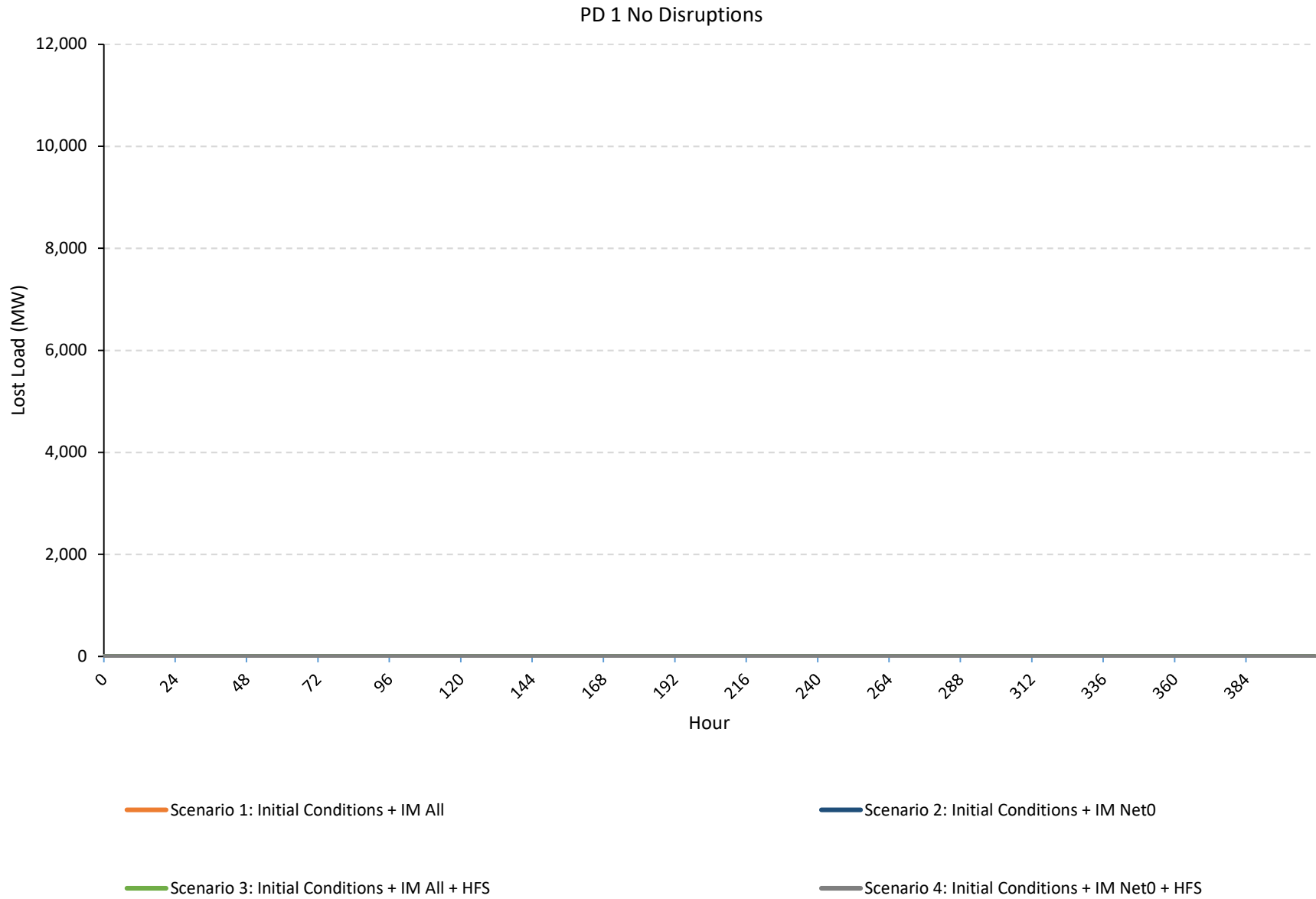


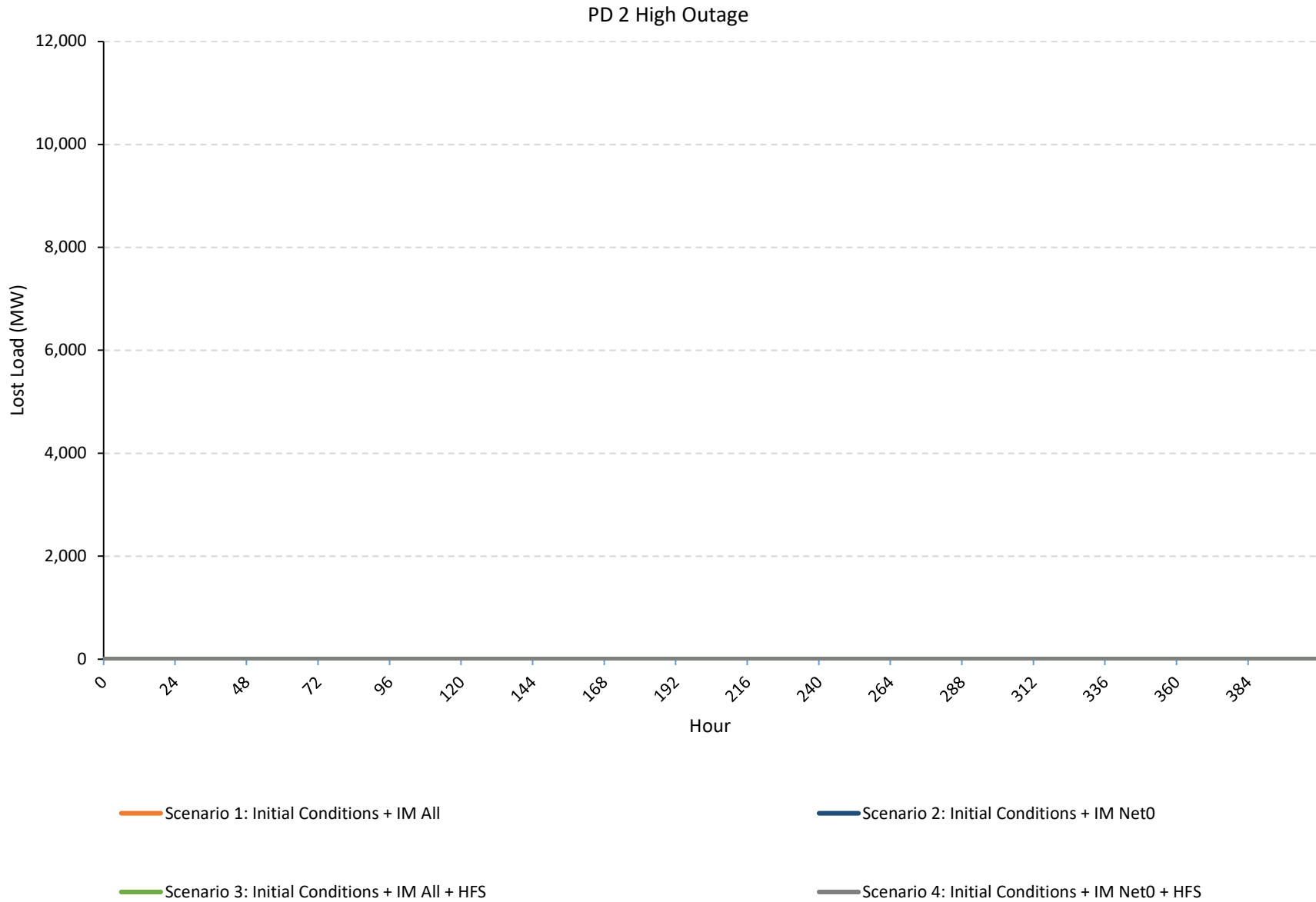
Appendix D. Loss of Load Duration Curves for all Scenarios and Disruptions

Winter 2023/2024

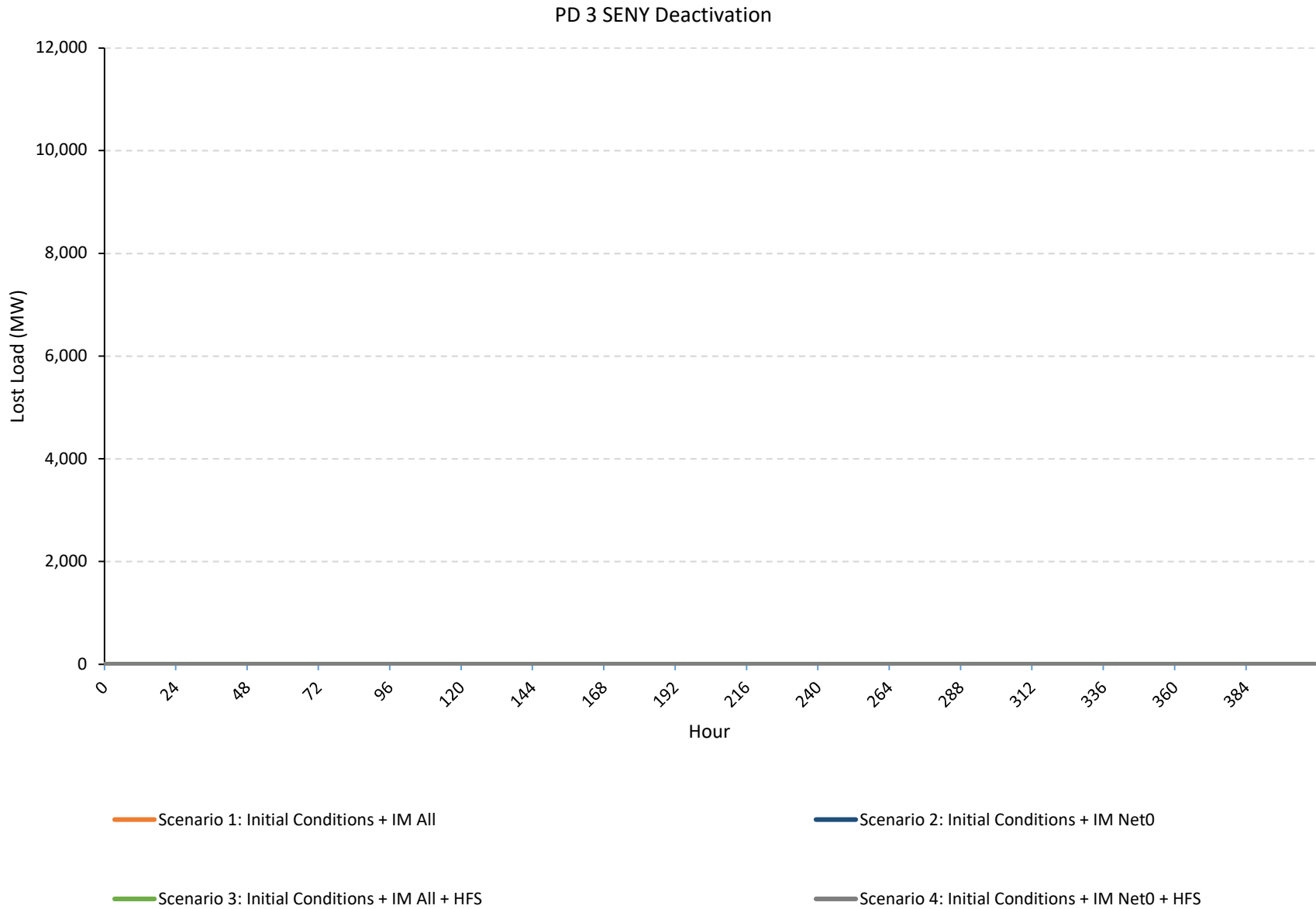
NYCA Lost Load Duration (MWh) - Winter 2023/2024



