2024W28 ATC Extraction Results

Nordic RCC

July 30, 2024

Bidding zone lock-in statistics

An area operates at maximum export when the sum of ATC on all exporting directions of that area is less than 1MW.

An area operates at maximum import when the sum of ATC on all importing directions of that area is less than 1MW.

An area operates in lock-in if during the same MTU it is operating at both maximum export and maximum import.

Bidding zone	#MTUs at max Export	#MTUs at max Import	#MTUs at lock-in
DK1	0	0	0
DK2	0	6	0
FI	74	0	0
NO1	14	0	0
NO2	0	0	0
NO3	3	1	0
NO4	0	4	0
NO5	0	0	0
SE1	0	0	0
SE2	0	0	0
SE3	0	0	0
SE4	0	0	0

Border lock-in statistics

A bidding zone border is operating in a lock-in situation, if at a given MTU, the ATC of the bidding zone border is smaller than 1MW in both forward and reverse trading direction.

Border	#MTUs at lock-in
DK1-SE3	7
SE3-DK1	7
NO1-SE3	1
SE3-NO1	1
NO3-SE2	1
SE2-NO3	1
SE3_AC-SE4_AC	1
SE4_AC-SE3_AC	1

Border NTC plots - Reader's guide
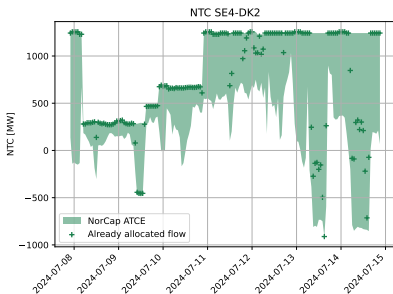
The colored area represents the possible exchange on this border and direction. The cross marks the simulated day ahead market coupling flows. Any colored area above the cross, means that intraday market will be able to increase exchange over the day ahead market coupling flows. Any colored area below the cross means that the intraday market will be able to trade against the day ahead market.

DE_LU-DK1

NTC DE_LU-DK1
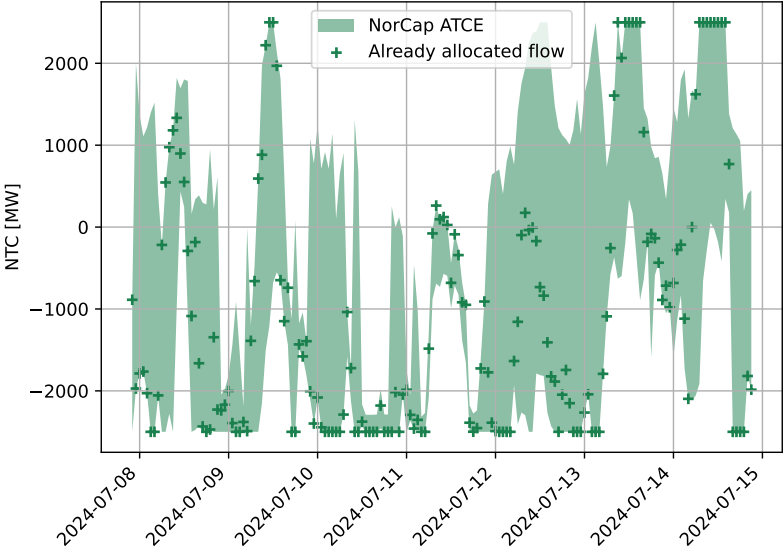
DK1-DE_LU
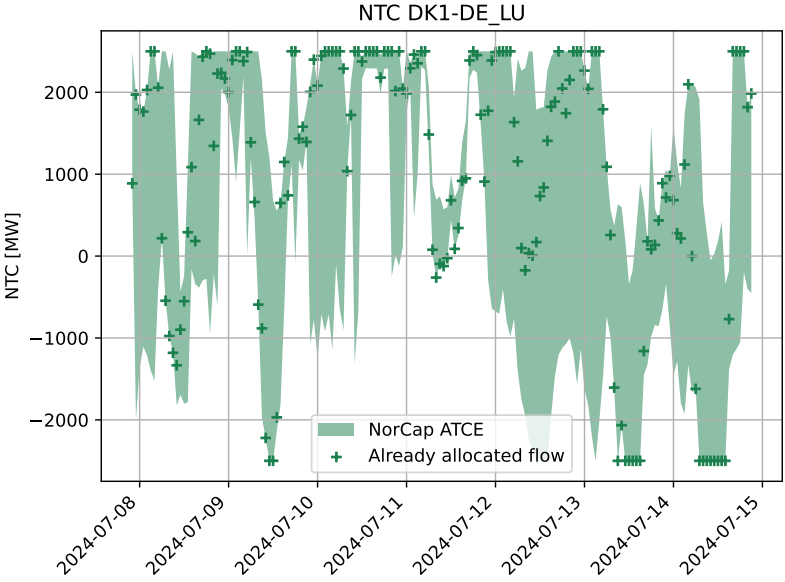
DE_LU-DK2

NTC DE_LU-DK2
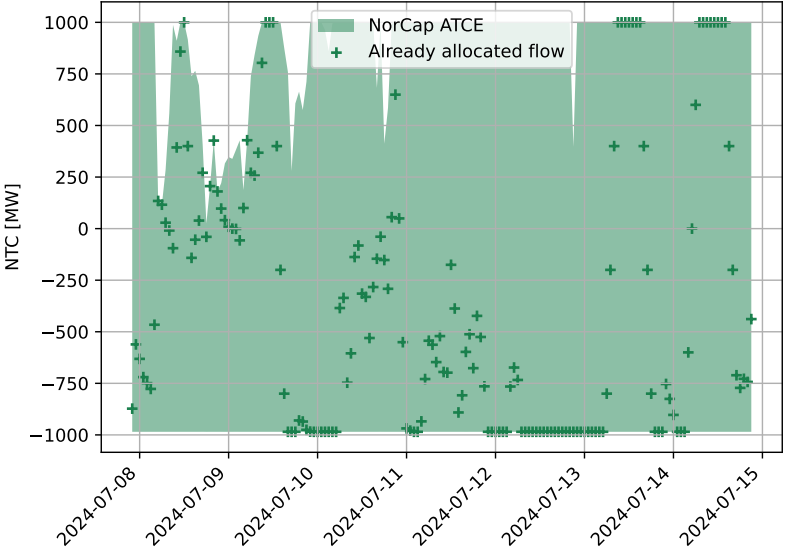
DK2-DE_LU
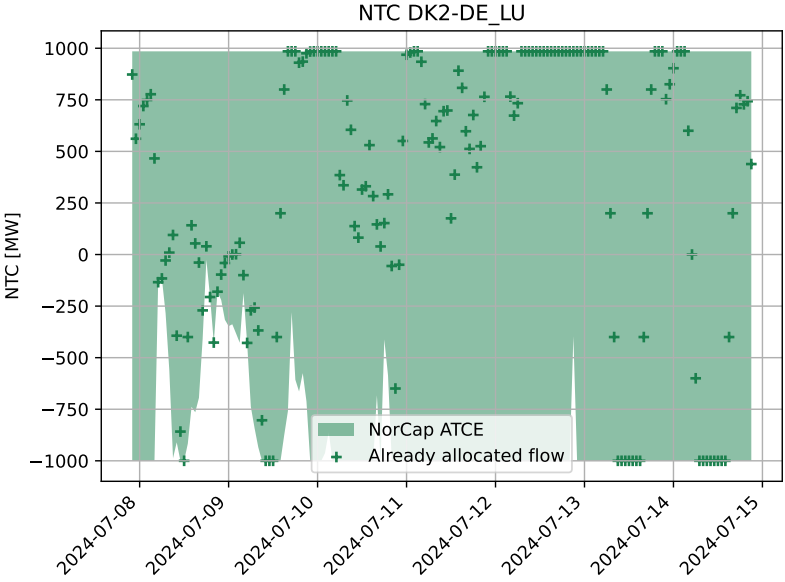
NTC DK2-DE_LU

DE_LU-NO2

NTC DE_LU-NO2
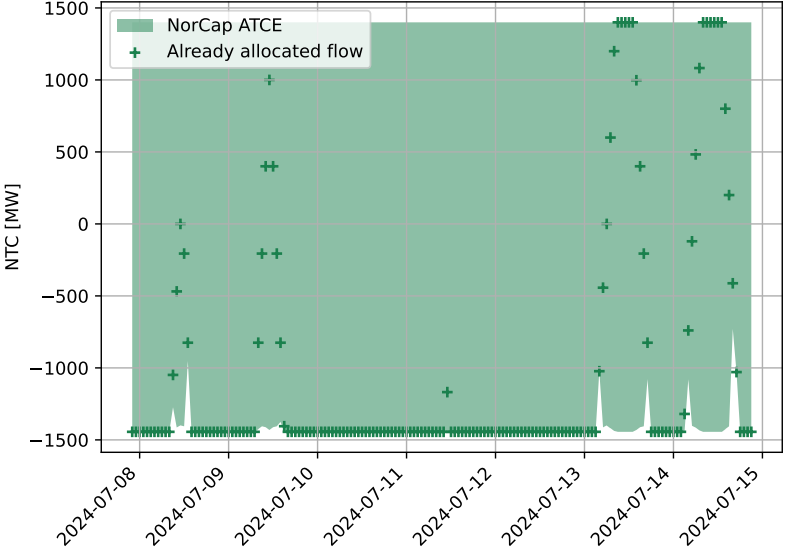
NO2-DE_LU

NTC NO2-DE_LU
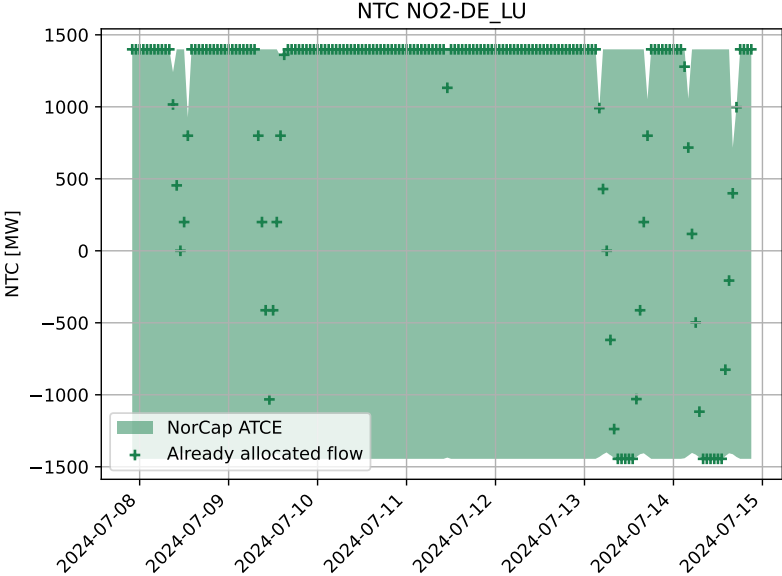
DK1-DK2

NTC DK1-DK2
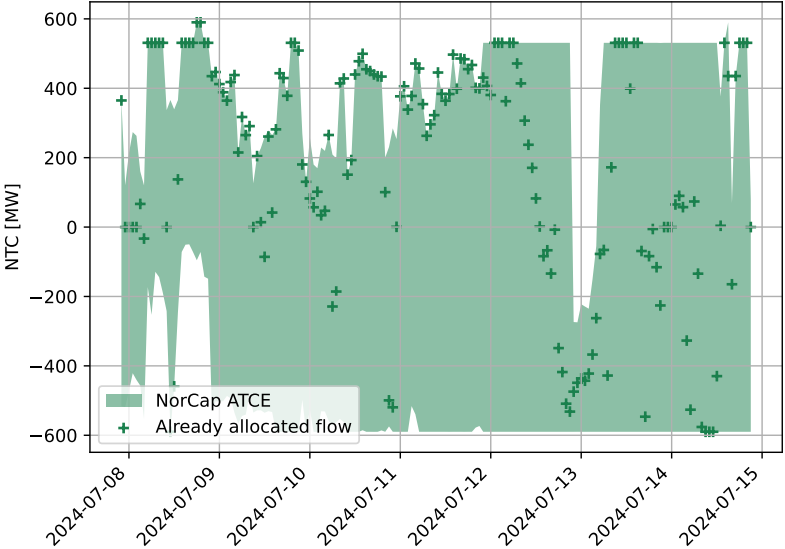
DK2-DK1
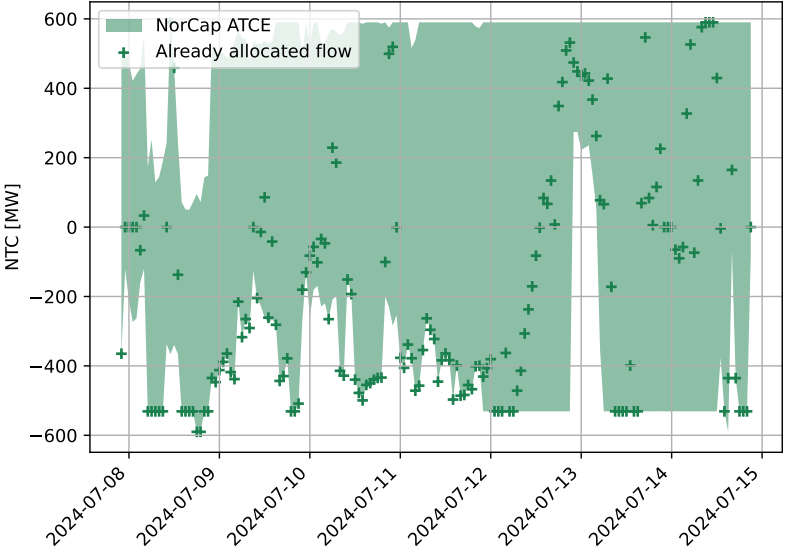
DK1-NL
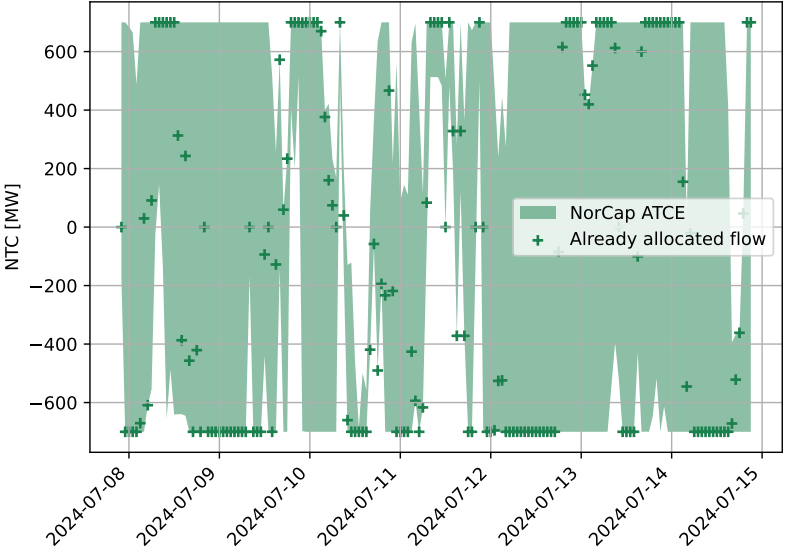
NL-DK1
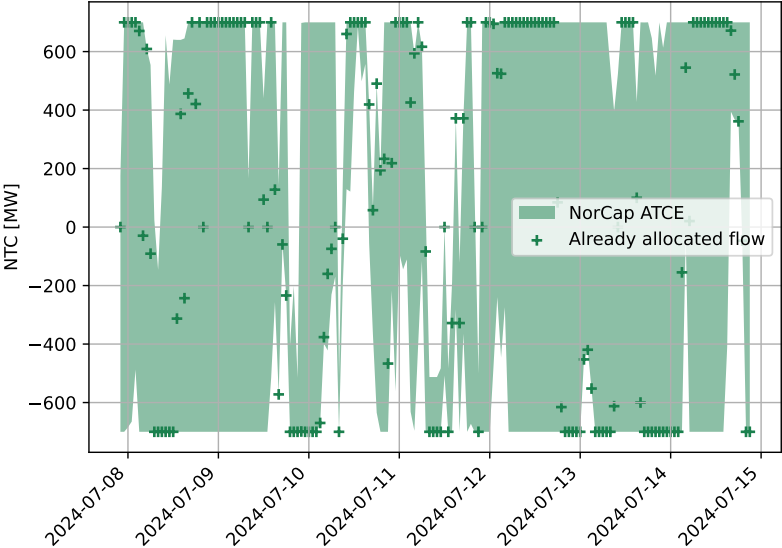
DK1-NO2

NTC DK1-NO2
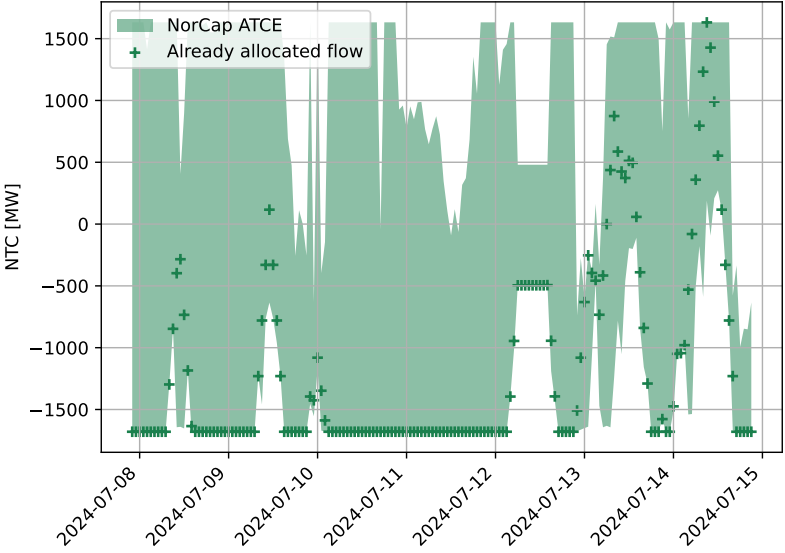
NO2-DK1

NTC NO2-DK1
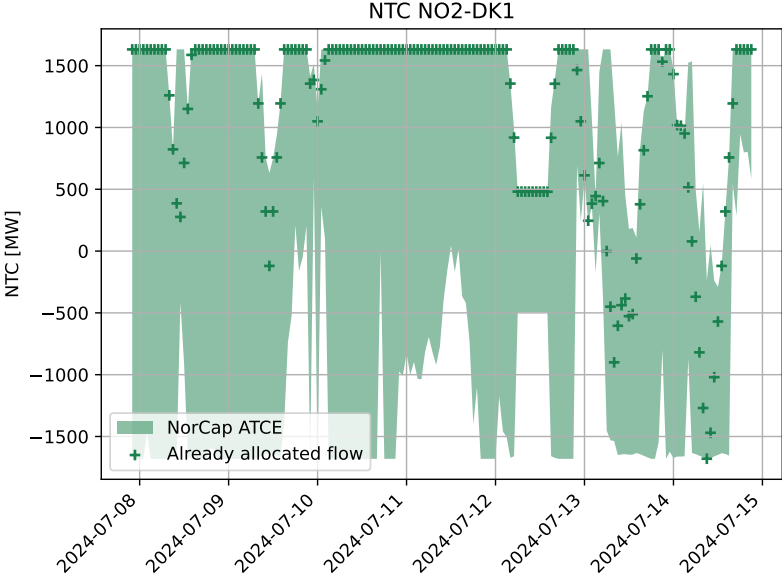
DK1-SE3

NTC DK1-SE3
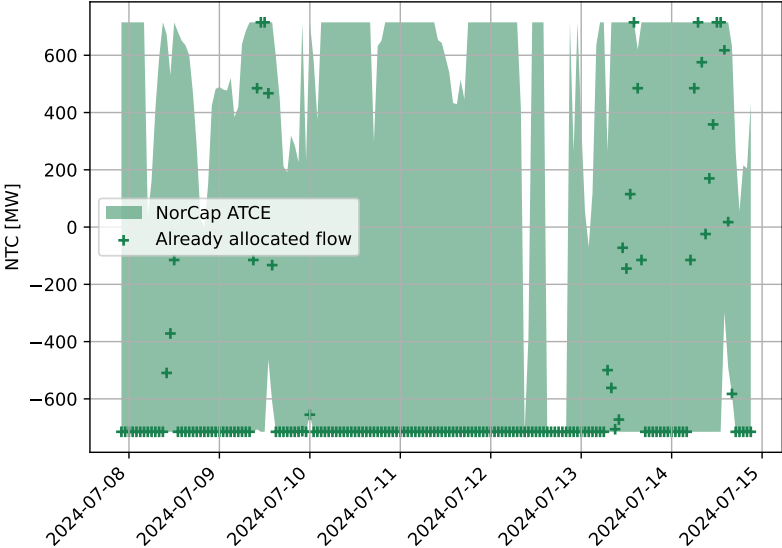
SE3-DK1
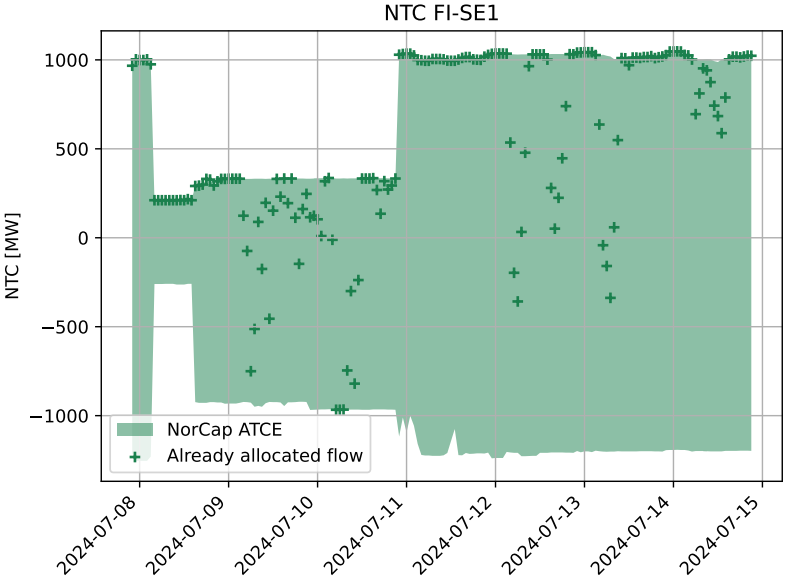

