Nordic Capacity Calculation Methodology Project (Nordic CCM)

Nordic CCM

External Parallel Run Market Report
Appendix for Week 23 of 2024

Appendix

Contents

Domain validation

| Energy Delivery Day:	Mon. 3.6	Tue. 4.6.	Wed. 5.6.	Thu. 6.6.	Fri. 7.6.	Sat. 8.6.	Sun. 9.6.
Invalid/missing IGMs	0	0	0	0	0	0	0
Substituted IGMs	0	0	0	0	0	0	0
Invalid CGMs	0	0	0	0	0	0	0
FB domain back-up	0	0	0	0	0	0	0
FAV provision	0	0	0	0	0	0	0
Final domain acceptance (1 TSO =25%)	100%	100%	100%	100%	100%	100%	100%

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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.
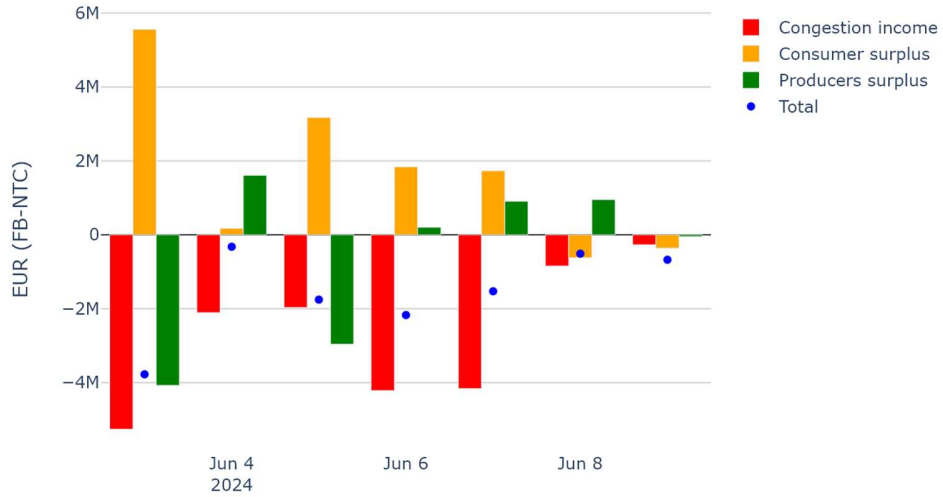
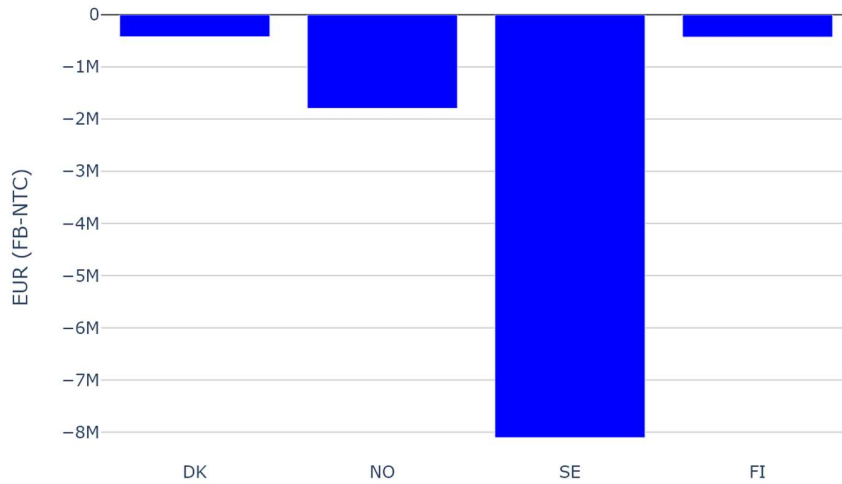## Nordics

Hourly Nordic socio-economic welfare gain, FB-NTC
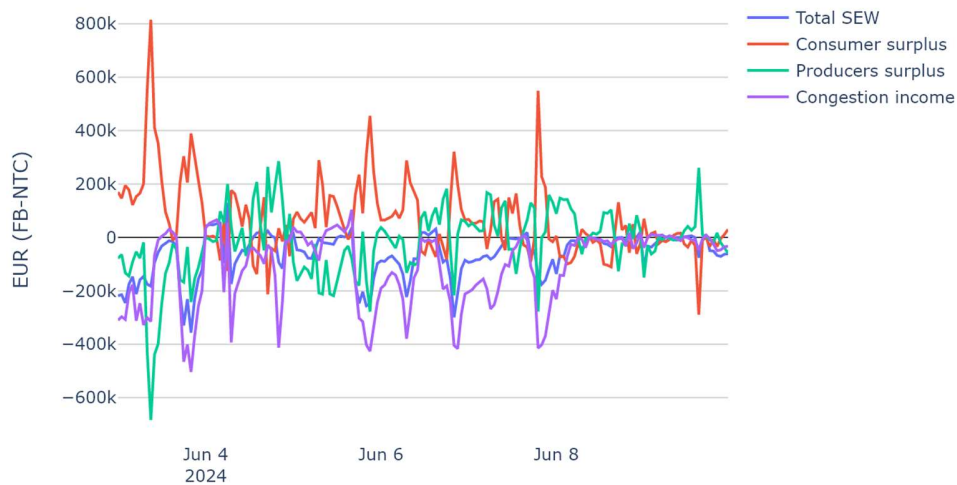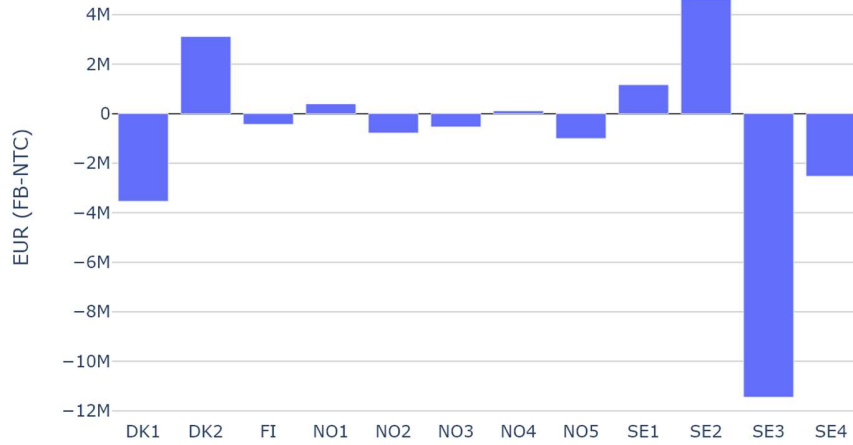
Nordics socio-economic welfare per stakeholder and day

Total Nordic socio-economic welfare per country

Socio economic welfaregain FB-NTC per BZ - Total_sew

Denmark

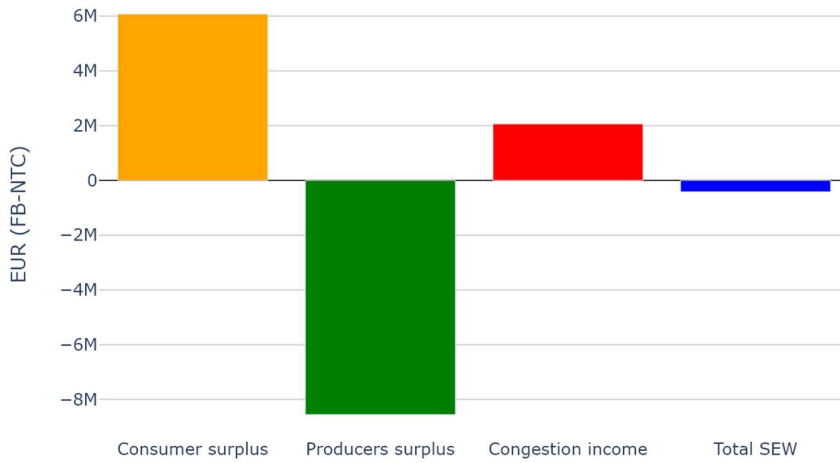### DK, socio-economic welfare per stakeholder and country
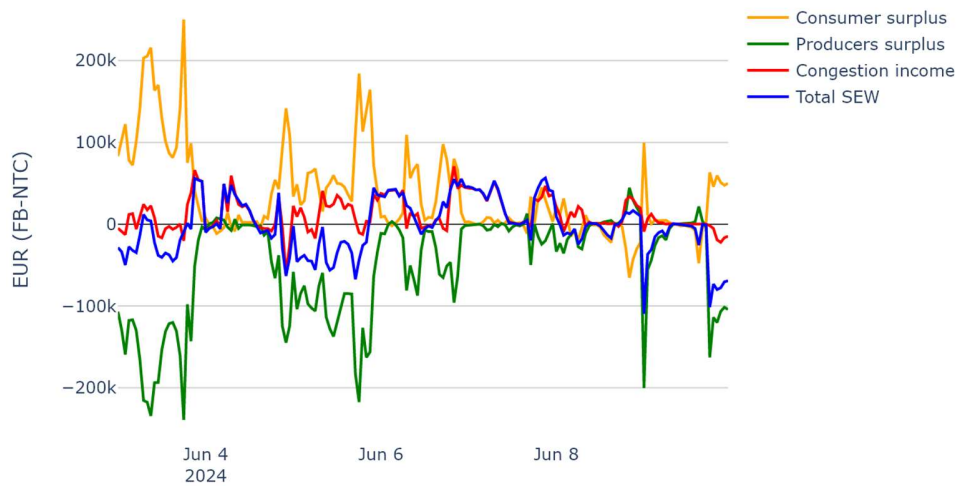
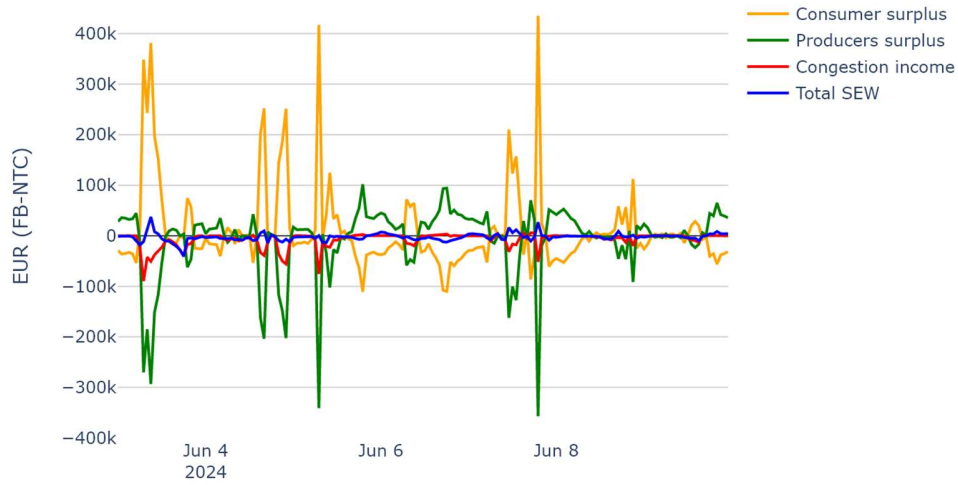### Total socio economic welfaregain FB-NTC per BZ in DK
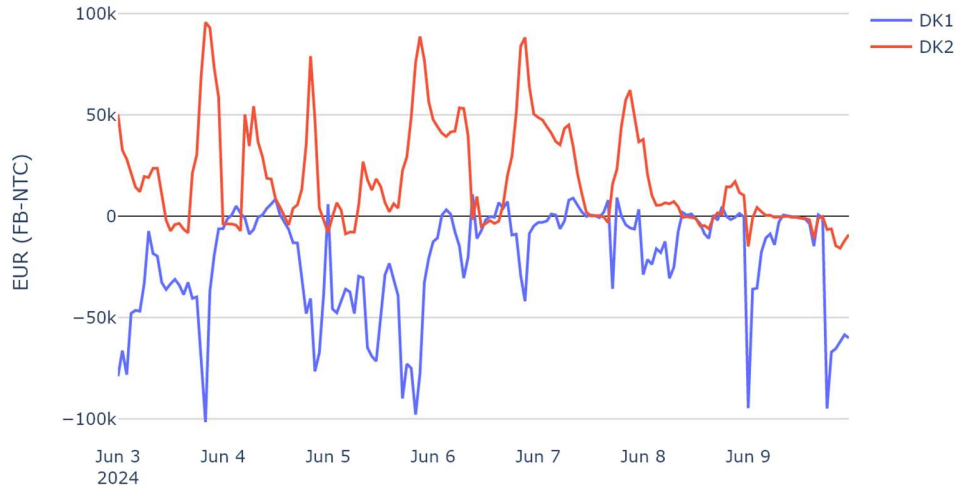
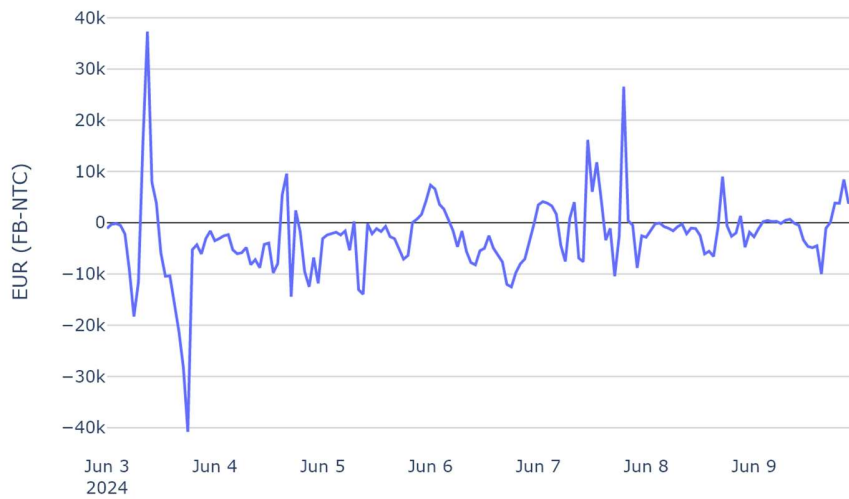### DK, socio-economic welfare per stakeholder and country