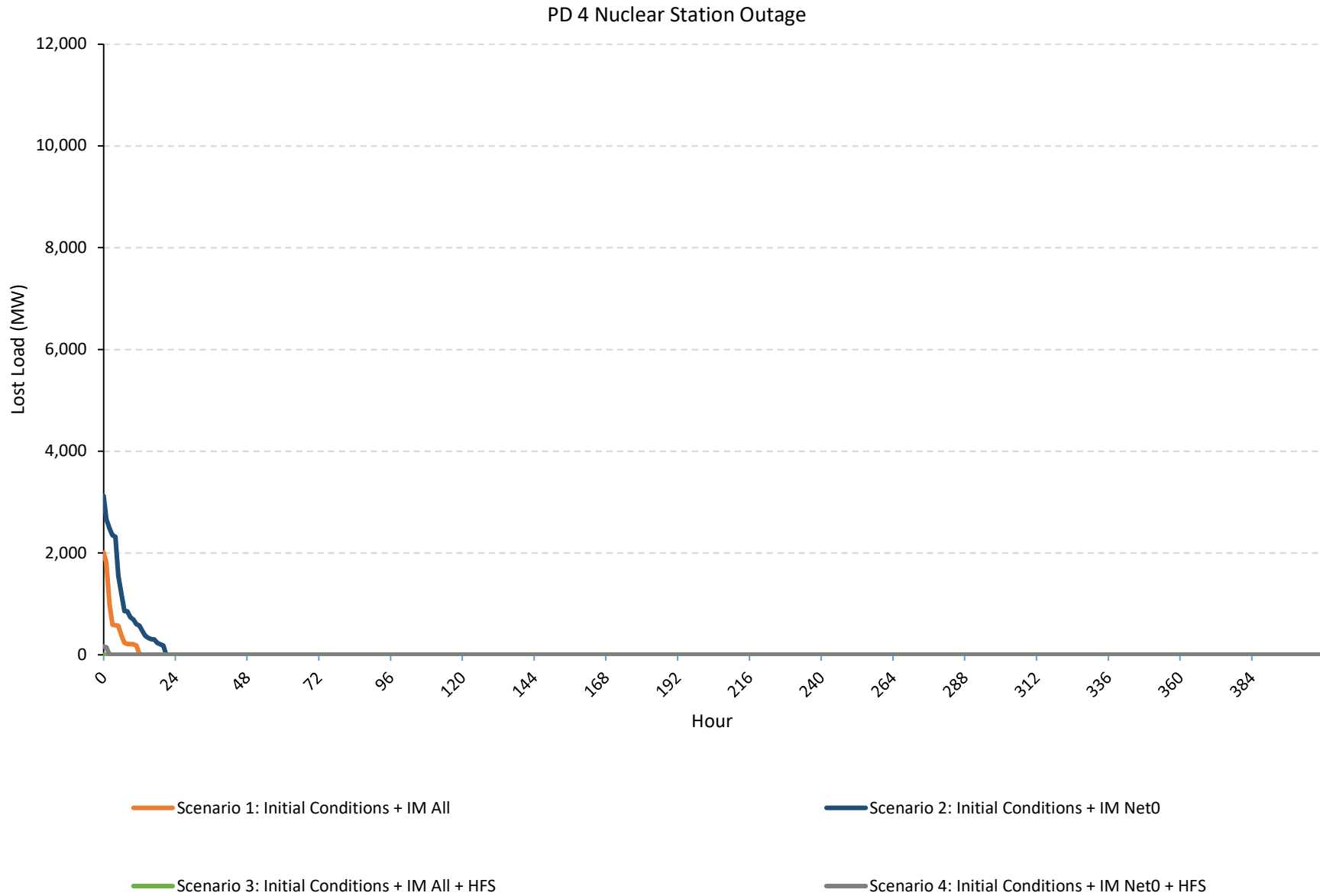
NYCA Lost Load Duration (MWh) - Winter 2023/2024