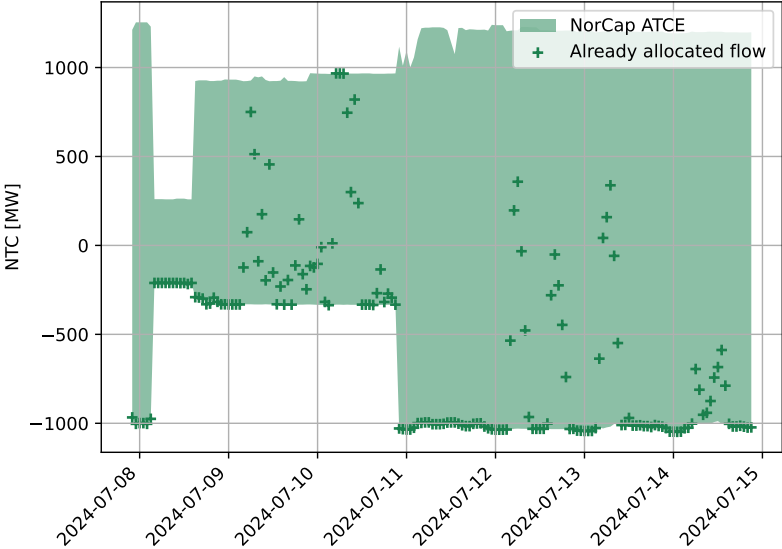NTC SE3-DK1
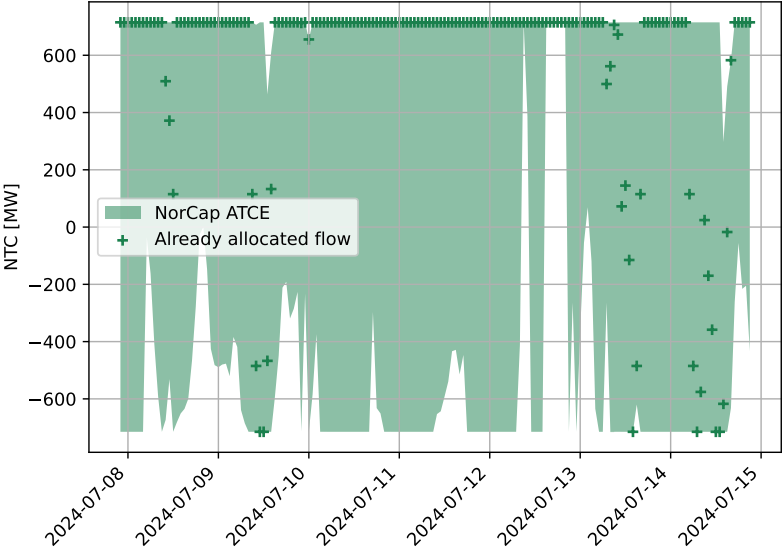
DK2-SE4

NTC DK2-SE4
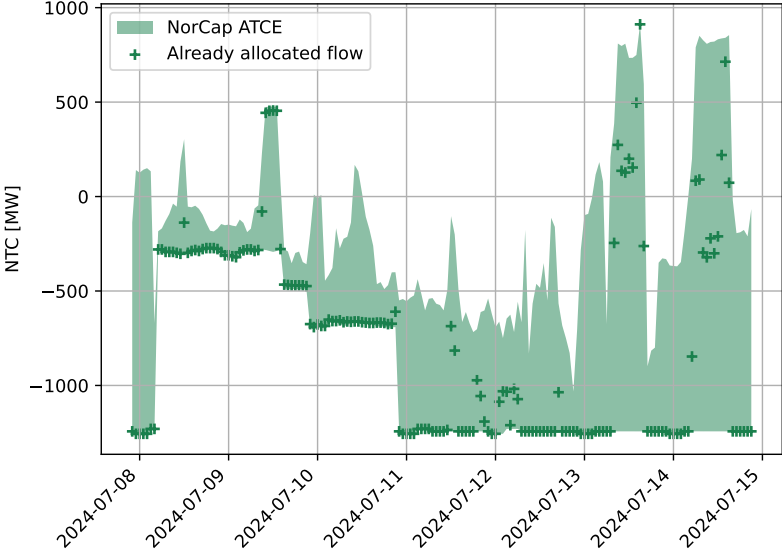
SE4-DK2

NTC SE4-DK2
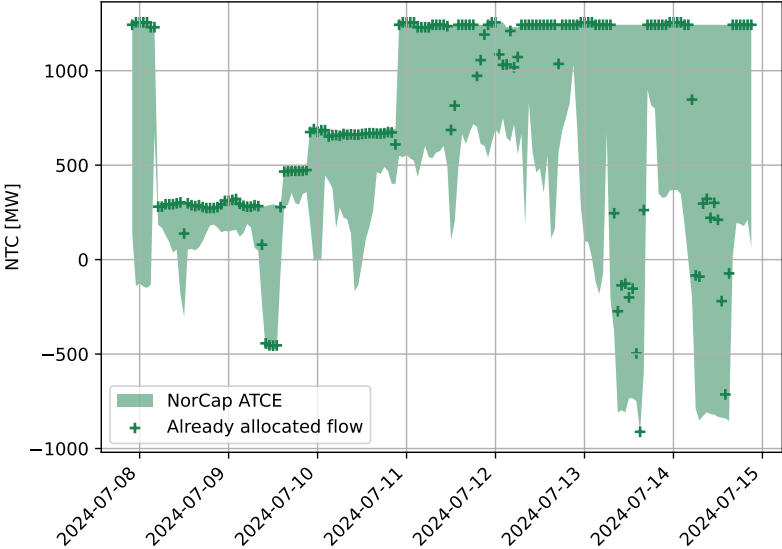
EE-FI

NTC EE-FI
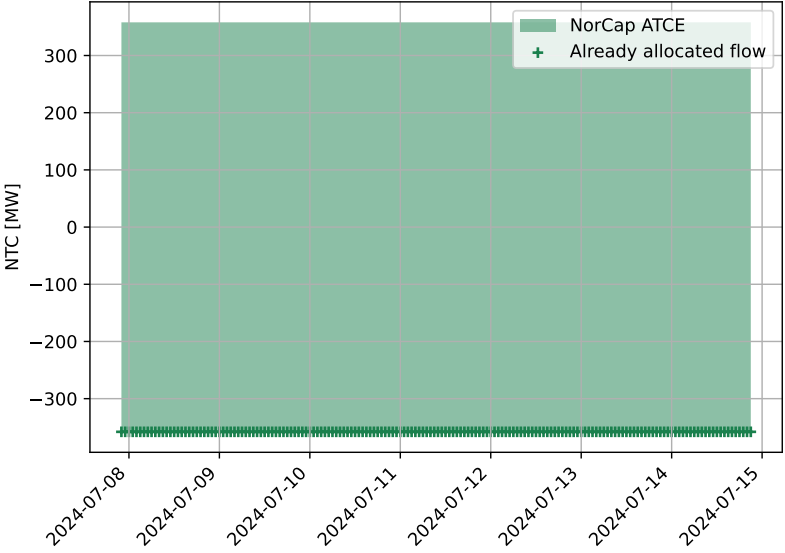
FI-EE

NTC FI-EE
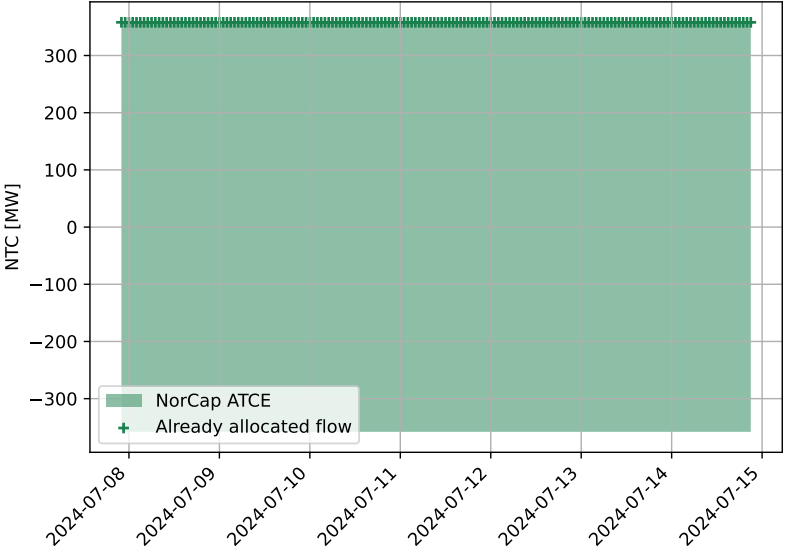
FI-SE1

SE1-FI

FI-SE3

NTC FI-SE3

SE3-FI

NTC SE3-FI

Legend:
- NorCap ATCE
- Already allocated flow

NTC [MW]
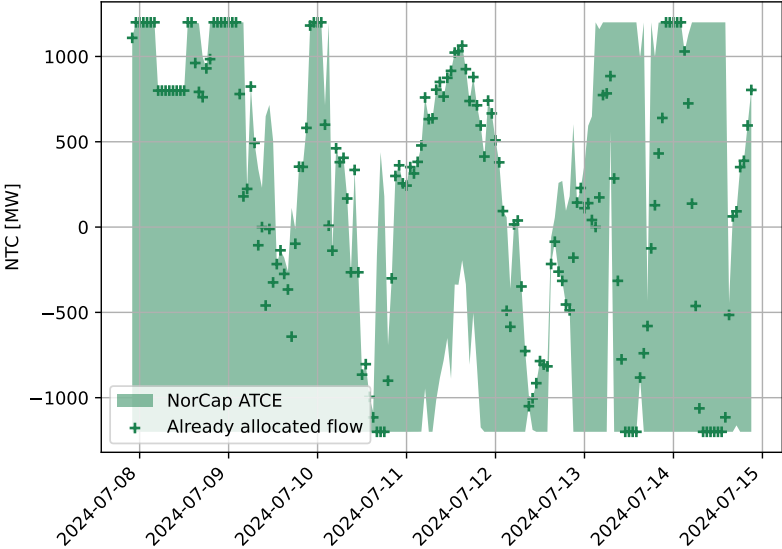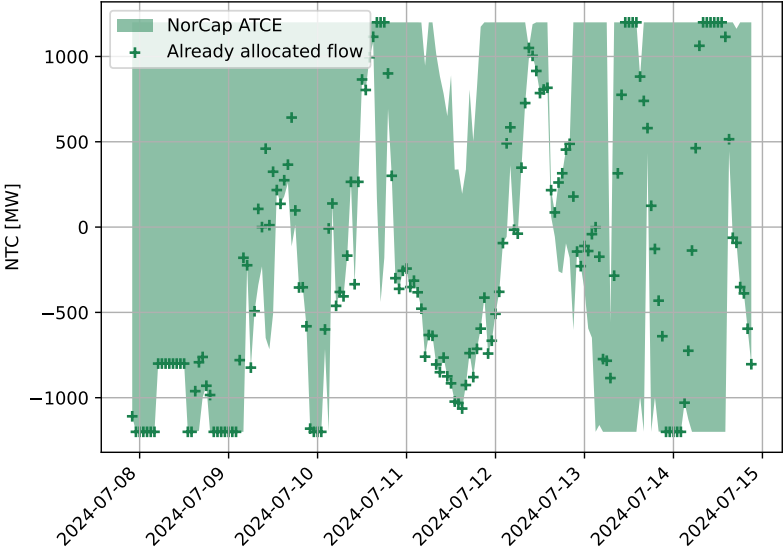
LT-SE4

NTC LT-SE4
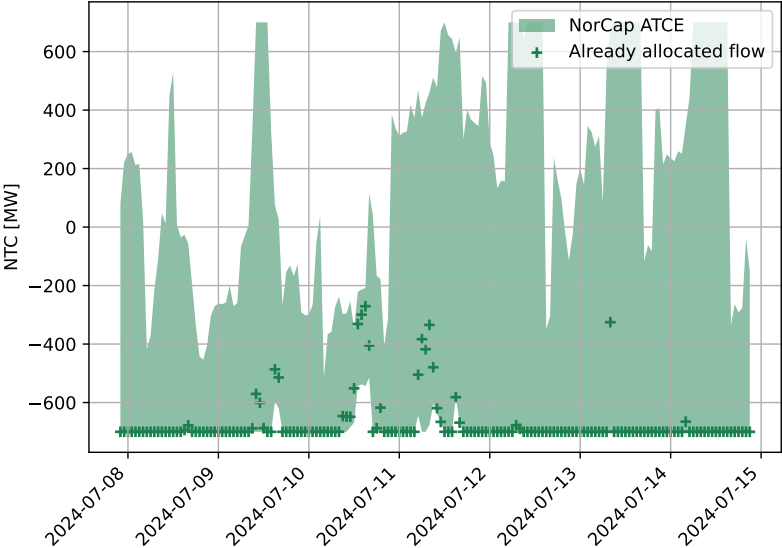
SE4-LT

NTC SE4-LT
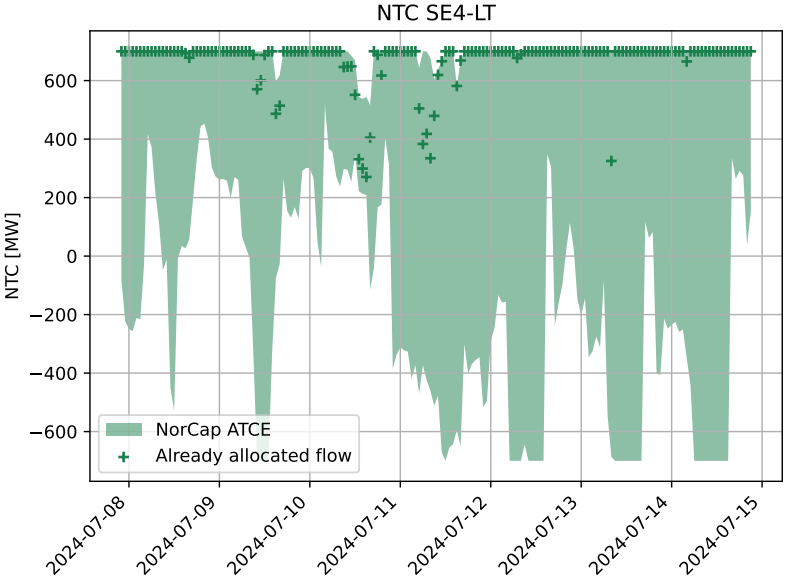
NL-NO2

NTC NL-NO2
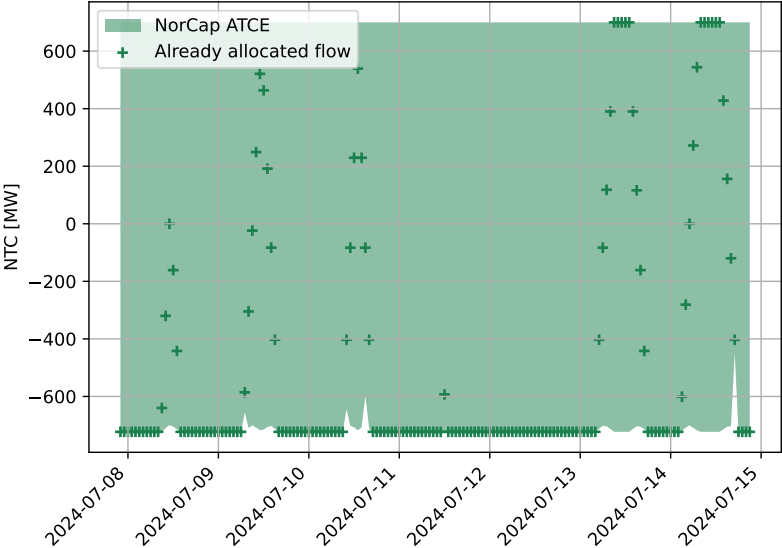
NO2-NL

NTC NO2-NL
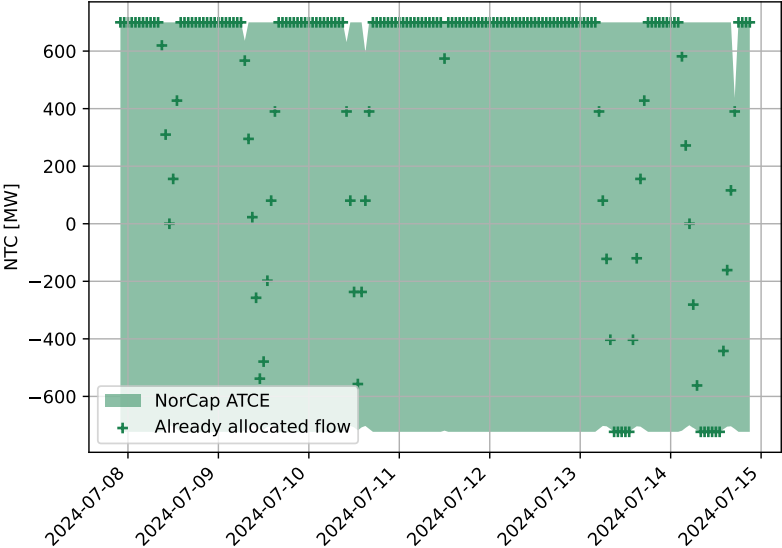
NO1-NO2

NTC NO1-NO2
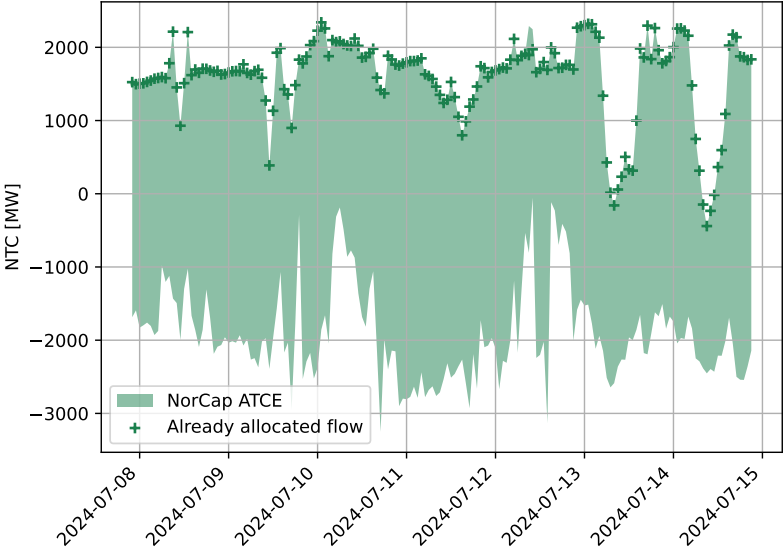
NO2-NO1

NTC NO2-NO1
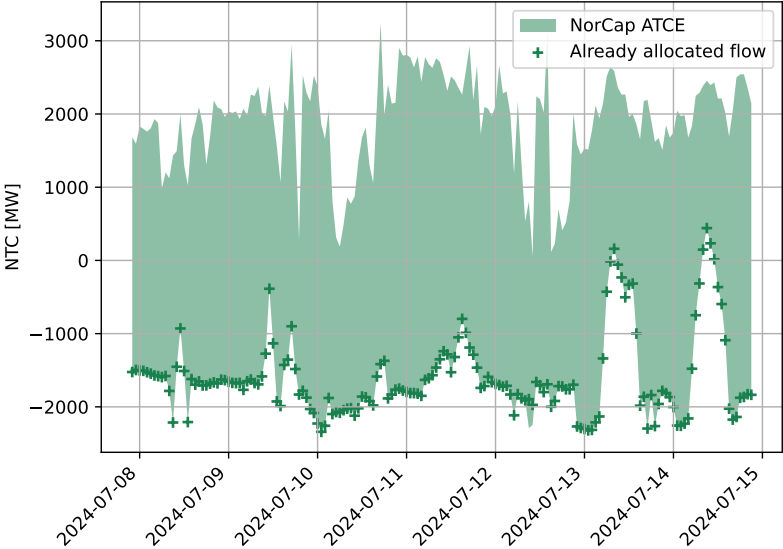
NO1-NO3

NTC NO1-NO3
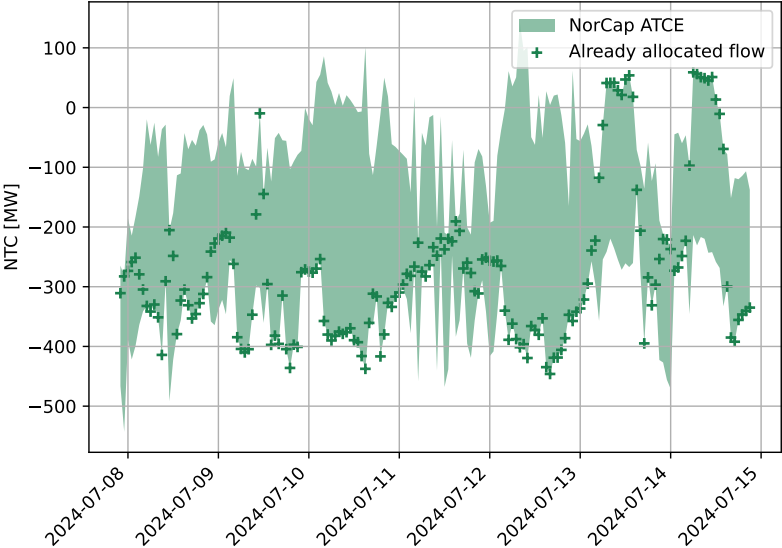
NO3-NO1

NTC NO3-NO1
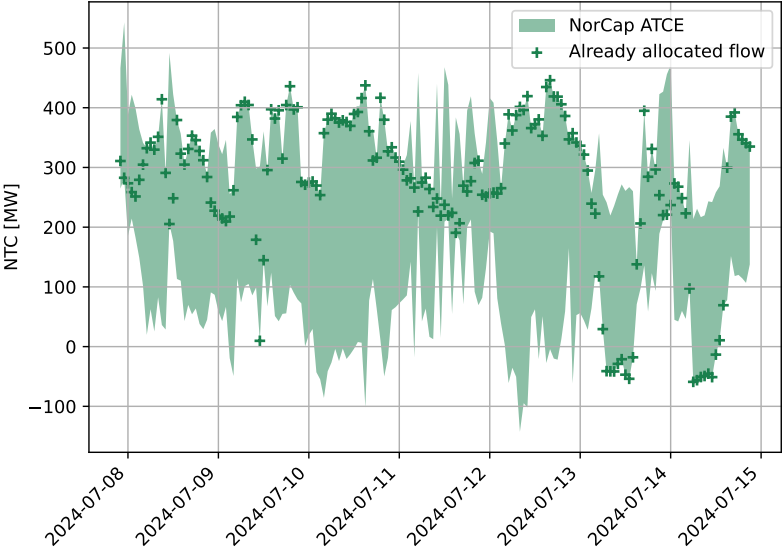
NO1-NO5
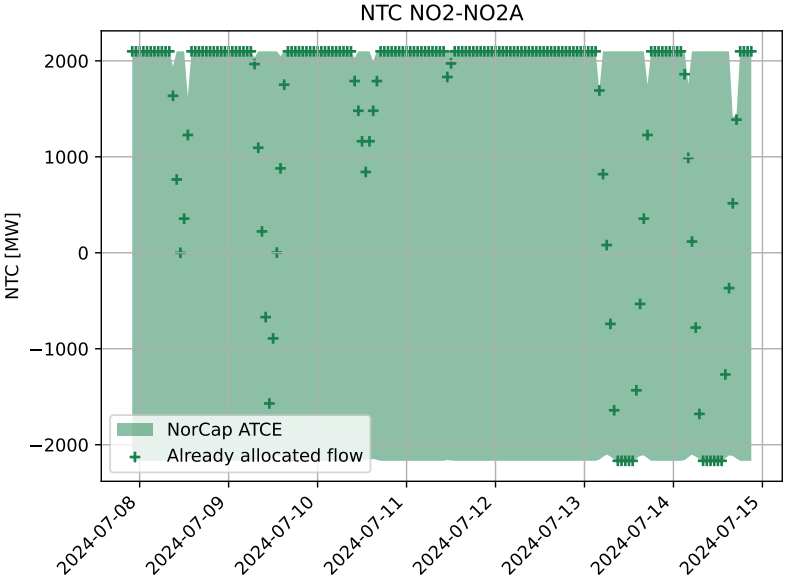

