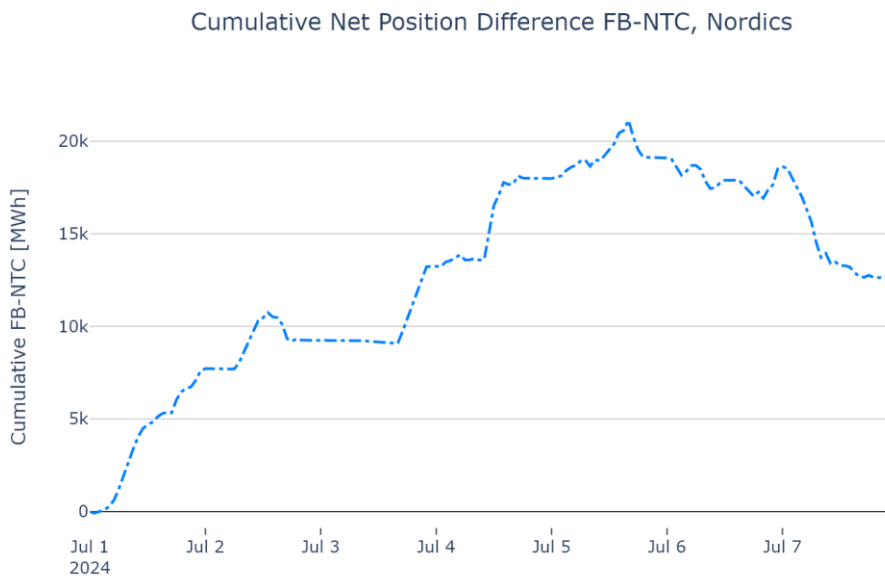
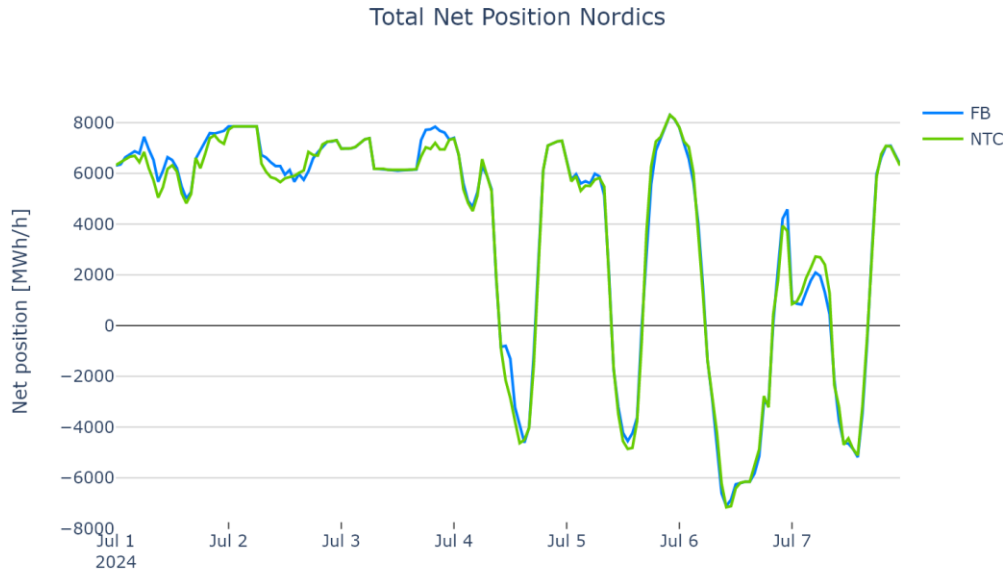
SE4 price





Net positions

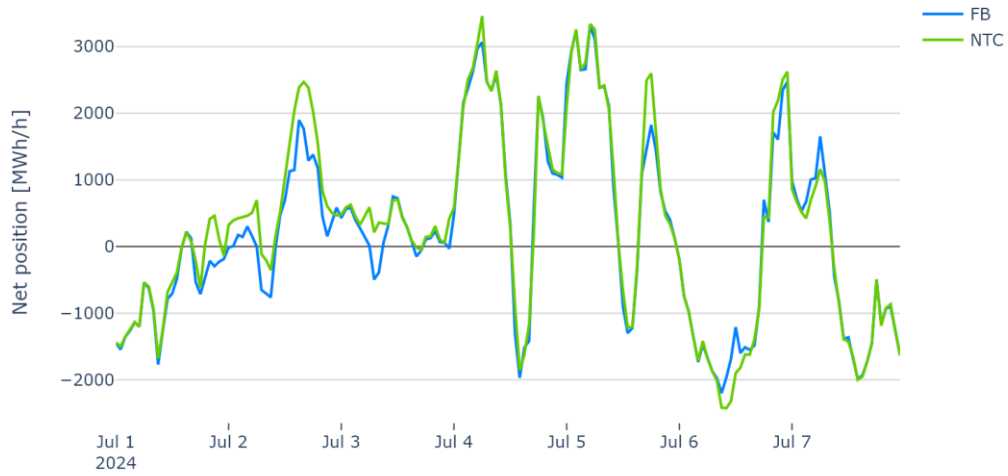
Nordics





Denmark

Total Net Position DK

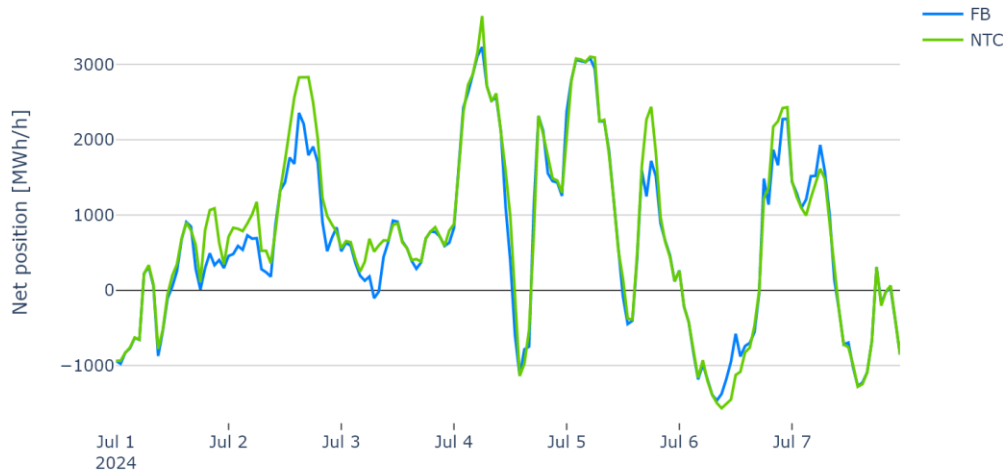


Cumulative Net Position Difference FB-NTC, DK



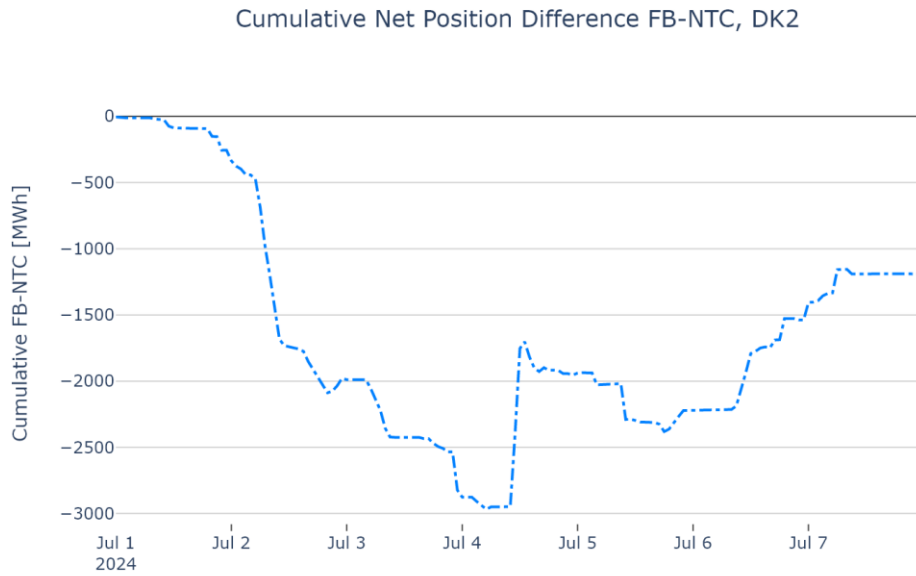
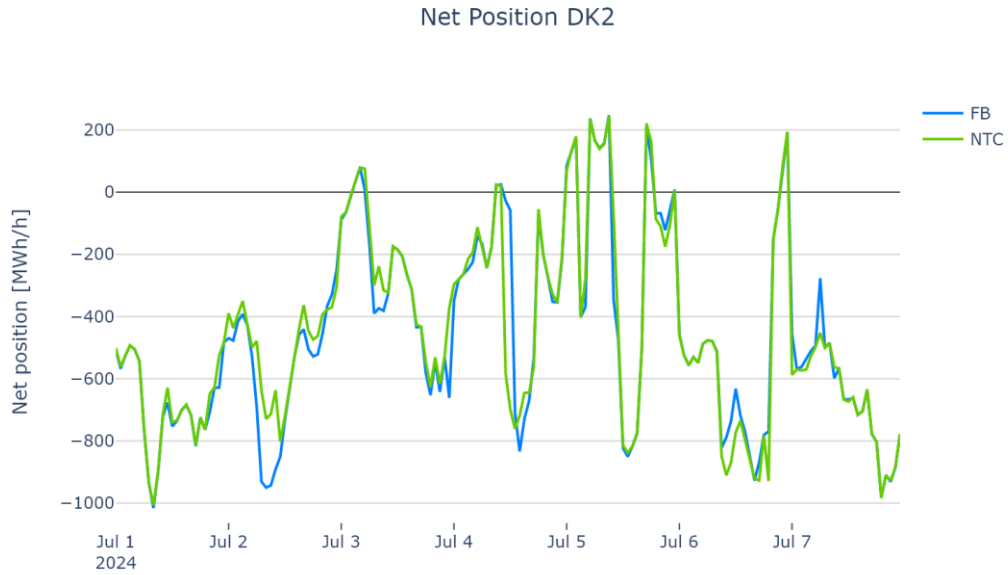