NYCA Lost Load Duration (MWh) - Winter 2023/2024

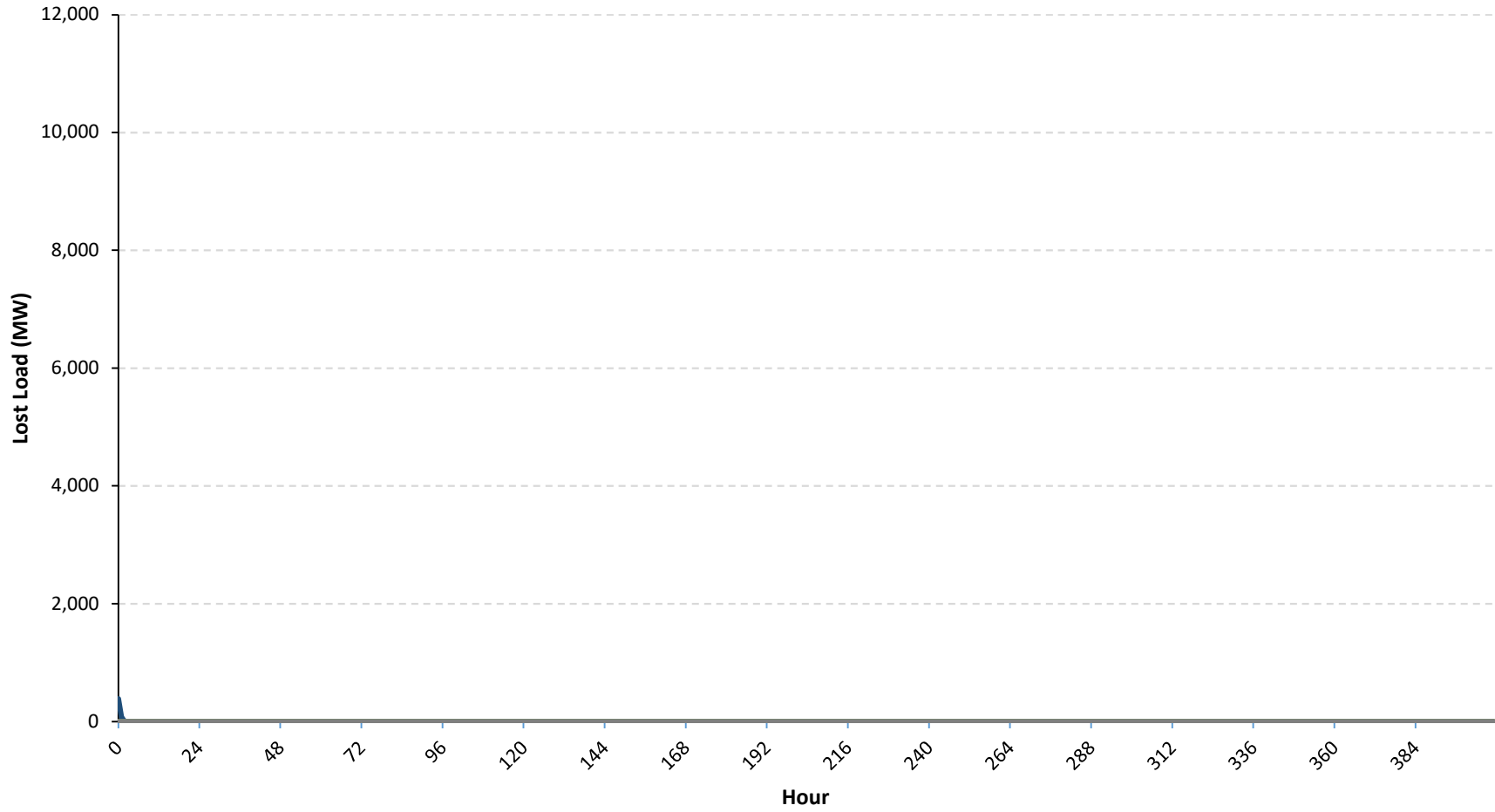


NYCA Lost Load Duration (MWh) - Winter 2023/2024



NYCA Lost Load Duration (MWh) - Winter 2023/2024

PD 5 No Truck Refill



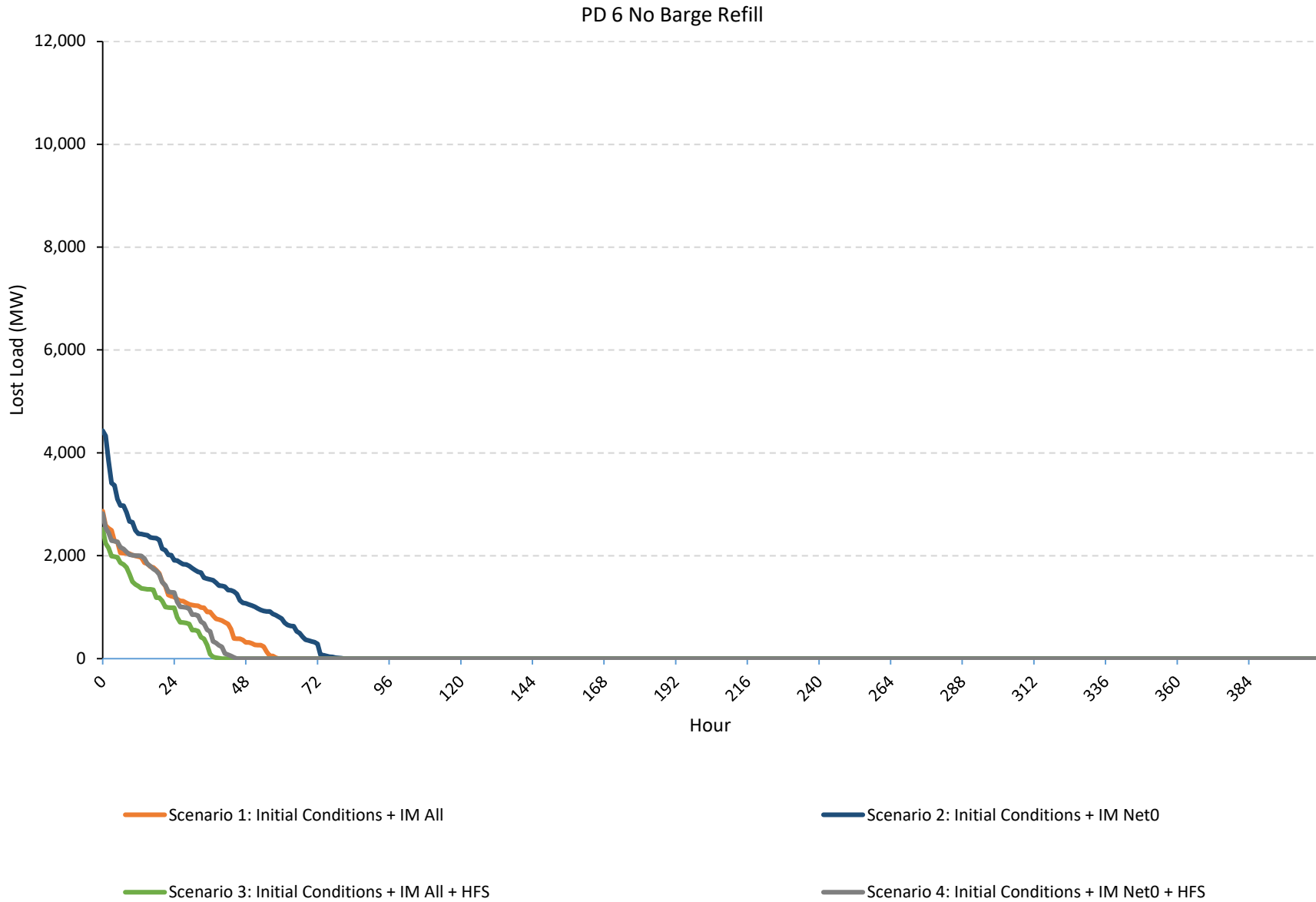
Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

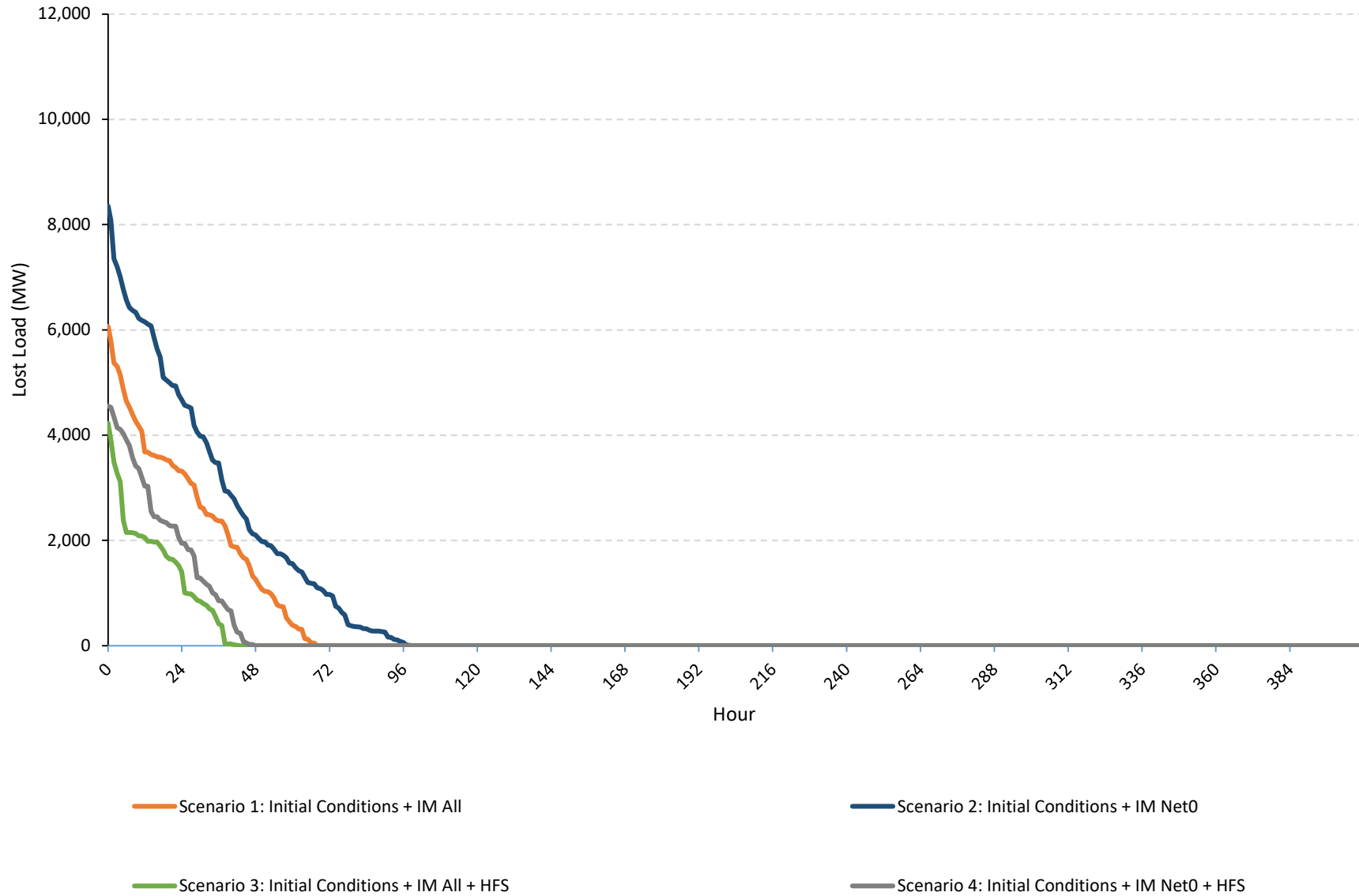
Scenario 4: Initial Conditions + IM Net0 + HFS