NTC NO1-NO5
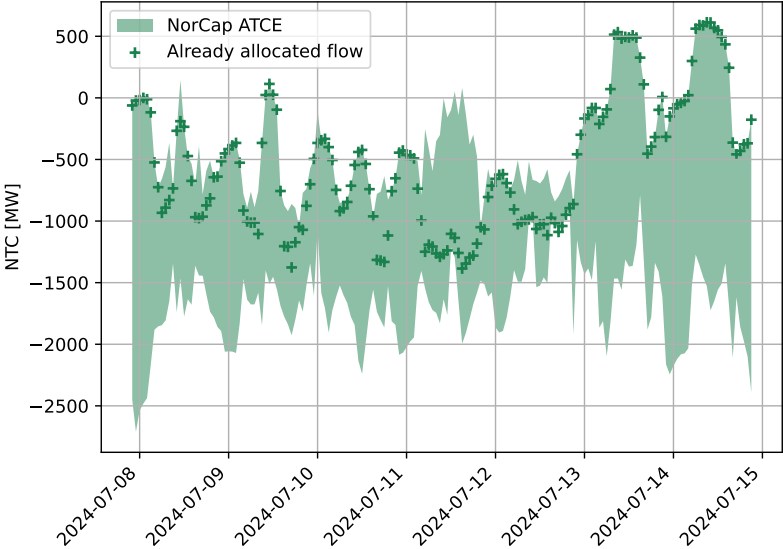
NO5-NO1
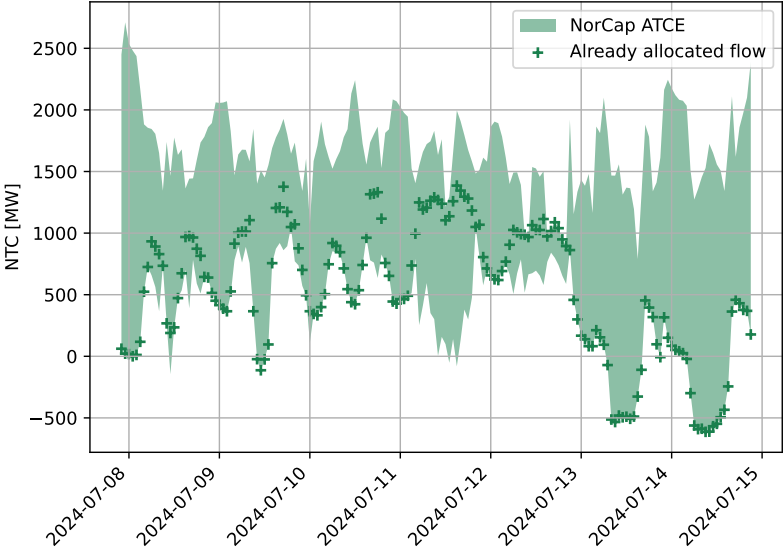
NO1-SE3

NTC NO1-SE3
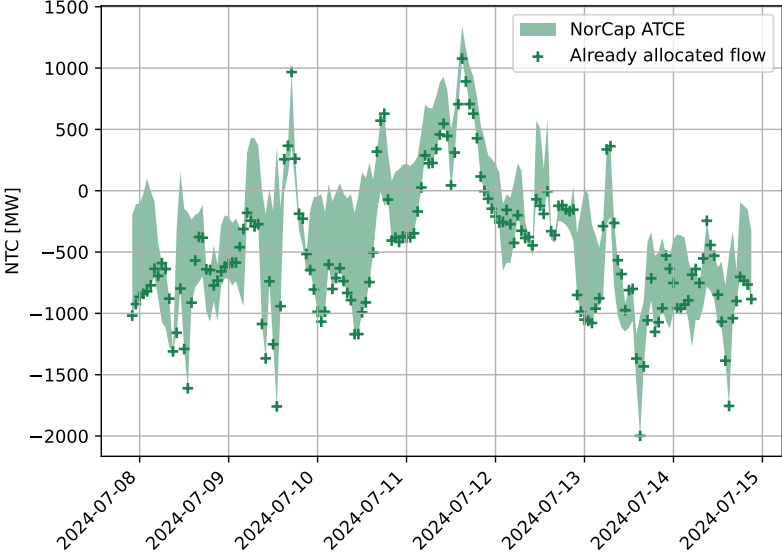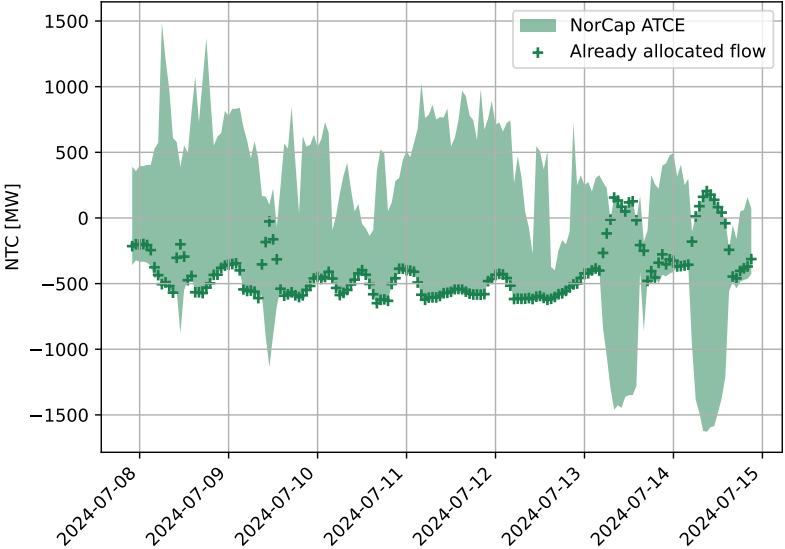
SE3-NO1

NTC SE3-NO1
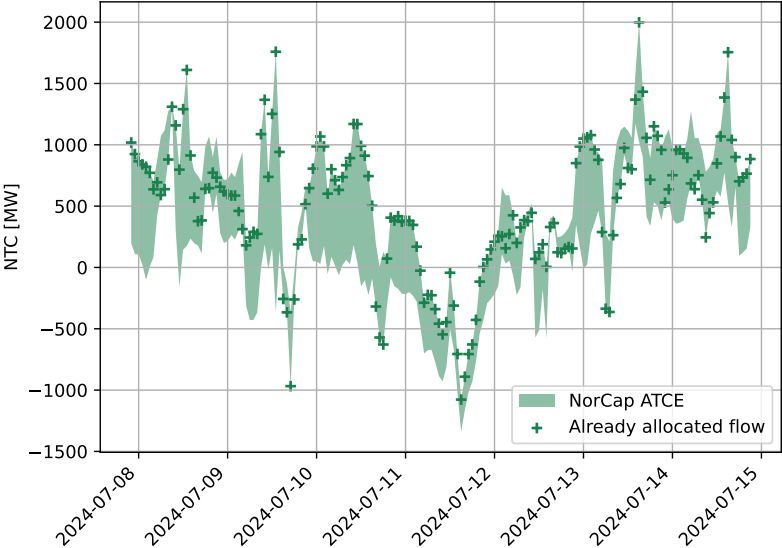
NO2A-NO2
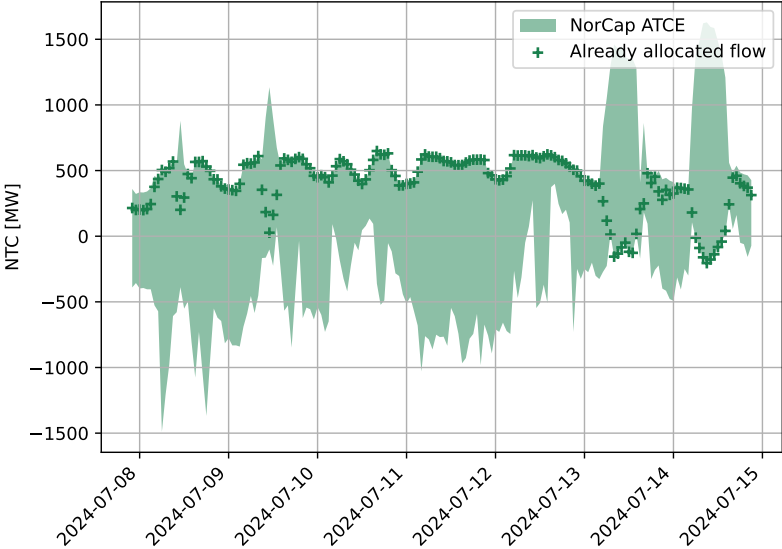

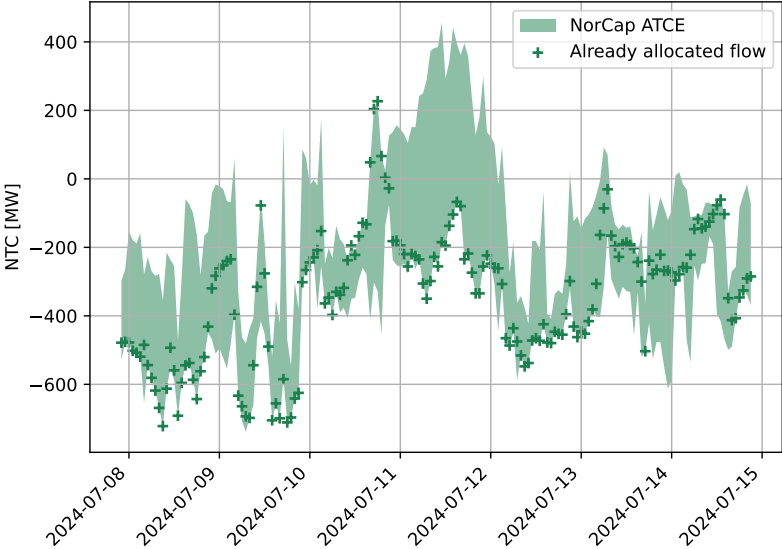
NTC NO2A-NO2
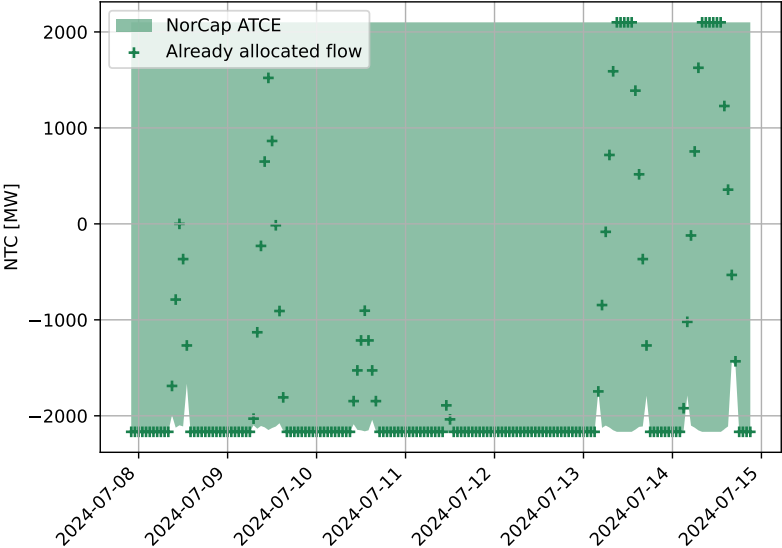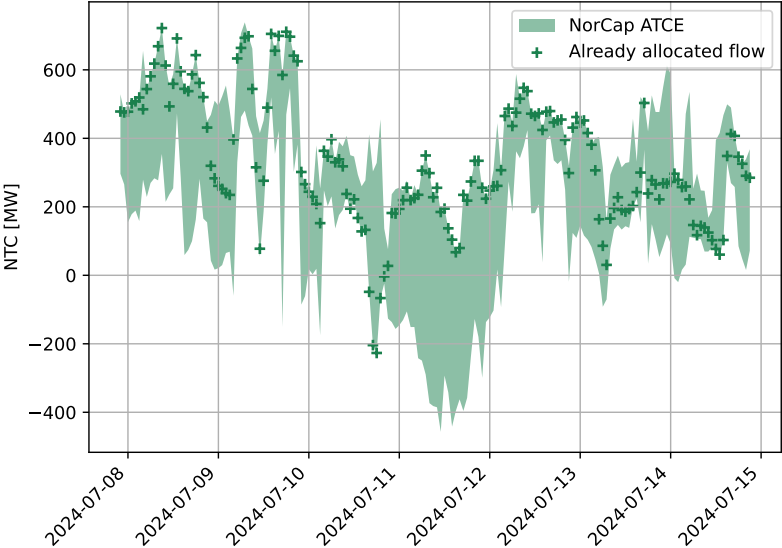
NO2-NO2A

NTC NO2-NO2A
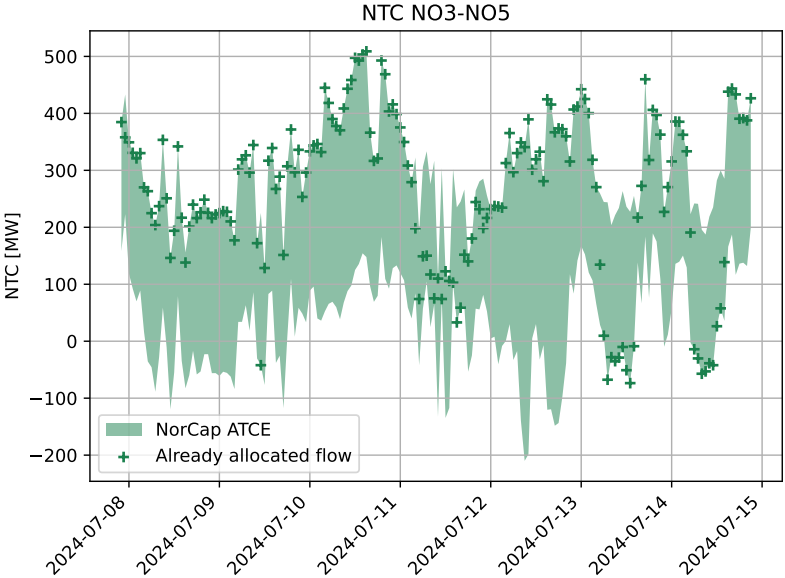
NO2-NO5

NTC NO2-NO5

NO5-NO2

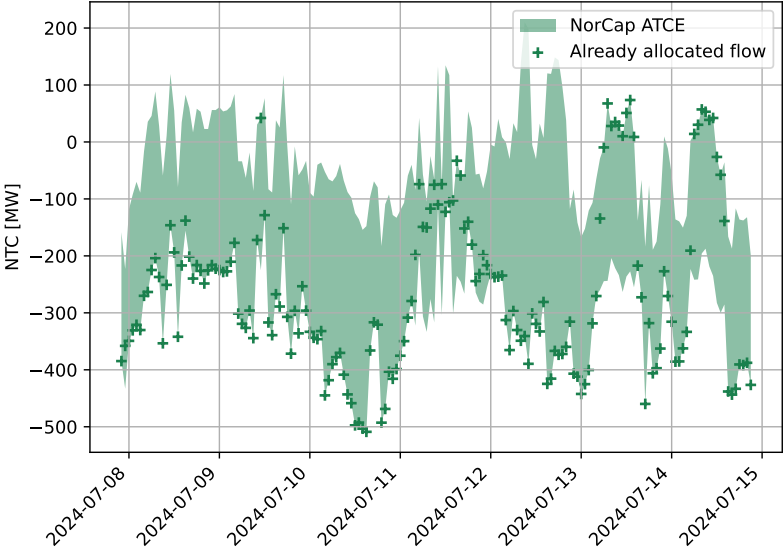NTC NO5-NO2
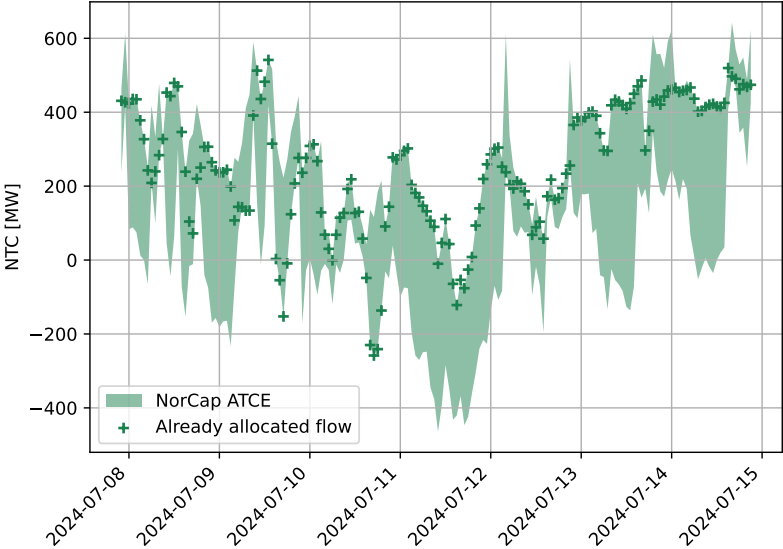
NO3-NO4