Net Position DK1



Cumulative Net Position Difference FB-NTC, DK1

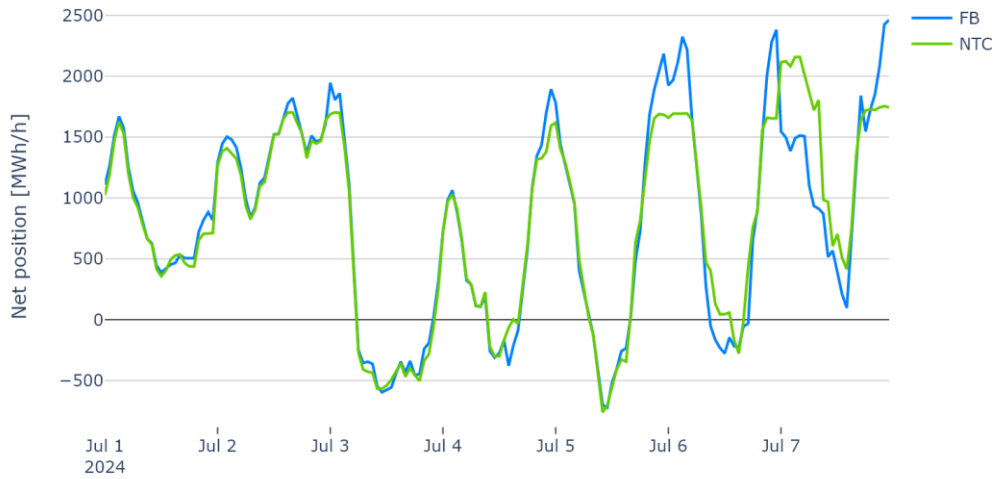






Finland

Total Net Position FI



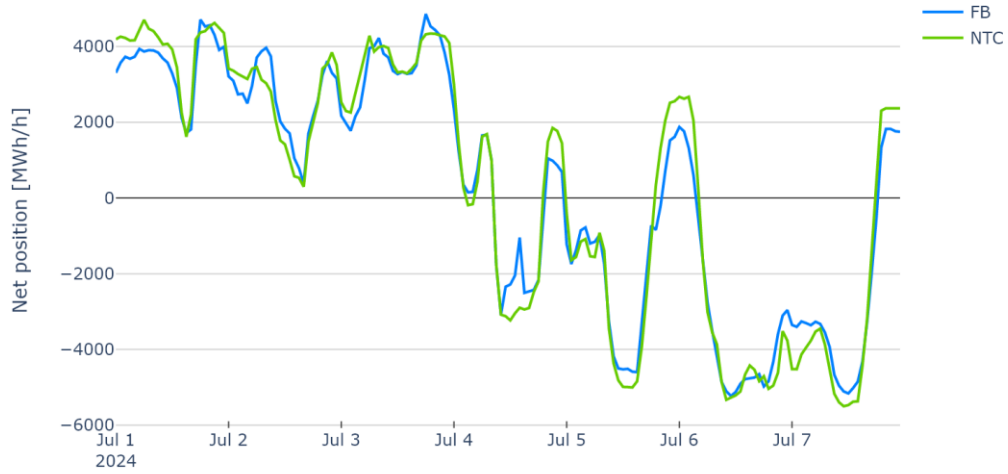
Cumulative Net Position Difference FB-NTC, FI