Finland

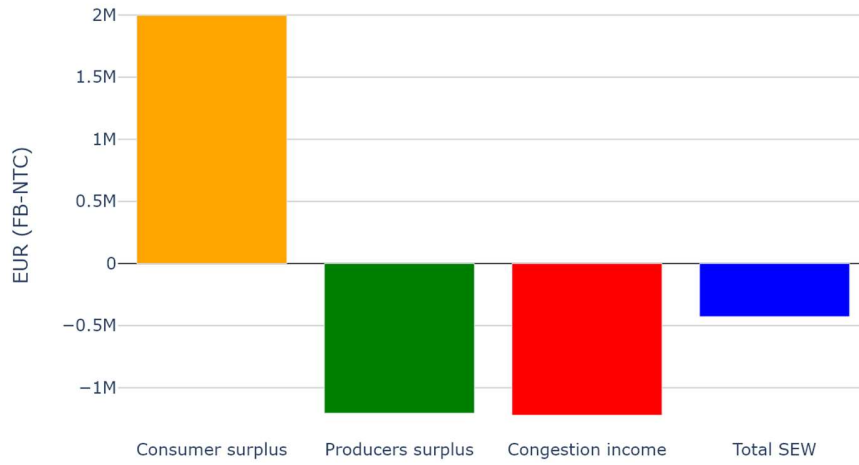FI, socio-economic welfare per stakeholder and country

Total socio economic welfaregain FB-NTC per BZ in FI

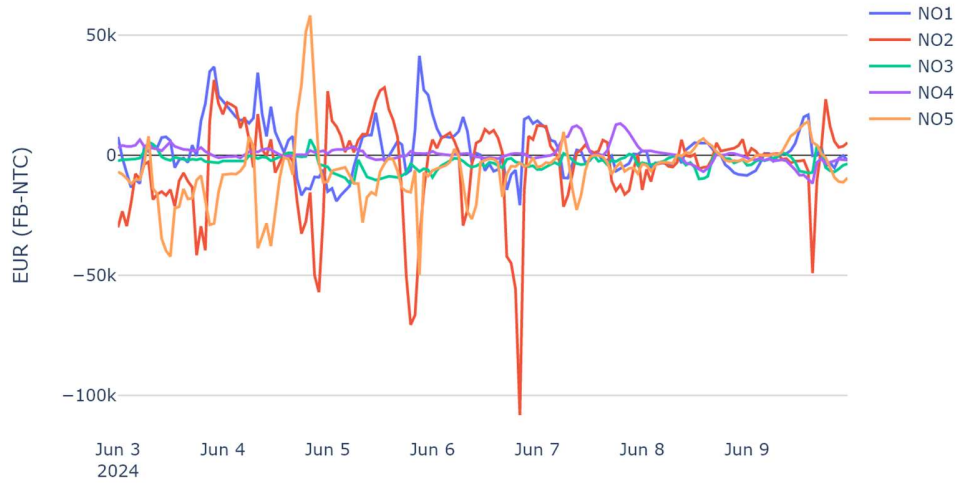FI, socio-economic welfare per stakeholder and country

Norway
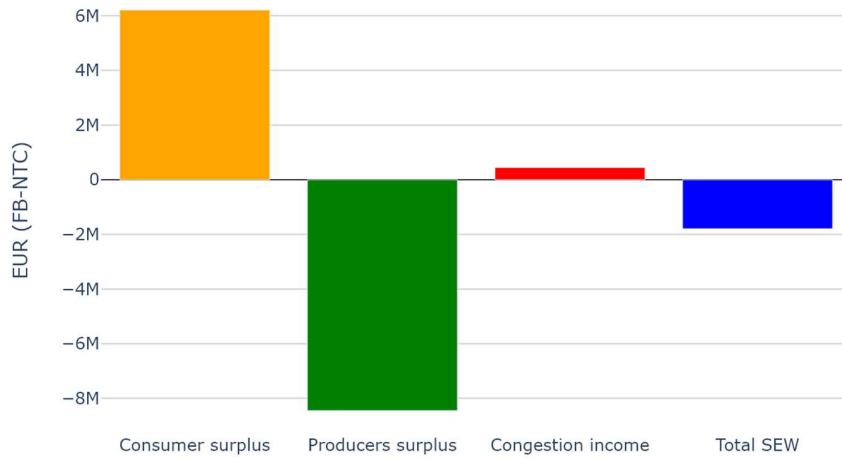
NO, socio-economic welfare per stakeholder and country
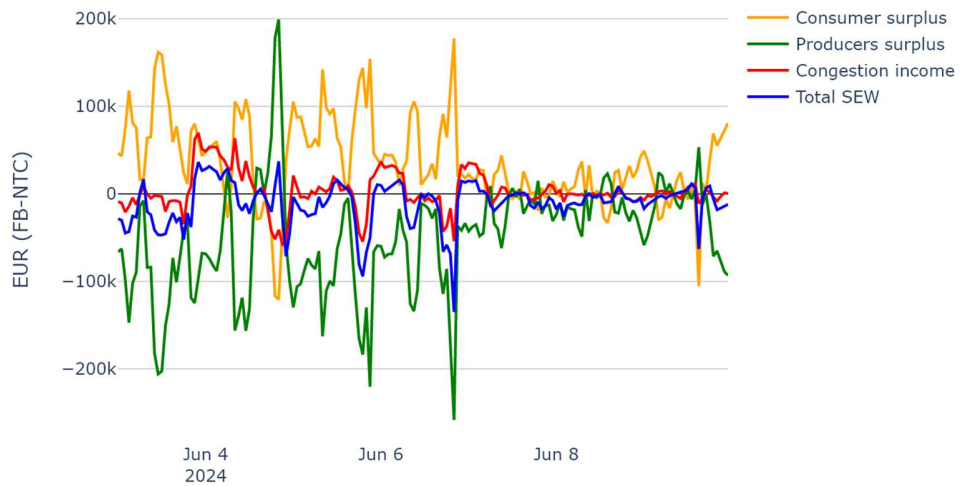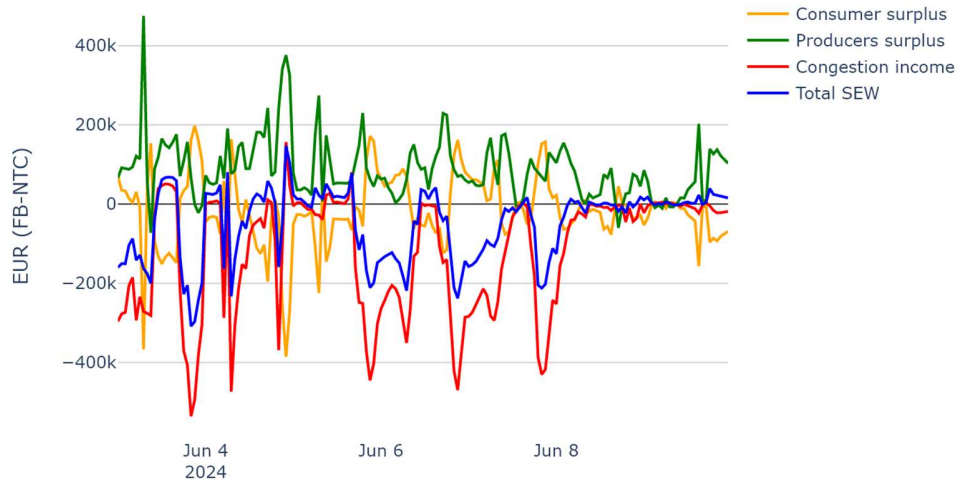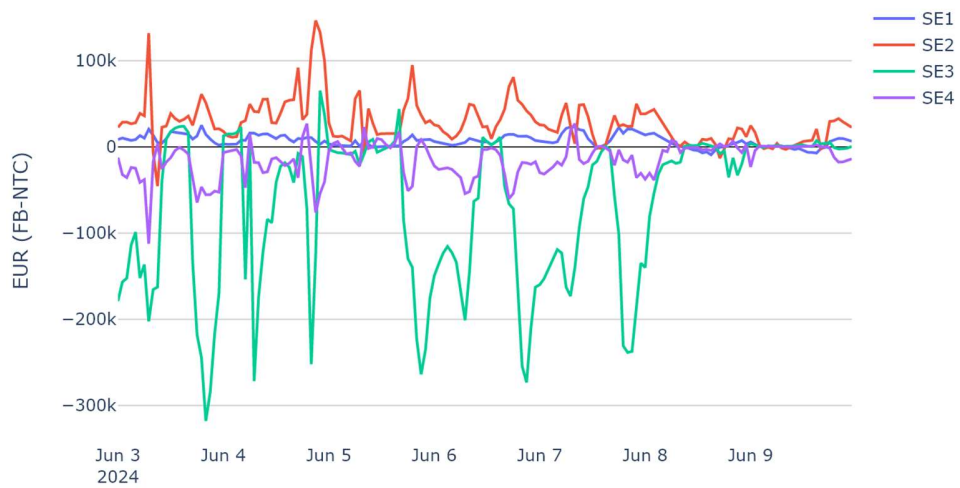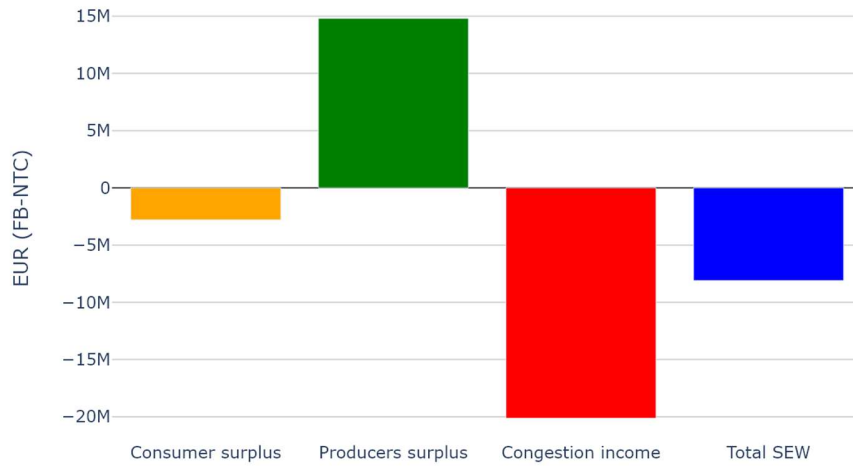
Total socio economic welfaregain FB-NTC per BZ in NO
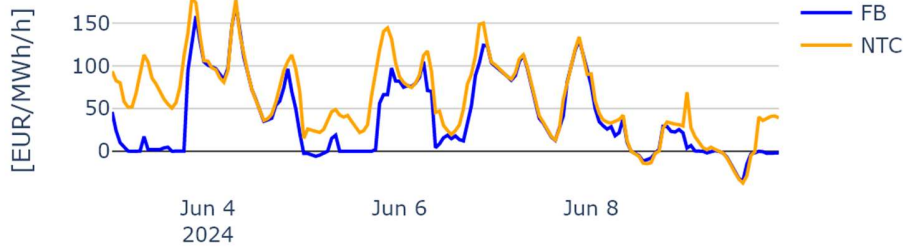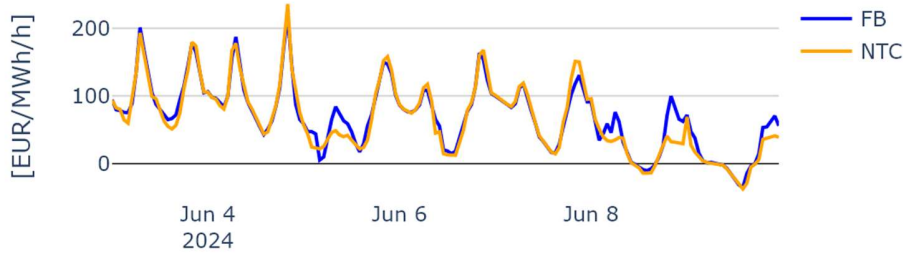

NO, socio-economic welfare per stakeholder and country

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Sweden

SE, socio-economic welfare per stakeholder and country

Total socio economic welfaregain FB-NTC per BZ in SE
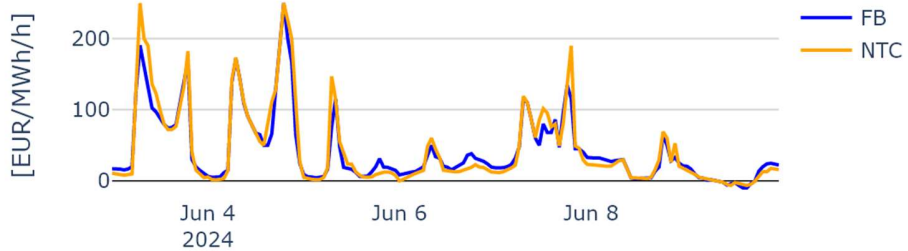
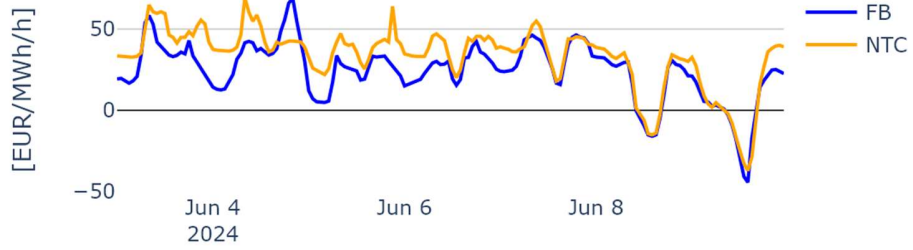SE, socio-economic welfare per stakeholder and country