NTC NO3-NO4

NO4-NO3
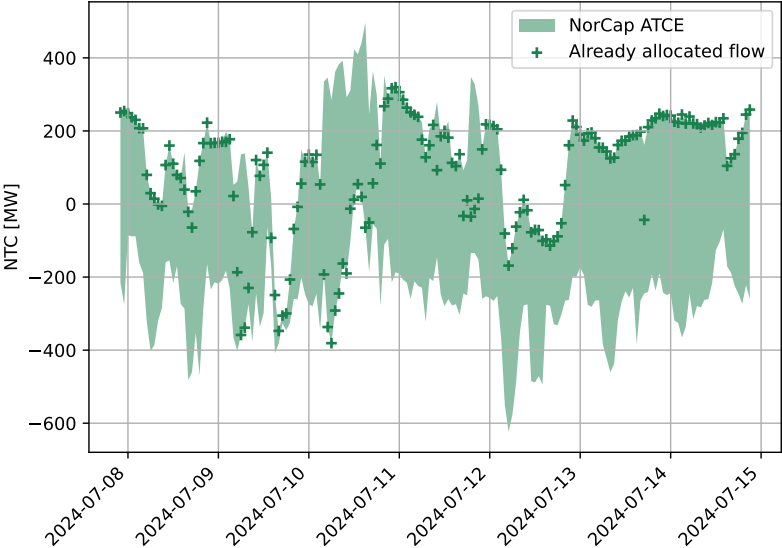
NO3-NO5

NTC NO3-NO5
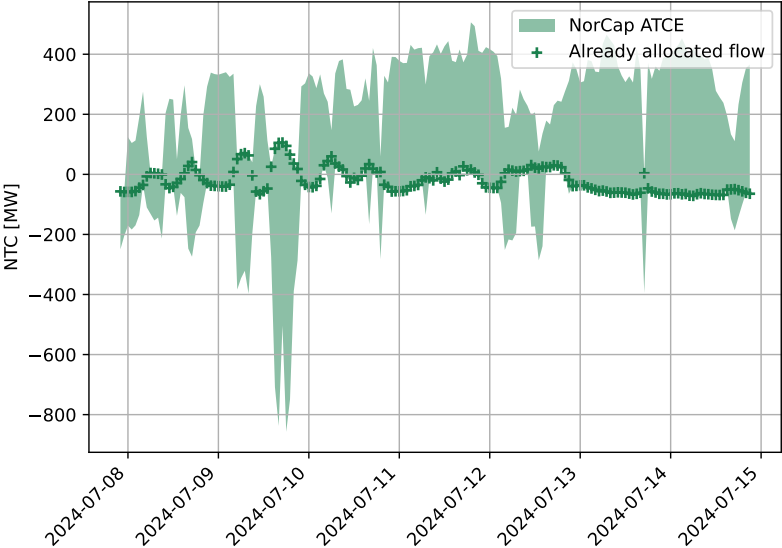
NO5-NO3

NO3-SE2

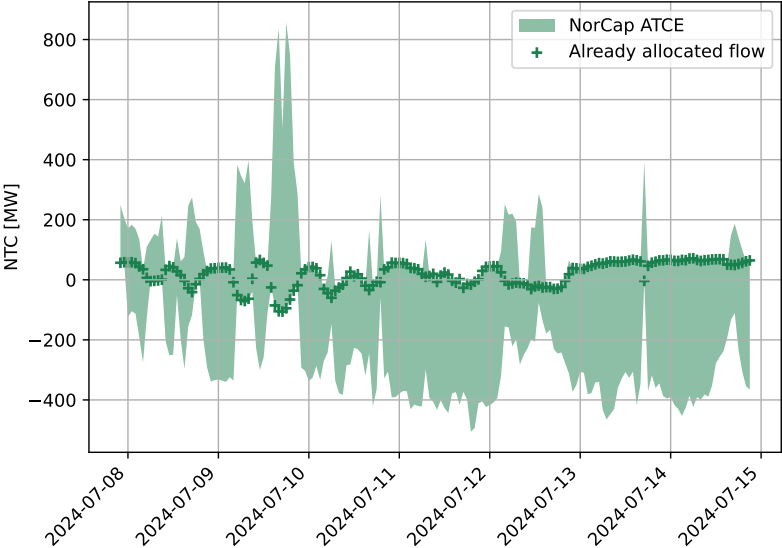

NTC NO3-SE2
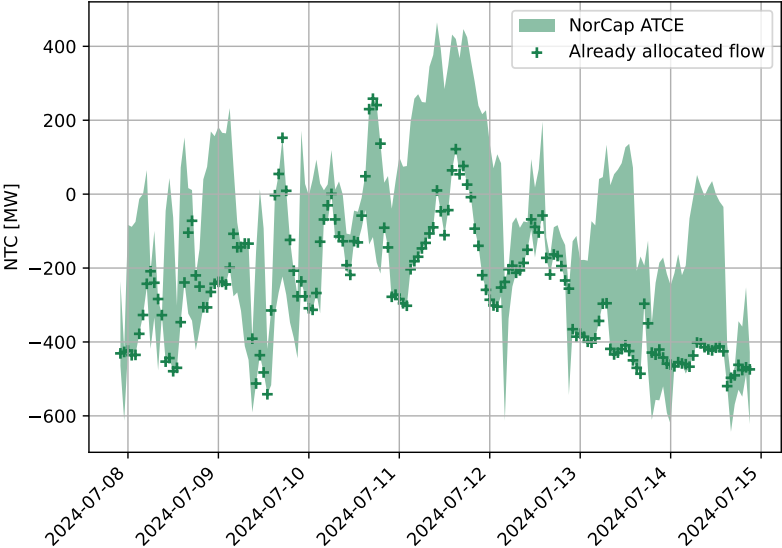
SE2-NO3

NO4-SE1
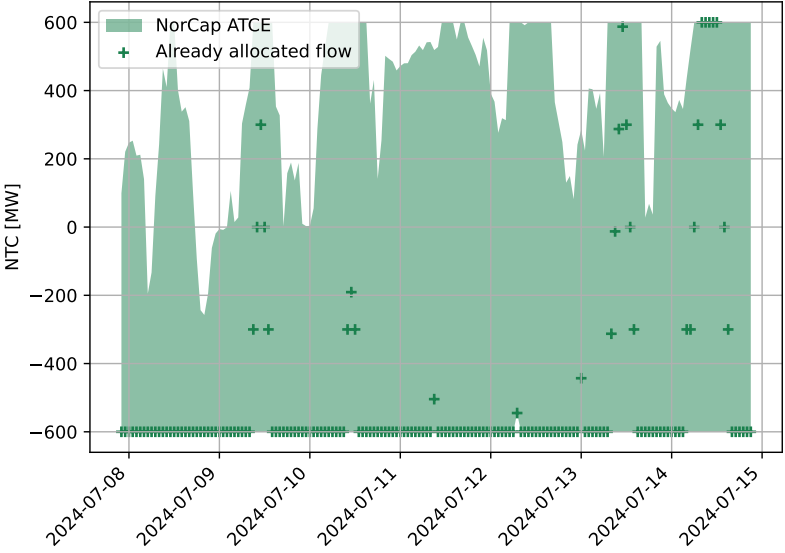

NTC NO4-SE1
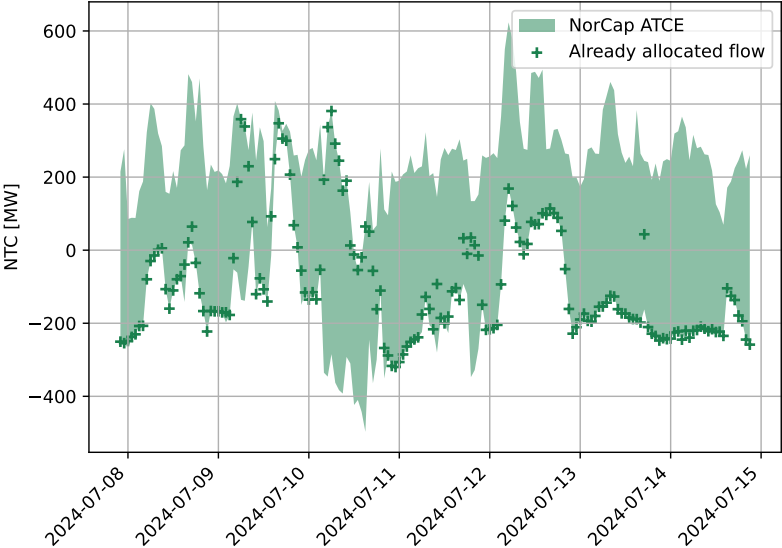
SE1-NO4

NO4-SE2
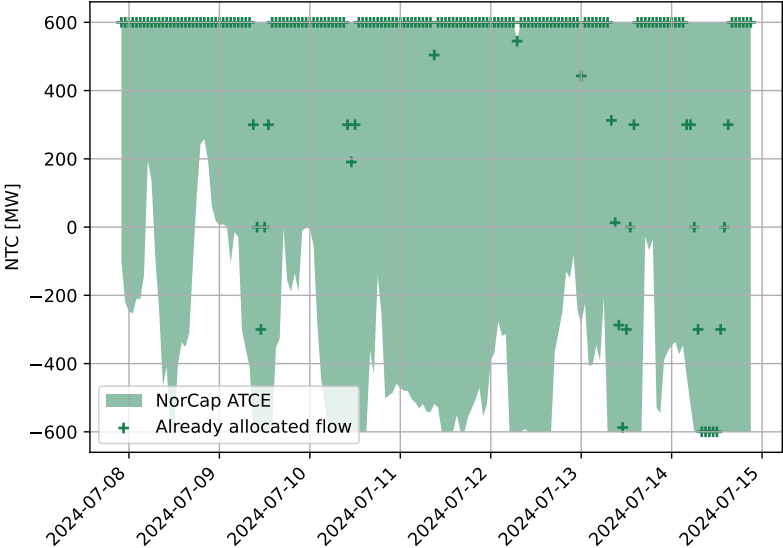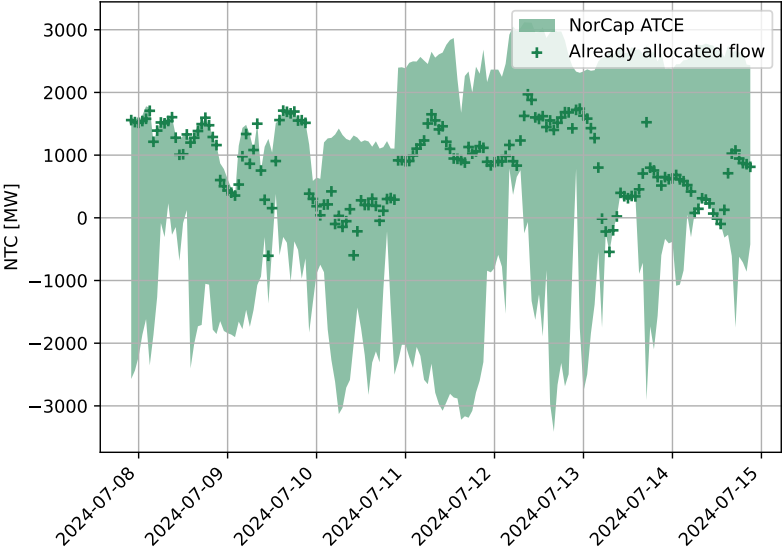

NTC NO4-SE2

SE2-NO4

NTC SE2-NO4
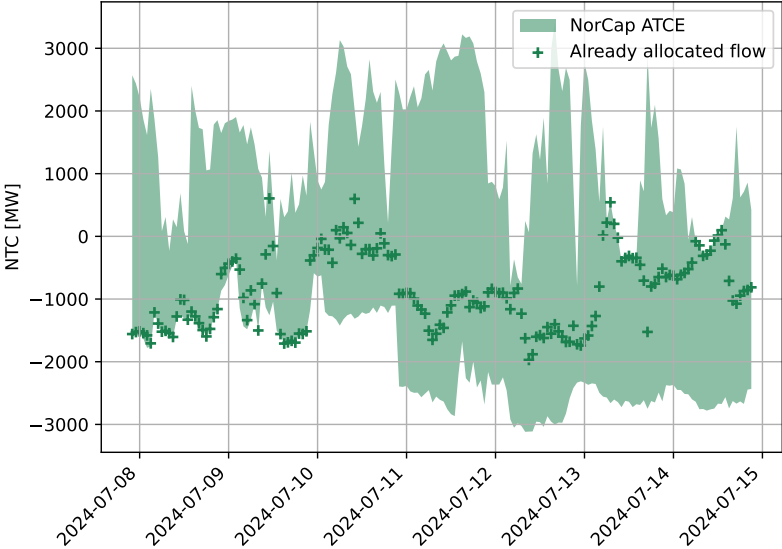
PL-SE4

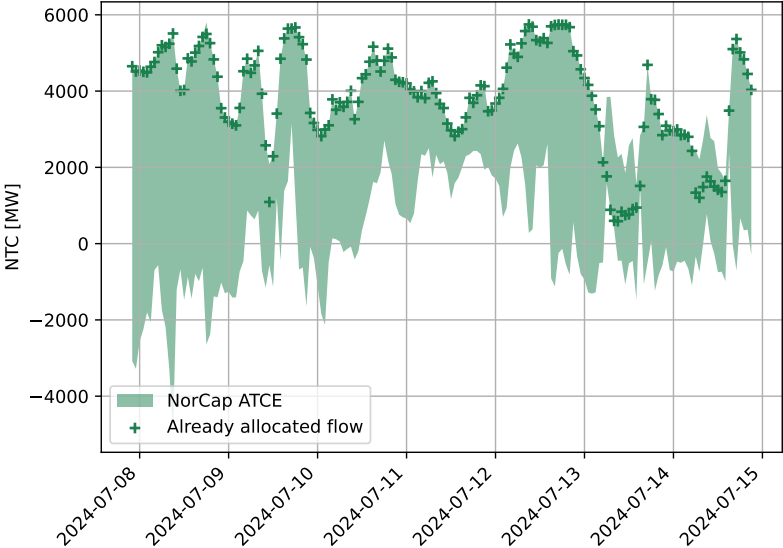NTC PL-SE4

SE4-PL

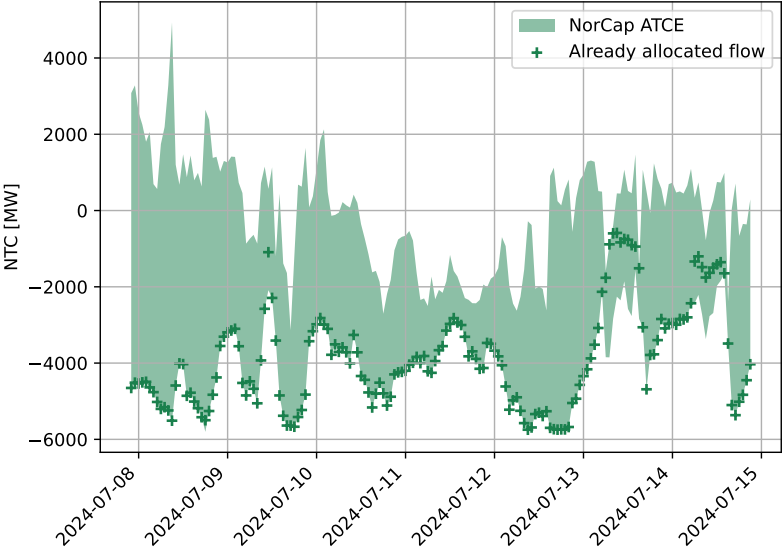
NTC SE4-PL

SE1-SE2

NTC SE1-SE2

SE2-SE1

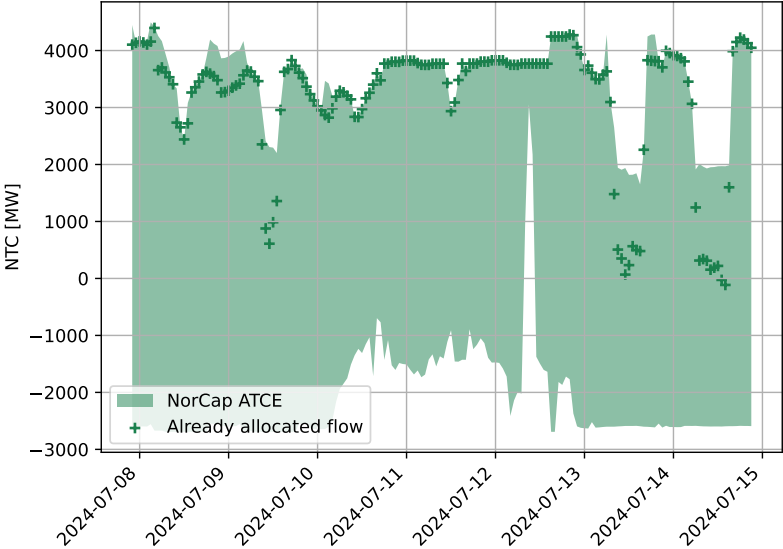NTC SE2-SE1

SE2-SE3

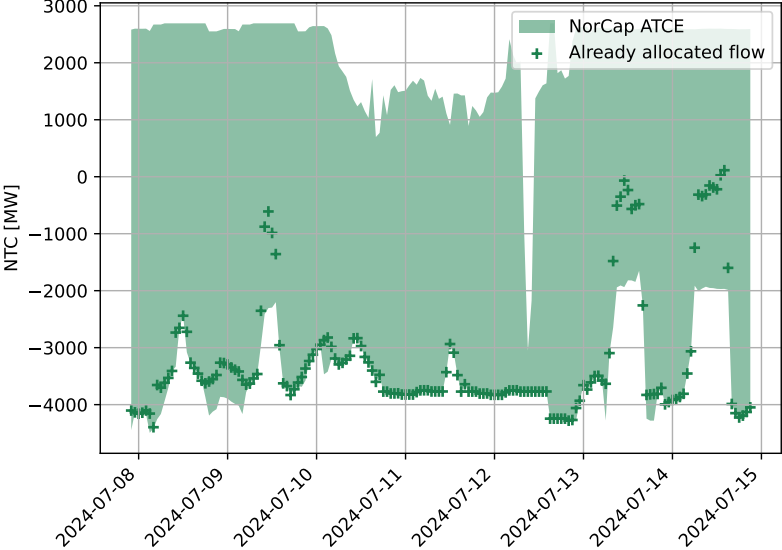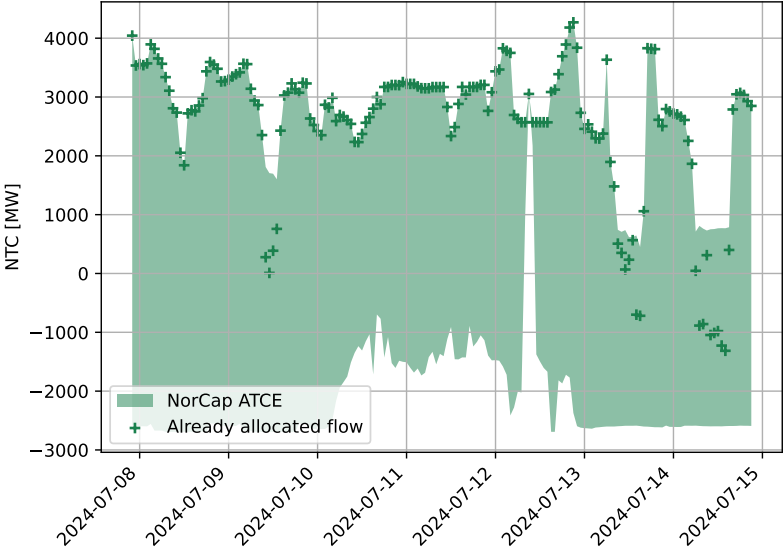NTC SE2-SE3

SE3-SE2

NTC SE3-SE2

SE3-SE4
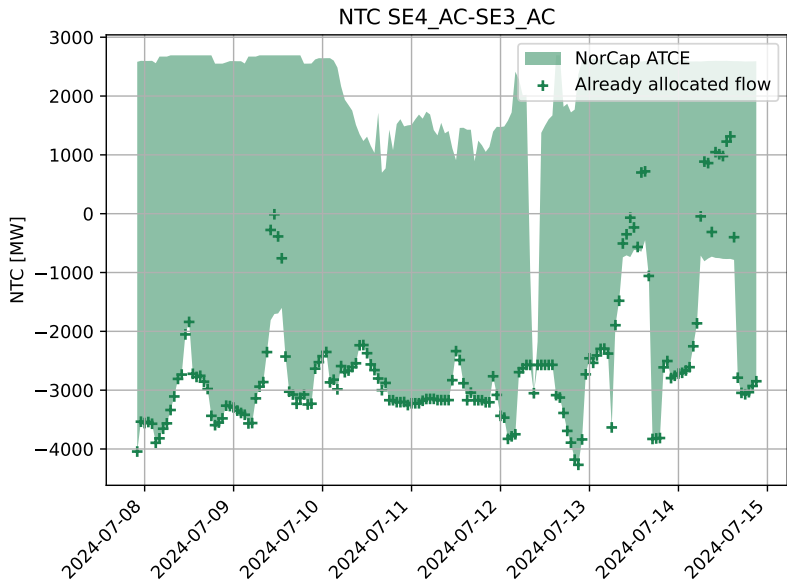

NTC SE3-SE4

SE4-SE3
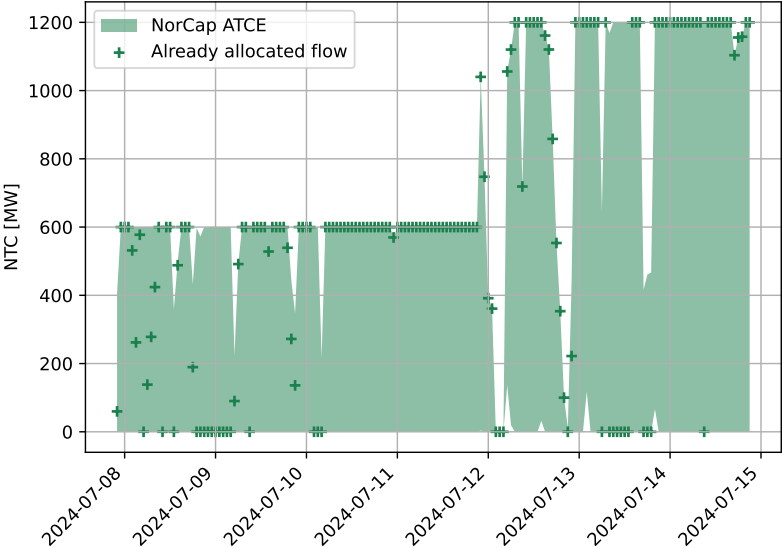

NTC SE4-SE3

SE3_AC-SE4_AC

NTC SE3_AC-SE4_AC

SE4_AC-SE3_AC

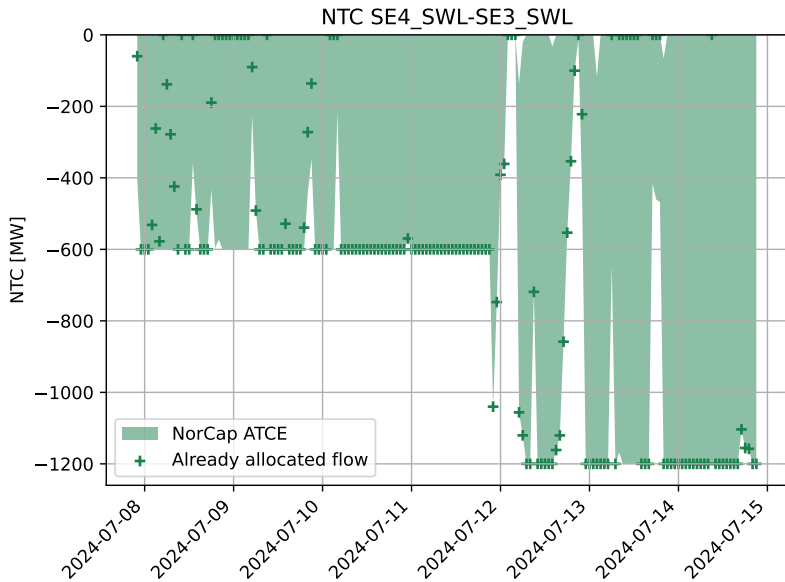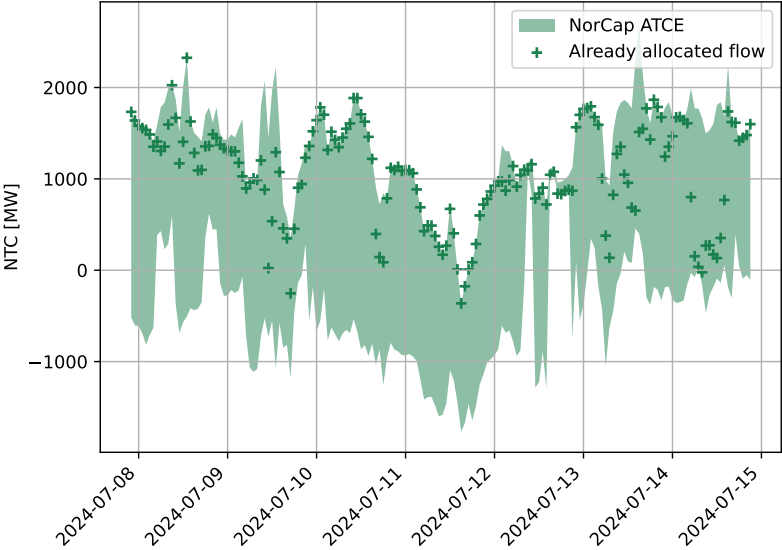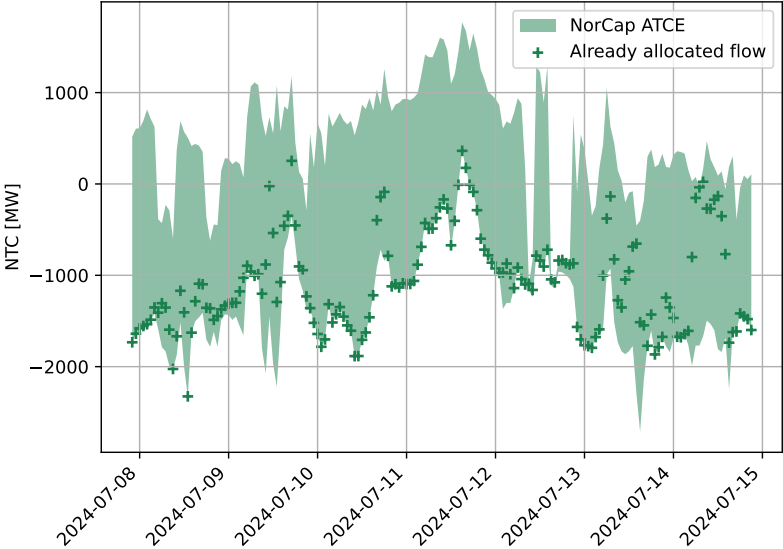# SE3_SWL-SE4_SWL

NTC SE3_SWL-SE4_SWL

SE4_SWL-SE3_SWL

# SE3A-SE3

SE3-SE3A

NTC SE3-SE3A

Bidding zone trading space

The total trading space of a bidding zone for a given MTU is the sum of export capacity and import capacity on all borders of that bidding zone for that MTU. The directional trading space is the sum of ATC on all borders of a bidding zone in either exporting or importing direction.