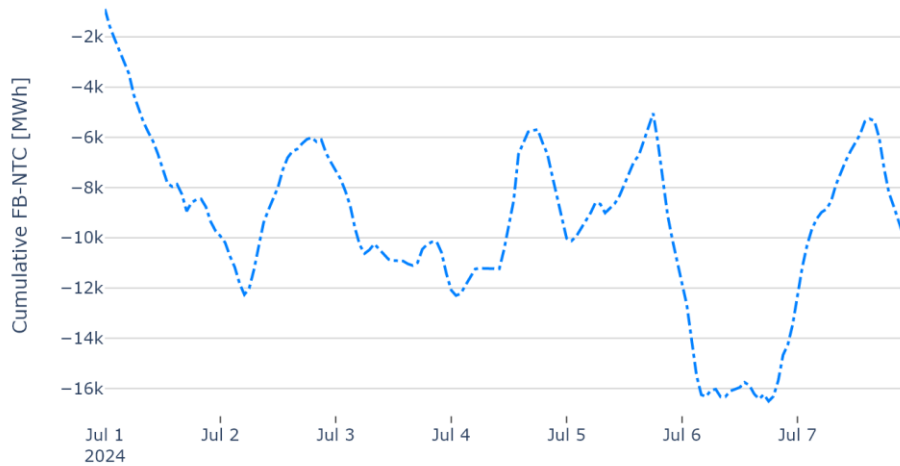


Norway

Total Net Position NO

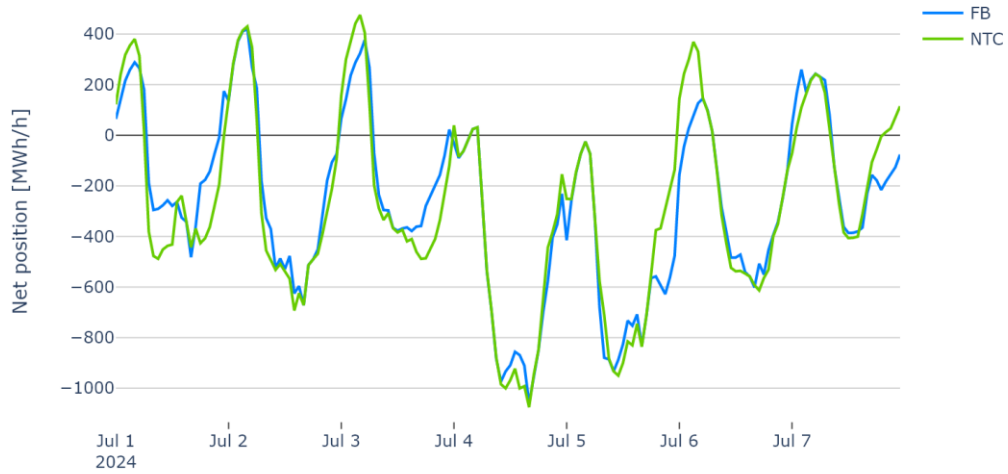


Cumulative Net Position Difference FB-NTC, NO





Net Position NO1

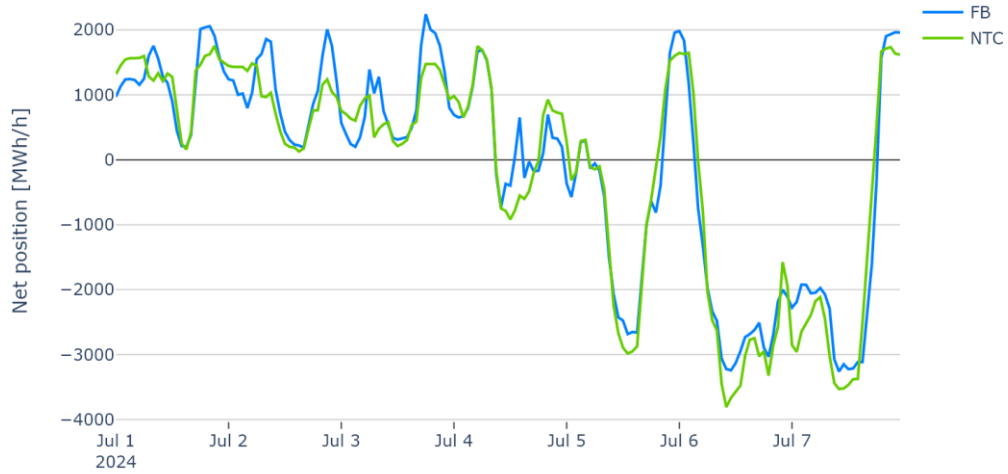


Cumulative Net Position Difference FB-NTC, NO1





Net Position NO2

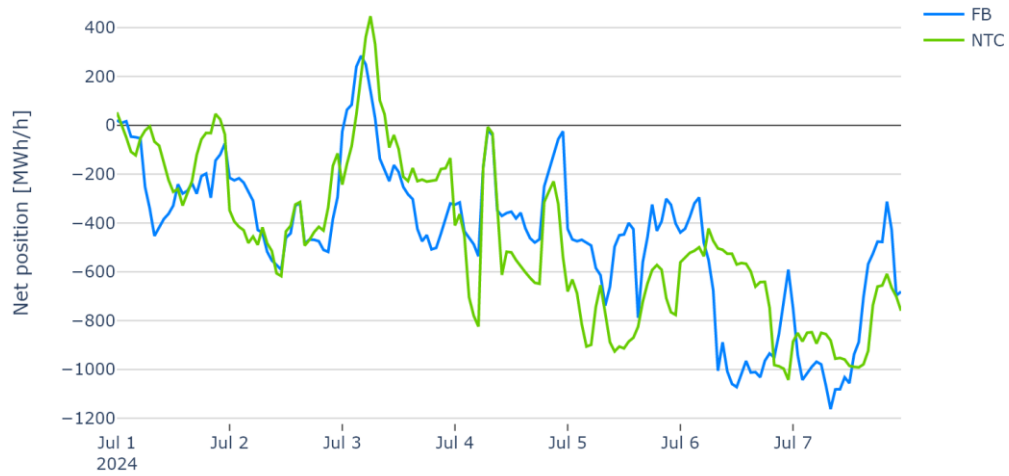


Cumulative Net Position Difference FB-NTC, NO2

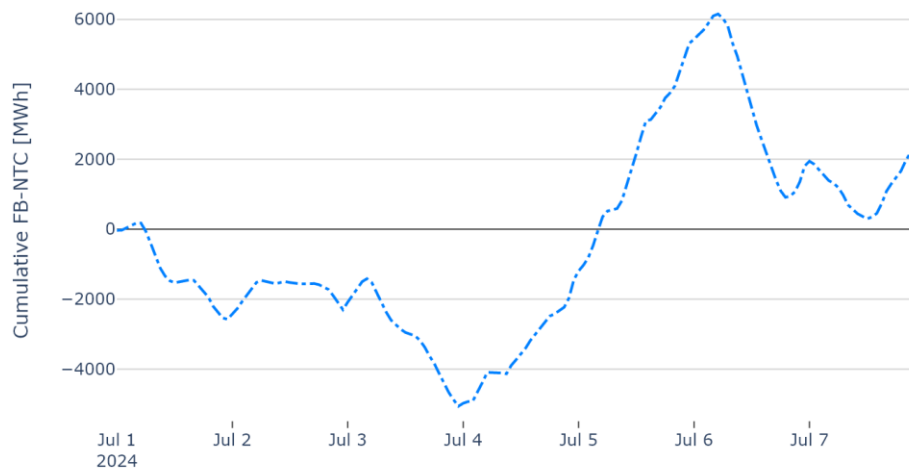




Net Position NO3

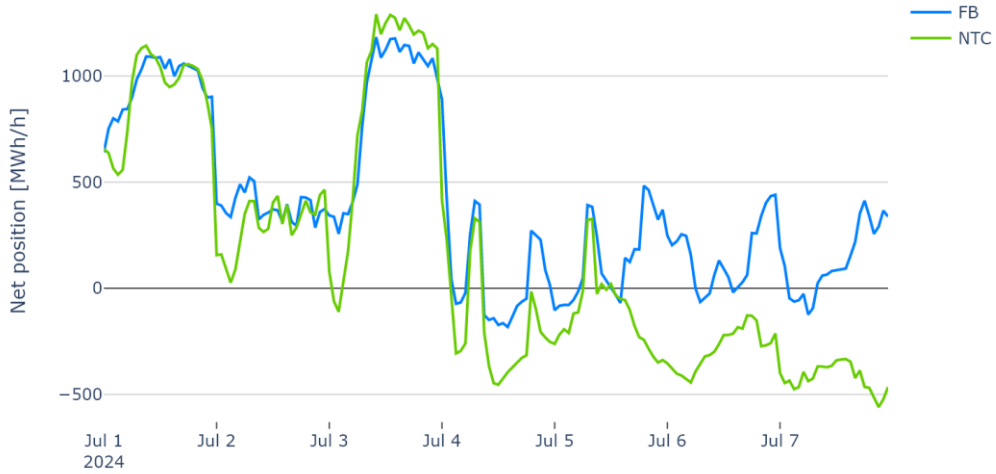


Cumulative Net Position Difference FB-NTC, NO3





Net Position NO4

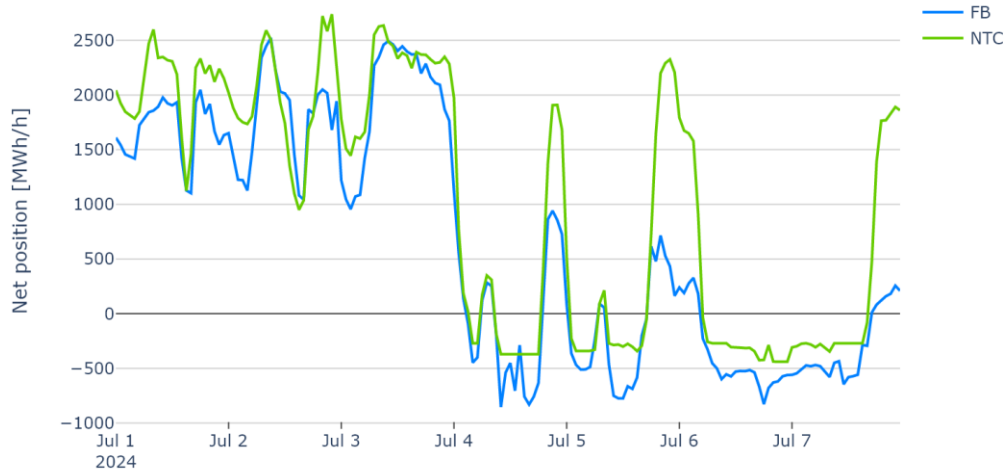


Cumulative Net Position Difference FB-NTC, NO4

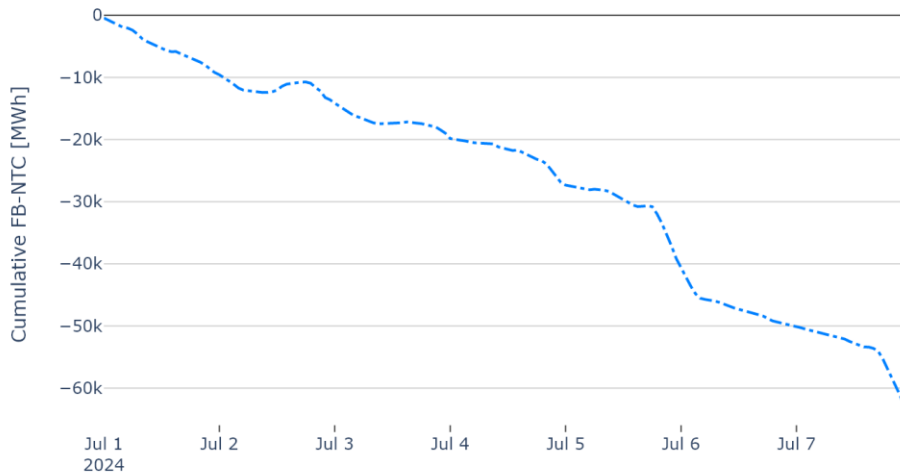




Net Position NO5



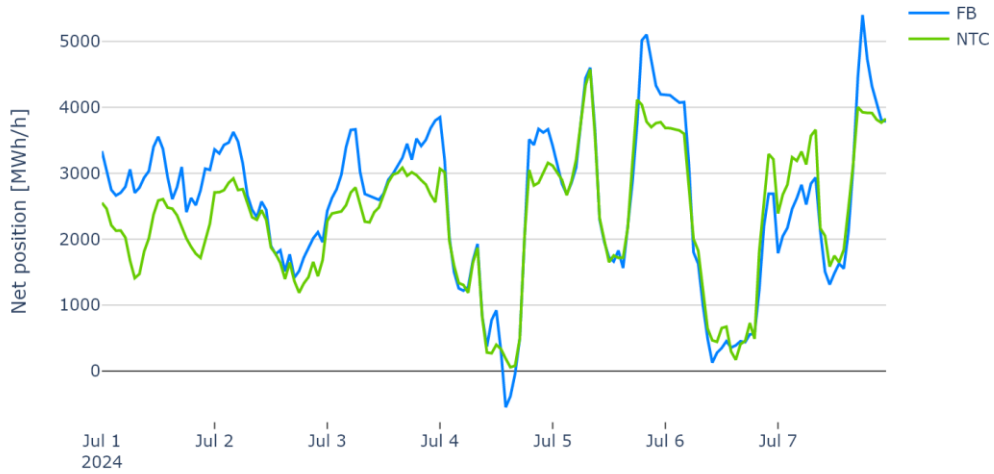
Cumulative Net Position Difference FB-NTC, NO5