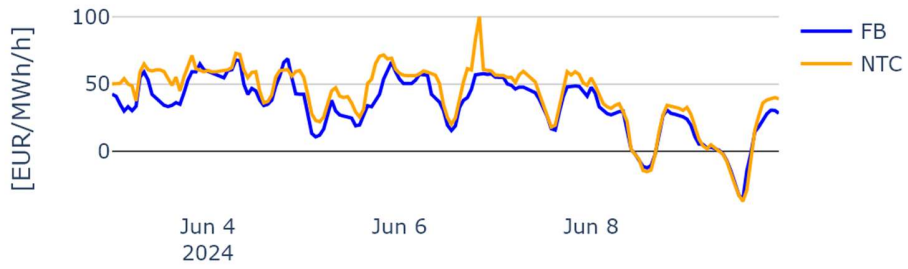## Prices

DK1 price

DK2 price

FI price
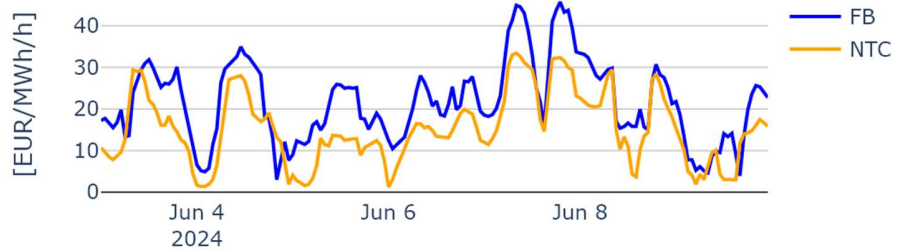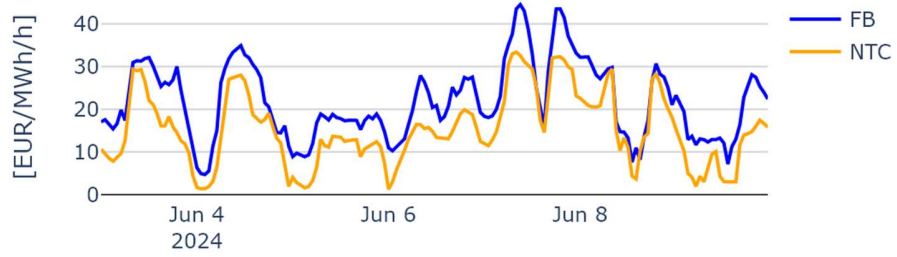
NO1 price

NO2 price

NO3 price
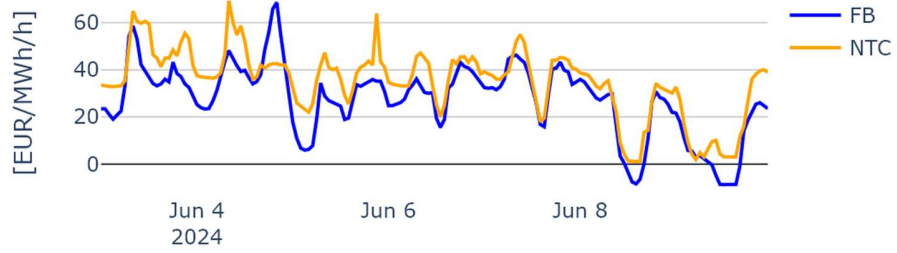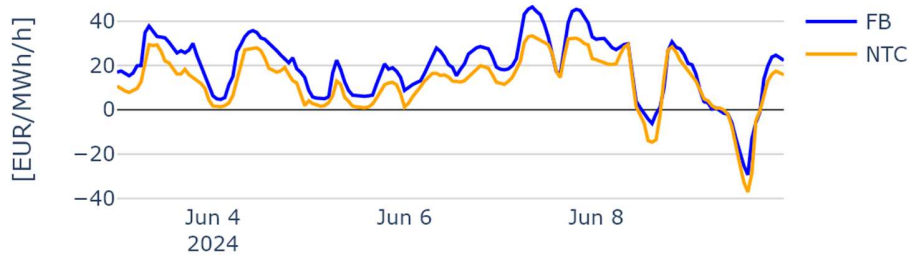
NO4 price

NO5 price
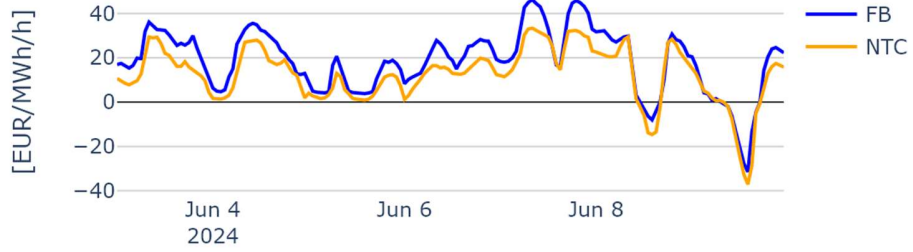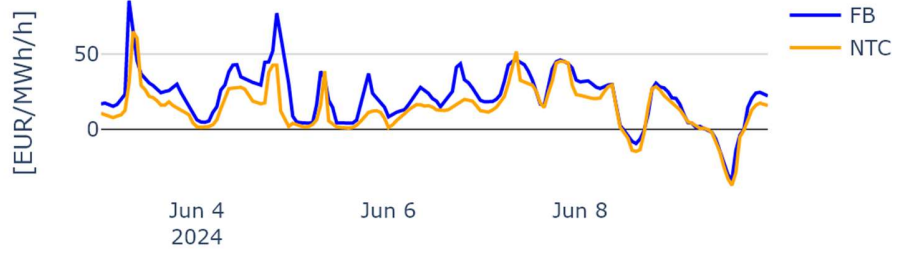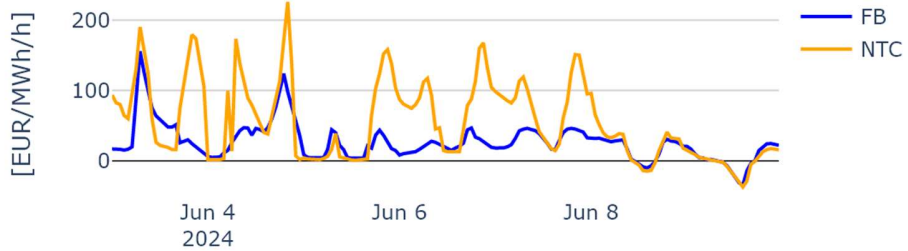

SE1 price

SE2 price

SE3 price

SE4 price

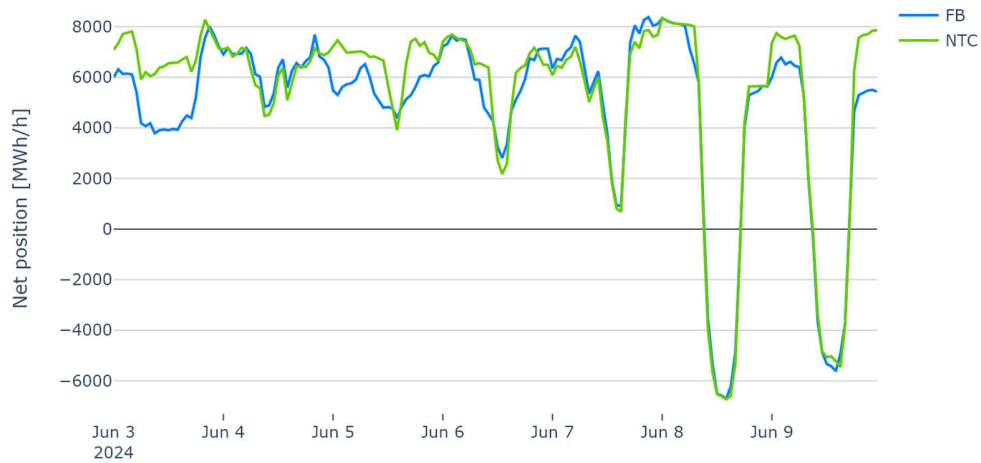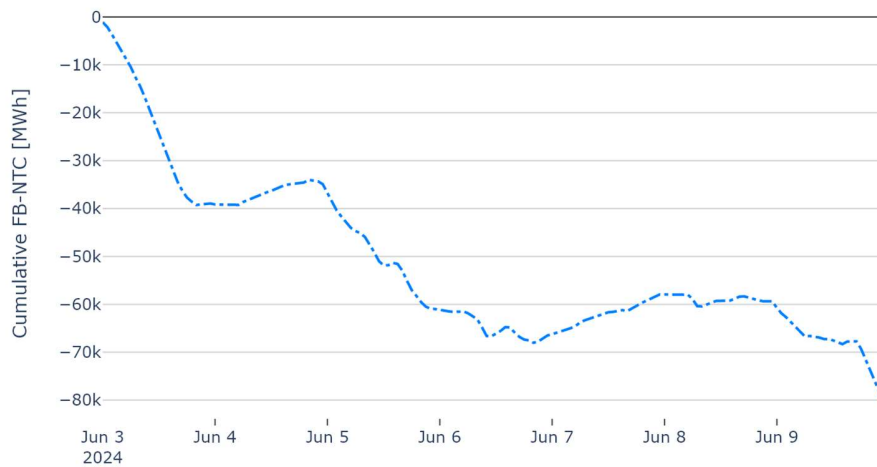

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Net positions

Nordics

Total Net Position Nordics

Cumulative Net Position Difference FB-NTC, Nordics

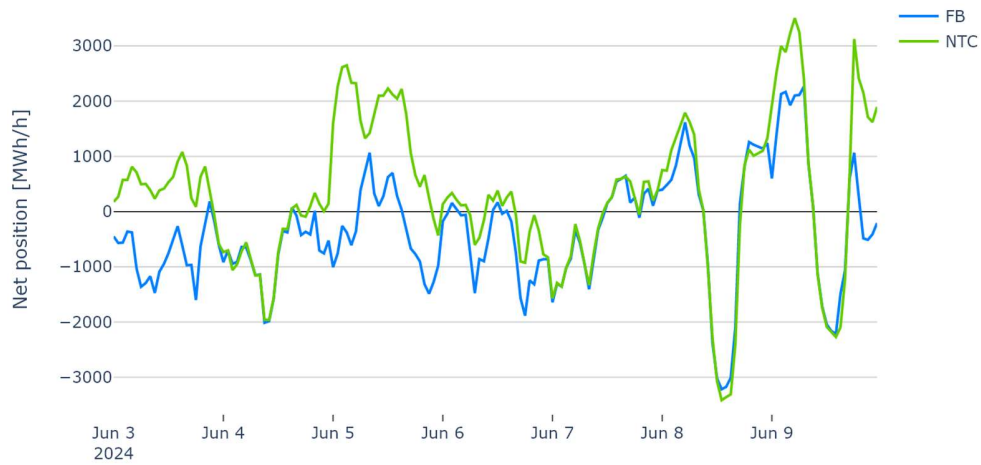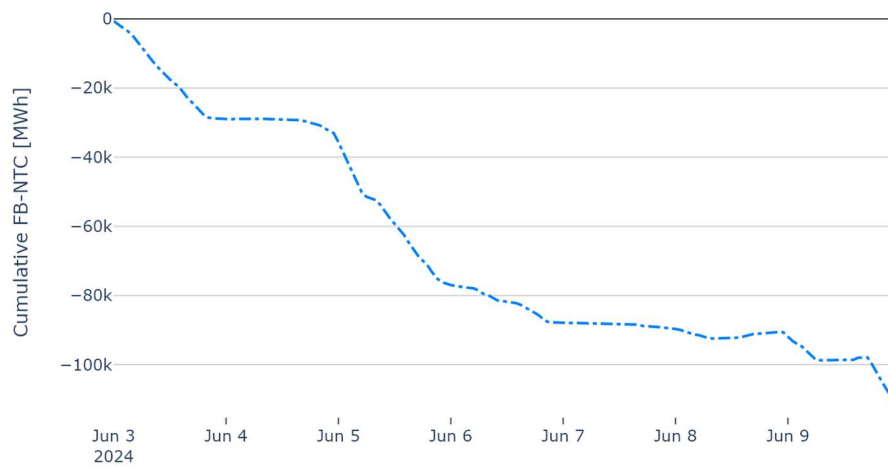ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett

Denmark

Total Net Position DK

Cumulative Net Position Difference FB-NTC, DK

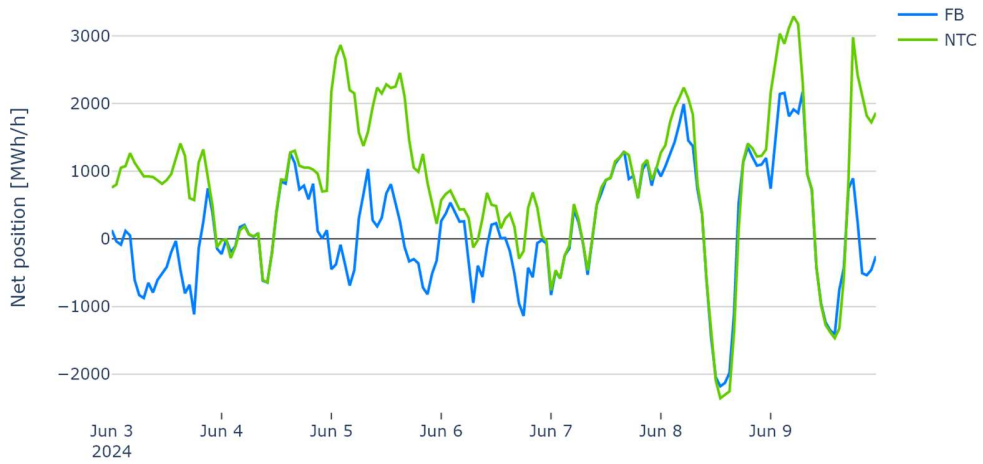ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett
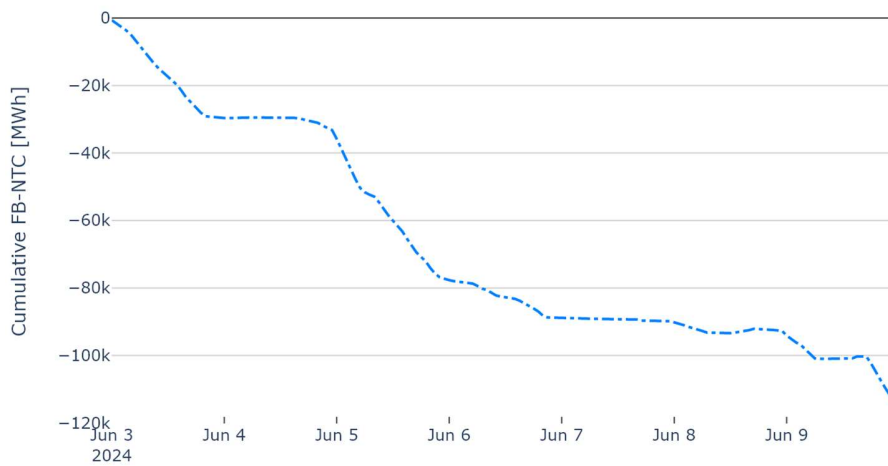
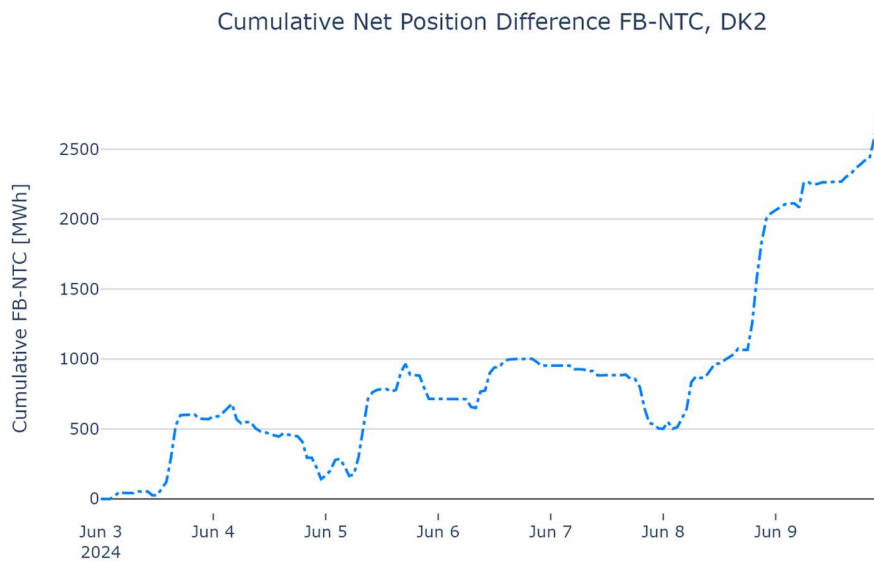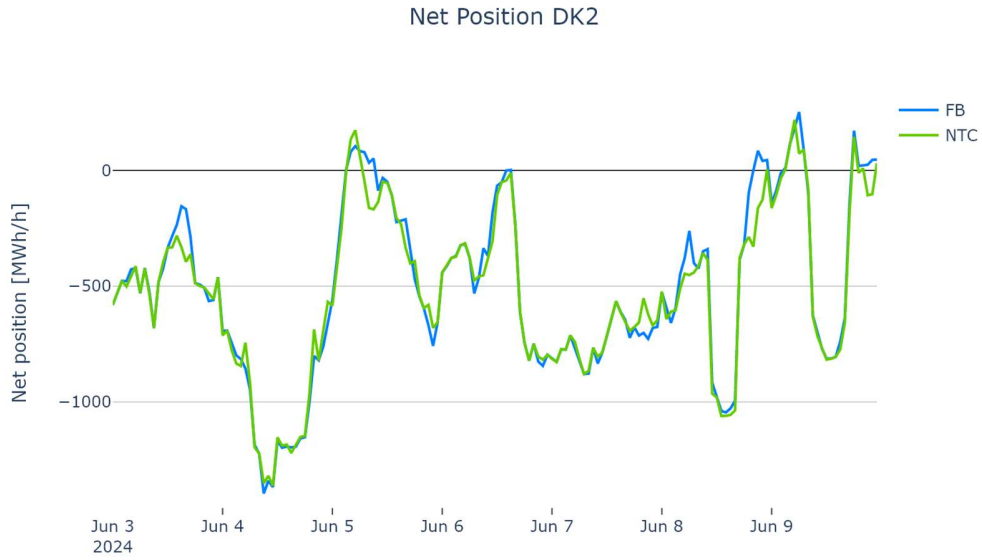## Net Position DK1

Cumulative Net Position Difference FB-NTC, DK1

Net Position DK2

Cumulative Net Position Difference FB-NTC, DK2

Finland

Total Net Position FI

Cumulative Net Position Difference FB-NTC, FI

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Norway

Total Net Position NO

Cumulative Net Position Difference FB-NTC, NO

ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett

Net Position NO1

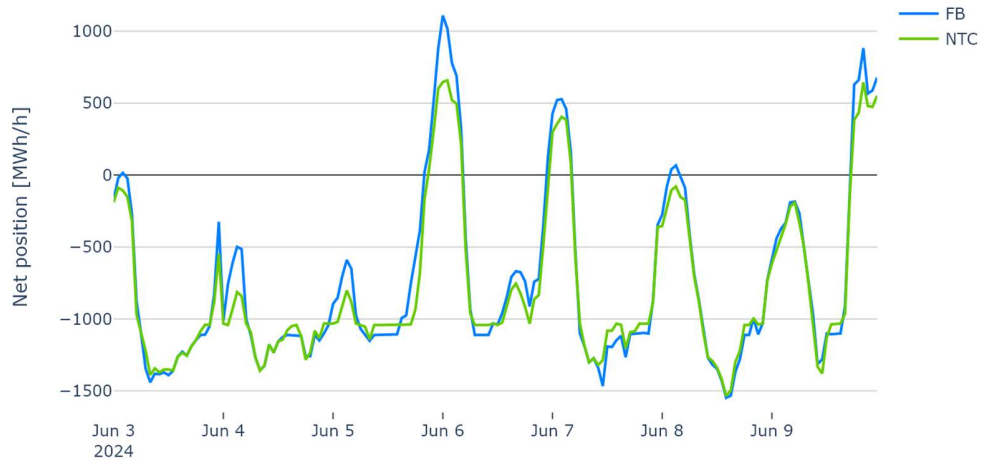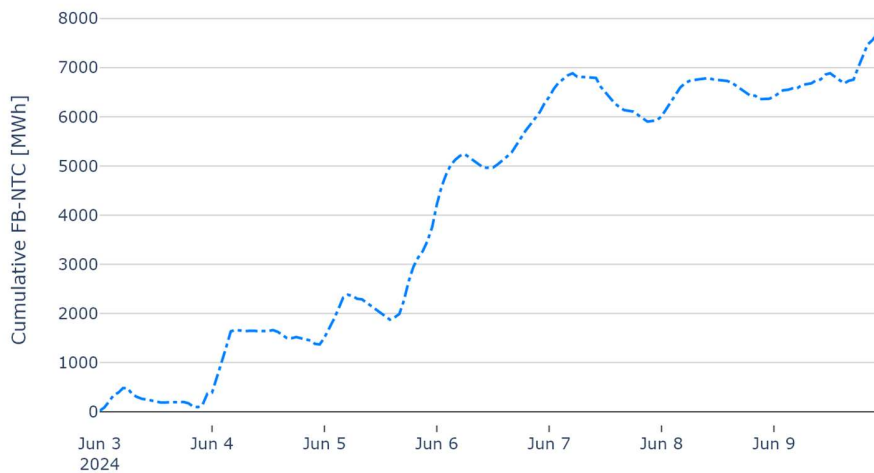
Cumulative Net Position Difference FB-NTC, NO1

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Net Position NO2

Cumulative Net Position Difference FB-NTC, NO2

Net Position NO3

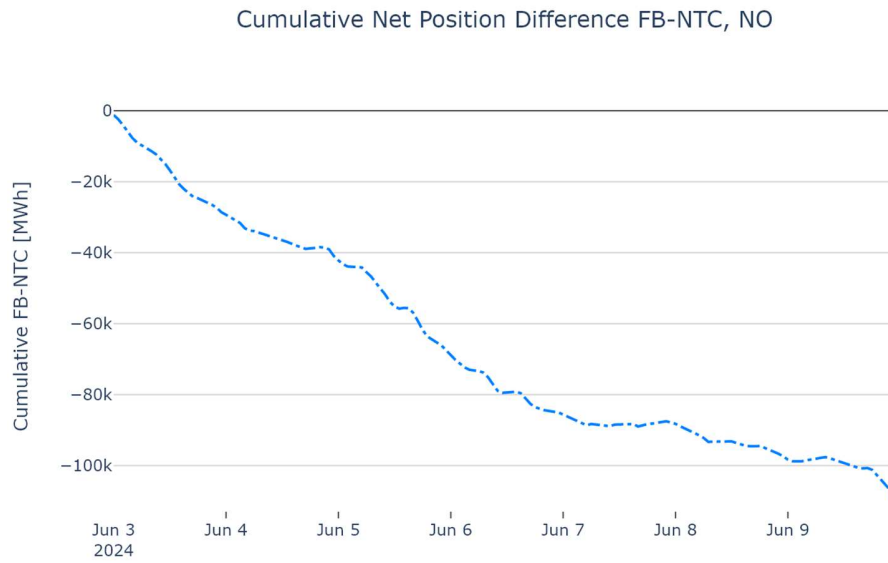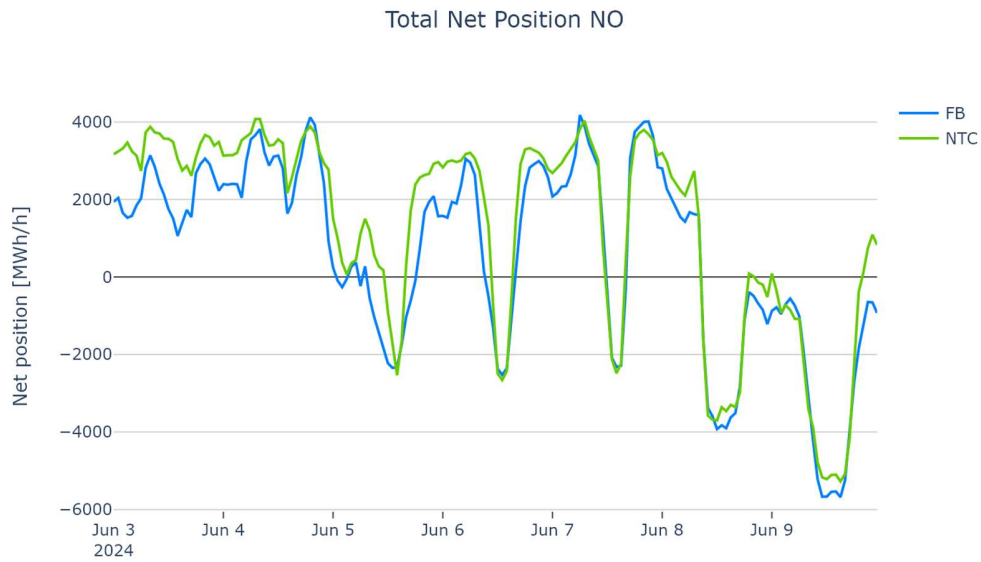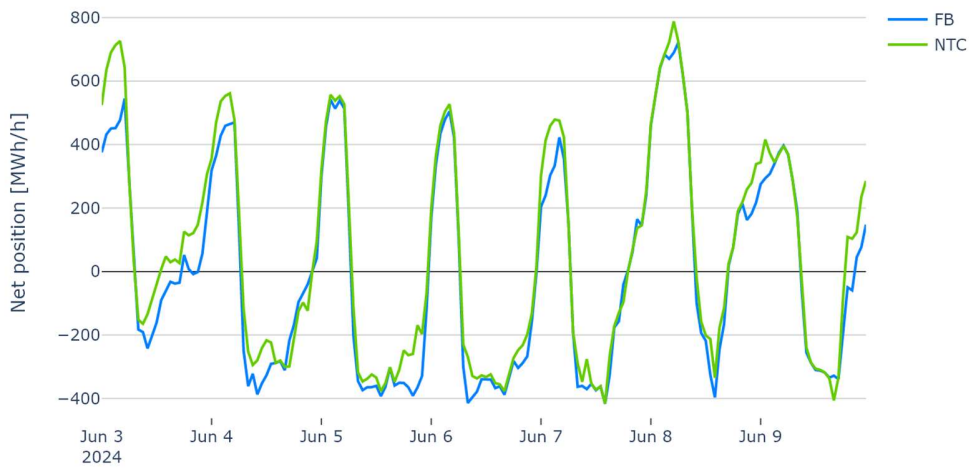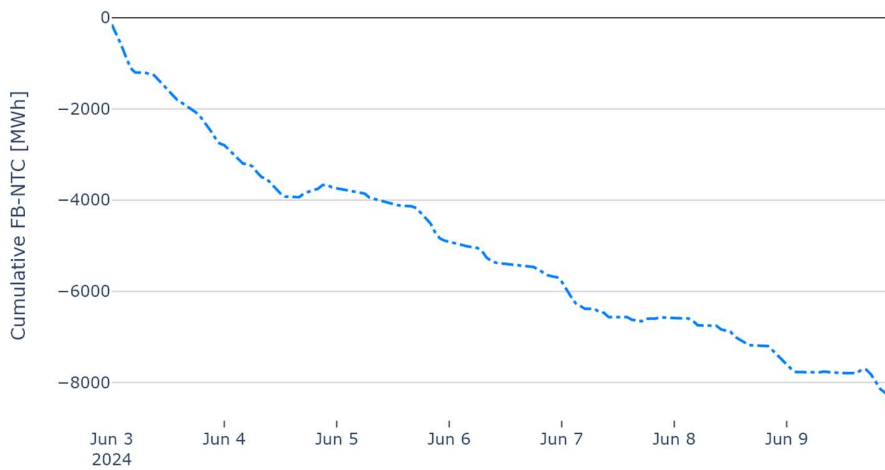## Cumulative Net Position Difference FB-NTC, NO3

ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett
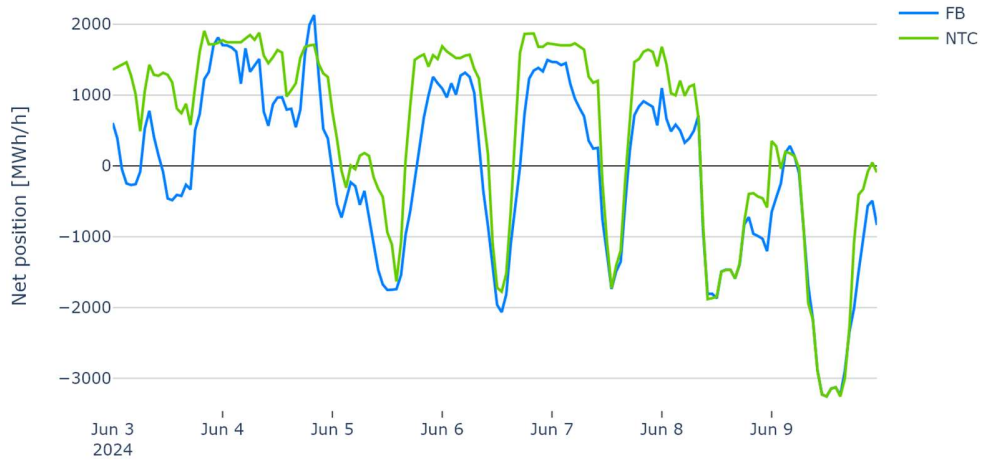
Net Position NO4

Cumulative Net Position Difference FB-NTC, NO4
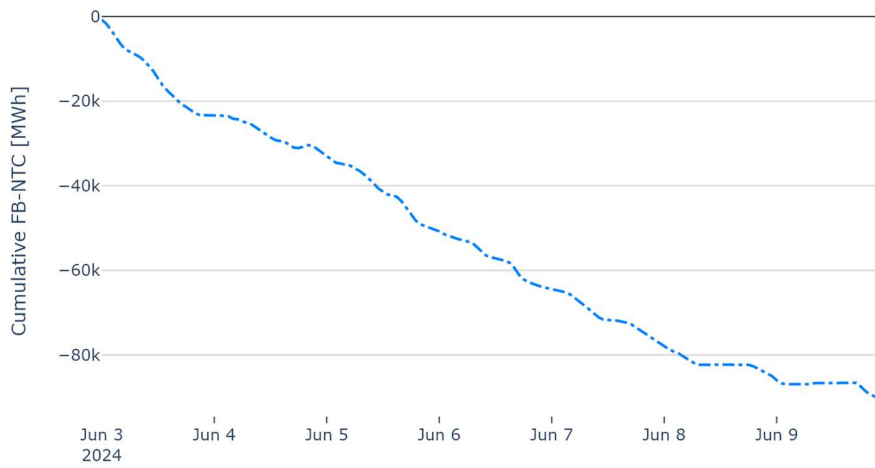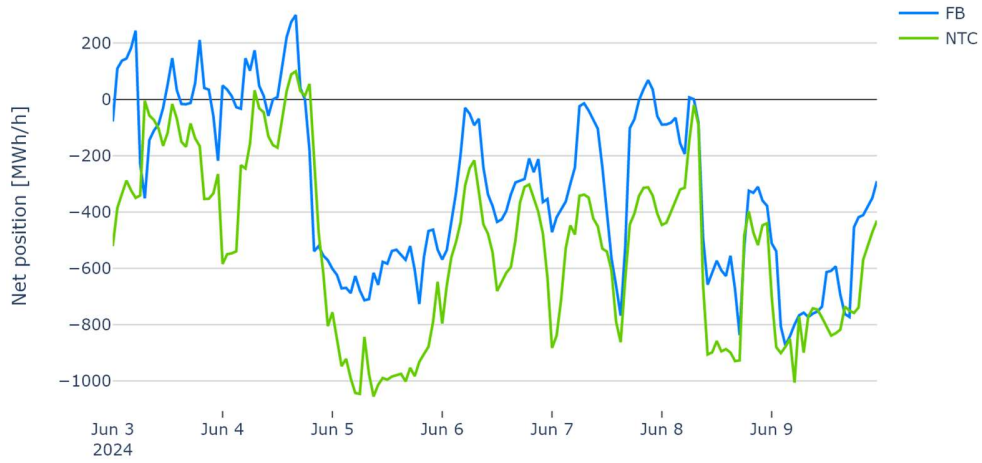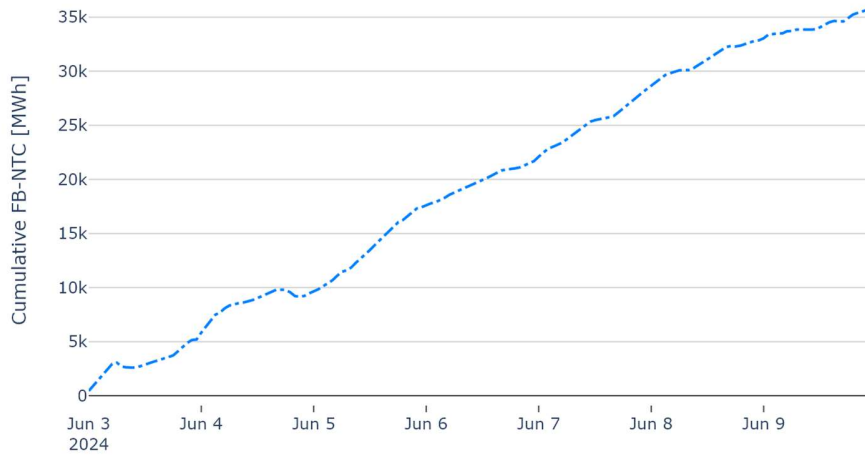
Net Position NO5

Cumulative Net Position Difference FB-NTC, NO5

Sweden

Total Net Position SE

Cumulative Net Position Difference FB-NTC, SE

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Net Position SE1

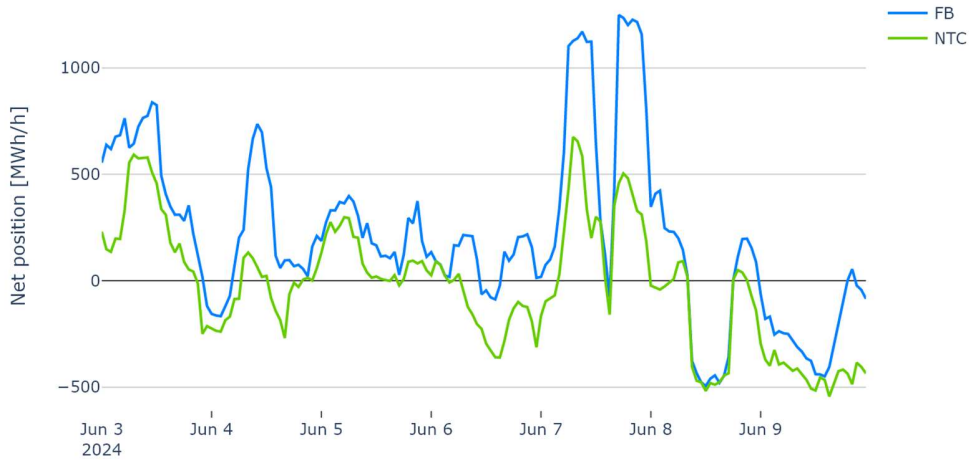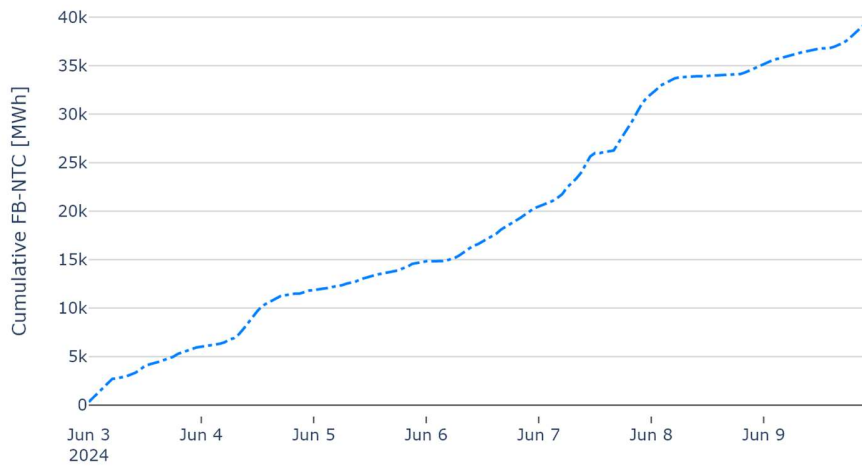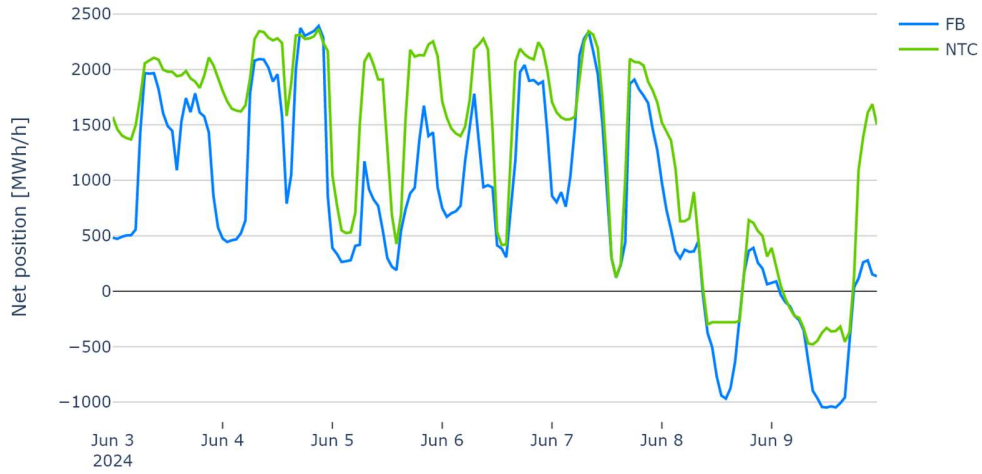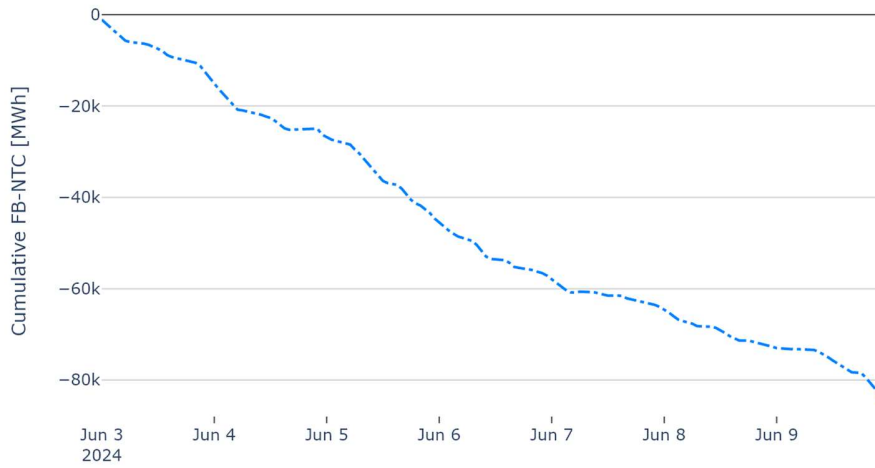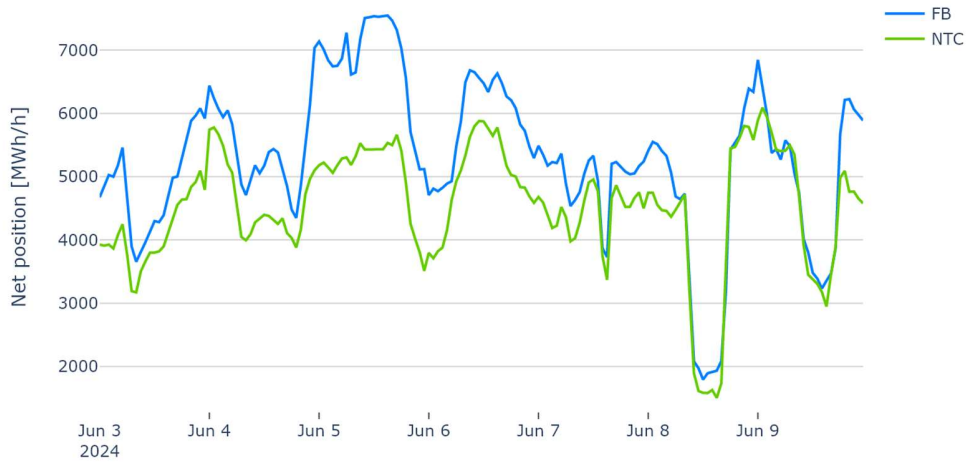Cumulative Net Position Difference FB-NTC, SE1