Disclaimer: Trading space computed by the reference method (i.e. the current method used in production) are calculated from intra-day offered ATCs collected from ENTSO-e transparency platform. It must be noted that the capacities collected at transparency platform are harmonized capacities including limimtations submitted by non-Nordic TSOs and ramping constraints for some HVDCs.
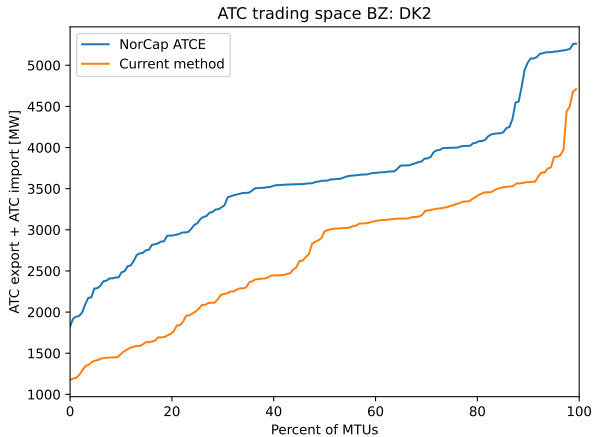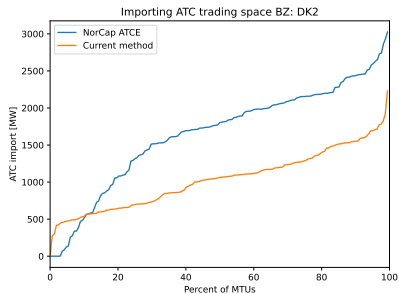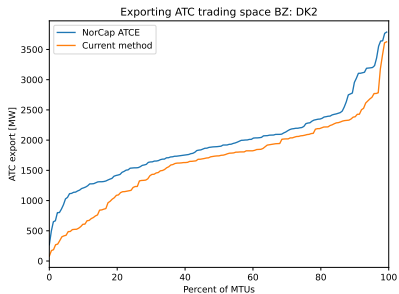
DK1 - Total trading space

ATC trading space BZ: DK1
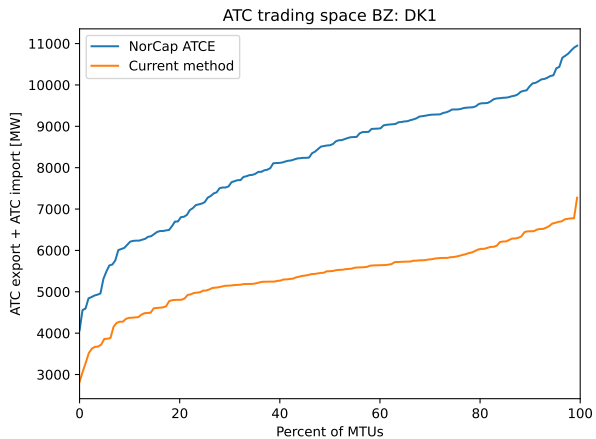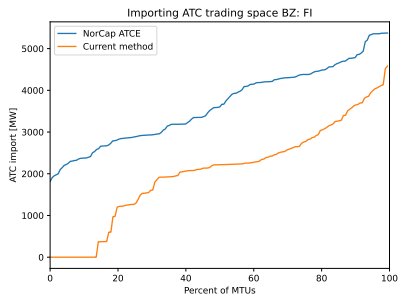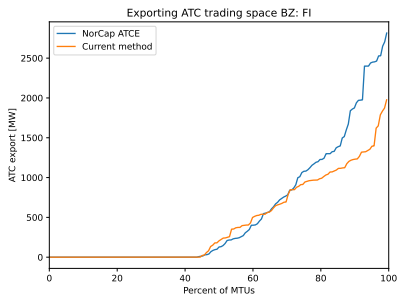
DK1 - Directional trading space
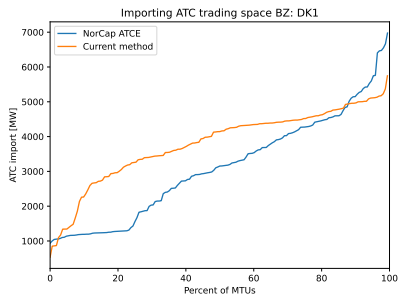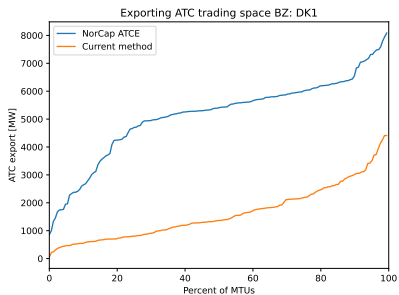
DK2 - Total trading space

ATC trading space BZ: DK2

DK2 - Directional trading space

Exporting ATC trading space BZ: DK2

Importing ATC trading space BZ: DK2

FI - Total trading space
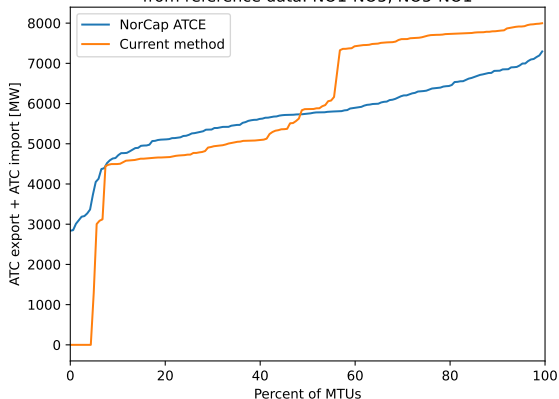

ATC trading space BZ: FI
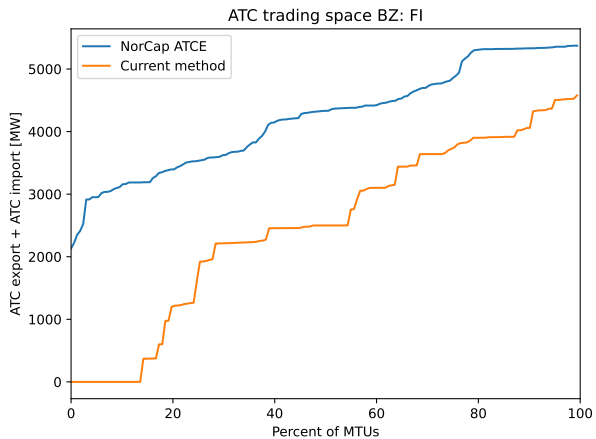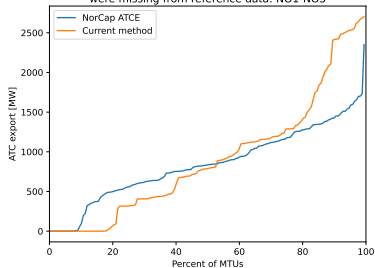
FI - Directional trading space

NO1 - Total trading space

ATC trading space BZ: NO1 Note! Data for following borders were missing from reference data: NO1-NO5, NO5-NO1
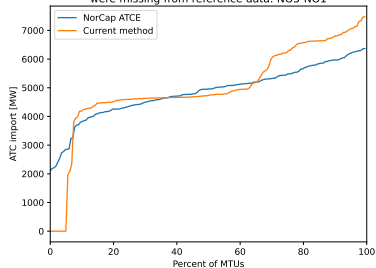
NO1 - Directional trading space

Exporting ATC trading space BZ: NO1 Note! Data for following borders
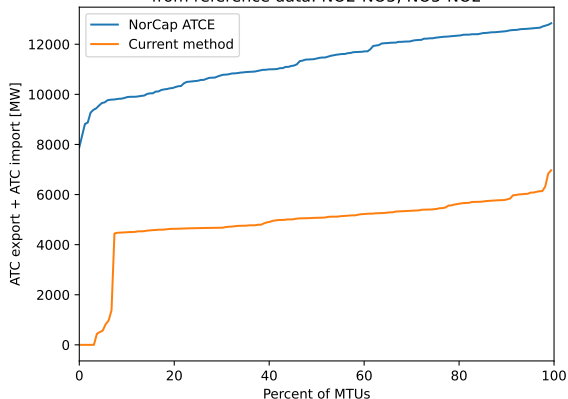were missing from reference data: NO1-NO5

Importing ATC trading space BZ: NO1 Note! Data for following borders
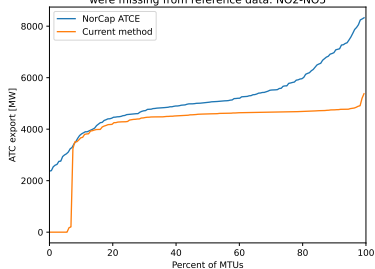were missing from reference data: NO5-NO1

NO2 - Total trading space

ATC trading space BZ: NO2 Note! Data for following borders were missing from reference data: NO2-NO5, NO5-NO2
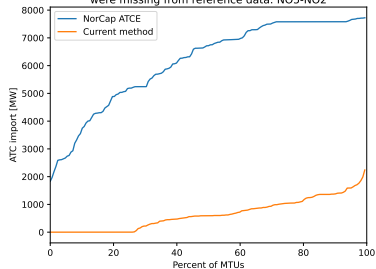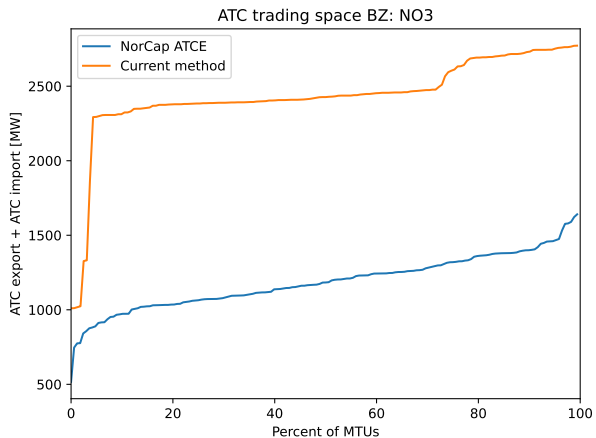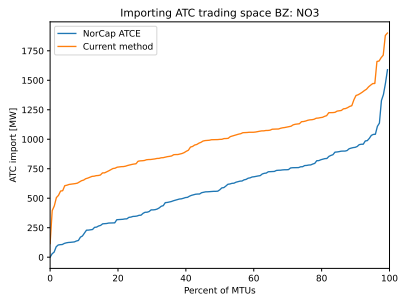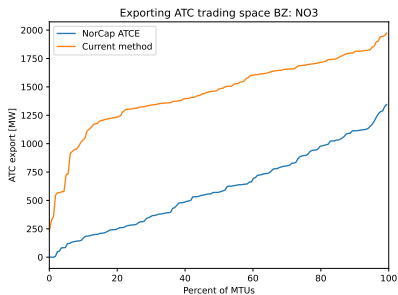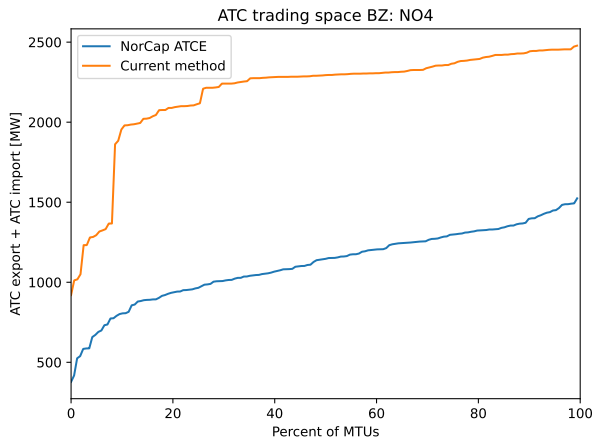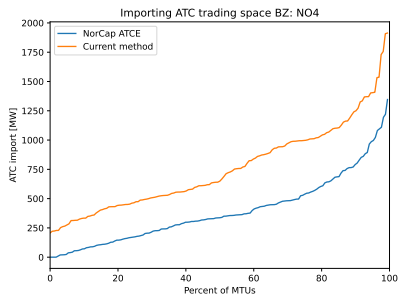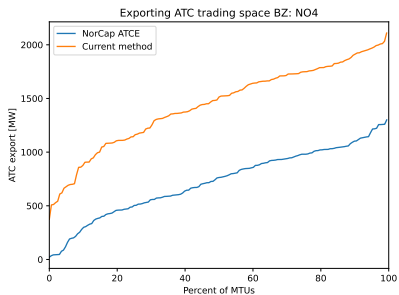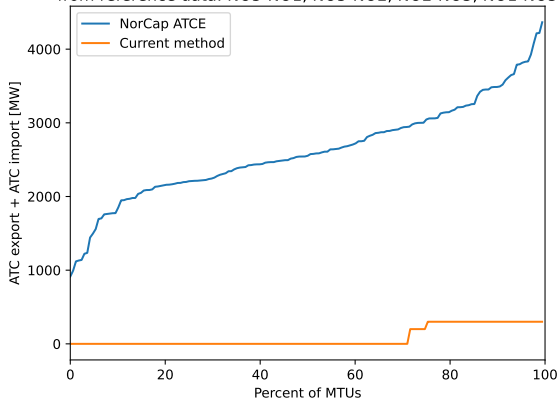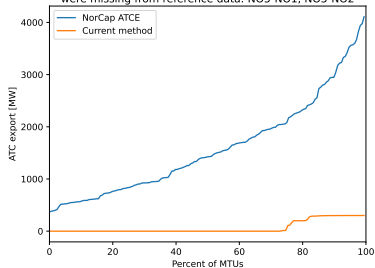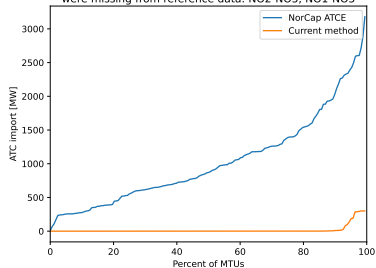
NO2 - Directional trading space

Exporting ATC trading space BZ: NO2 Note! Data for following borders were missing from reference data: NO2-NO5

Importing ATC trading space BZ: NO2 Note! Data for following borders were missing from reference data: NO5-NO2

NO3 - Total trading space

ATC trading space BZ: NO3

NO3 - Directional trading space

NO4 - Total trading space

ATC trading space BZ: NO4

NO4 - Directional trading space

NO5 - Total trading space

ATC trading space BZ: NO5 Note! Data for following borders were missing from reference data: NO5-NO1, NO5-NO2, NO2-NO5, NO1-NO5
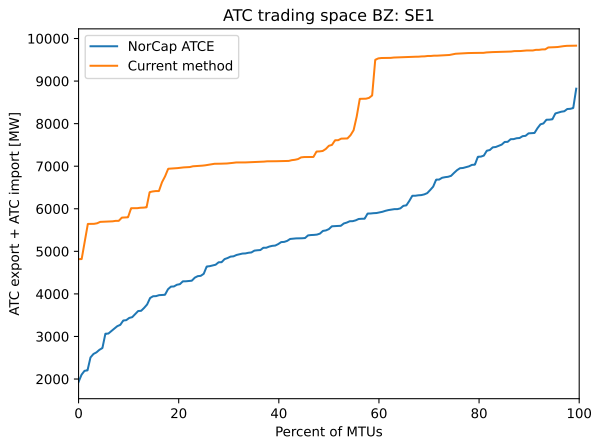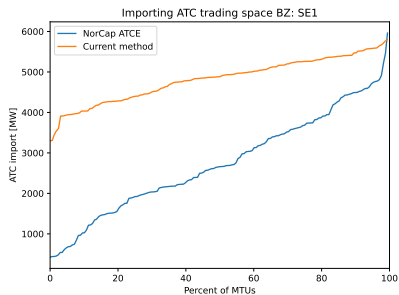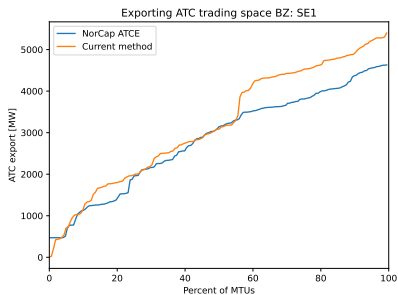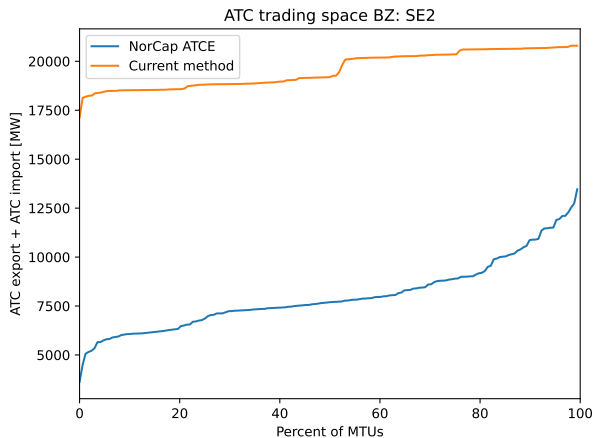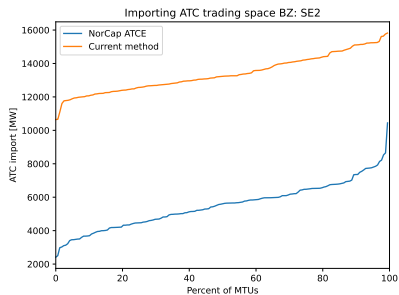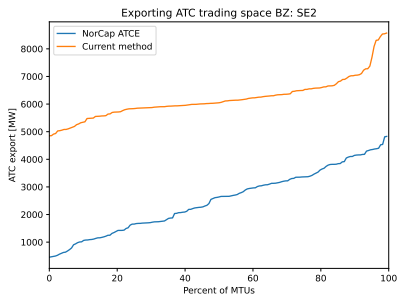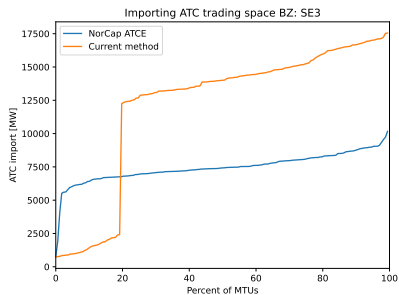
NO5 - Directional trading space

Exporting ATC trading space BZ: NO5 Note! Data for following borders were missing from reference data: NO5-NO1, NO5-NO2

- NorCap ATCE
- Current method

Importing ATC trading space BZ: NO5 Note! Data for following borders were missing from reference data: NO2-NO5, NO1-NO5

- NorCap ATCE
- Current method

SE1 - Total trading space

ATC trading space BZ: SE1

SE1 - Directional trading space

SE2 - Total trading space

ATC trading space BZ: SE2

SE2 - Directional trading space

SE3 - Total trading space
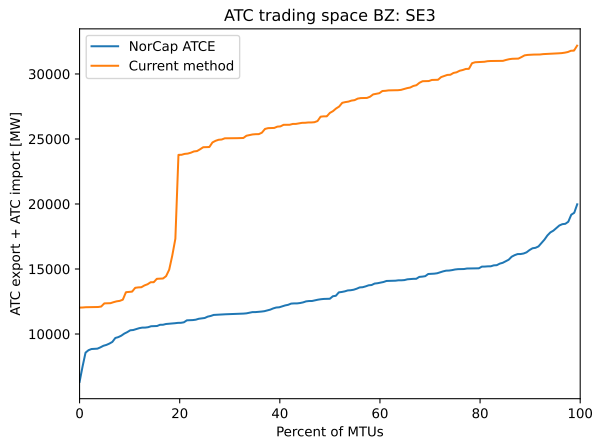
SE3 - Directional trading space
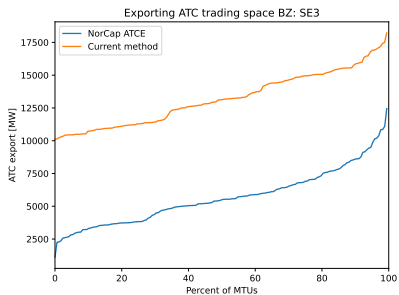
SE4 - Total trading space
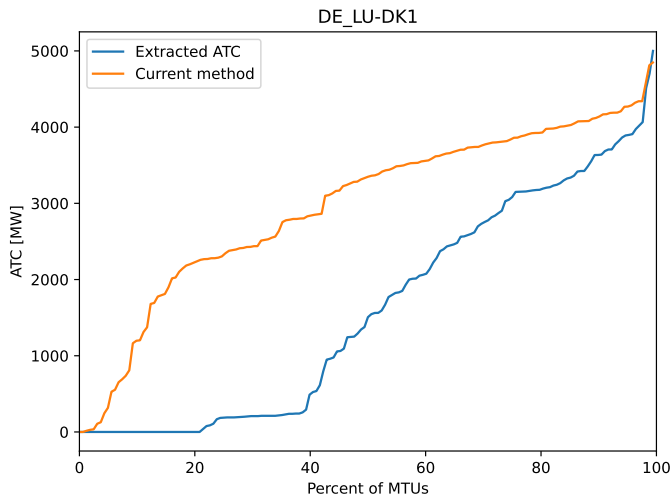