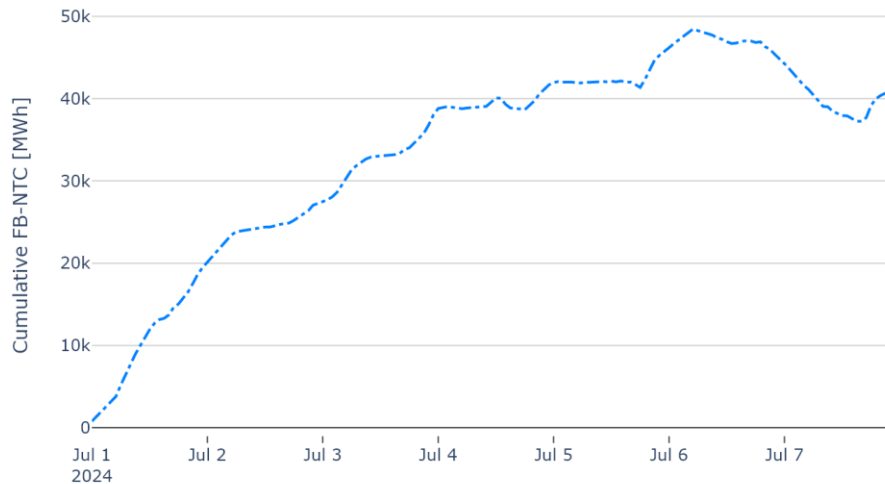


Sweden

Total Net Position SE

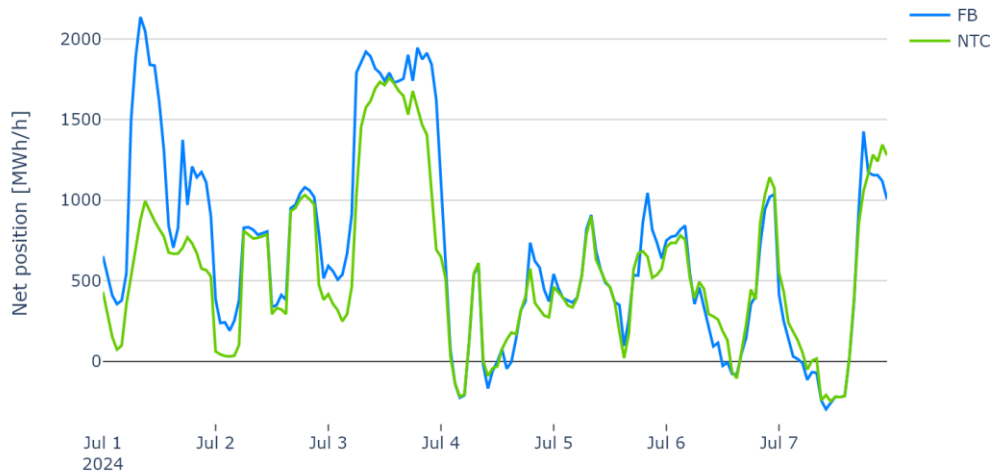


Cumulative Net Position Difference FB-NTC, SE





Net Position SE1

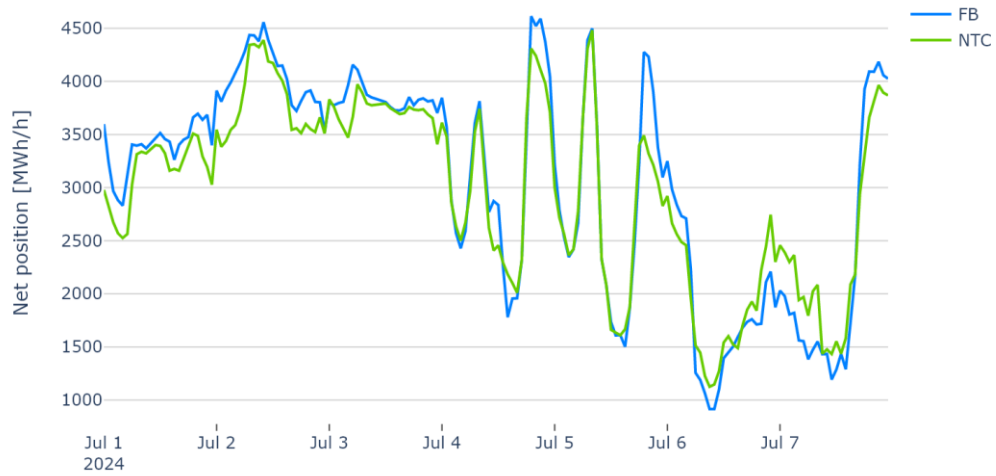


Cumulative Net Position Difference FB-NTC, SE1





Net Position SE2

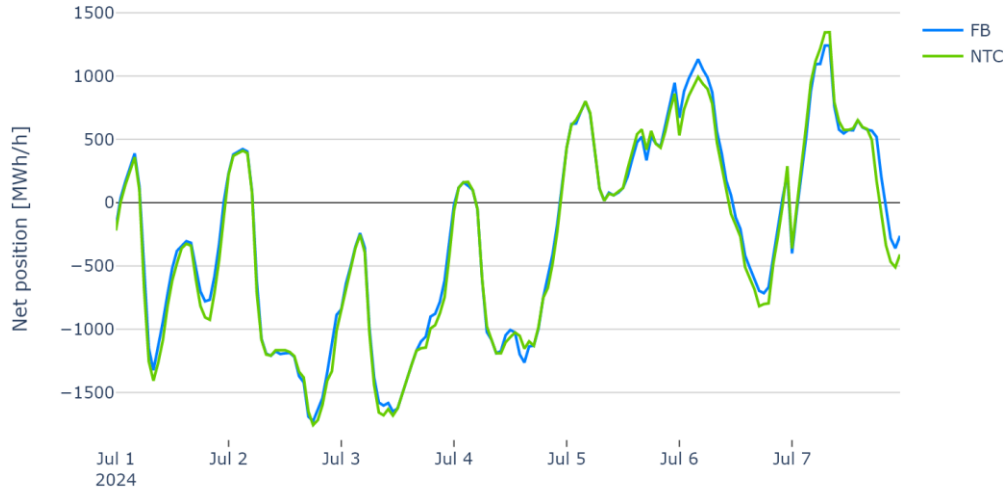


Cumulative Net Position Difference FB-NTC, SE2

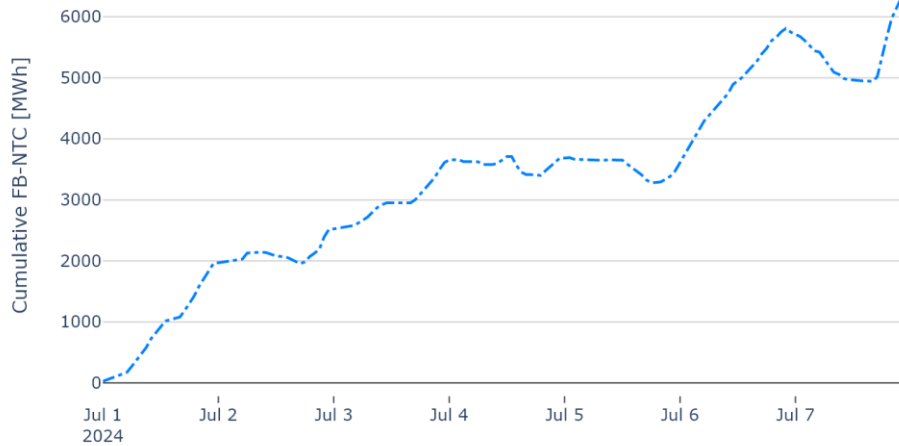




Net Position SE3

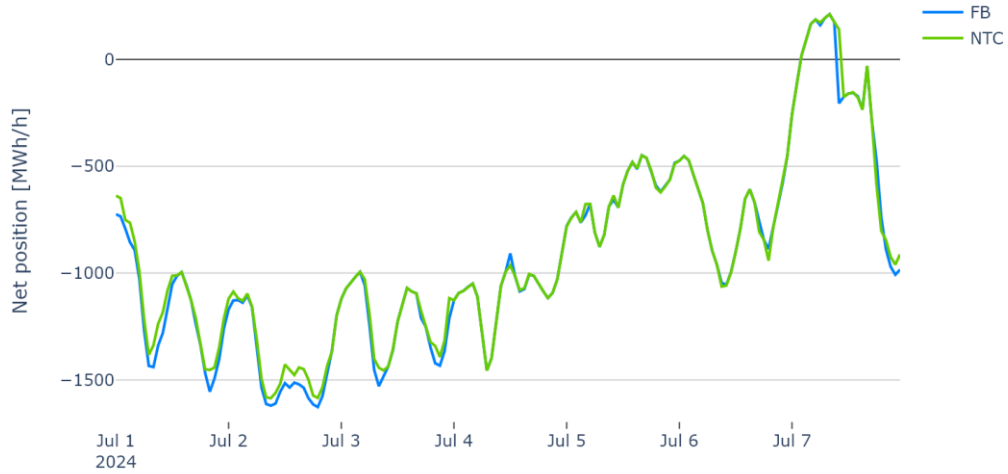


Cumulative Net Position Difference FB-NTC, SE3

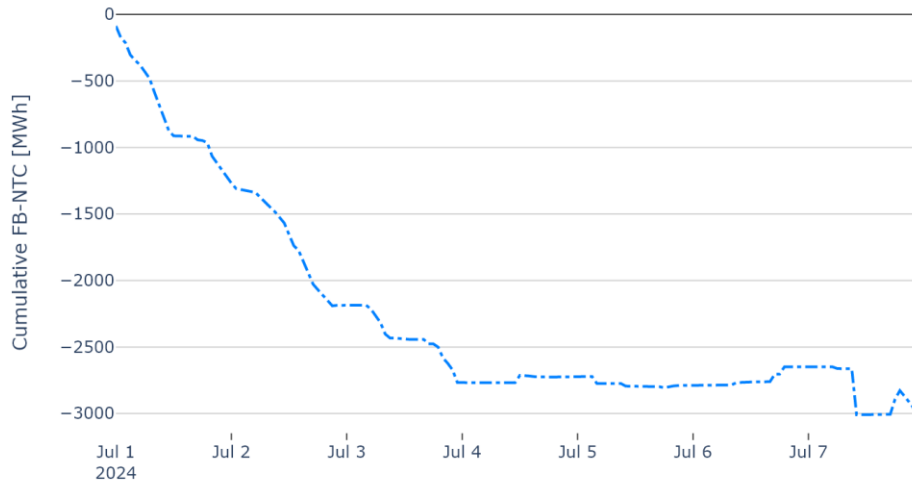




Net Position SE4



Cumulative Net Position Difference FB-NTC, SE4

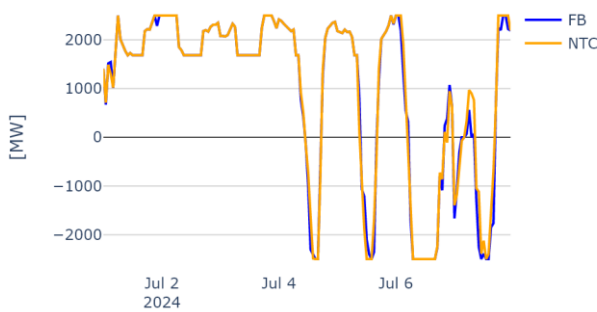