NYCA Lost Load Duration (MWh) - Winter 2023/2024

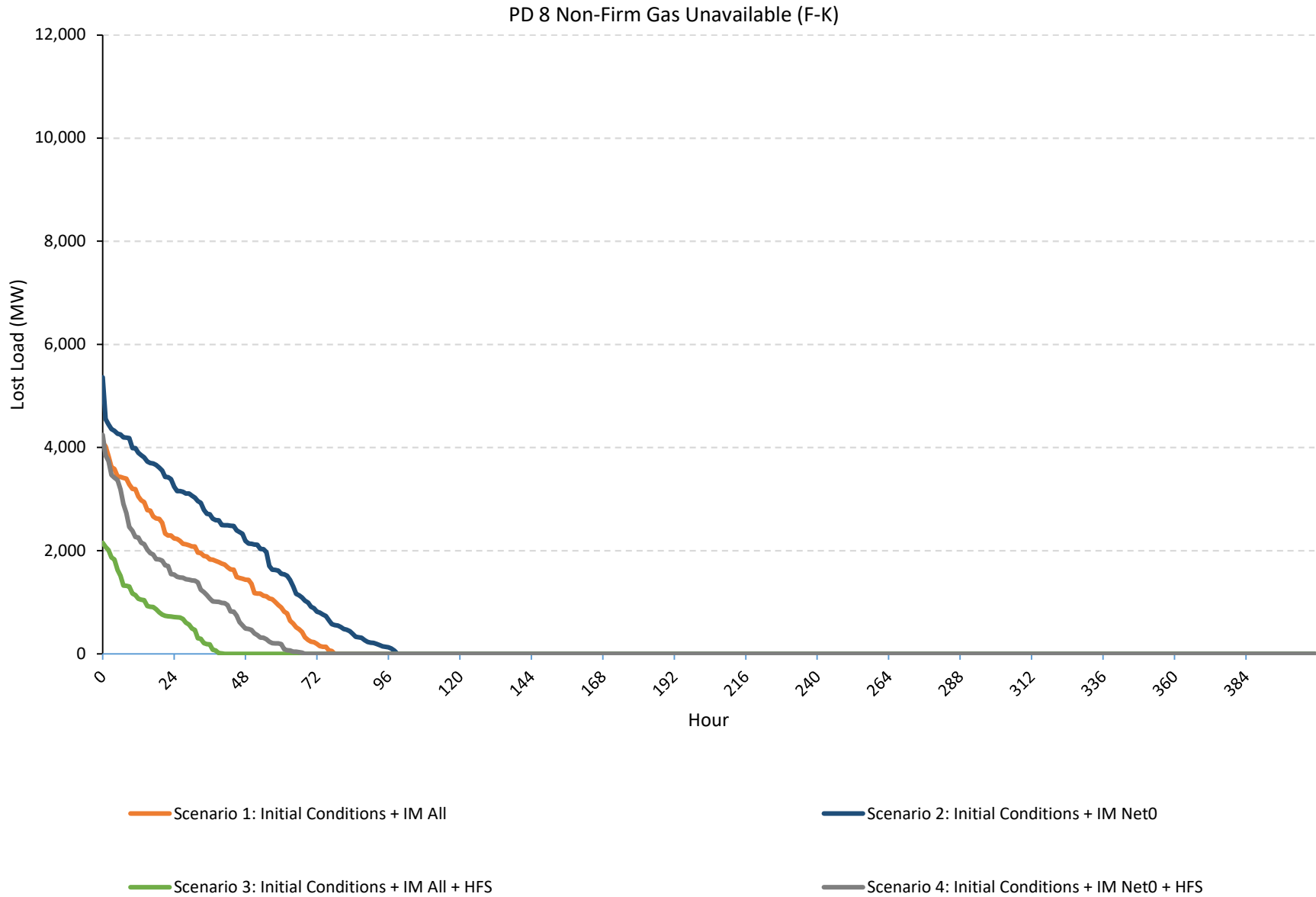


NYCA Lost Load Duration (MWh) - Winter 2023/2024

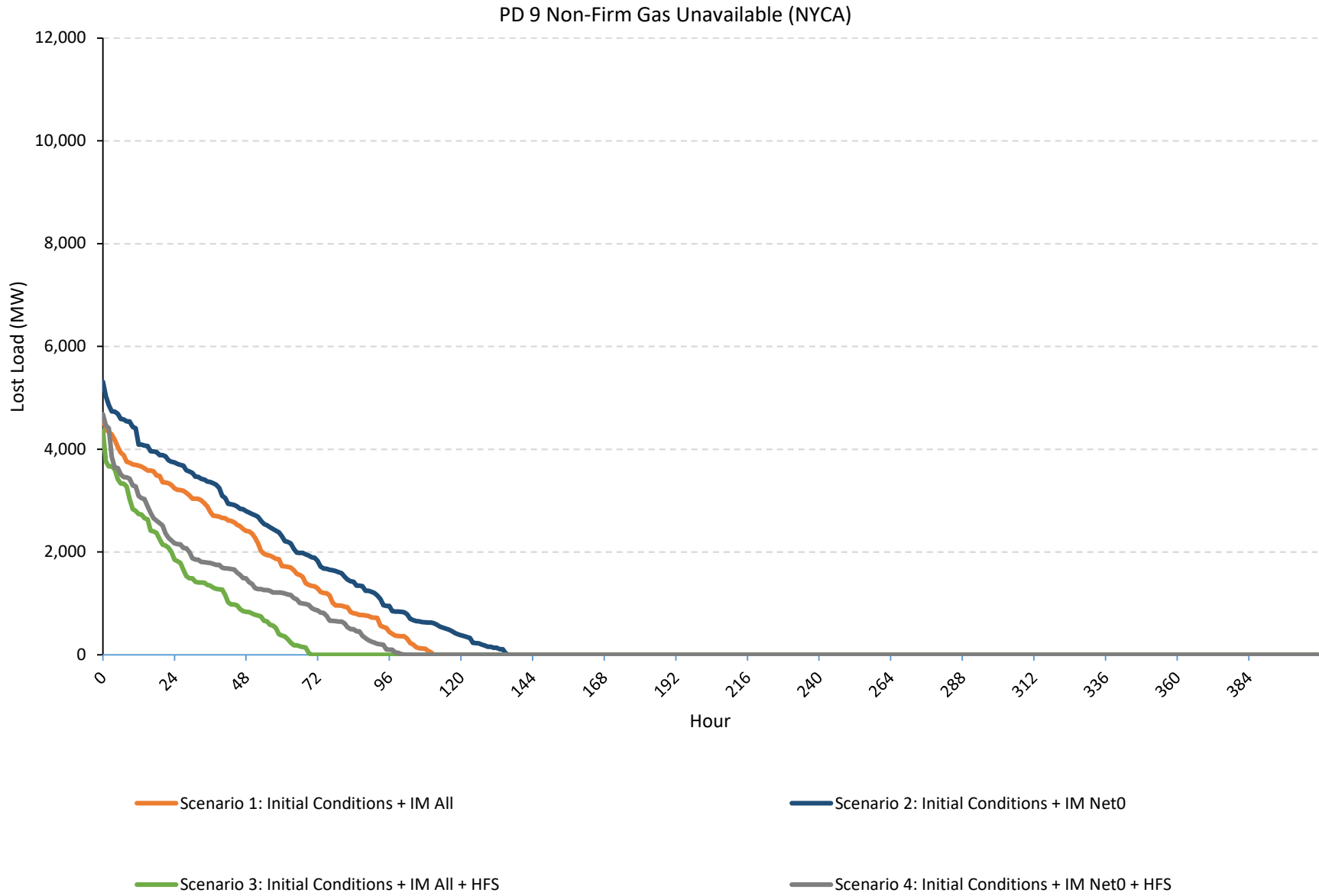
PD 7 No Refill



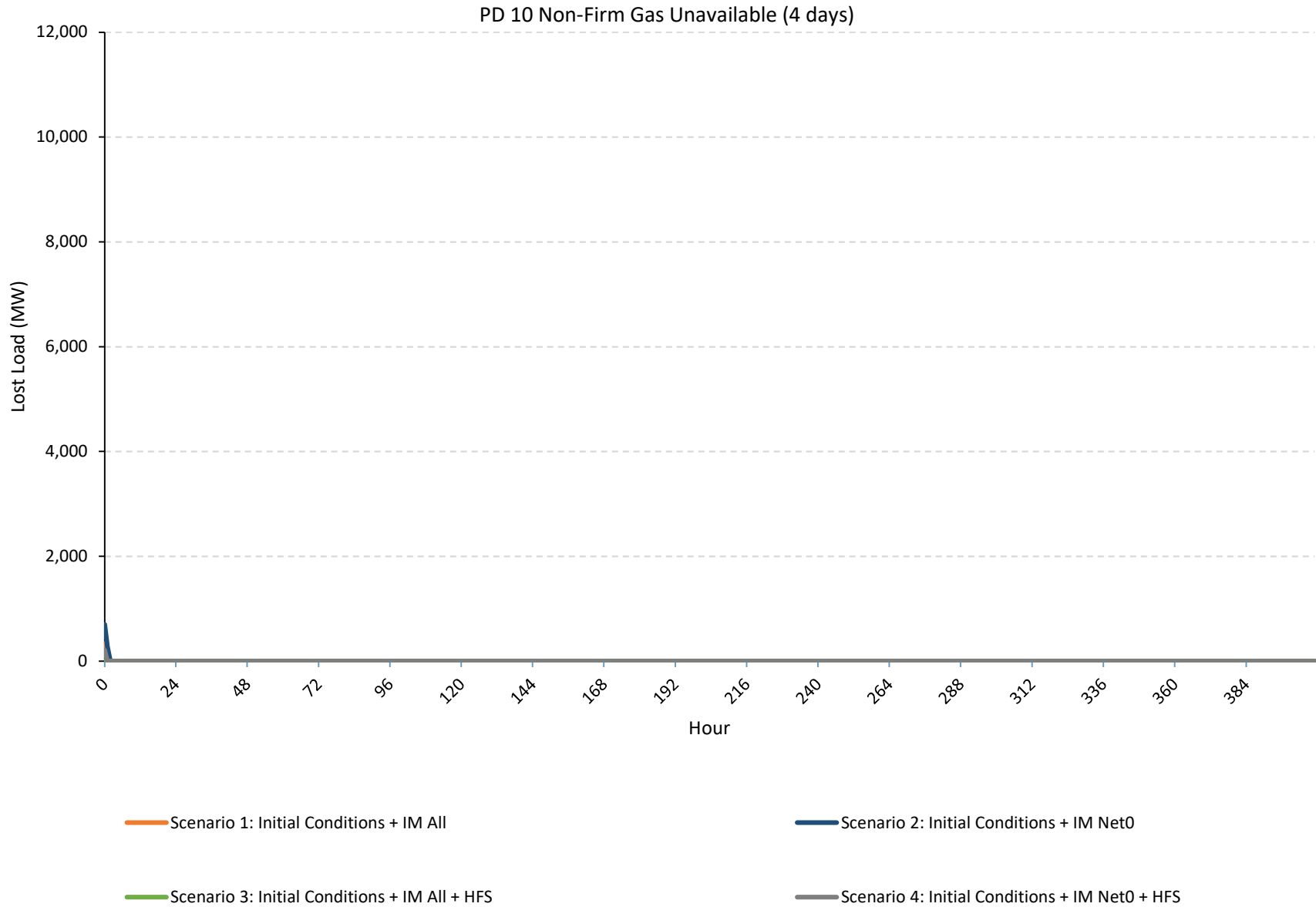
NYCA Lost Load Duration (MWh) - Winter 2023/2024