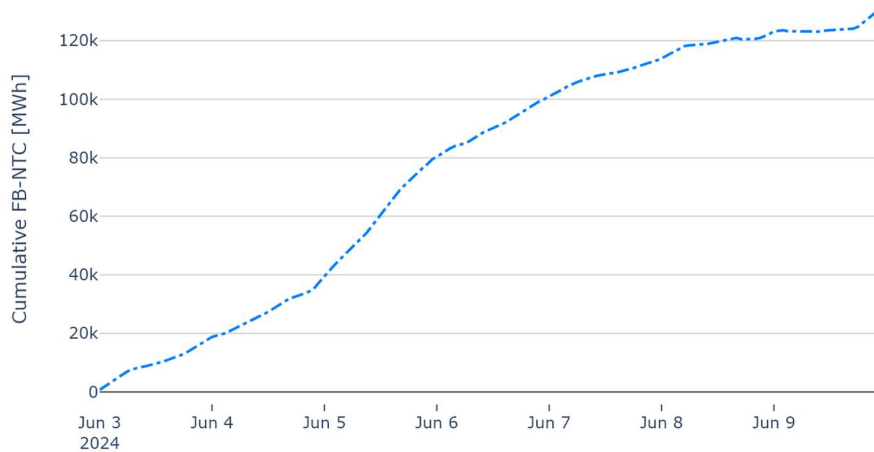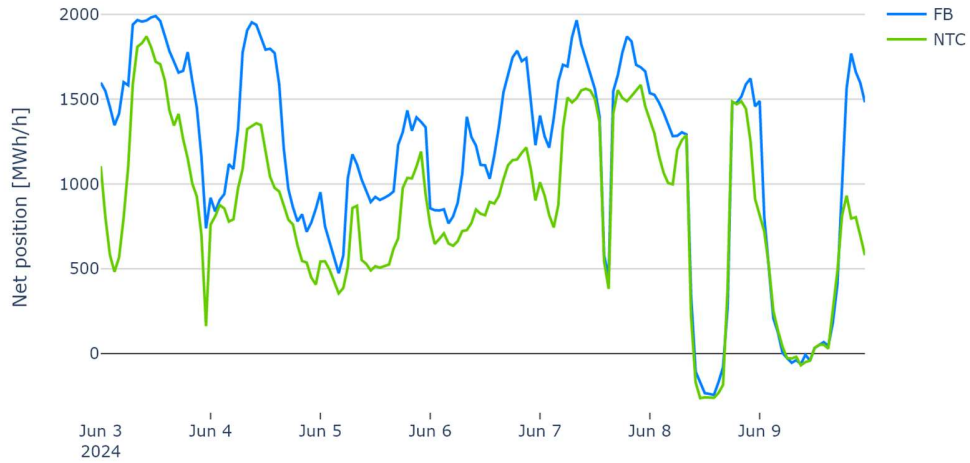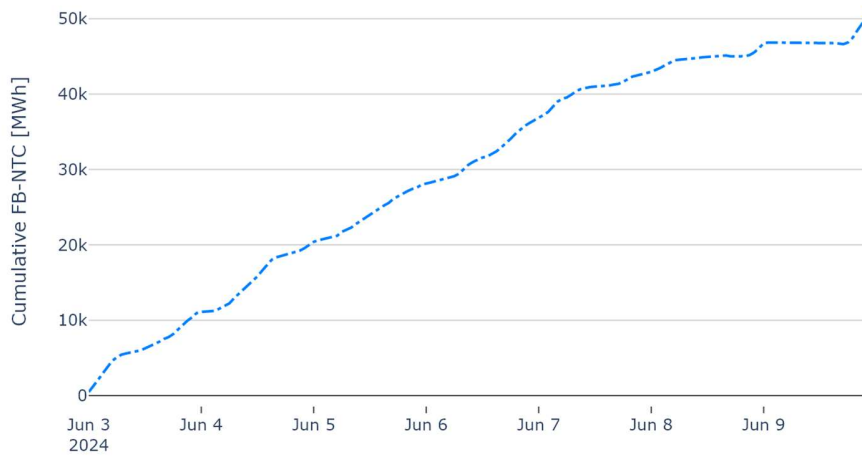## Net Position SE2

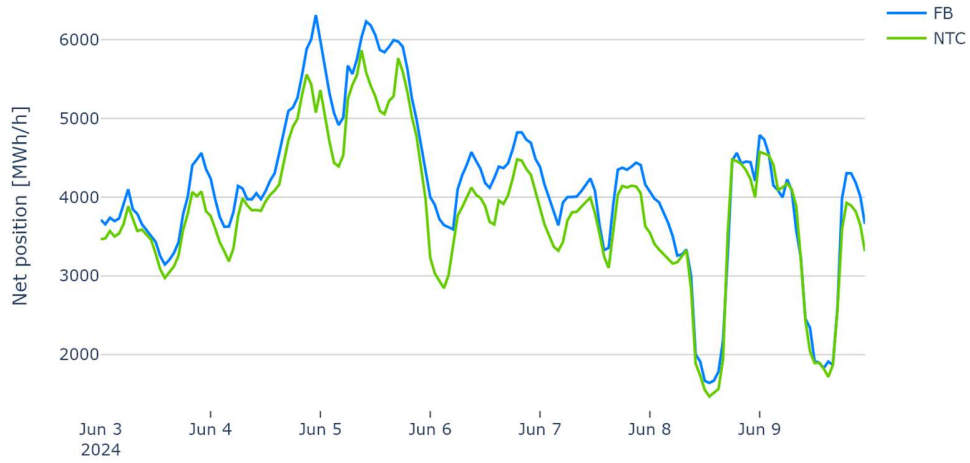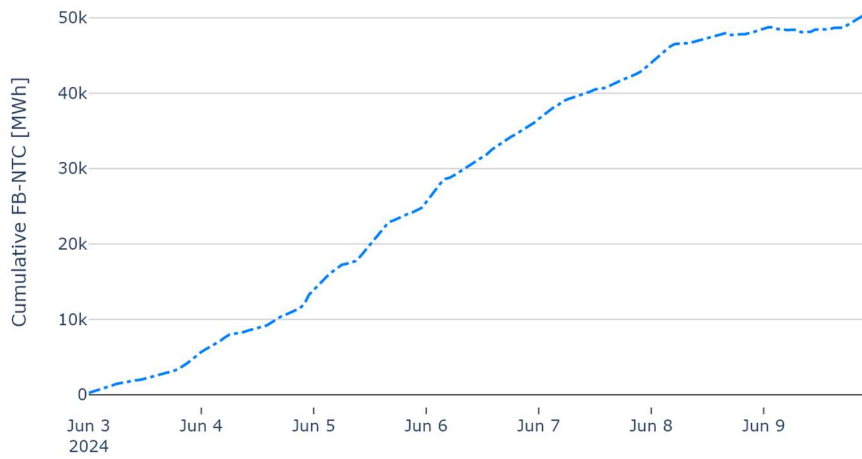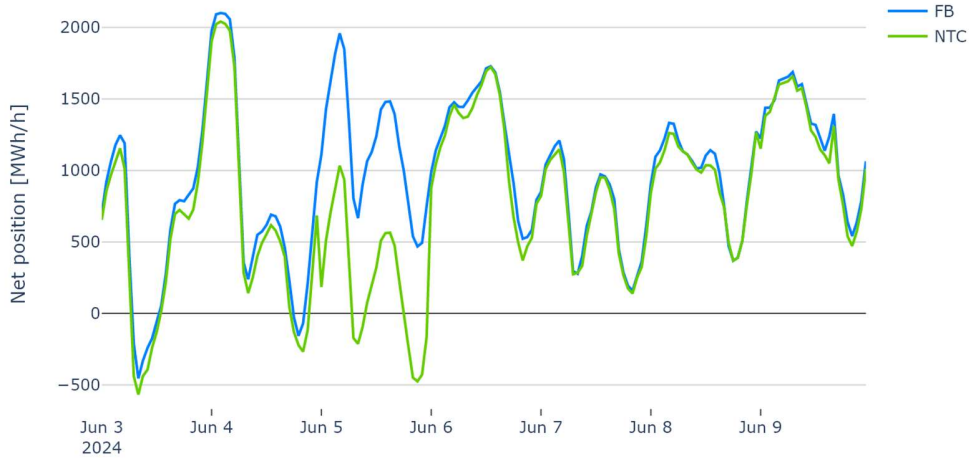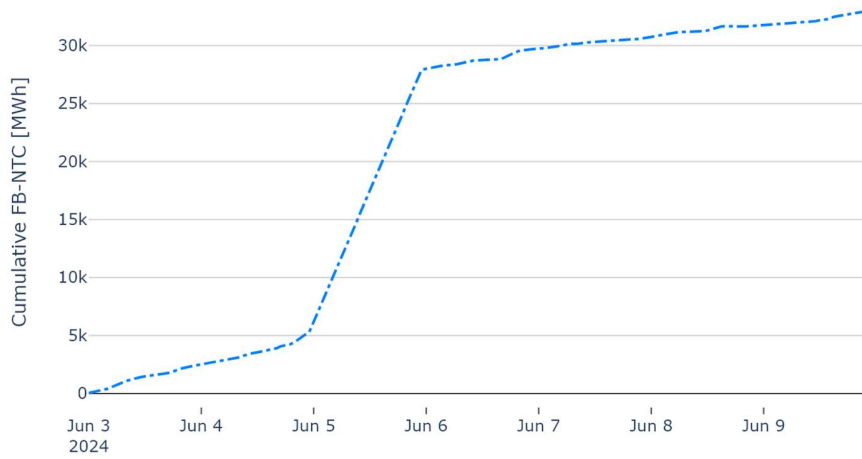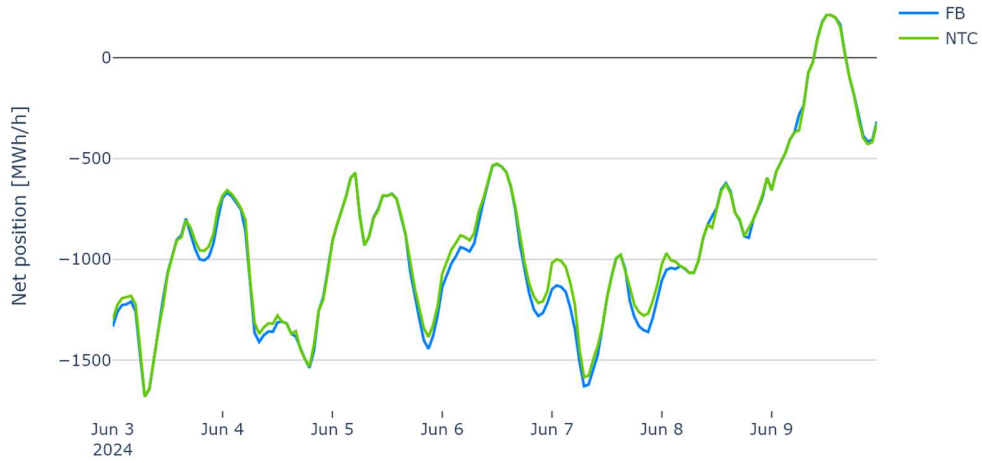## Cumulative Net Position Difference FB-NTC, SE2

Net Position SE3

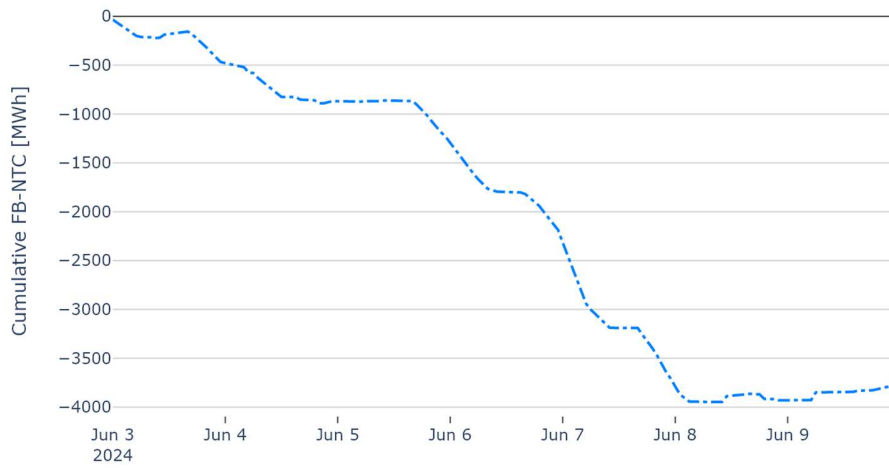Cumulative Net Position Difference FB-NTC, SE3

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
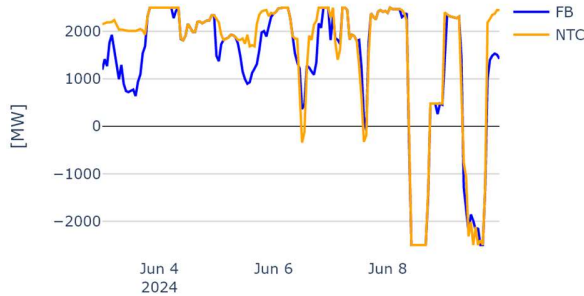
DK1 > DE/LU Average flow on border
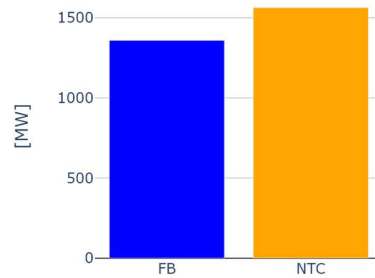
DK1 > DK2 Physical Flow