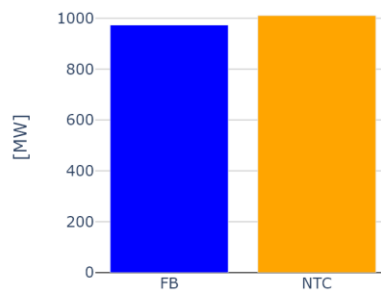
Border flow

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.

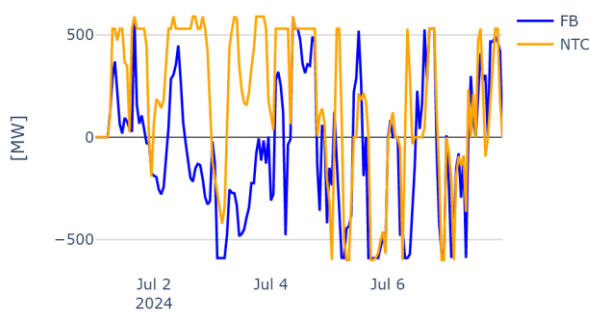
DK1 > DE/LU Physical Flow



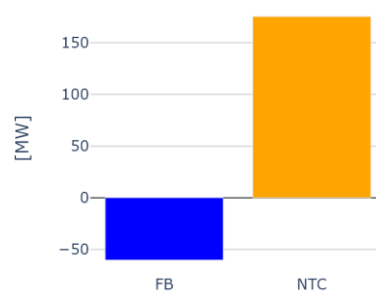
DK1 > DE/LU Average flow on border



DK1 > DK2 Physical Flow

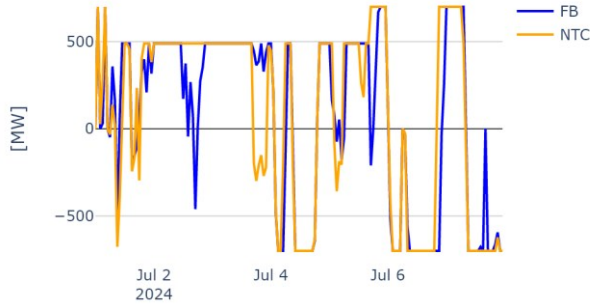


DK1 > DK2 Average flow on border

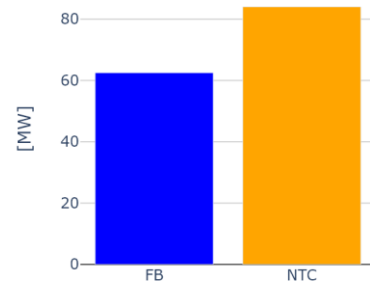




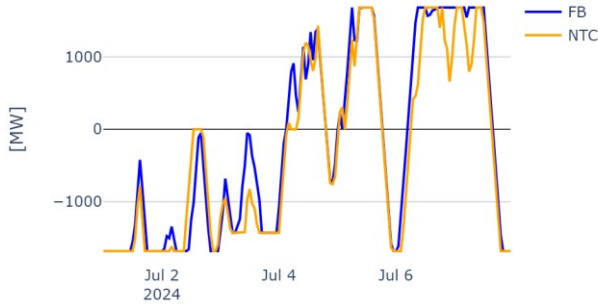
DK1 > NL Physical Flow



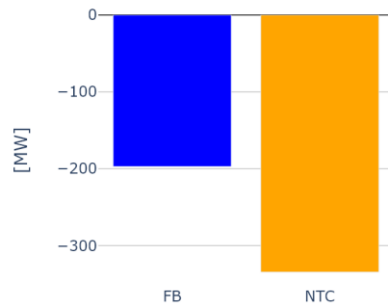
DK1 > NL Average flow on border



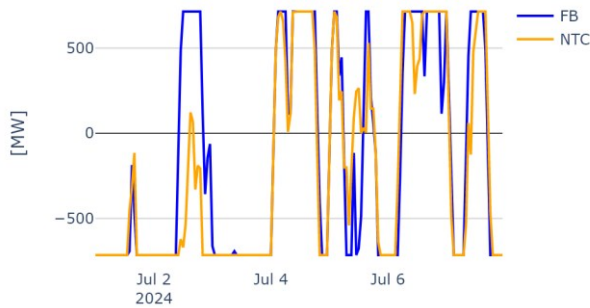
DK1 > NO2 Physical Flow



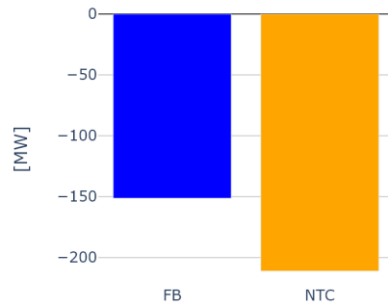
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DK1 > SE3 Physical Flow