ATC trading space BZ: SE4
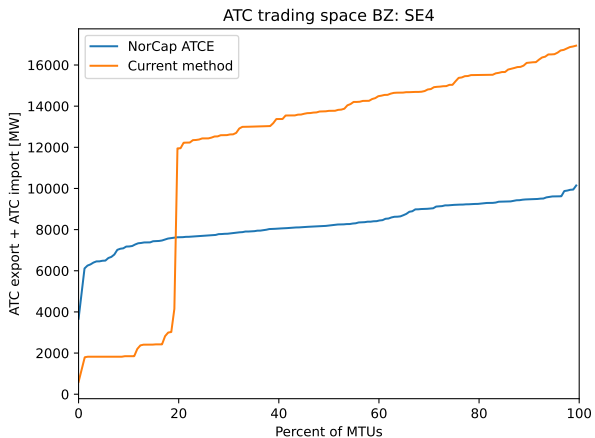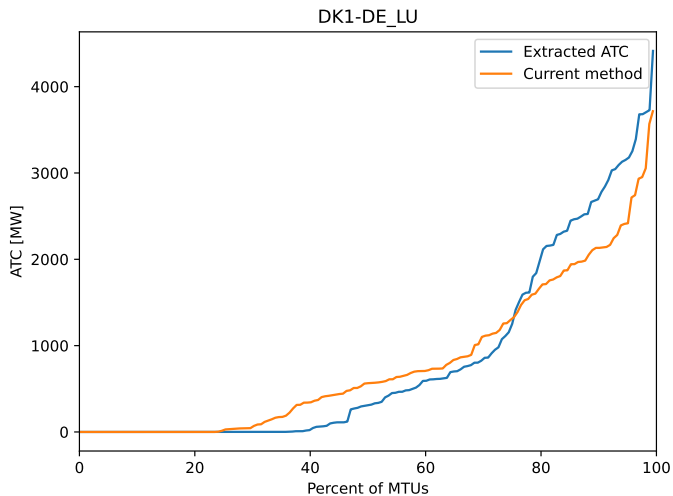
SE4 - Directional trading space
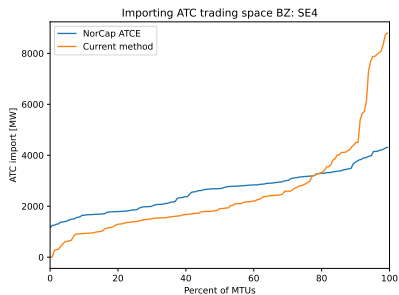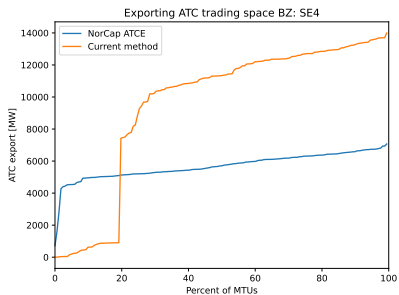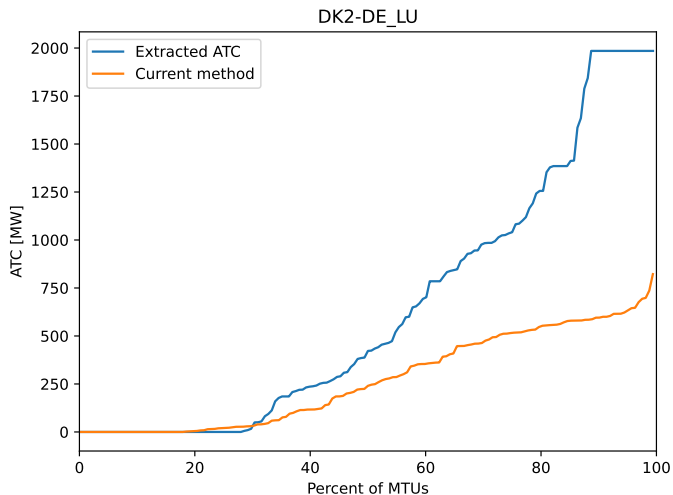
Capacity duration curves

DE_LU-DK1 ATC duration curves

DK1-DE_LU ATC duration curves

DK1-DE_LU

DE_LU-DK2 ATC duration curves

DE_LU-DK2
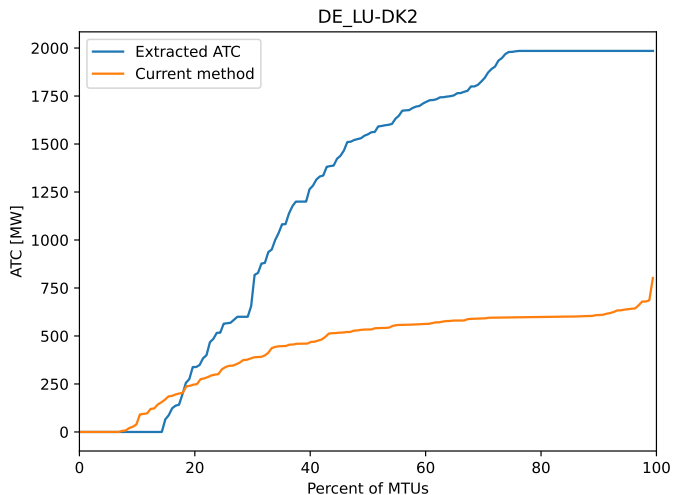
DK2-DE_LU ATC duration curves

DK2-DE_LU

DE_LU-NO2 ATC duration curves

DE_LU-NO2
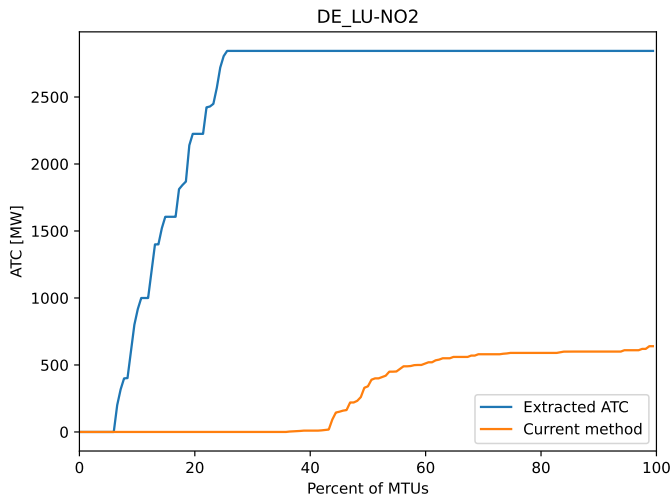
NO2-DE_LU ATC duration curves

NO2-DE_LU
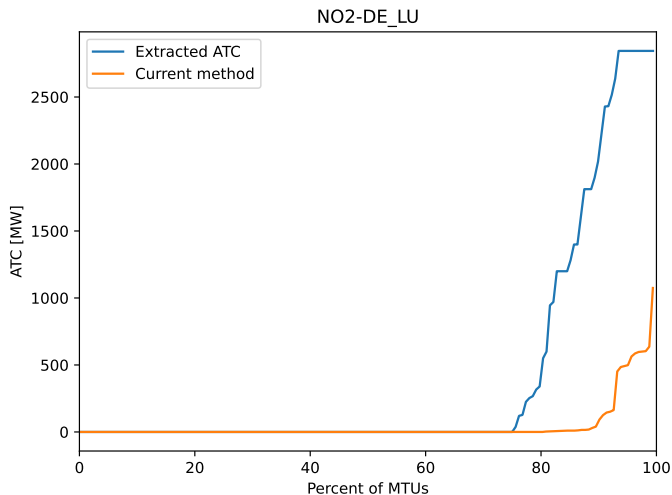
DK1-DK2 ATC duration curves

DK1-DK2
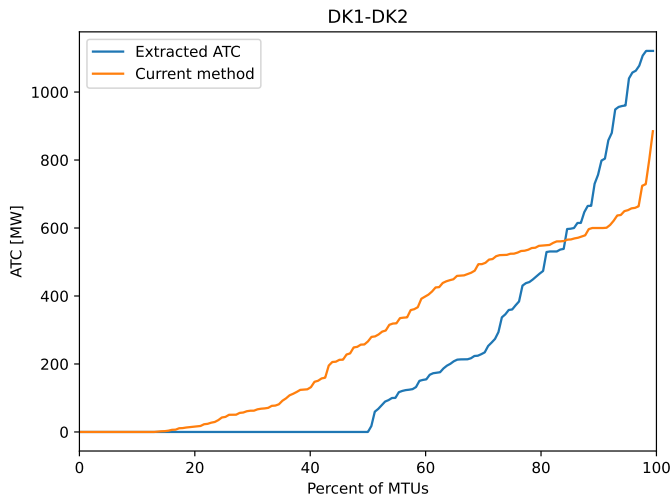
DK2-DK1 ATC duration curves
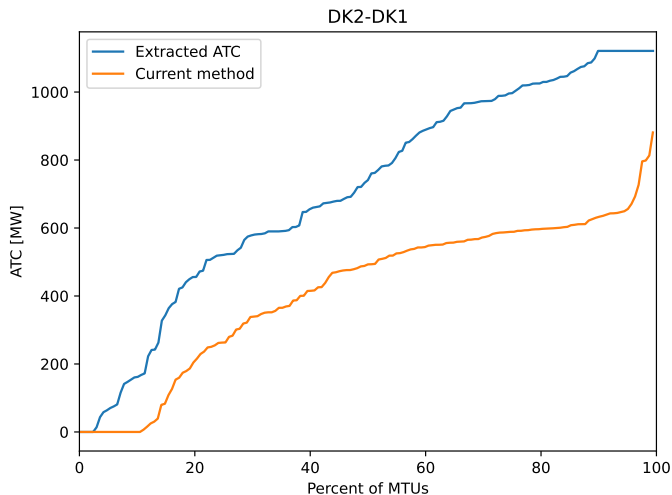
DK1-NL ATC duration curves

DK1-NL
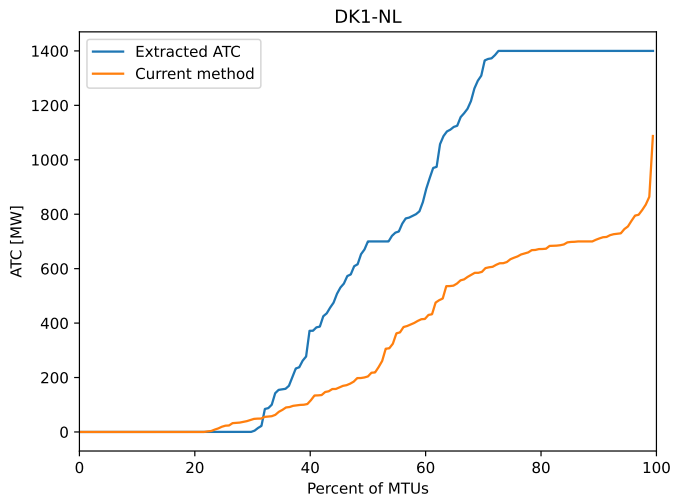
NL-DK1 ATC duration curves

NL-DK1
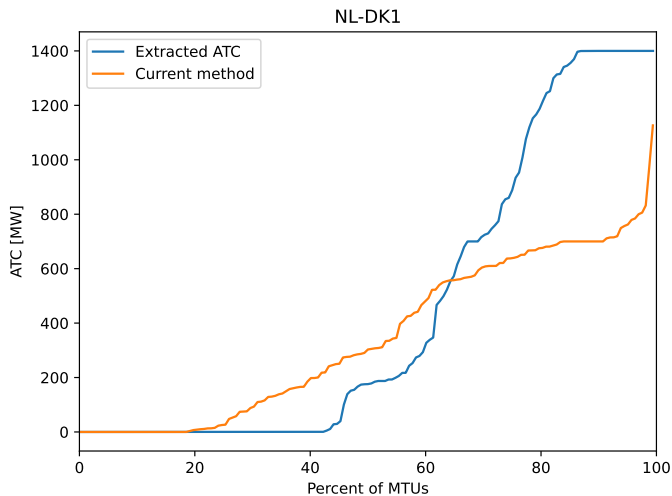
DK1-NO2 ATC duration curves
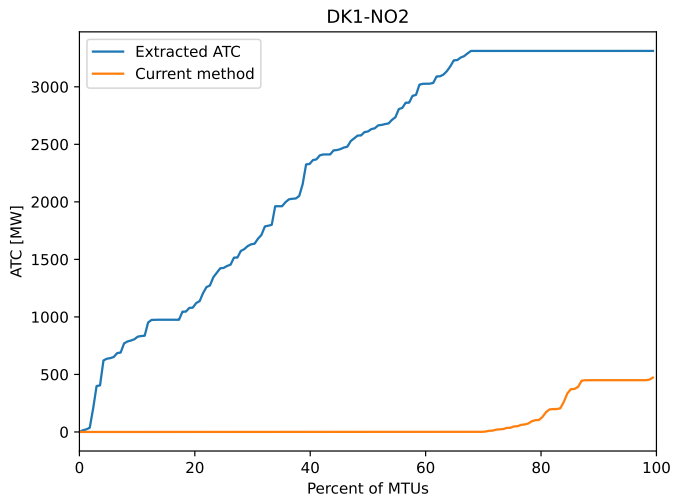
NO2-DK1 ATC duration curves
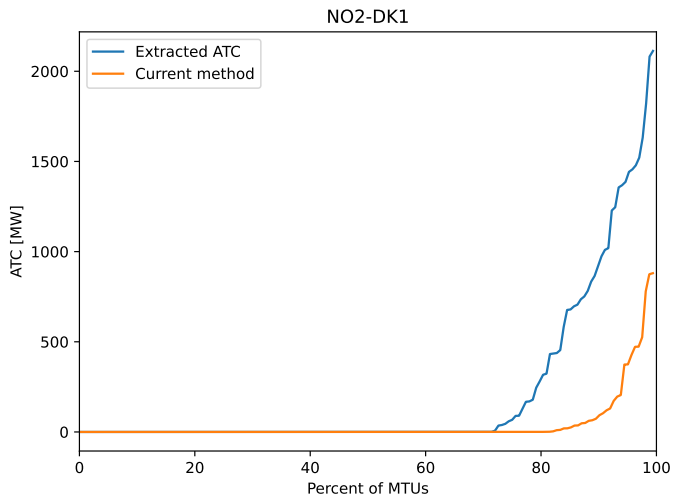
DK1-SE3 ATC duration curves

DK1-SE3
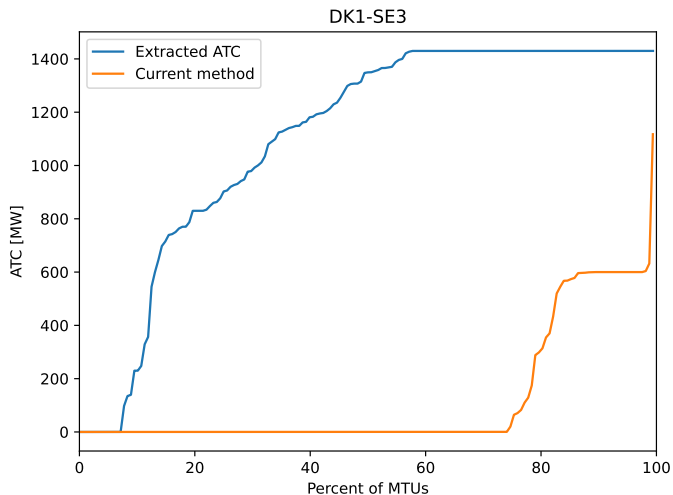
SE3-DK1 ATC duration curves

SE3-DK1
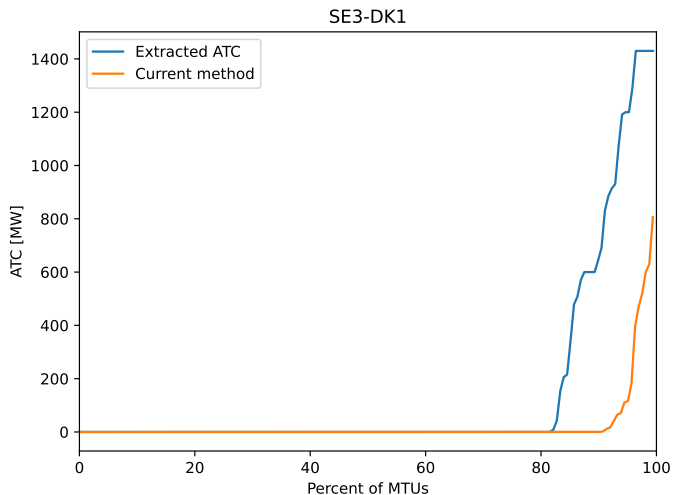
DK2-SE4 ATC duration curves

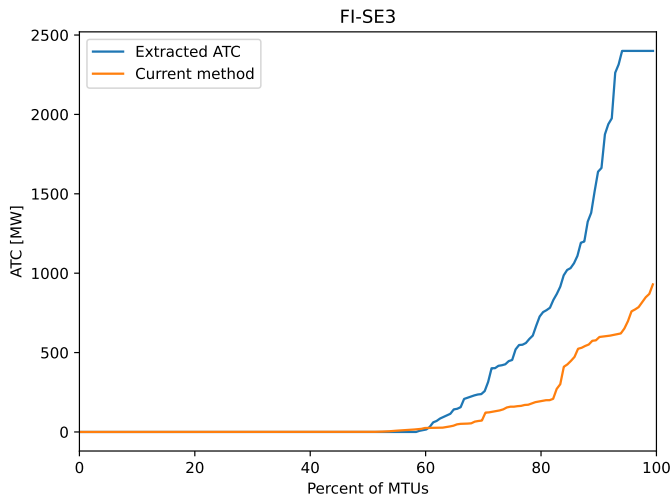

DK2-SE4
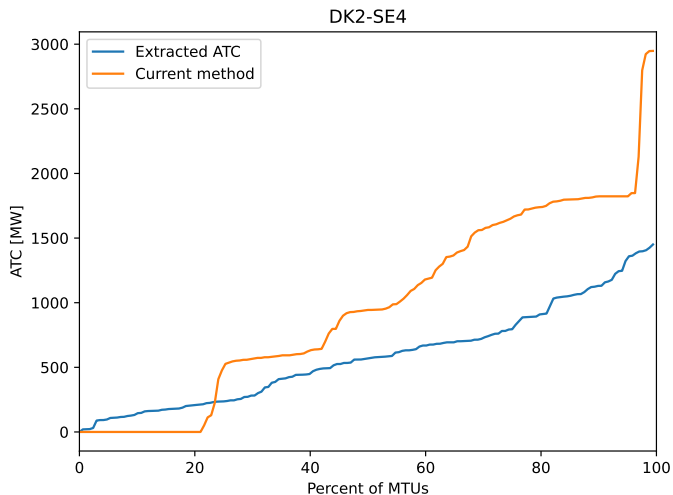
SE4-DK2 ATC duration curves
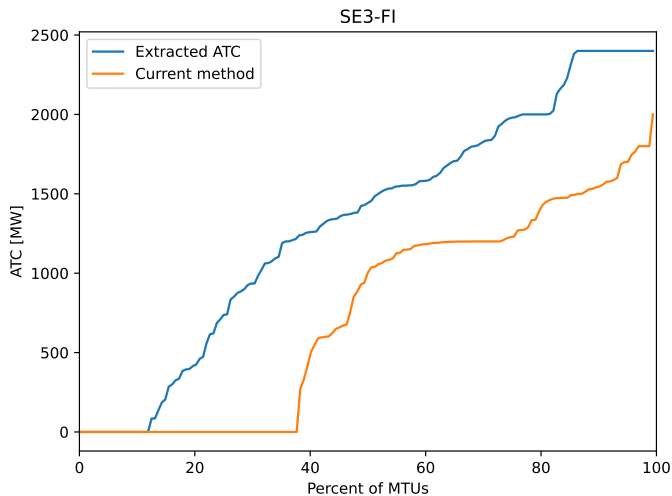

SE4-DK2
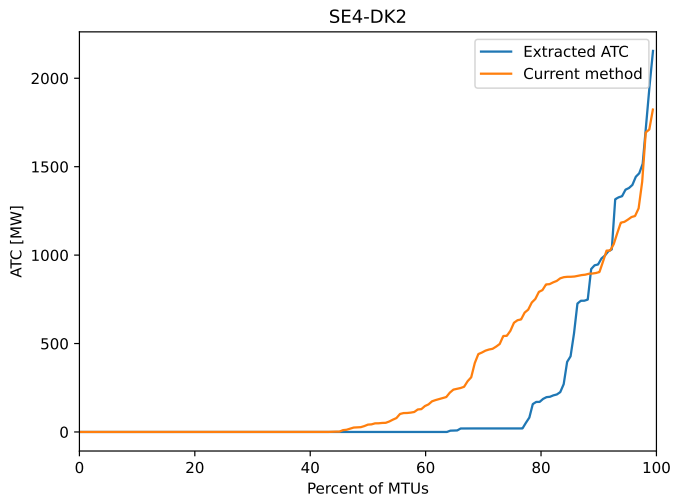
EE-FI ATC duration curves
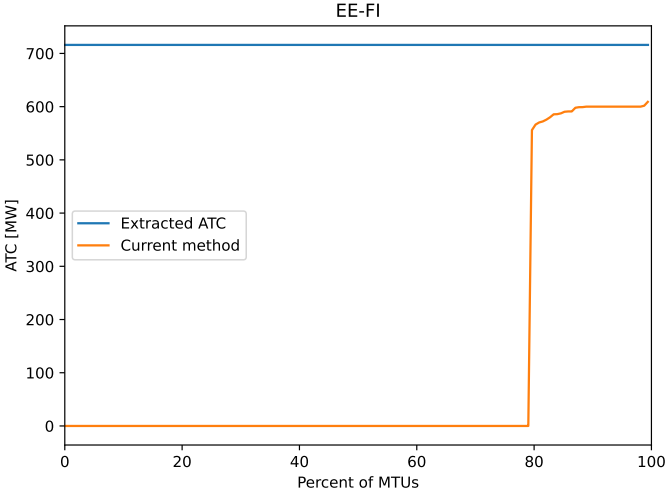
FI-EE ATC duration curves
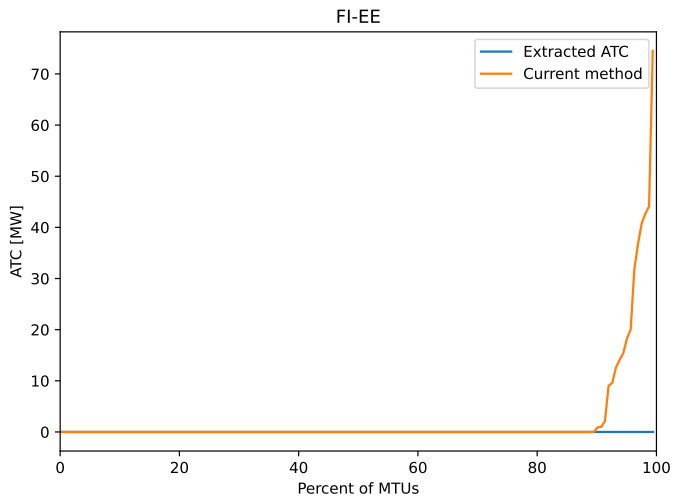
FI-SE1 ATC duration curves
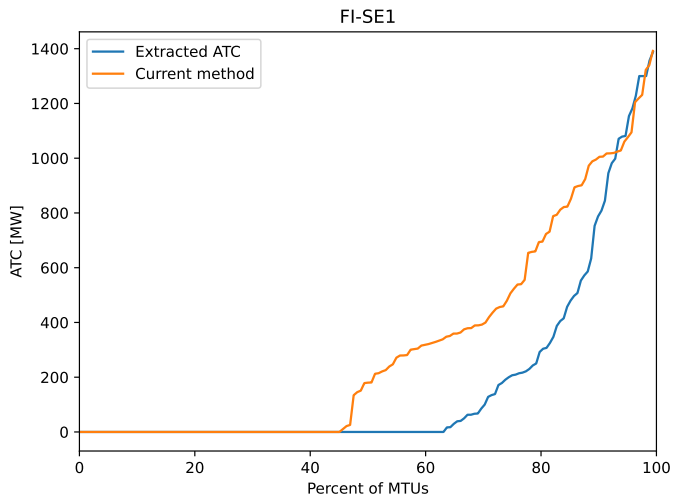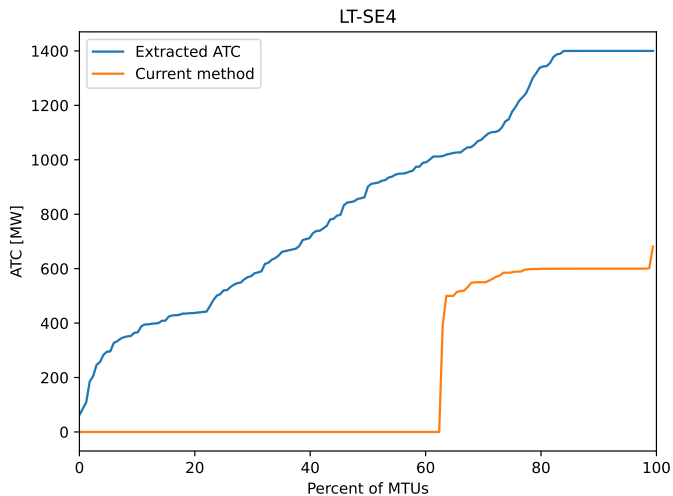
SE1-FI ATC duration curves