DK1 > DK2 Average flow on border

DK1 > NL Physical Flow

DK1 > NL Average flow on border
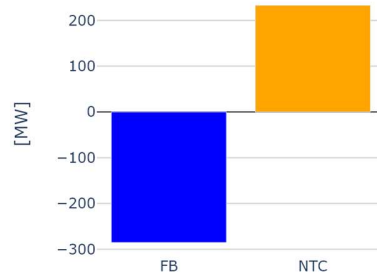
DK1 > NO2 Physical Flow
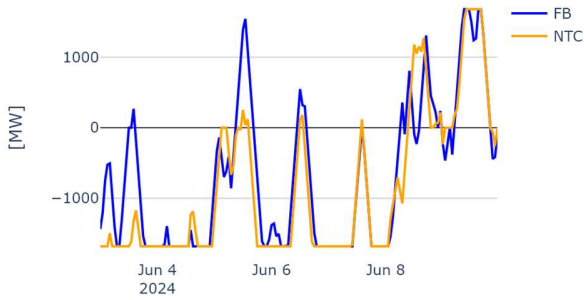
DK1 > NO2 Average flow on border

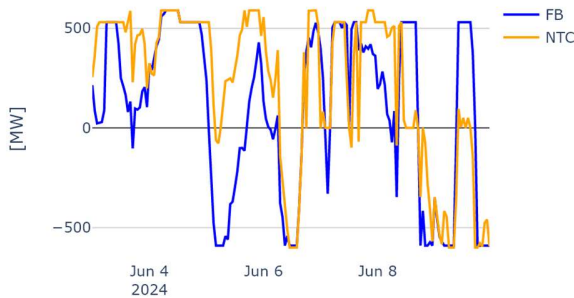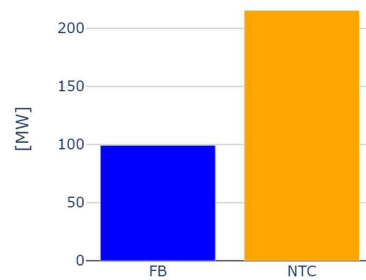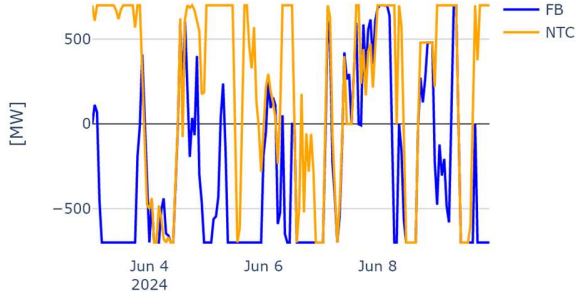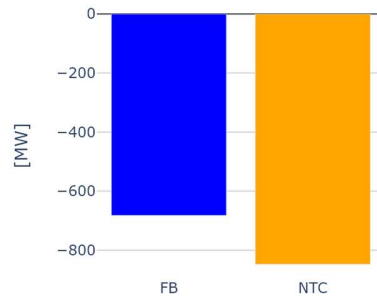### DK1 > SE3 Physical Flow
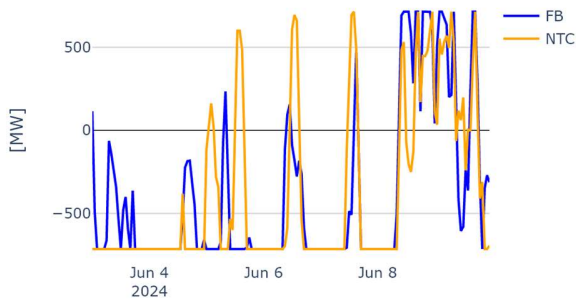
DK1 > SE3 Average flow on border

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

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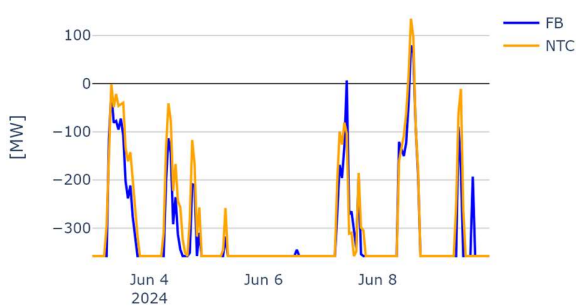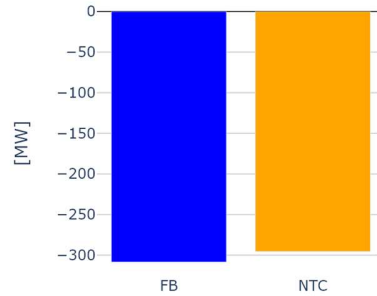
FI > NO4 Physical Flow

FI > NO4 Average flow on border

FI > SE1 Physical Flow

FI > SE1 Average flow on border
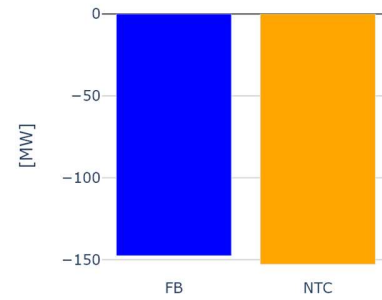
FI > SE3 Physical Flow

FI > SE3 Average flow on border

ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett
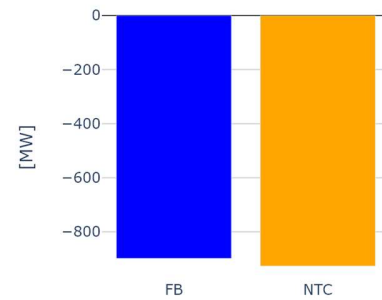
LT > SE4 Physical Flow
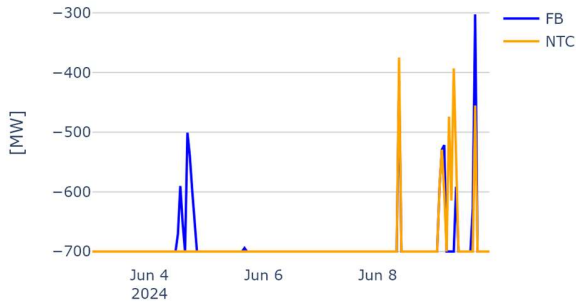
LT > SE4 Average flow on border

NL > NO2 Physical Flow
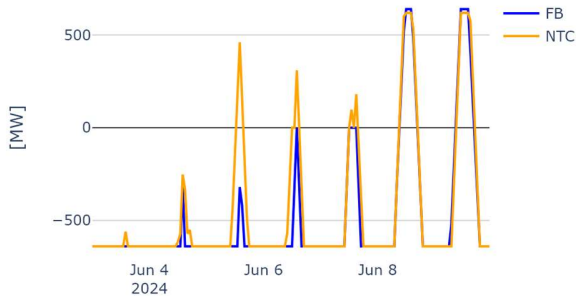
NL > NO2 Average flow on border

NO1 > NO2 Physical Flow

NO1 > NO2 Average flow on border

ENERGINET　　SVENSKA KRAFTNÄT　　FINGRID　　Statnett

NO1 > NO3 Physical Flow
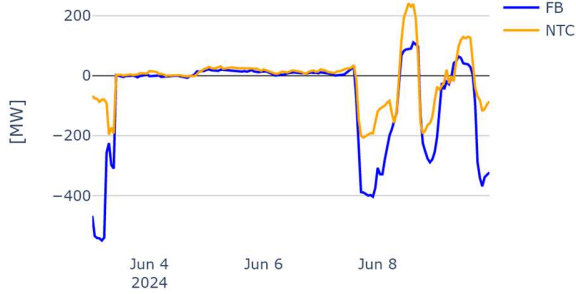
NO1 > NO3 Average flow on border
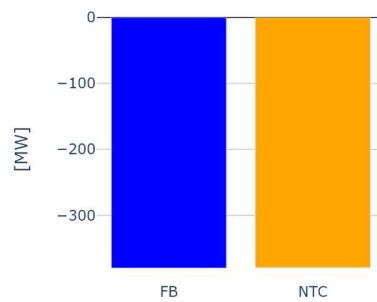

NO1 > NO5 Physical Flow
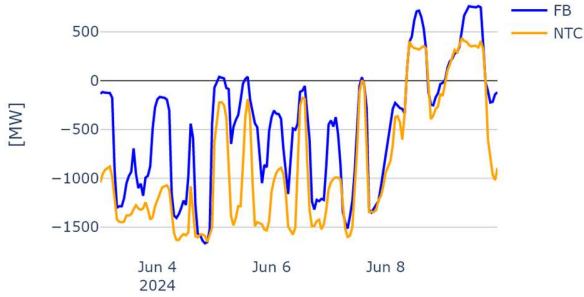
NO1 > NO5 Average flow on border
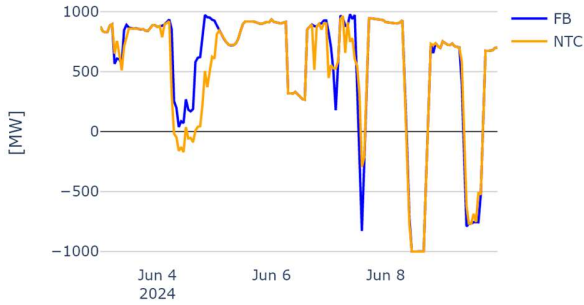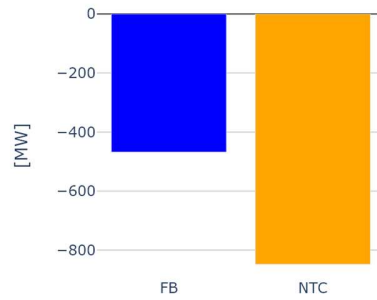

NO1 > SE3 Physical Flow
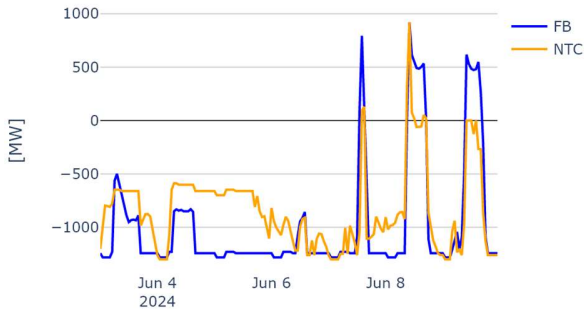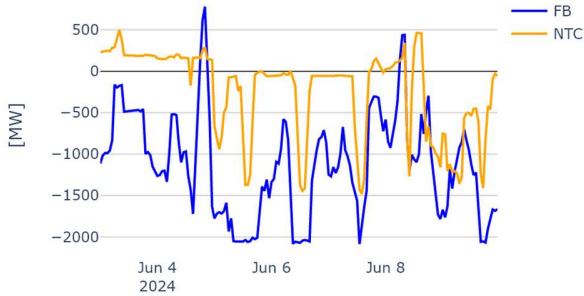

NO1 > SE3 Average flow on border
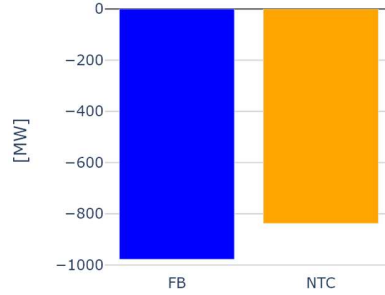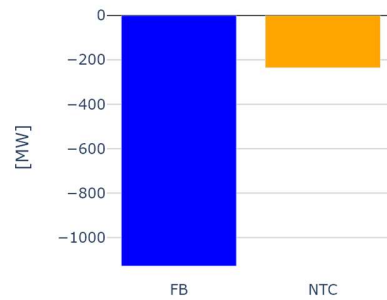
NO2 > DE/LU Physical Flow
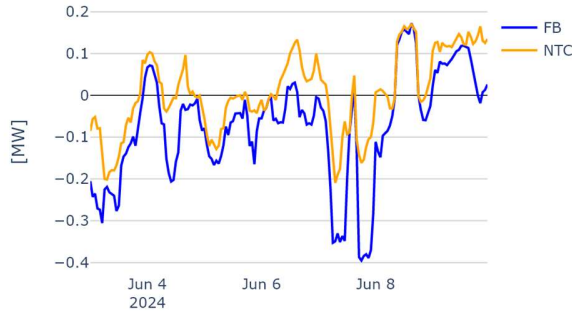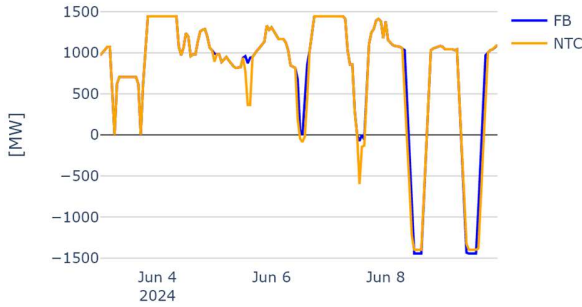

NO2 > DE/LU Average flow on border
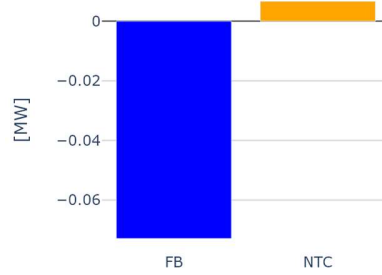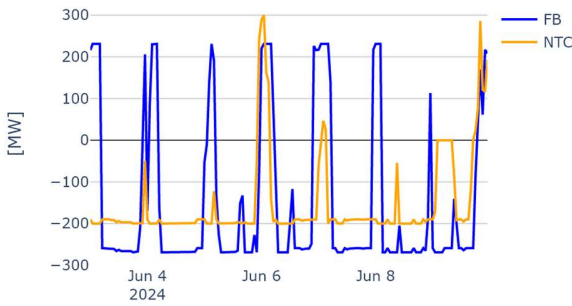