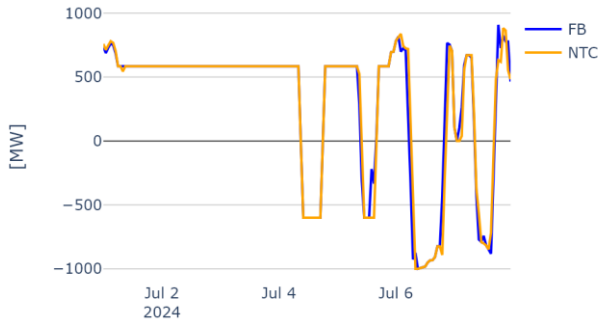


DK1 > SE3 Average flow on border





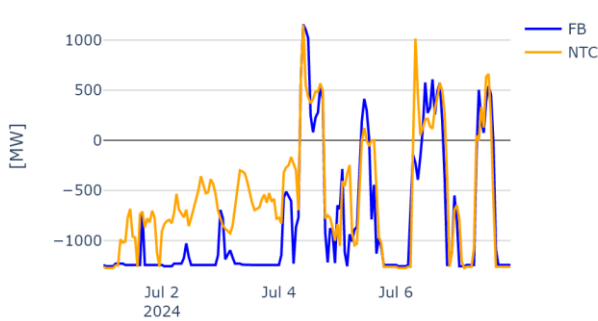
DK2 > DE/LU Physical Flow



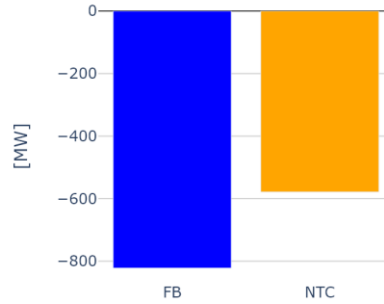
DK2 > DE/LU Average flow on border



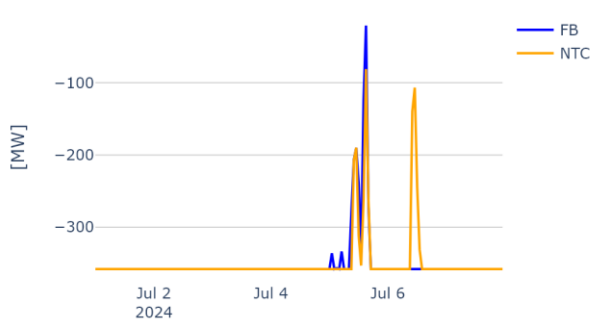
DK2 > SE4 Physical Flow



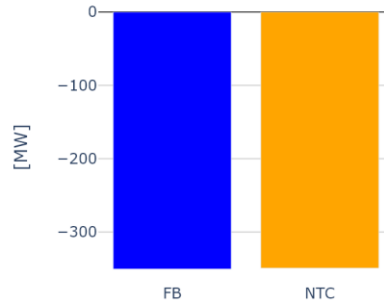
DK2 > SE4 Average flow on border



EE > FI Physical Flow

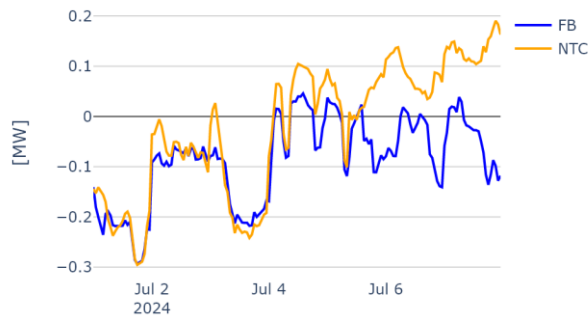


EE > FI Average flow on border

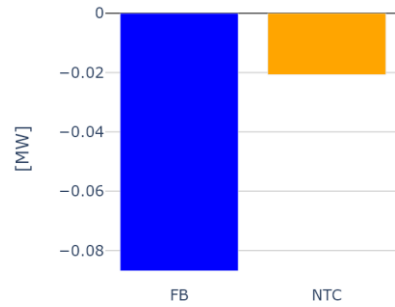




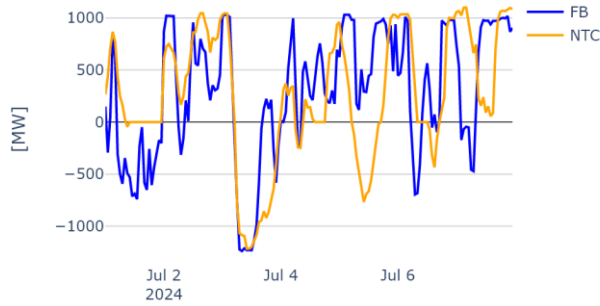
FI > NO4 Physical Flow



FI > NO4 Average flow on border



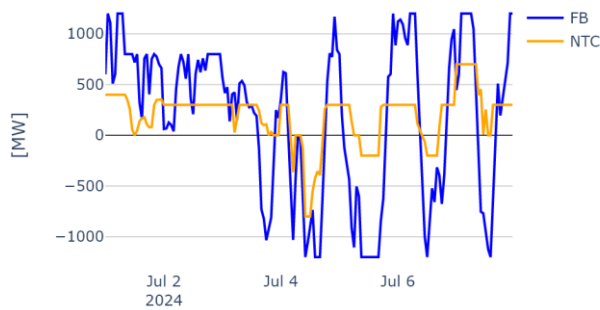
FI > SE1 Physical Flow



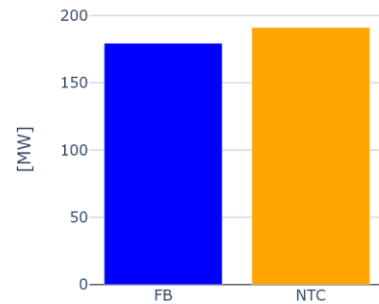
FI > SE1 Average flow on border



FI > SE3 Physical Flow

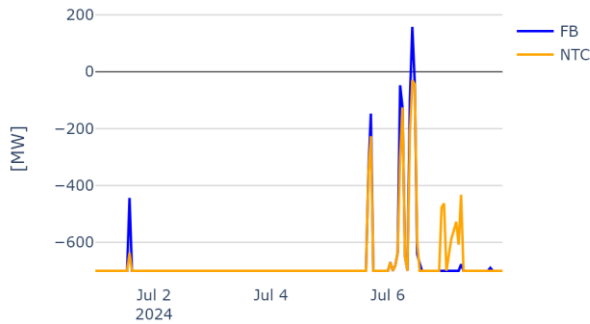


FI > SE3 Average flow on border

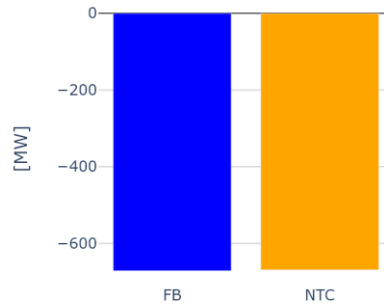




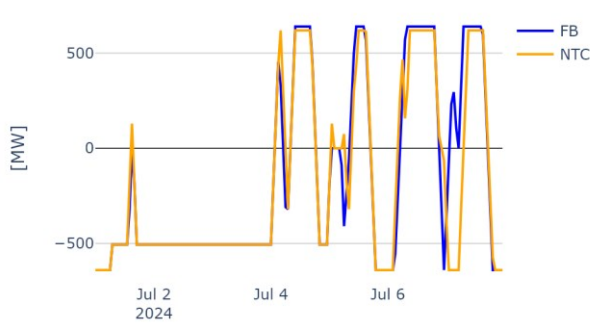
LT > SE4 Physical Flow



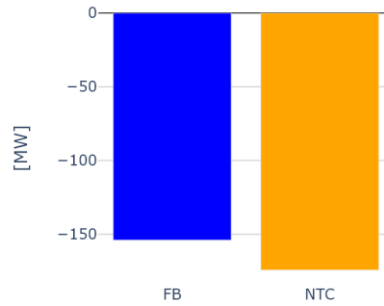
LT > SE4 Average flow on border



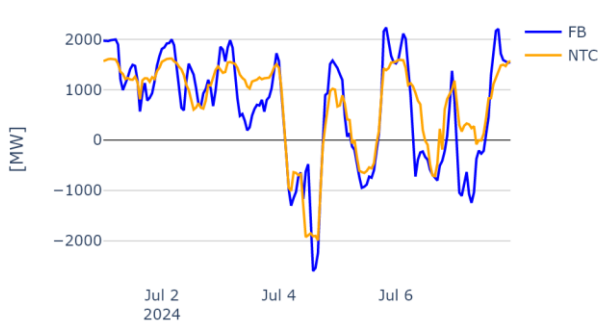
NL > NO2 Physical Flow



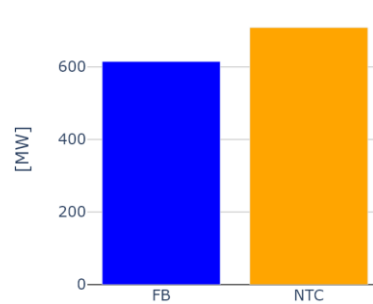
NL > NO2 Average flow on border



NO1 > NO2 Physical Flow

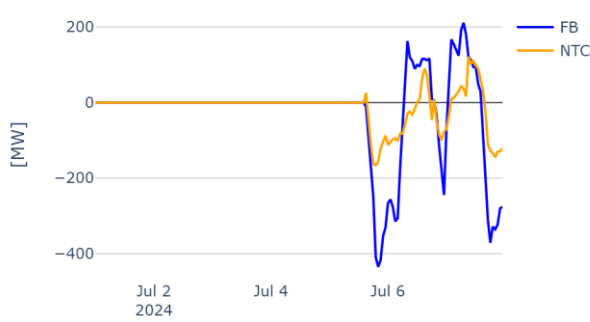


NO1 > NO2 Average flow on border

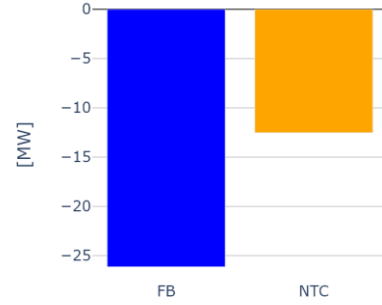




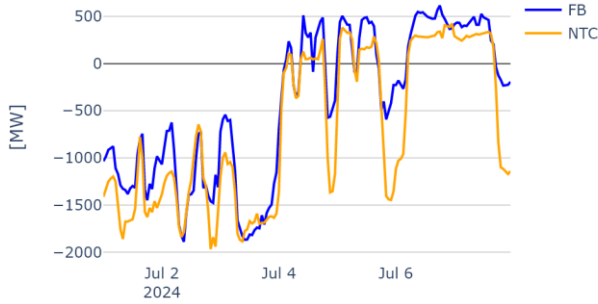
NO1 > NO3 Physical Flow



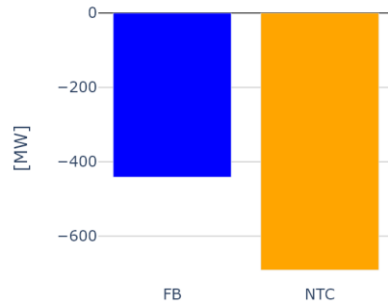
NO1 > NO3 Average flow on border



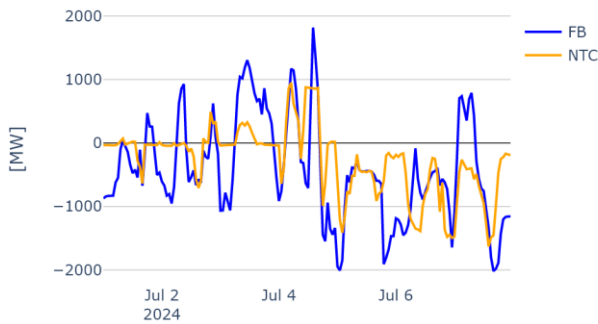