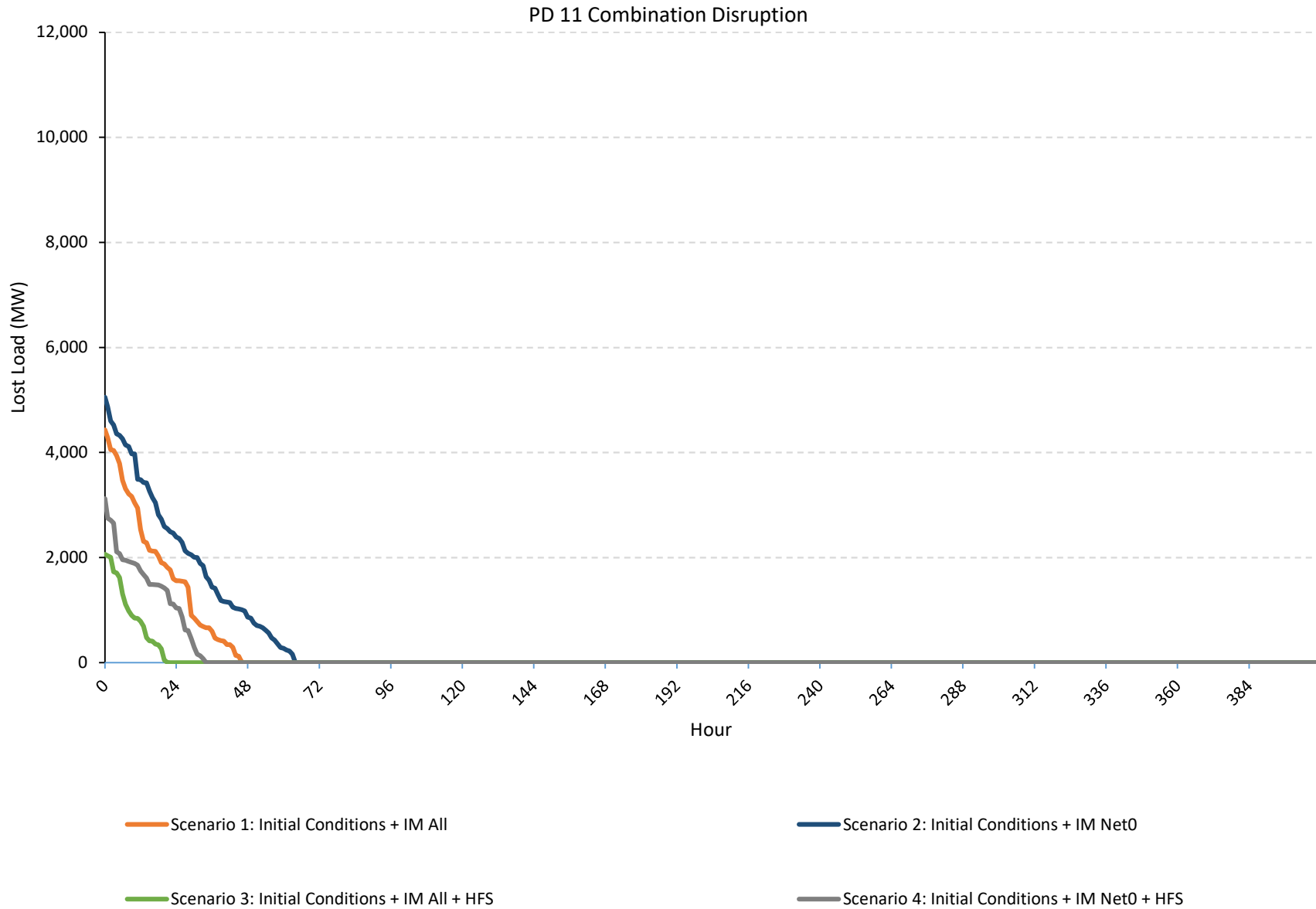
NYCA Lost Load Duration (MWh) - Winter 2023/2024



NYCA Lost Load Duration (MWh) - Winter 2023/2024

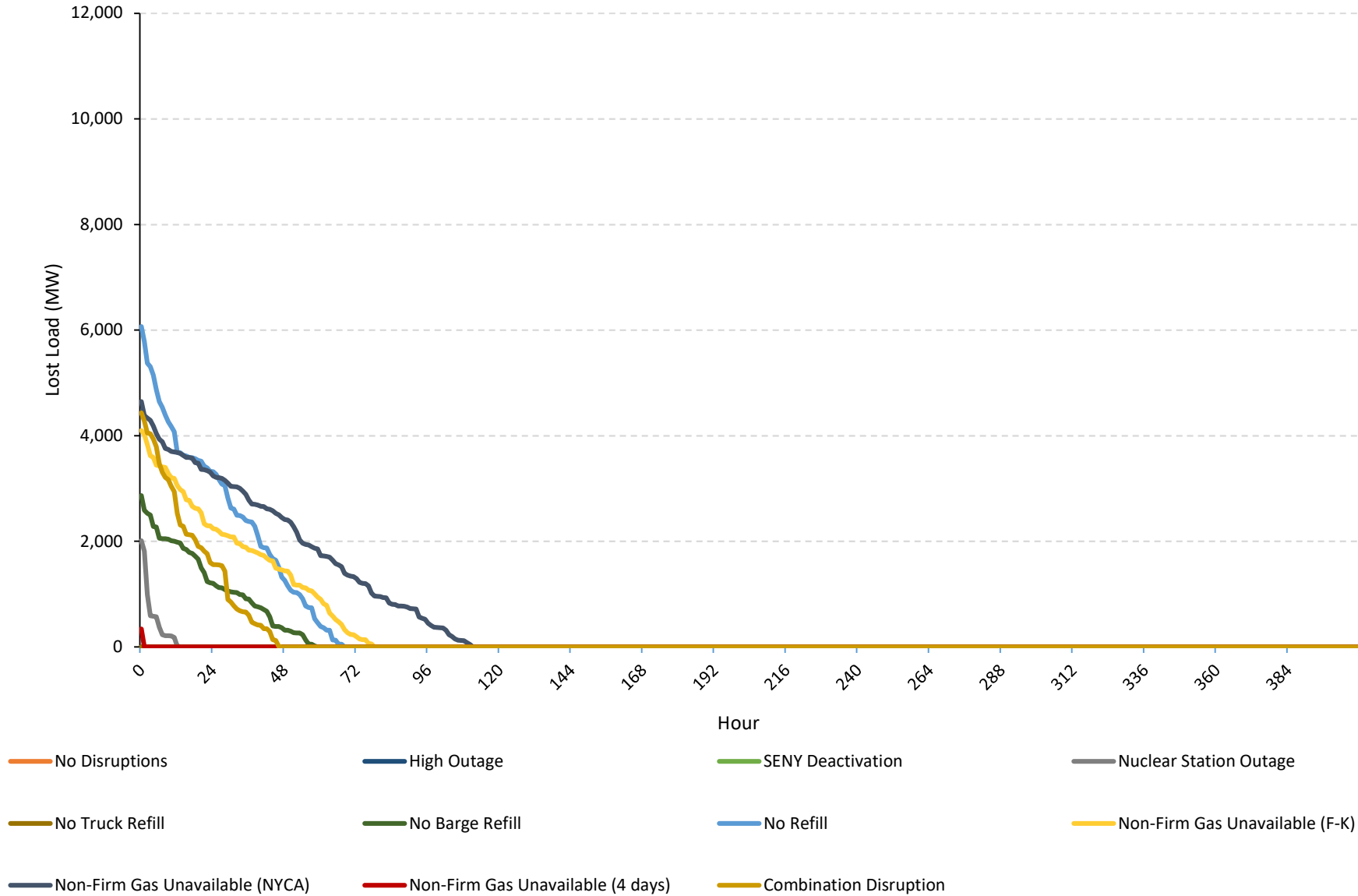


NYCA Lost Load Duration (MWh) - Winter 2023/2024



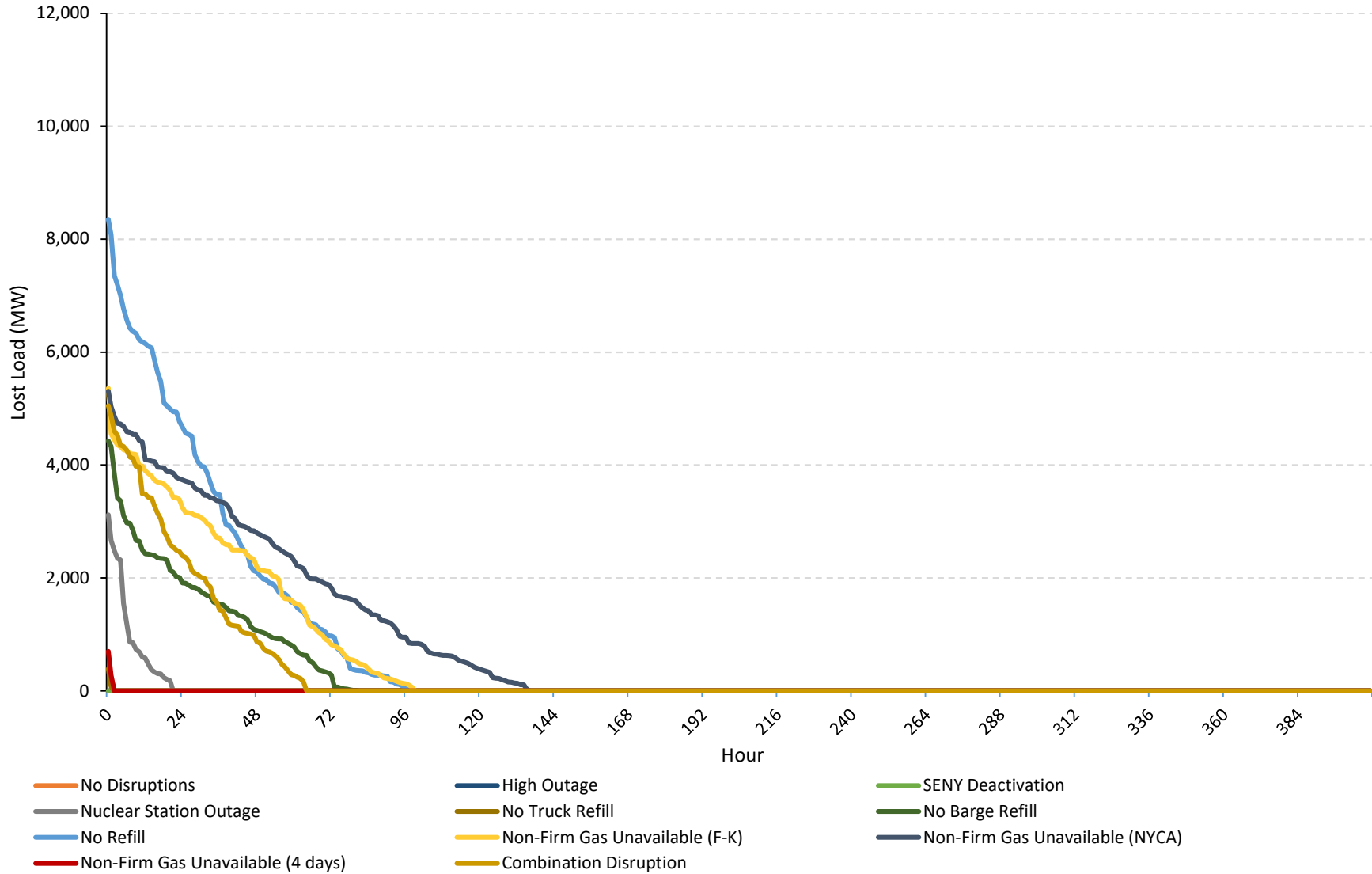
NYCA Lost Load Duration (MWh) - Winter 2023/2024