NO2 > NO5 Physical Flow
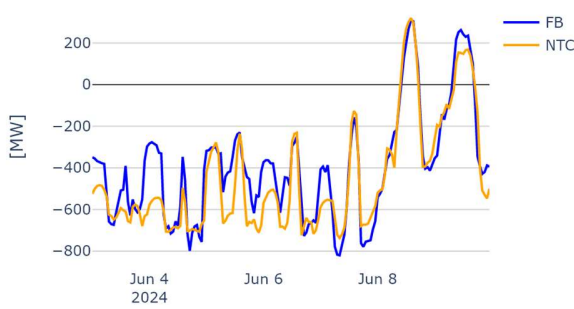
NO2 > NO5 Average flow on border
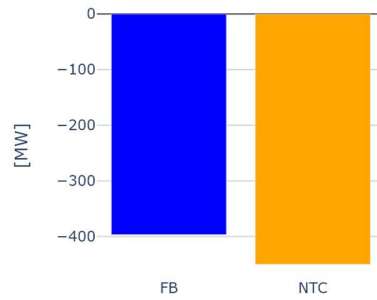
NO3 > NO4 Physical Flow

NO3 > NO4 Average flow on border

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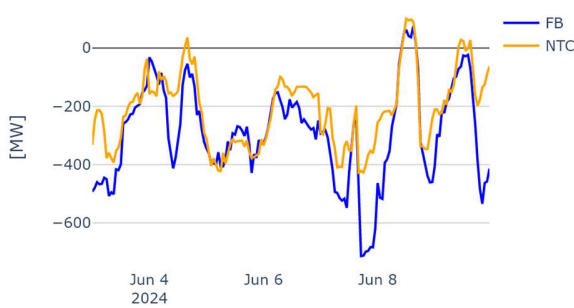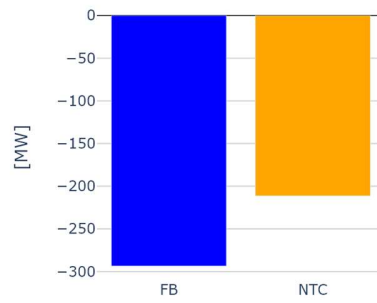
NO3 > NO5 Physical Flow
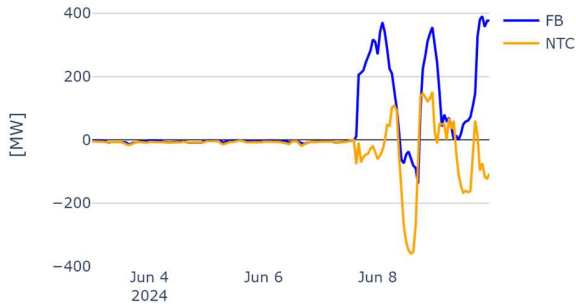
NO3 > NO5 Average flow on border

NO3 > SE2 Physical Flow
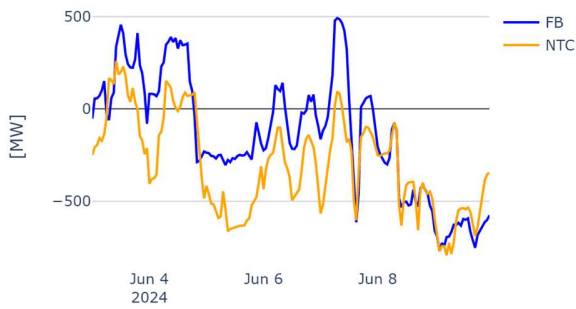
NO3 > SE2 Average flow on border

NO4 > SE2 Physical Flow

NO4 > SE2 Average flow on border

ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett
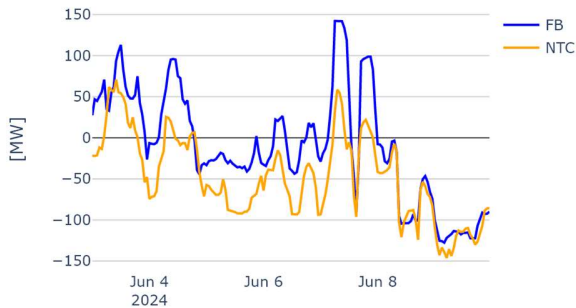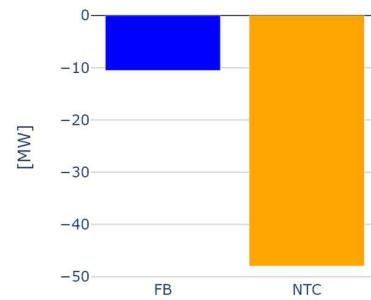
PL > SE4 Physical Flow
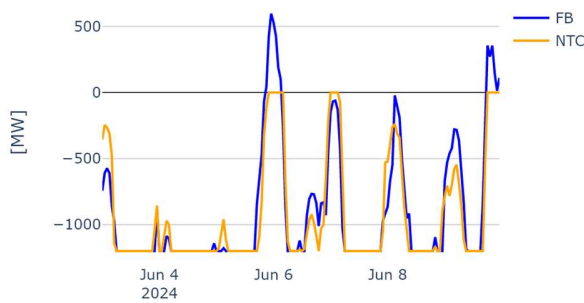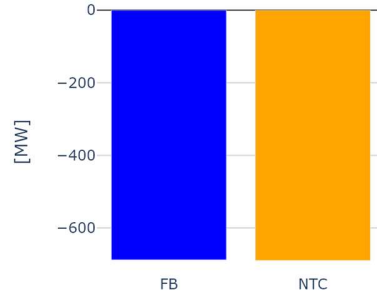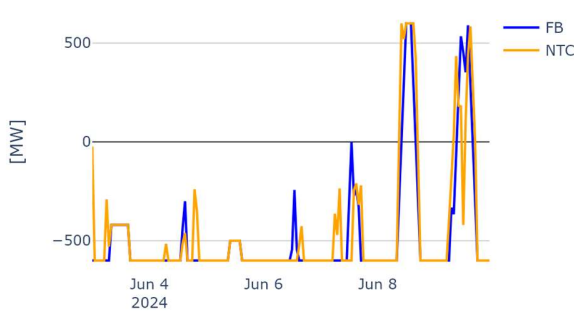

PL > SE4 Average flow on border
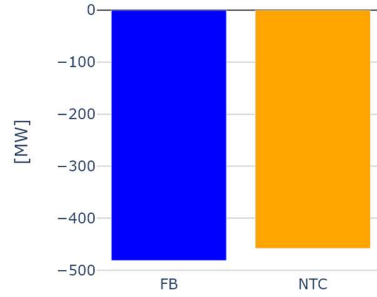
SE1 > NO4 Physical Flow
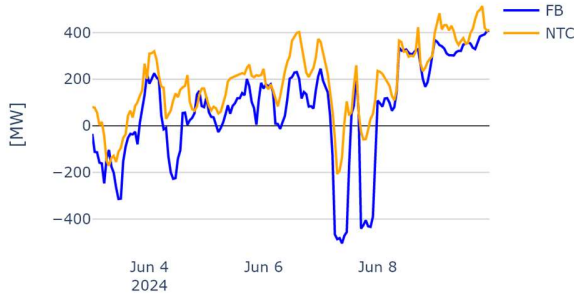
SE1 > NO4 Average flow on border
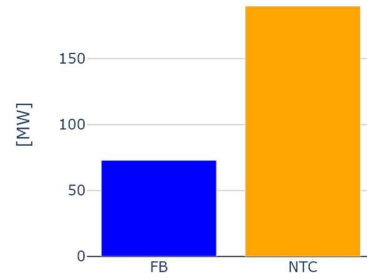
SE1 > SE2 Physical Flow

SE1 > SE2 Average flow on border

ENERGINET   SVENSKA KRAFTNÄT   FINGRID   Statnett
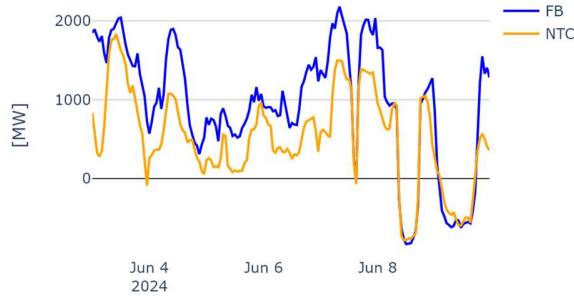
SE2 > SE3 Physical Flow
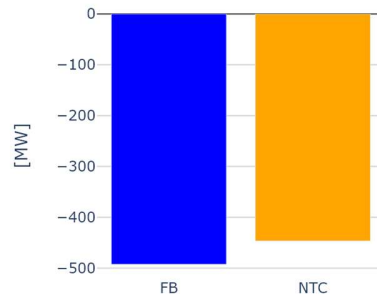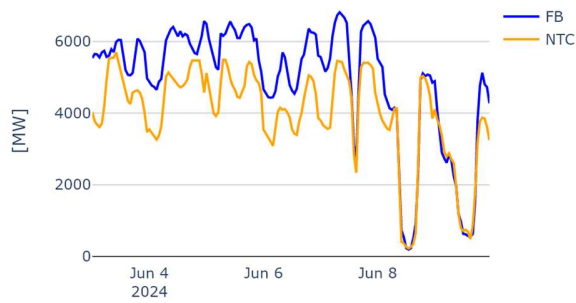

SE2 > SE3 Average flow on border
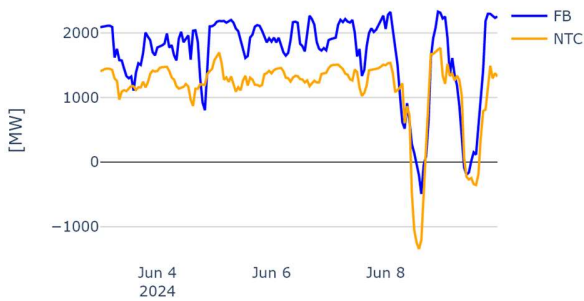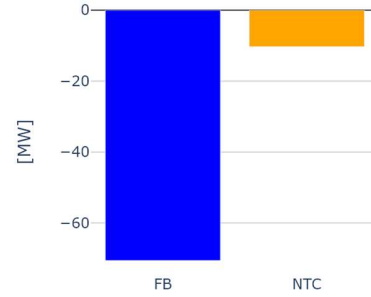

SE3 > SE4 Physical Flow
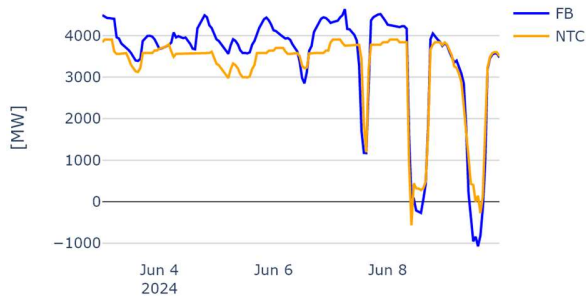
SE3 > SE4 Average flow on border
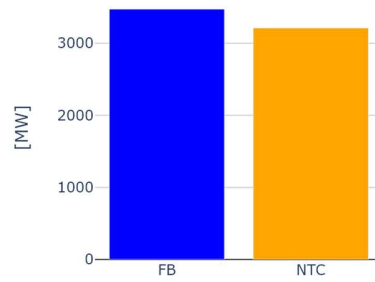
SE4 > DE/LU Physical Flow
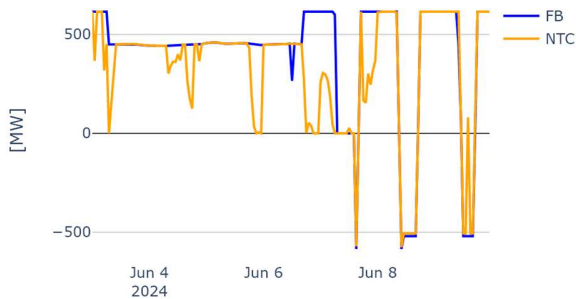
SE4 > DE/LU Average flow on border

Flows per border (FB)

Values are rounded to the nearest integer.

Border	Congestion Income (total)	Avg. Price Spread
DK1 > DE/LU	11184862	41
DK1 > DK2	255756	8
DK1 > NL	-2266246	-19
DK1 > NO2	3196059	11
DK1 > SE3	2513980	19
DK2 > DE/LU	1441117	11
DK2 > SE4	8801741	44
EE > FI	3107075	52
FI > NO4	573	24
FI > SE1	1044657	23
FI > SE3	4246951	21
LT > SE4	7924110	68
NL > NO2	3925727	39
NO1 > NO2	3001474	10
NO1 > NO3	59144	1
NO1 > NO5	-75505	-1
NO1 > SE3	683937	3
NO2 > DE/LU	8146585	46
NO2 > NO5	597841	8
NO3 > NO4	-8103	-1
NO3 > NO5	-10218	-8
NO3 > SE2	297227	4
NO4 > SE2	63402	4
PL > SE4	6955972	72
SE1 > NO4	180254	3
SE1 > SE2	-33999	0
SE2 > SE3	3005253	3
SE3 > SE4	3269218	5
SE4 > DE/LU	4459292	53

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	29	-792452	-38
DK1 > NL	45	-2712536	-59
DK1 > NO2	31	-855534	-21
DK1 > SE3	39	-409954	-14
DK2 > DE/LU	4	-1701	-1
DK2 > SE4	1	-34	0
EE > FI	0	0	0
FI > NO4	18	-8	-5
FI > SE1	1	-6	0
FI > SE3	20	-28575	-1
LT > SE4	2	-348	0
NL > NO2	4	-4450	-5
NO1 > NO2	8	-5215	-2
NO1 > NO3	49	-9774	-8
NO1 > NO5	58	-221612	-4
NO1 > SE3	17	-131337	-6
NO2 > DE/LU	4	-7019	-4
NO2 > NO5	4	-351	0
NO3 > NO4	35	-53411	-4
NO3 > NO5	73	-22173	-12
NO3 > SE2	27	-13608	-2
NO4 > SE2	10	-327	-1
PL > SE4	7	-219903	-38
SE1 > NO4	14	-4261	-2
SE1 > SE2	39	-55592	-1
SE2 > SE3	19	-48196	-1
SE3 > SE4	18	-5247	0
SE4 > DE/LU	3	-277	-4

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