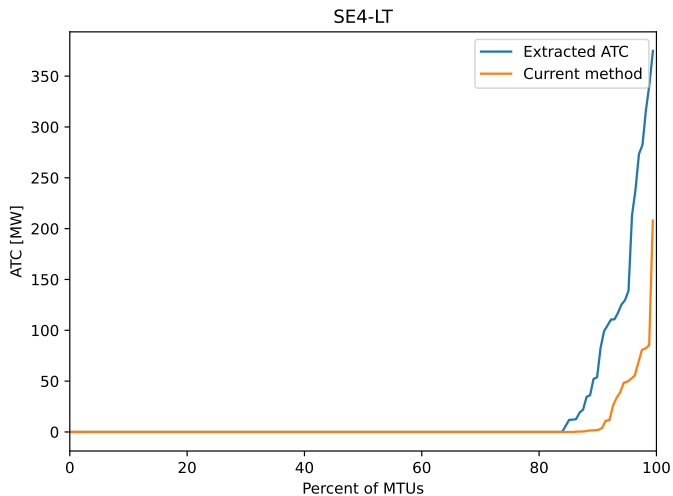SE1-FI
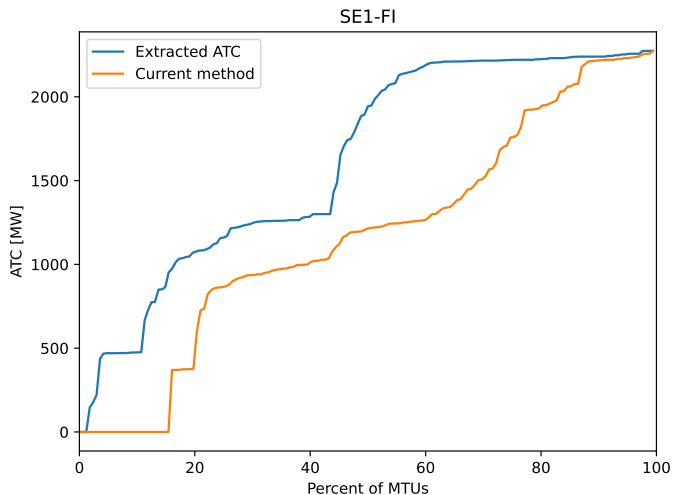
FI-SE3 ATC duration curves
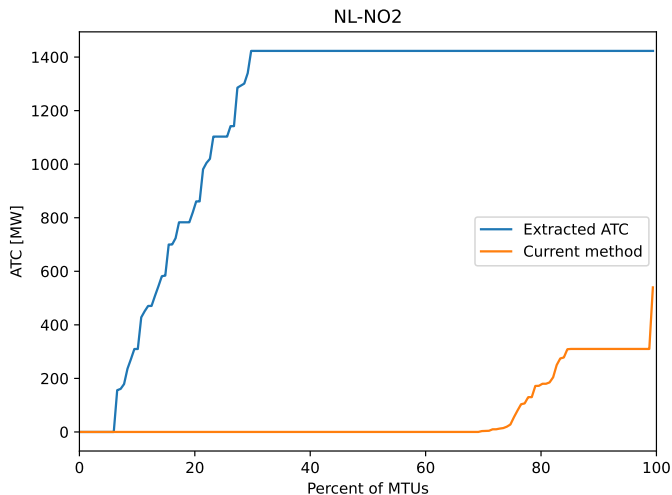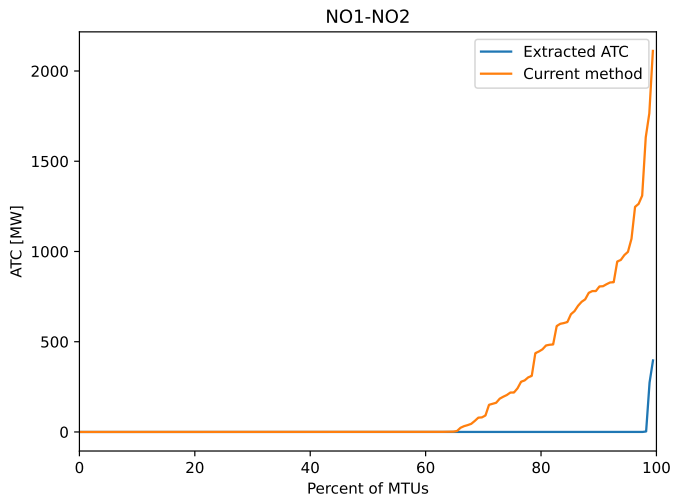
SE3-FI ATC duration curves

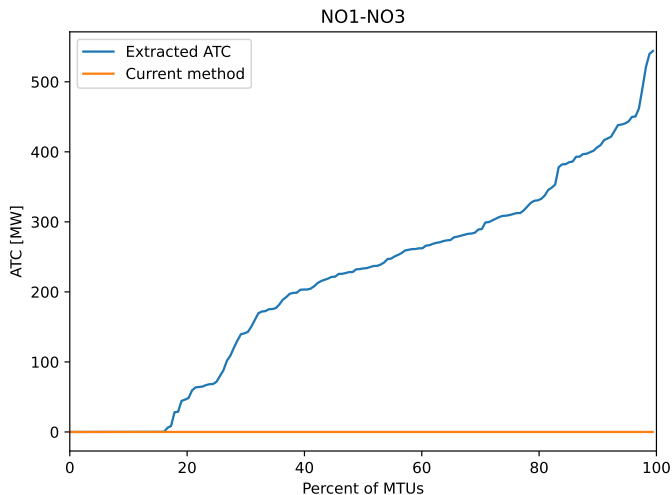# LT-SE4 ATC duration curves

SE4-LT ATC duration curves

NL-NO2 ATC duration curves

NL-NO2

NO2-NL ATC duration curves

NO2-NL
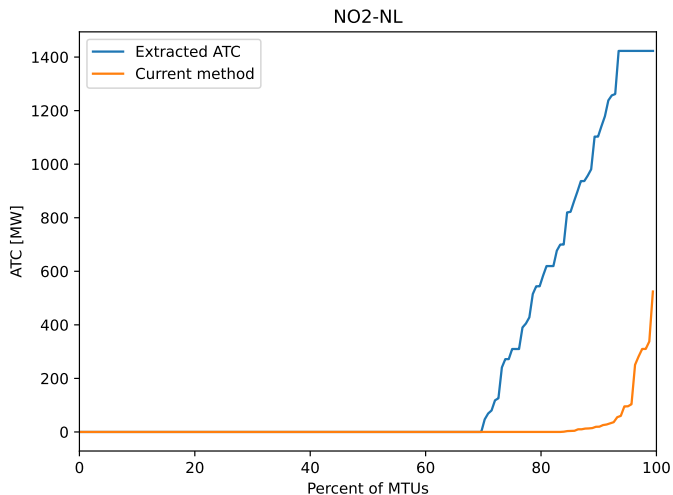
NO1-NO2 ATC duration curves

NO1-NO2

NO2-NO1 ATC duration curves
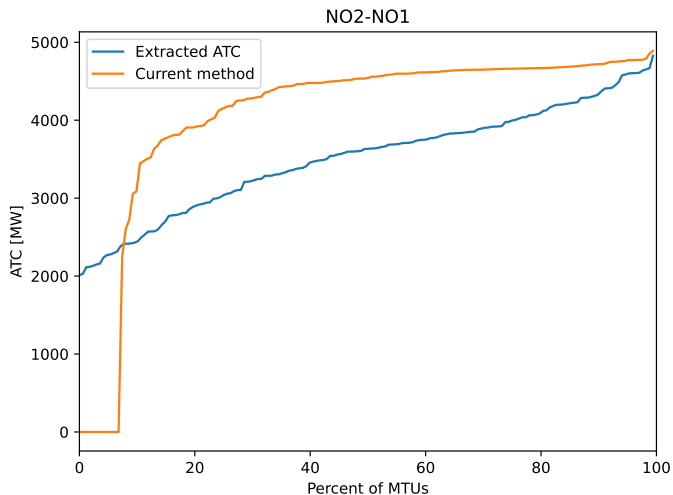
NO2-NO1
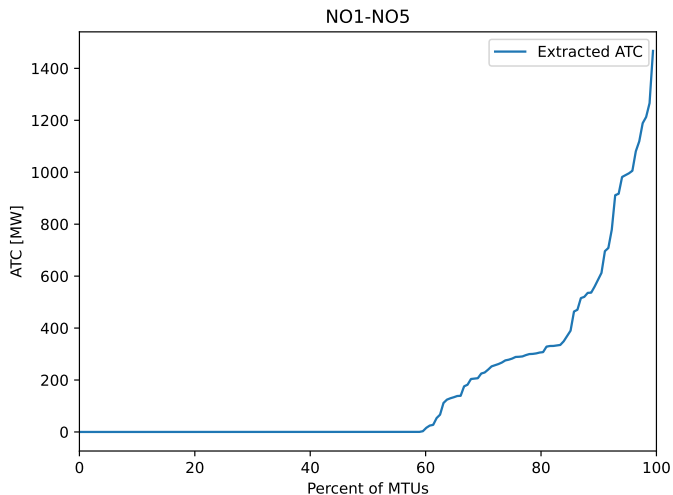
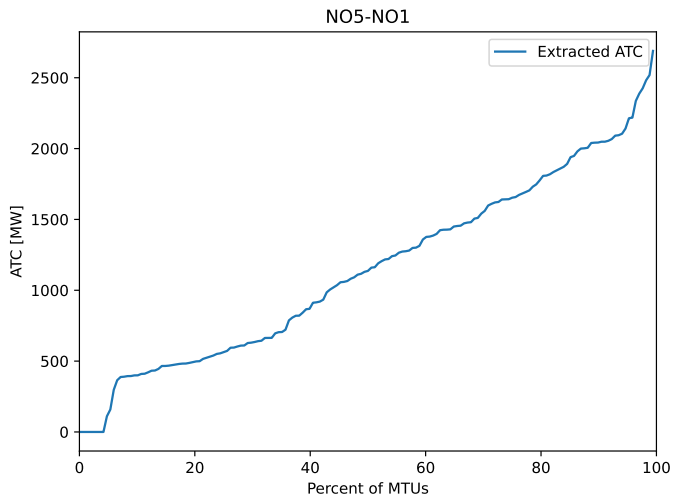# NO1-NO3 ATC duration curves

NO1-NO3
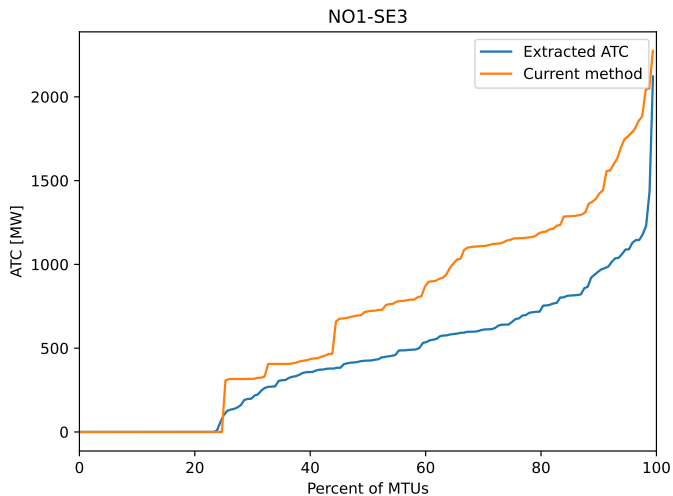
NO3-NO1 ATC duration curves
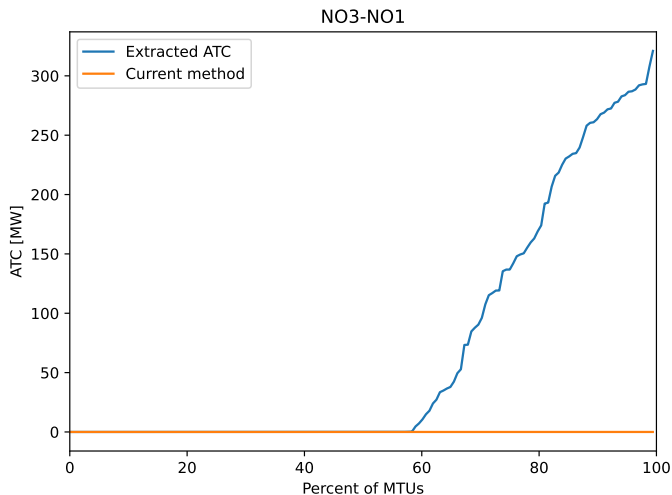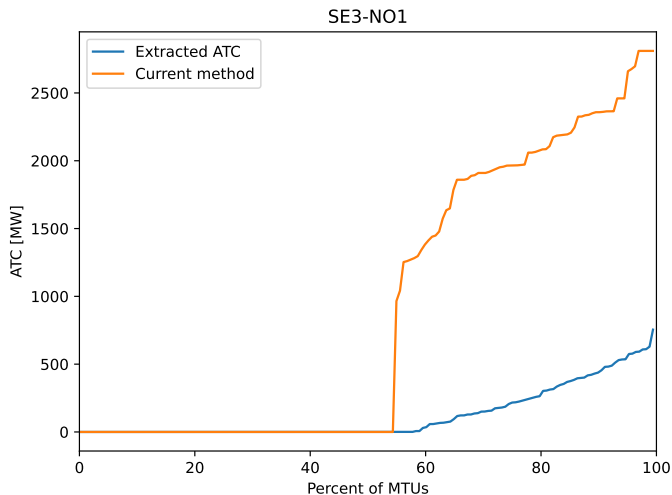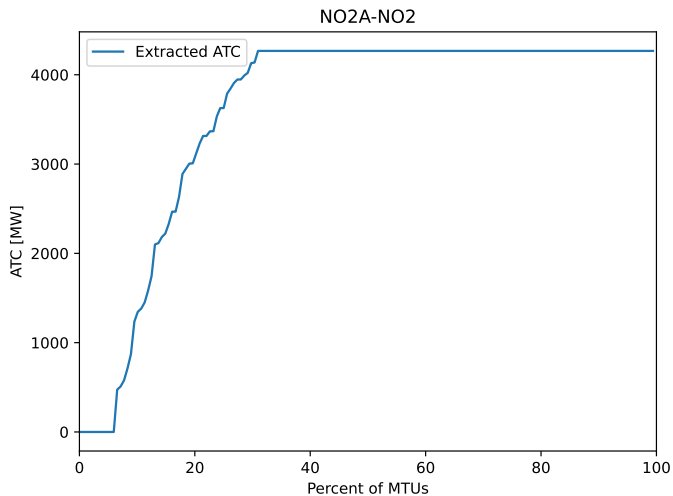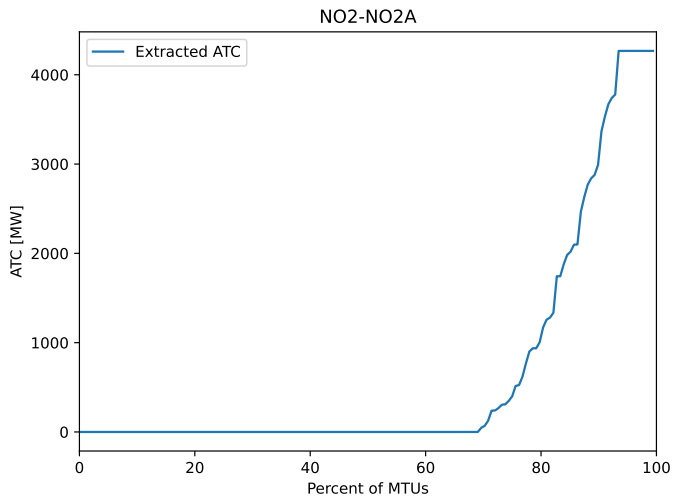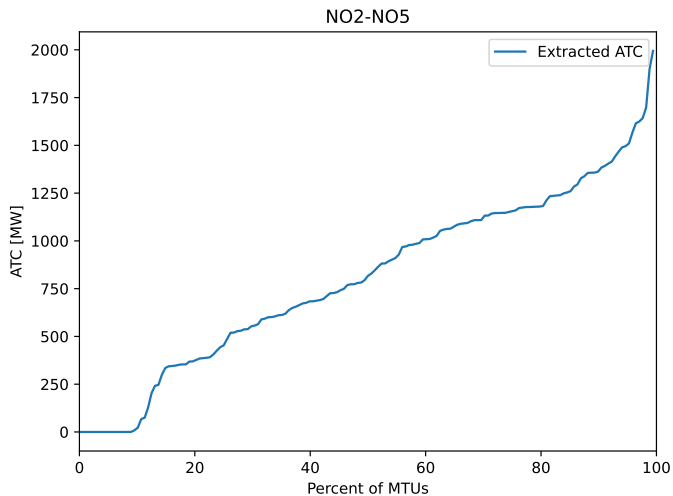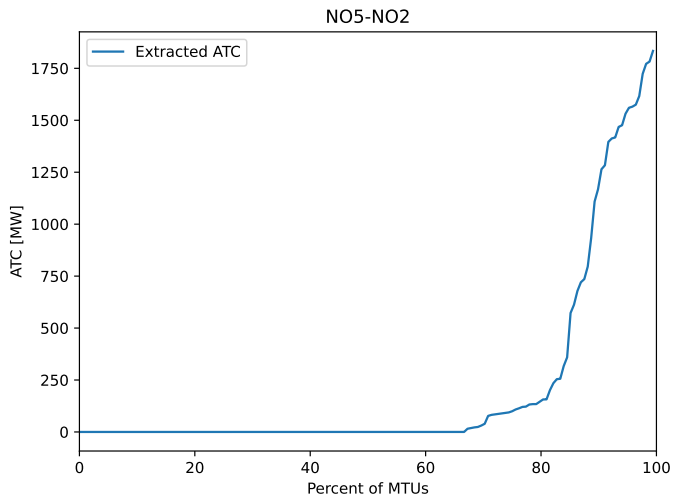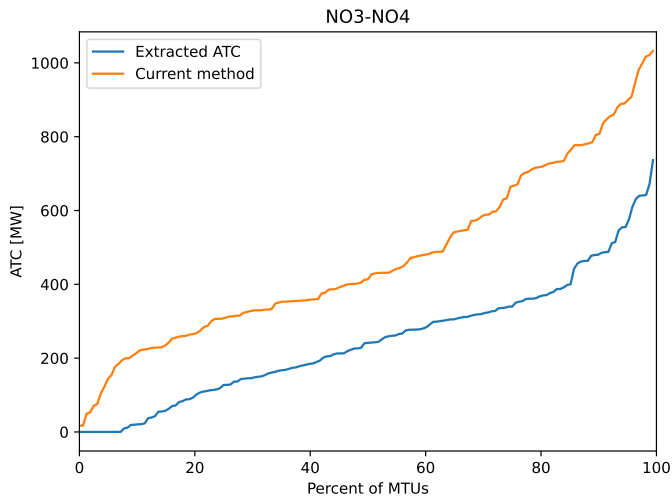
NO1-NO5 ATC duration curves

NO5-NO1 ATC duration curves

NO1-SE3 ATC duration curves

SE3-NO1 ATC duration curves

SE3-NO1

NO2A-NO2 ATC duration curves

NO2-NO2A ATC duration curves

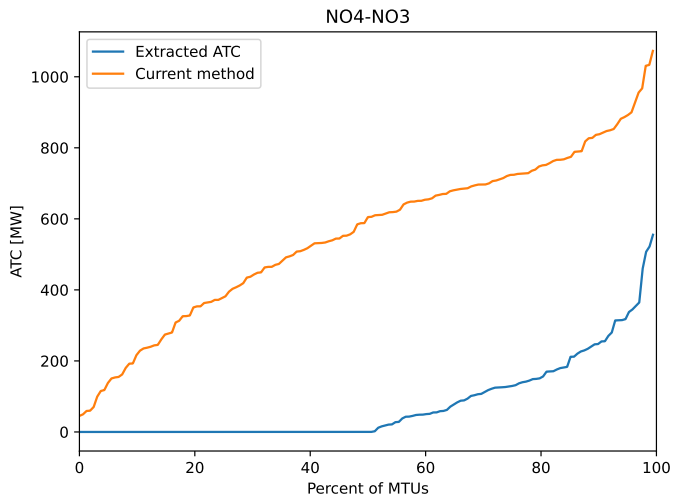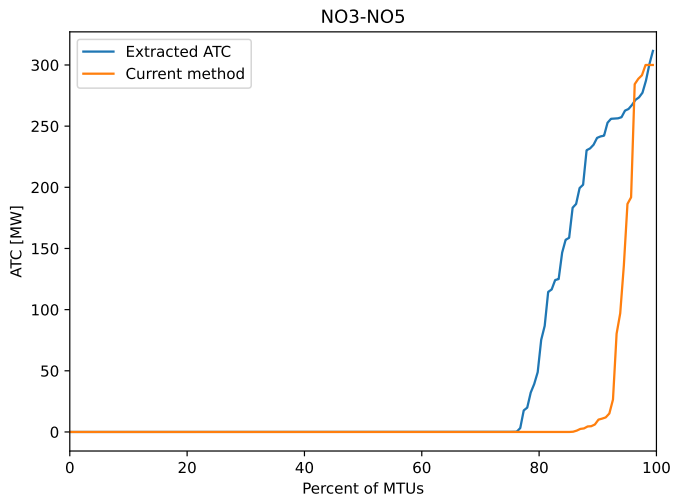NO2-NO2A