Scenario 1: Initial Conditions + IM All



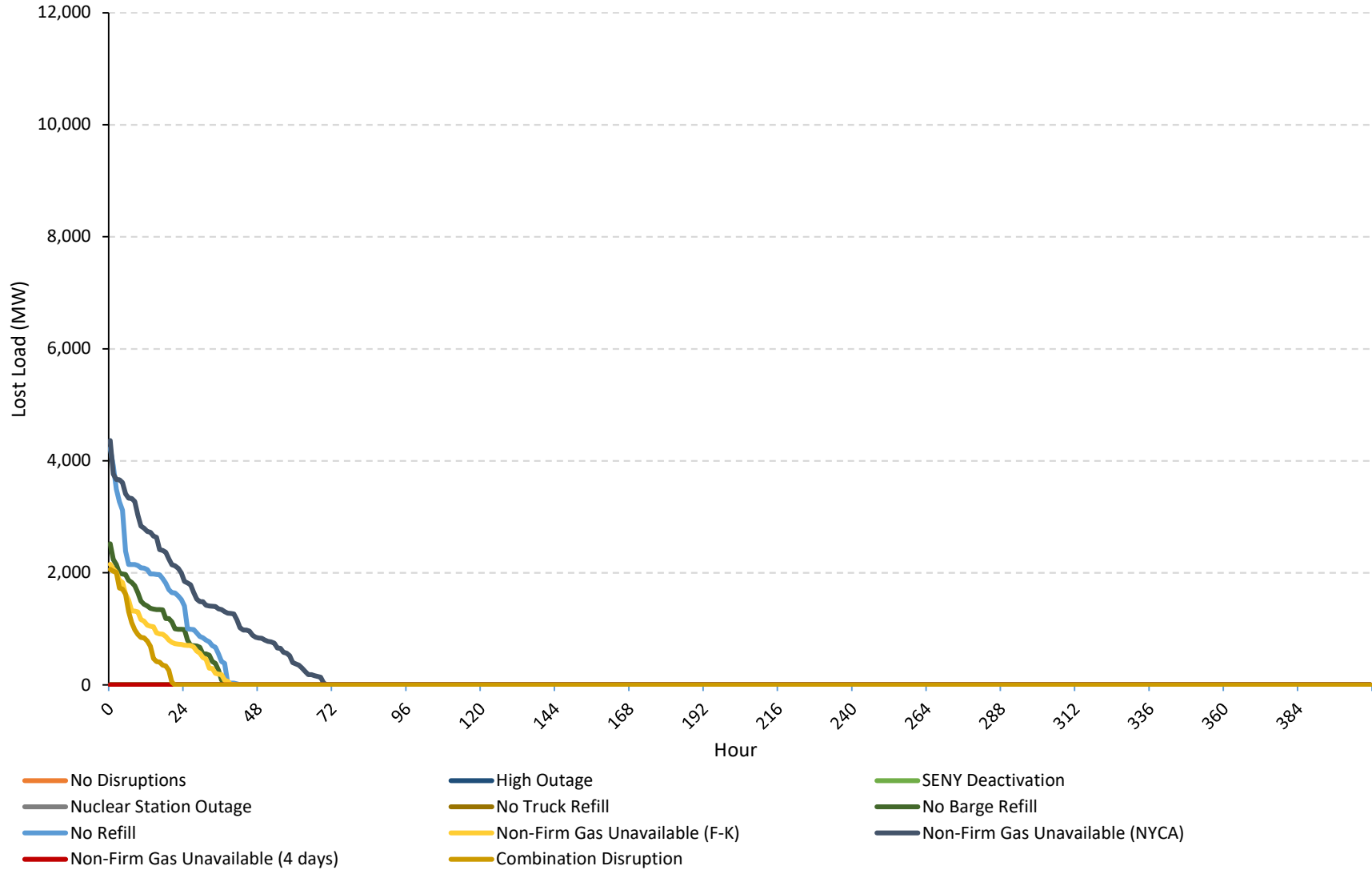
NYCA Lost Load Duration (MWh) - Winter 2023/2024

Scenario 2: Initial Conditions + IM Net0



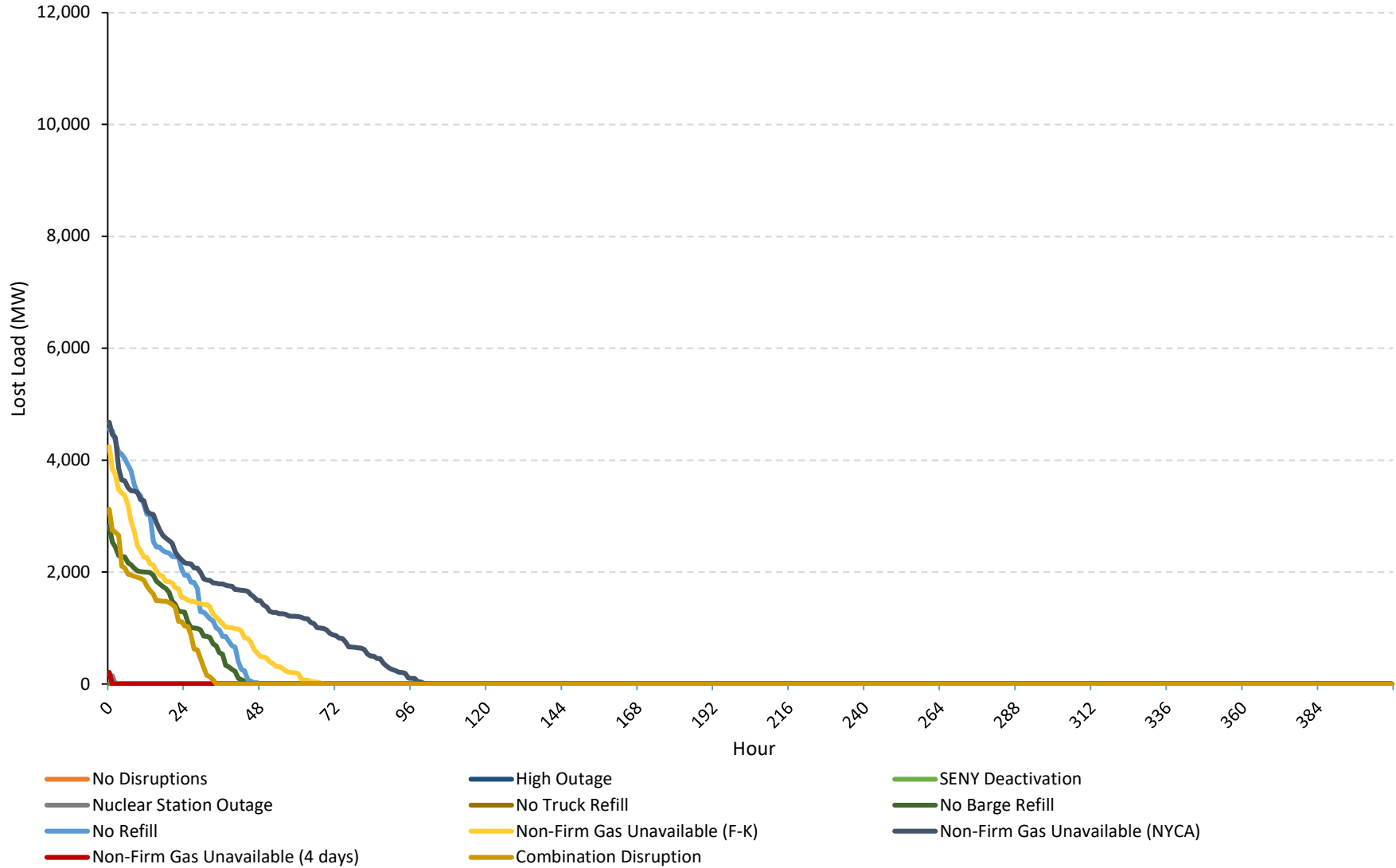
NYCA Lost Load Duration (MWh) - Winter 2023/2024