NO1 > NO5 Physical Flow



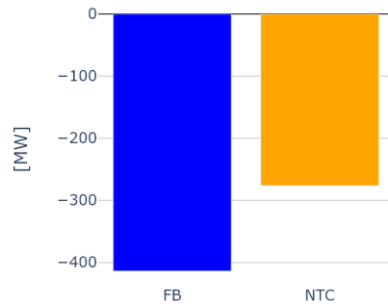
NO1 > NO5 Average flow on border



NO1 > SE3 Physical Flow

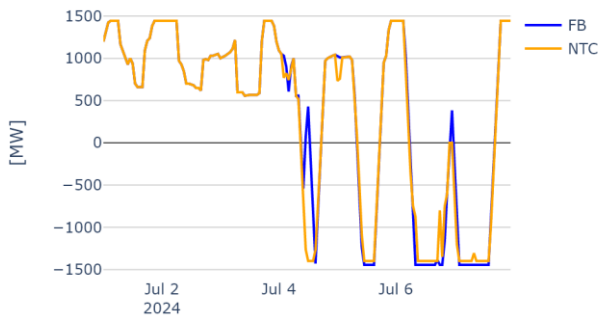


NO1 > SE3 Average flow on border





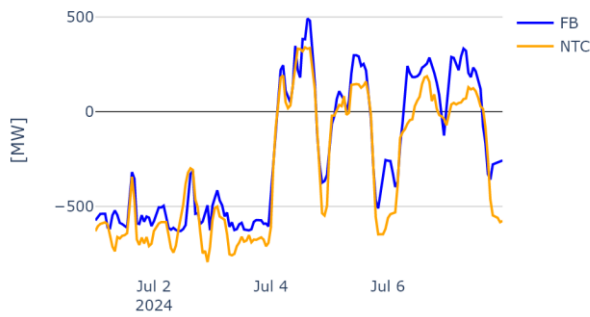
NO2 > DE/LU Physical Flow



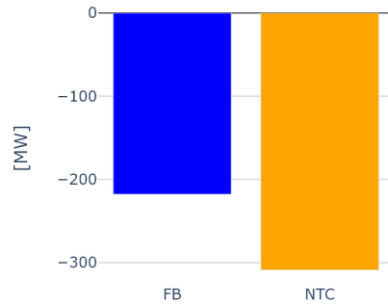
NO2 > DE/LU Average flow on border



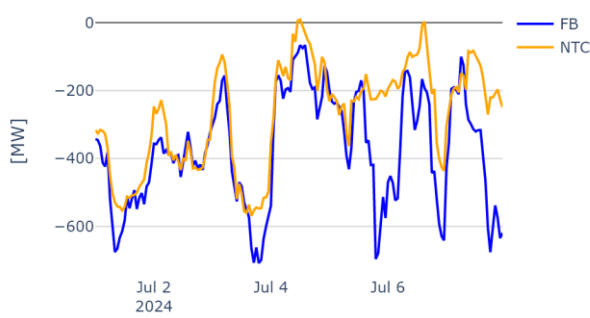
NO2 > NO5 Physical Flow



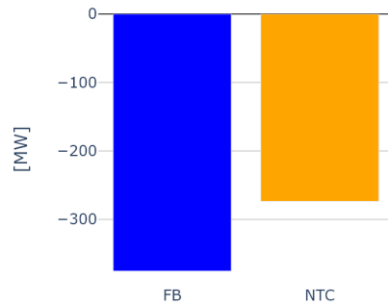
NO2 > NO5 Average flow on border



NO3 > NO4 Physical Flow

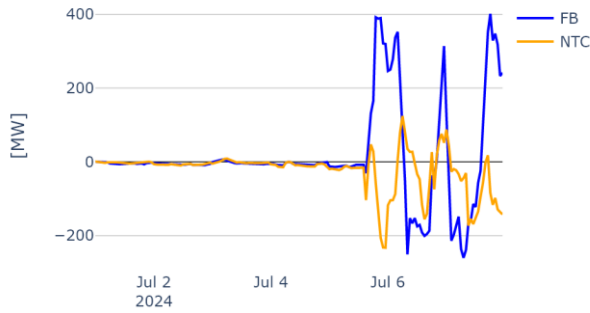


NO3 > NO4 Average flow on border

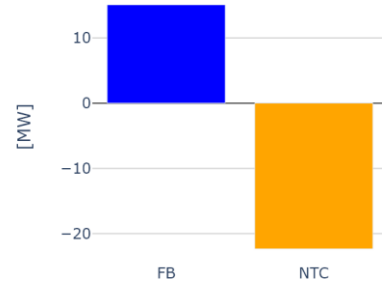




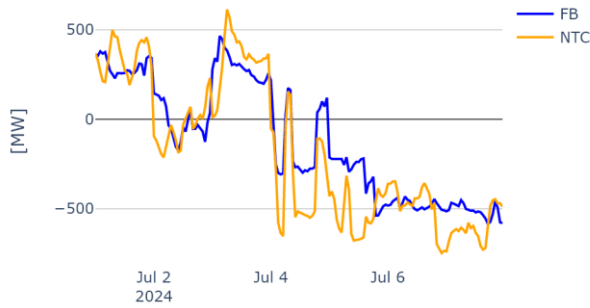
NO3 > NO5 Physical Flow



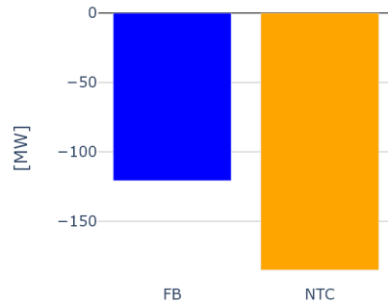
NO3 > NO5 Average flow on border



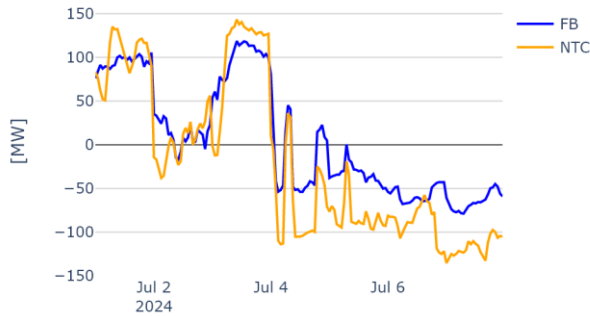
NO3 > SE2 Physical Flow



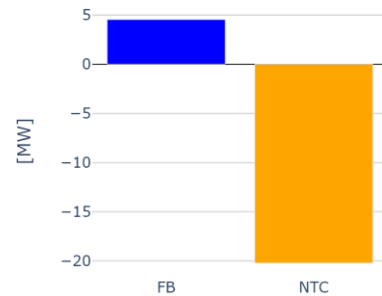
NO3 > SE2 Average flow on border



NO4 > SE2 Physical Flow

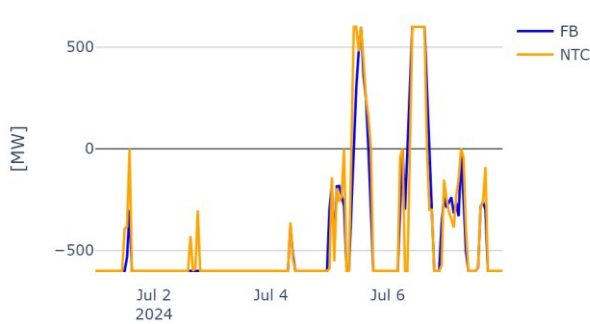


NO4 > SE2 Average flow on border

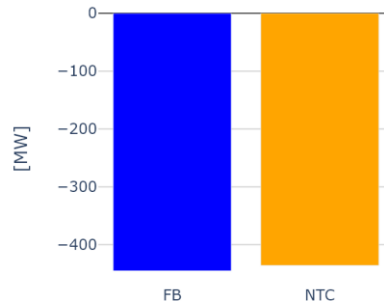




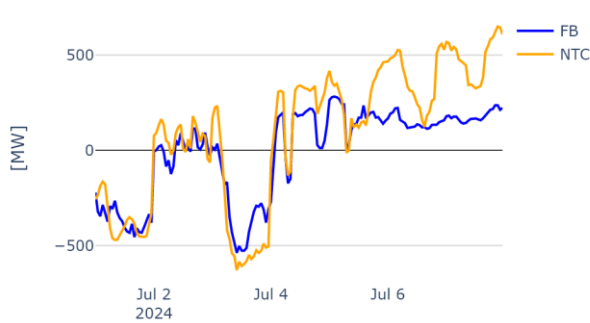
PL > SE4 Physical Flow



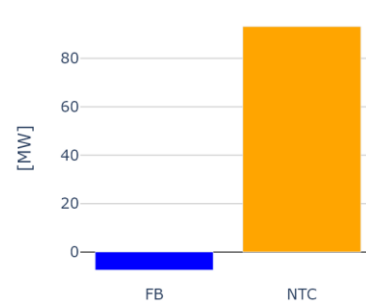
PL > SE4 Average flow on border



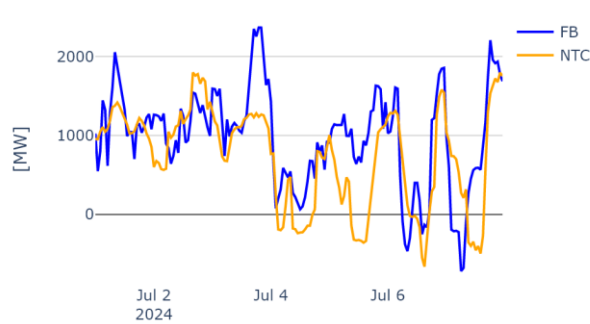
SE1 > NO4 Physical Flow



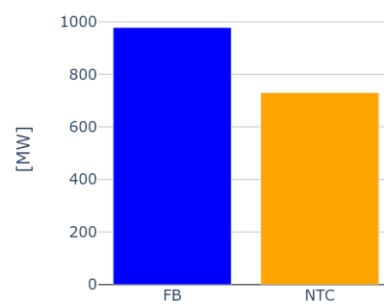
SE1 > NO4 Average flow on border



SE1 > SE2 Physical Flow

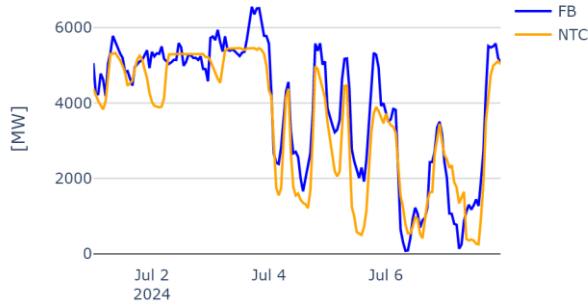


SE1 > SE2 Average flow on border