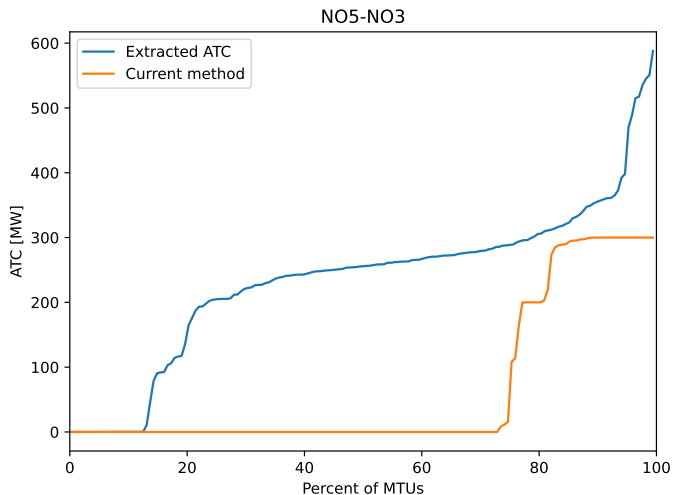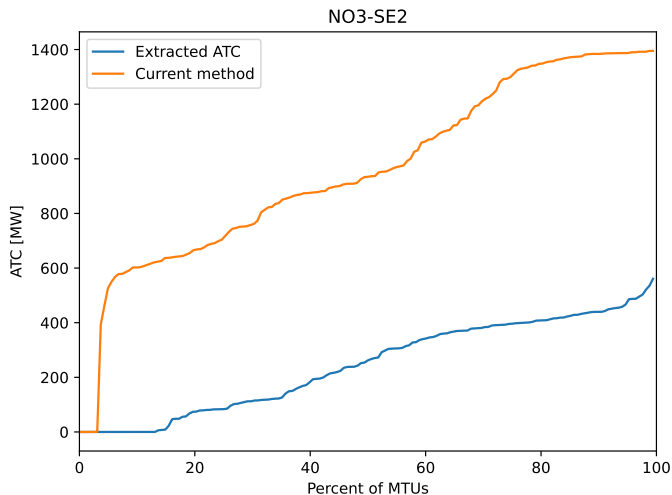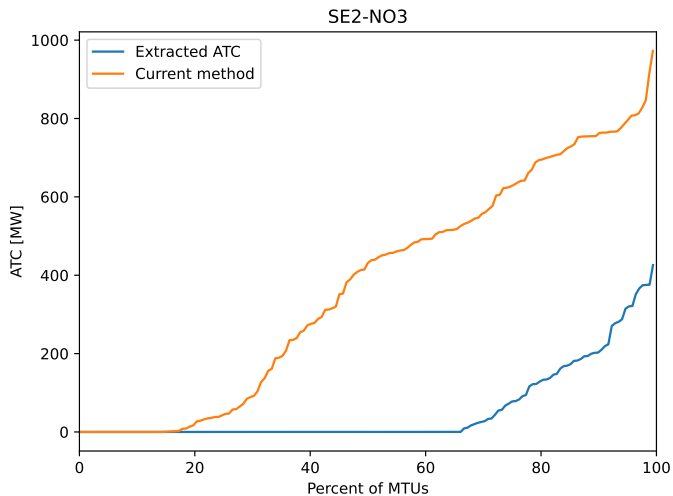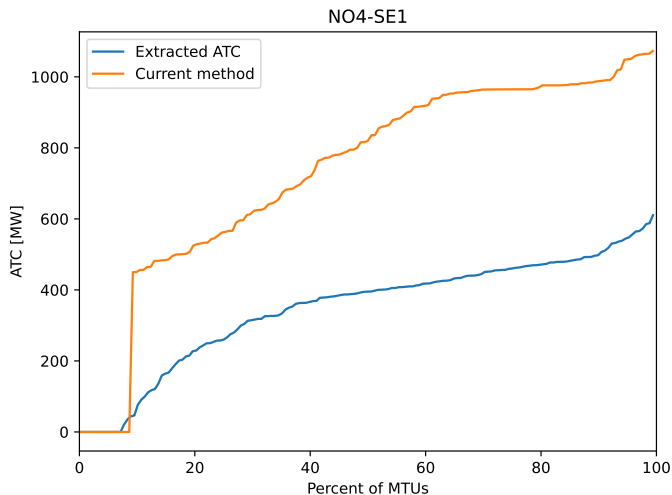# NO2-NO5 ATC duration curves

NO2-NO5

NO5-NO2 ATC duration curves

NO3-NO4 ATC duration curves

NO4-NO3 ATC duration curves

NO4-NO3

NO3-NO5 ATC duration curves

NO3-NO5

NO5-NO3 ATC duration curves

NO3-SE2 ATC duration curves

NO3-SE2

SE2-NO3 ATC duration curves

SE2-NO3

NO4-SE1 ATC duration curves

SE1-NO4 ATC duration curves

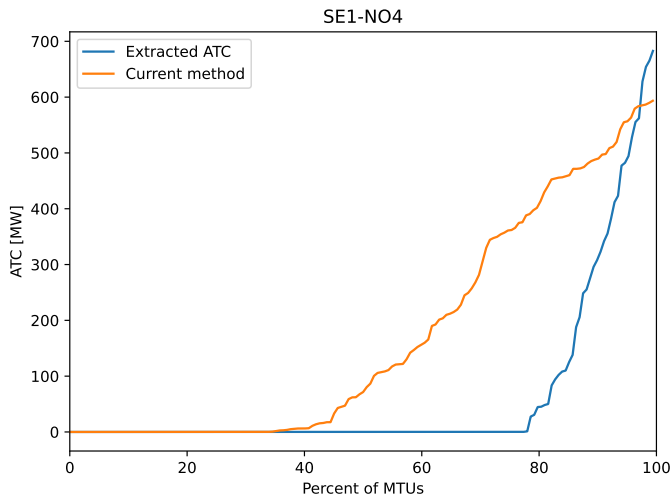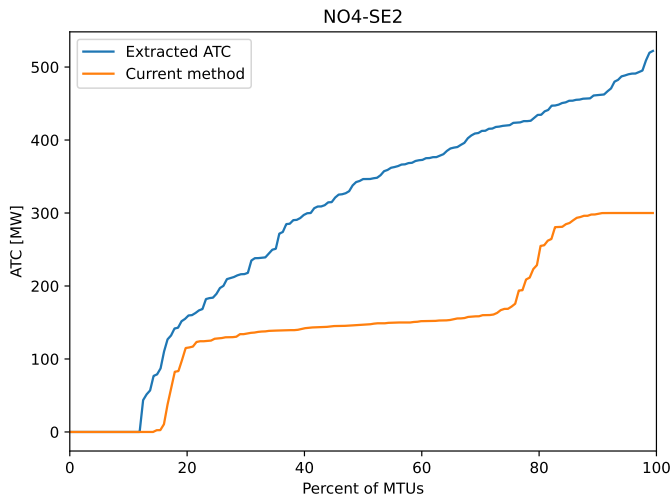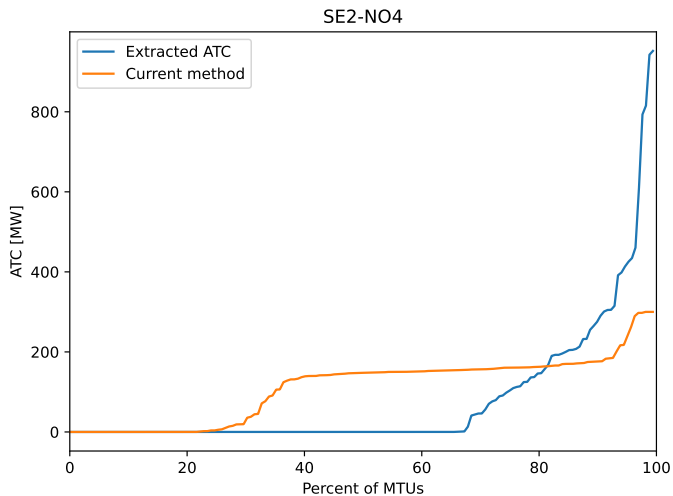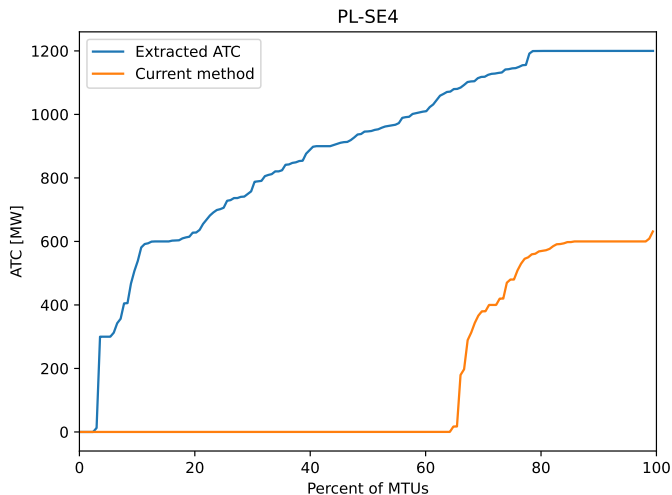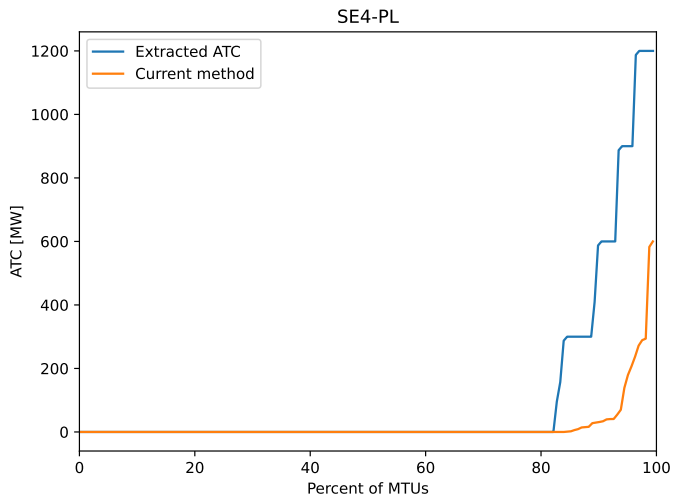# NO4-SE2 ATC duration curves

NO4-SE2

SE2-NO4 ATC duration curves

PL-SE4 ATC duration curves

SE4-PL ATC duration curves
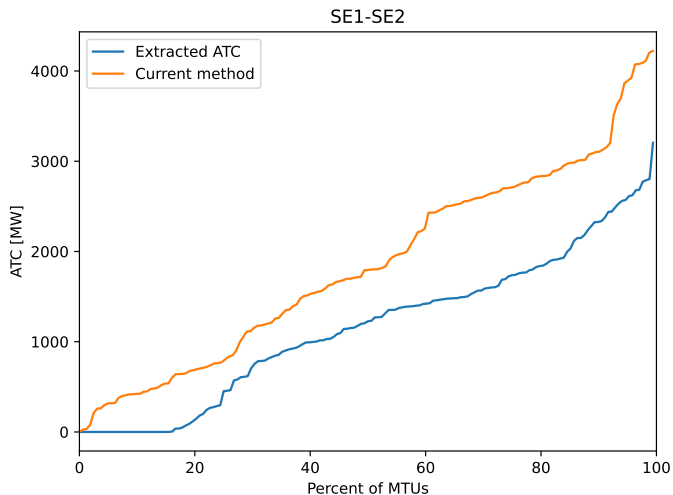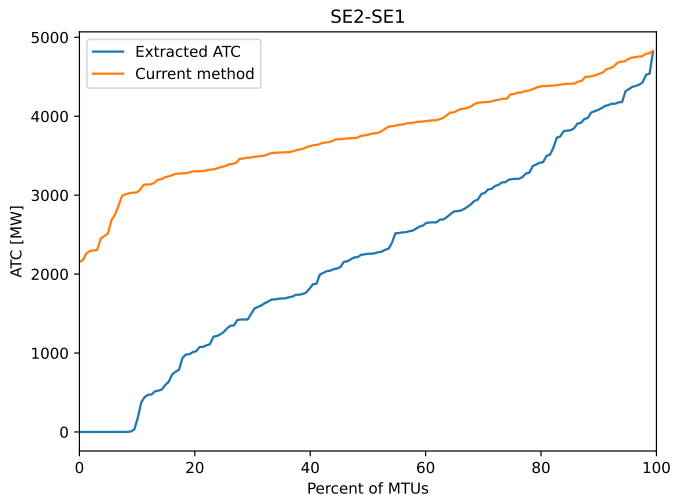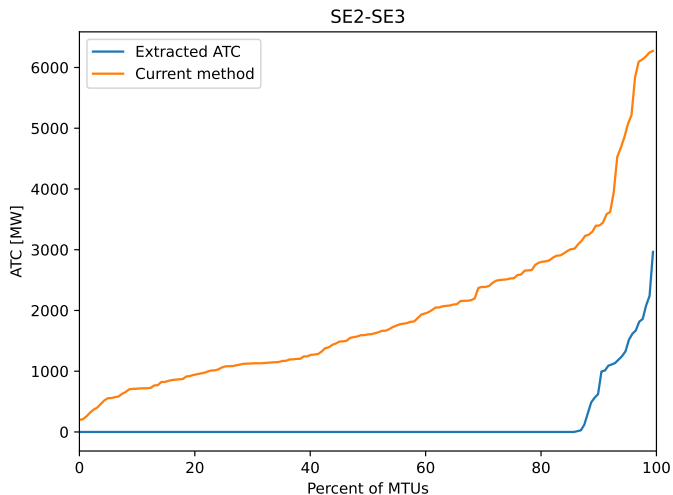

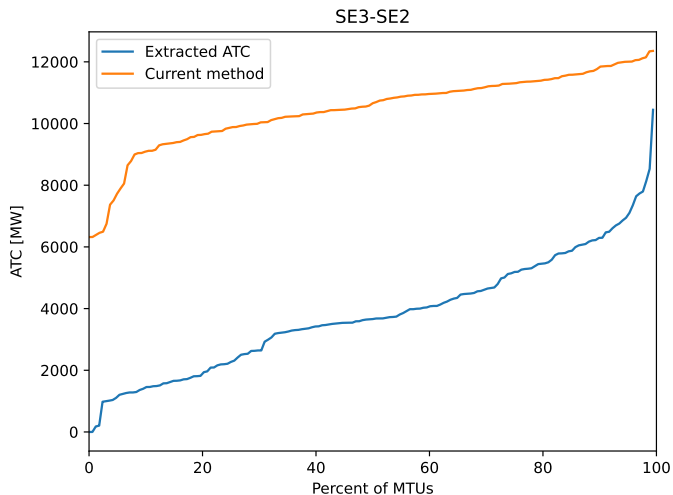SE4-PL

SE1-SE2 ATC duration curves
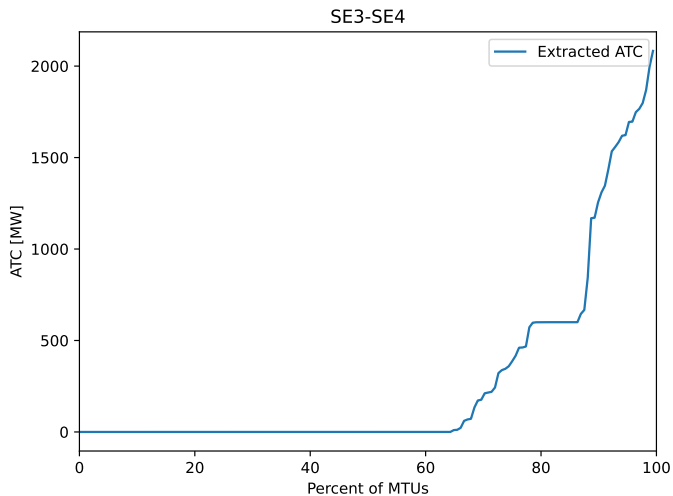
SE2-SE1 ATC duration curves
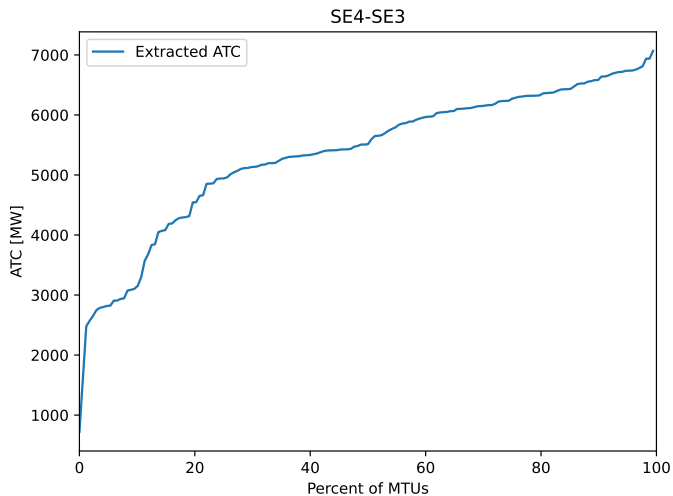
SE2-SE3 ATC duration curves

SE3-SE2 ATC duration curves

SE3-SE4 ATC duration curves

SE4-SE3 ATC duration curves

SE4-SE3

SE3_AC-SE4_AC ATC duration curves

SE3_AC-SE4_AC

SE4_AC-SE3_AC ATC duration curves

SE4_AC-SE3_AC

SE3_SWL-SE4_SWL ATC duration curves
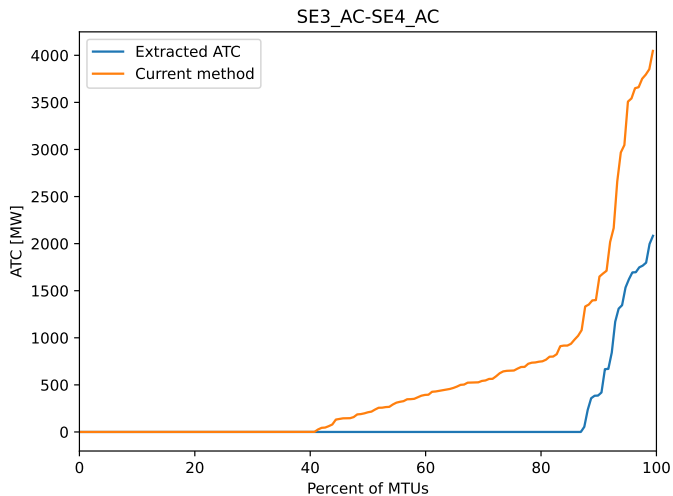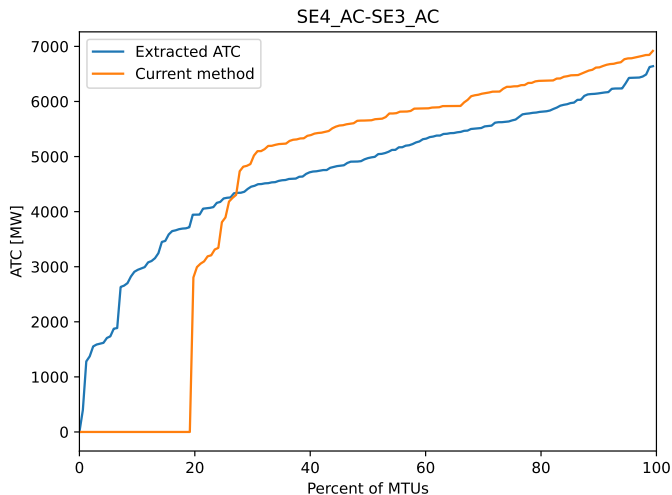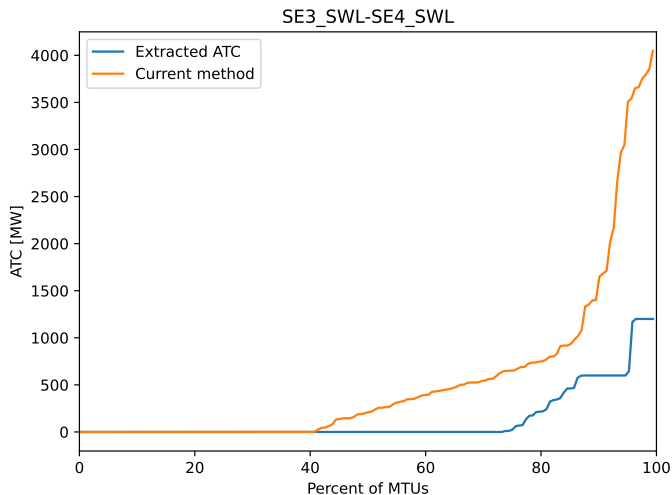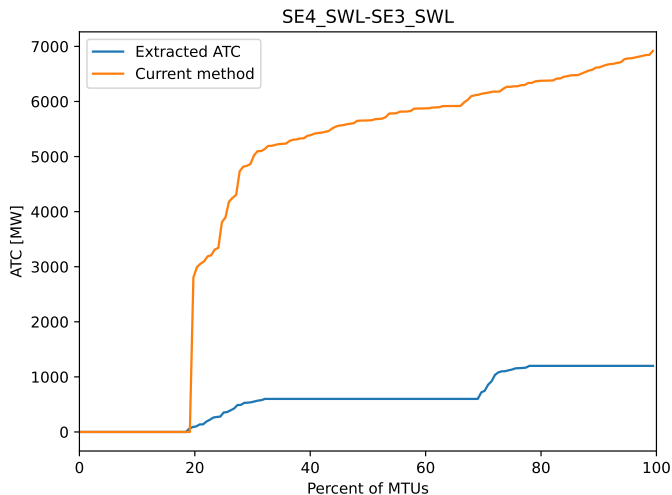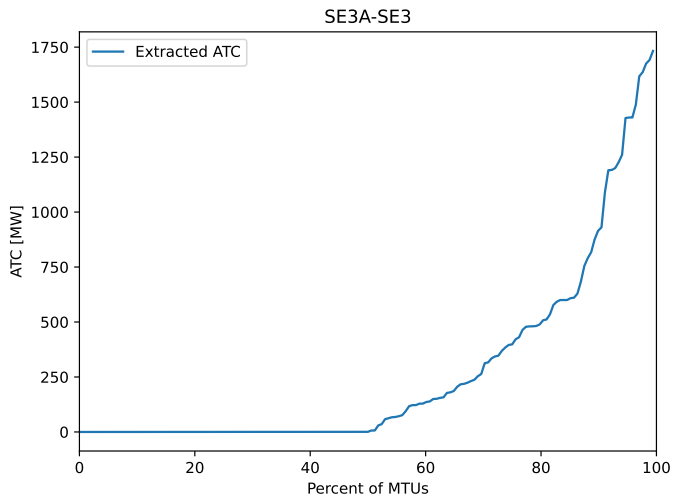
SE4_SWL-SE3_SWL ATC duration curves

SE3A-SE3 ATC duration curves

SE3-SE3A ATC duration curves

SE3-SE3A