Scenario 3: Initial Conditions + IM All + HFS



NYCA Lost Load Duration (MWh) - Winter 2023/2024

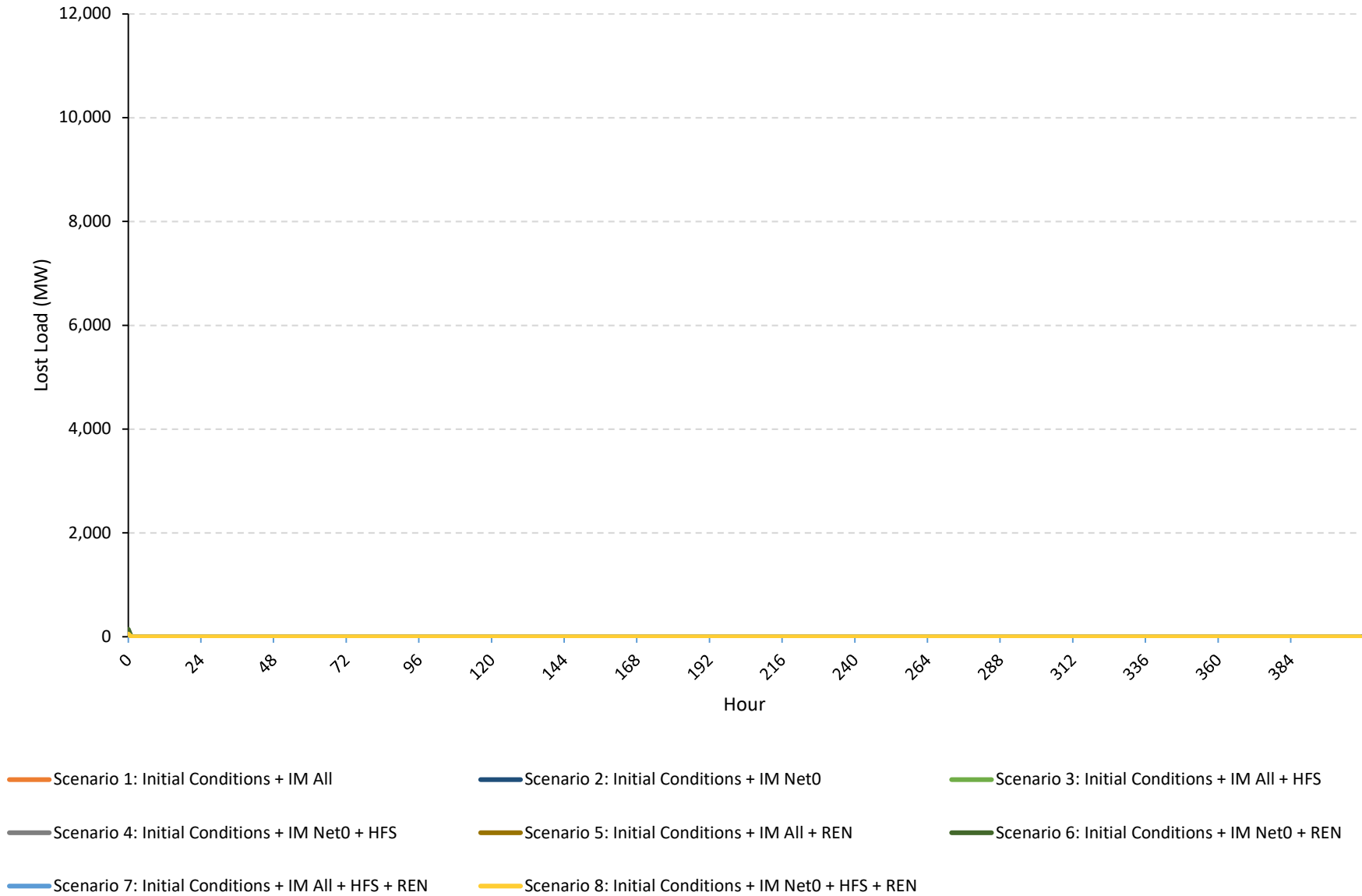
Scenario 4: Initial Conditions + IM Net0 + HFS



Appendix D. Loss of Load Duration Curves for all Scenarios and Disruptions Winter 2026/2027

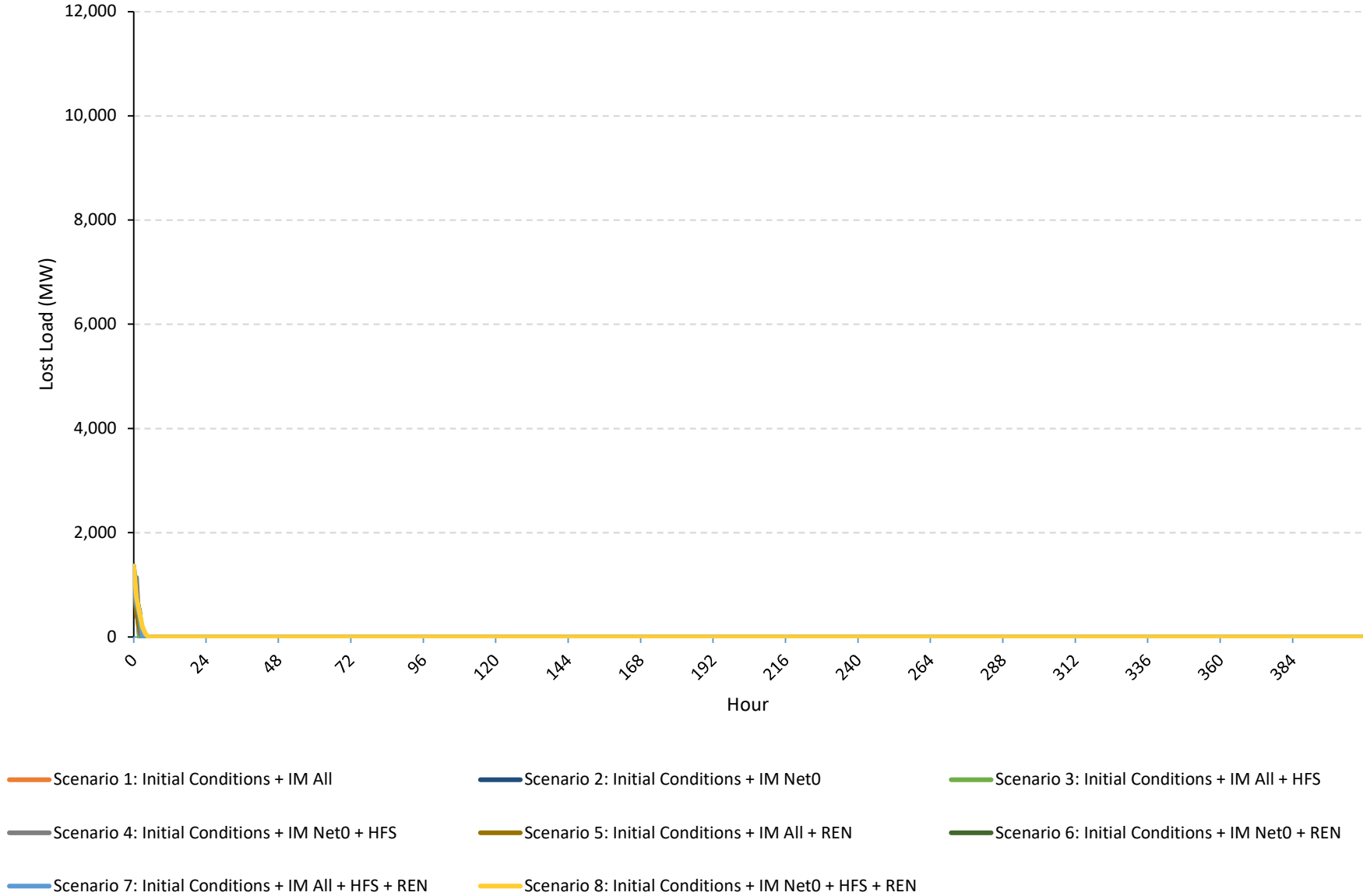
NYCA Lost Load Duration (MWh) - Winter 2026/2027

PD 1 No Disruptions



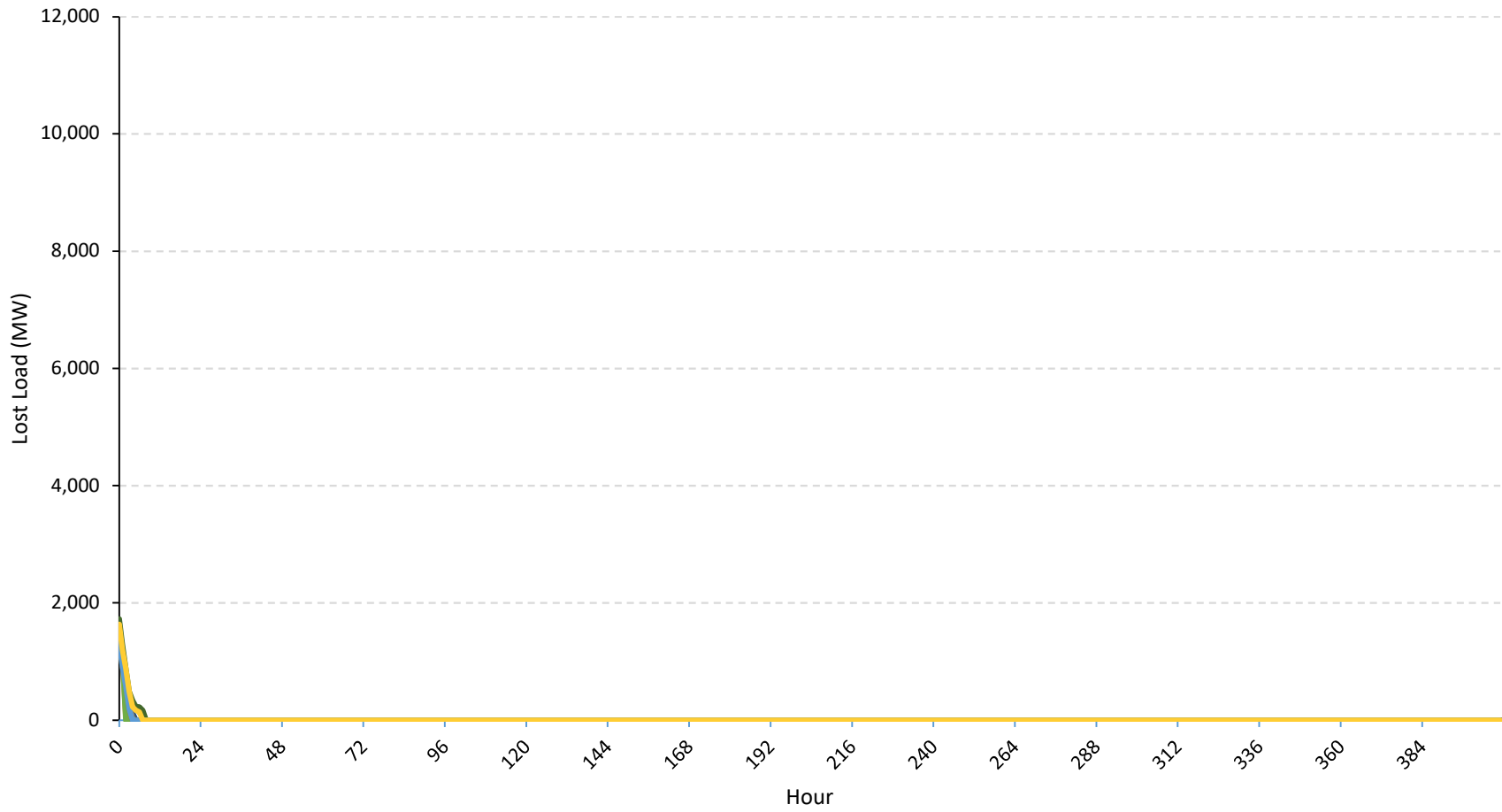
NYCA Lost Load Duration (MWh) - Winter 2026/2027