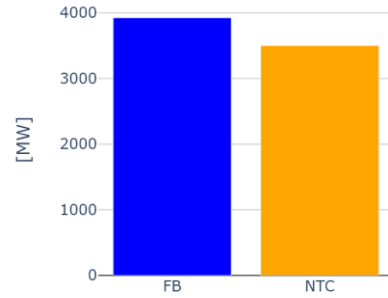




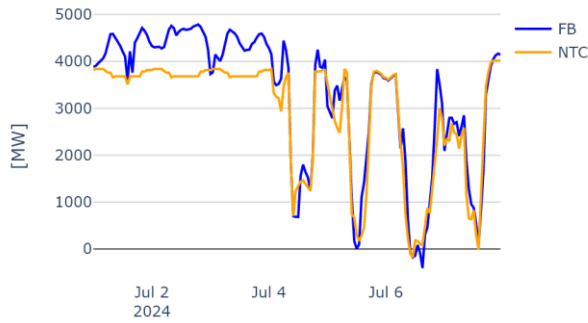
SE2 > SE3 Physical Flow



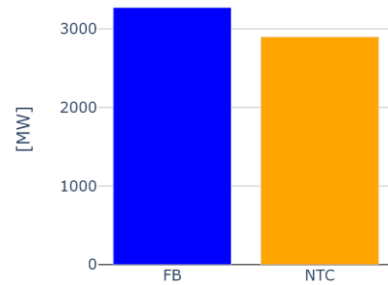
SE2 > SE3 Average flow on border



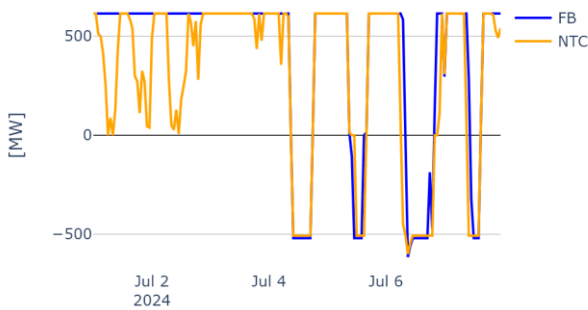
SE3 > SE4 Physical Flow



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	6730535	19
DK1 > DK2	-99178	-2
DK1 > NL	1833686	21
DK1 > NO2	3016118	12
DK1 > SE3	2052633	17
DK2 > DE/LU	1574891	15
DK2 > SE4	3237406	15
EE > FI	4642469	77
FI > NO4	-26	-2
FI > SE1	51426	0
FI > SE3	224137	2
LT > SE4	8423694	72
NL > NO2	2973129	34
NO1 > NO2	910777	4
NO1 > NO3	8139	1
NO1 > NO5	384421	1
NO1 > SE3	425456	3
NO2 > DE/LU	5411695	30
NO2 > NO5	399645	5
NO3 > NO4	-220499	-3
NO3 > NO5	38432	2
NO3 > SE2	711489	11
NO4 > SE2	132449	13
PL > SE4	7003516	77
SE1 > NO4	399575	13
SE1 > SE2	-4498	0
SE2 > SE3	1433332	2
SE3 > SE4	2626247	4
SE4 > DE/LU	3008309	31



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	17	-158283	-21
DK1 > NL	5	-48672	-21
DK1 > NO2	13	-205083	-12
DK1 > SE3	23	-30074	-2
DK2 > DE/LU	5	-367	0
DK2 > SE4	14	-14424	-1
EE > FI	0	0	0
FI > NO4	32	-76	-24
FI > SE1	22	-2712	0
FI > SE3	18	-33555	-1
LT > SE4	13	-2790	0
NL > NO2	3	-4673	-7
NO1 > NO2	15	-9451	-1
NO1 > NO3	17	-32971	-7
NO1 > NO5	21	-41670	-3
NO1 > SE3	21	-62626	-3
NO2 > DE/LU	3	-10759	-7
NO2 > NO5	10	-2076	-1
NO3 > NO4	76	-239324	-5
NO3 > NO5	50	-22682	-6
NO3 > SE2	18	-5263	-1
NO4 > SE2	4	-375	-1
PL > SE4	2	-18413	-17
SE1 > NO4	10	-618	-1
SE1 > SE2	47	-78322	-1
SE2 > SE3	4	-2066	0
SE3 > SE4	5	-360	0
SE4 > DE/LU	2	-90	-1