PD 2 High Outage



NYCA Lost Load Duration (MWh) - Winter 2026/2027

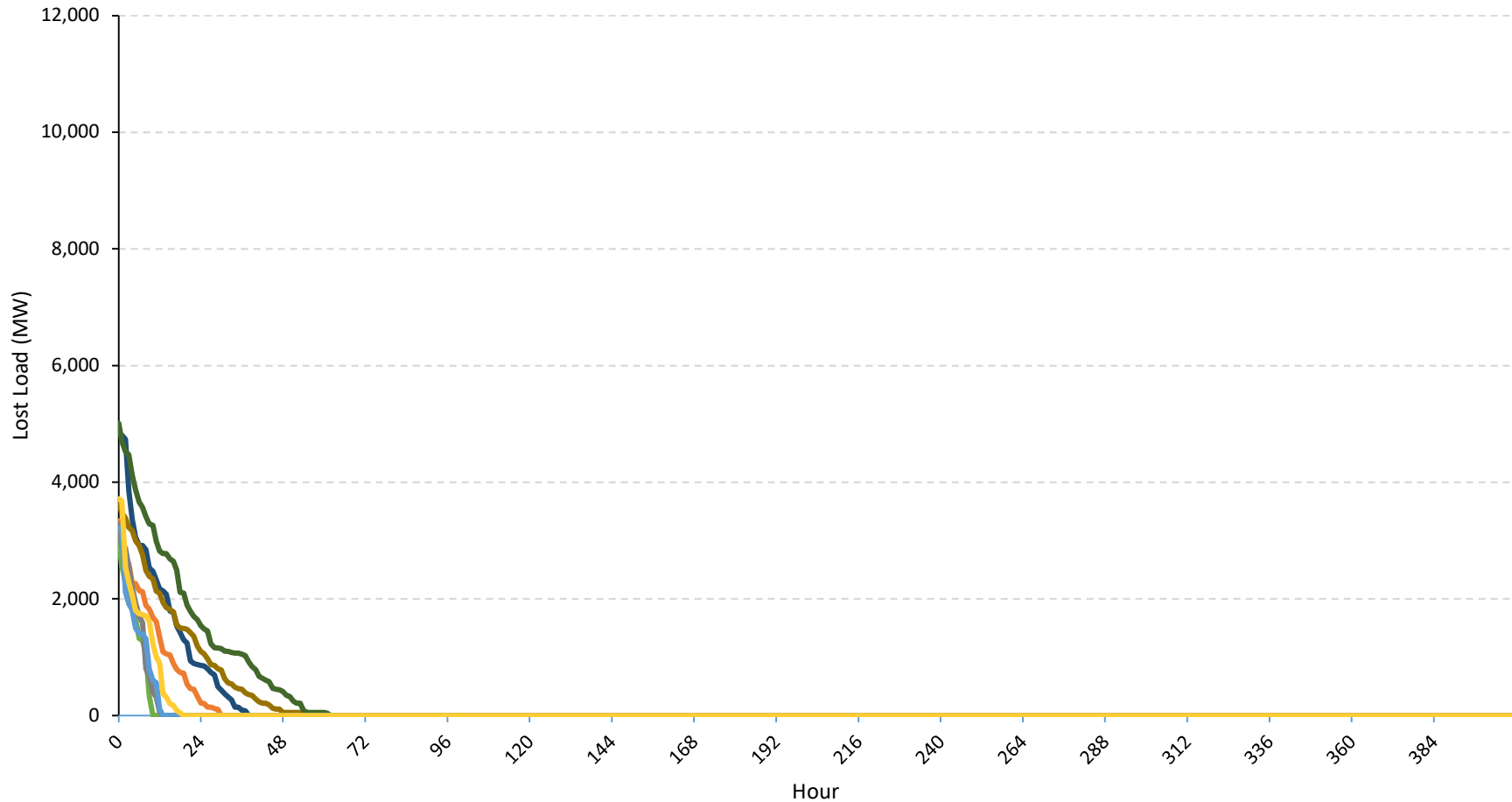
PD 3 SENY Deactivation



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027

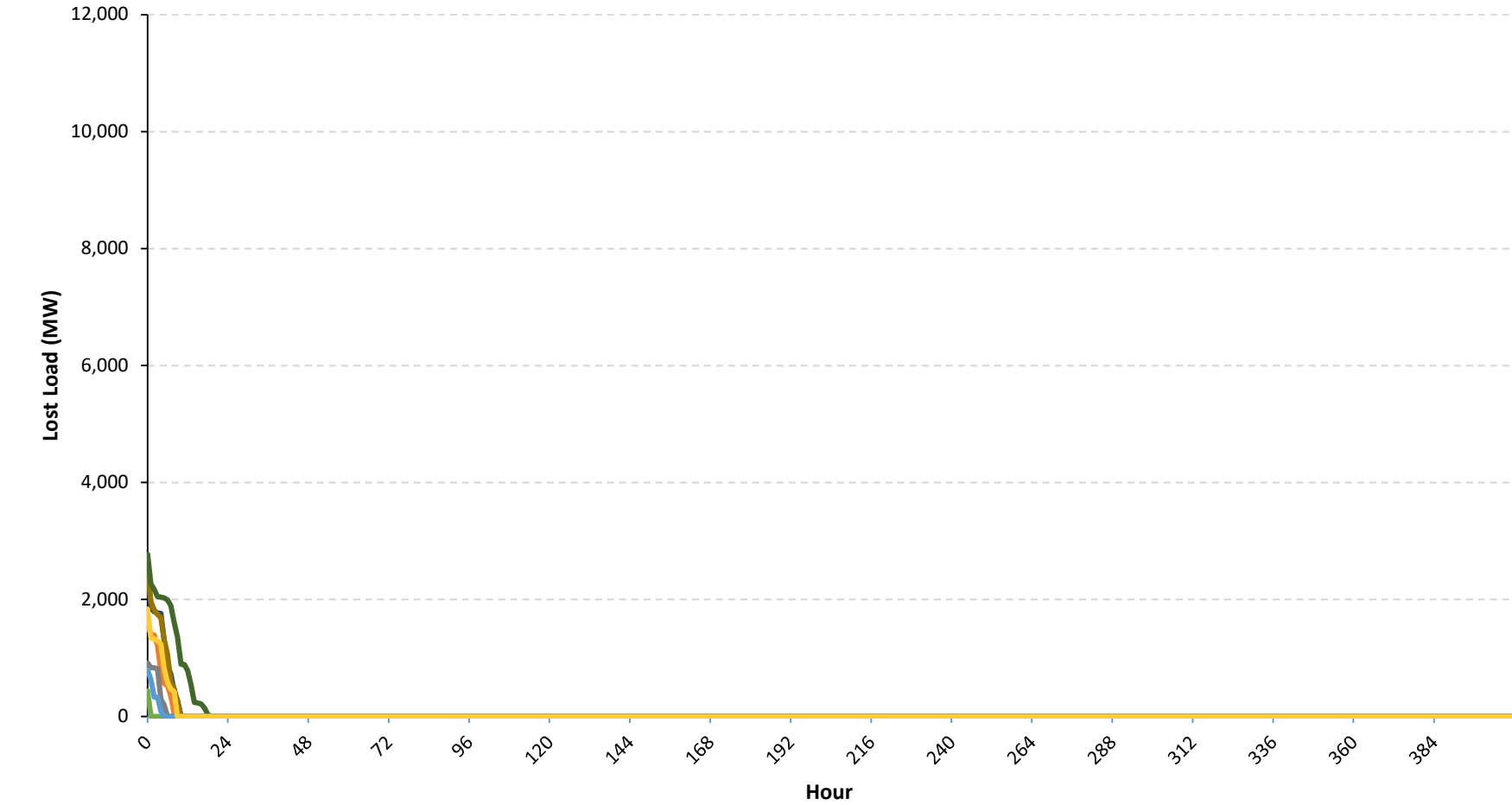
PD 4 Nuclear Station Outage



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027

PD 5 No Truck Refill



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

Scenario 5: Initial Conditions + IM All + REN

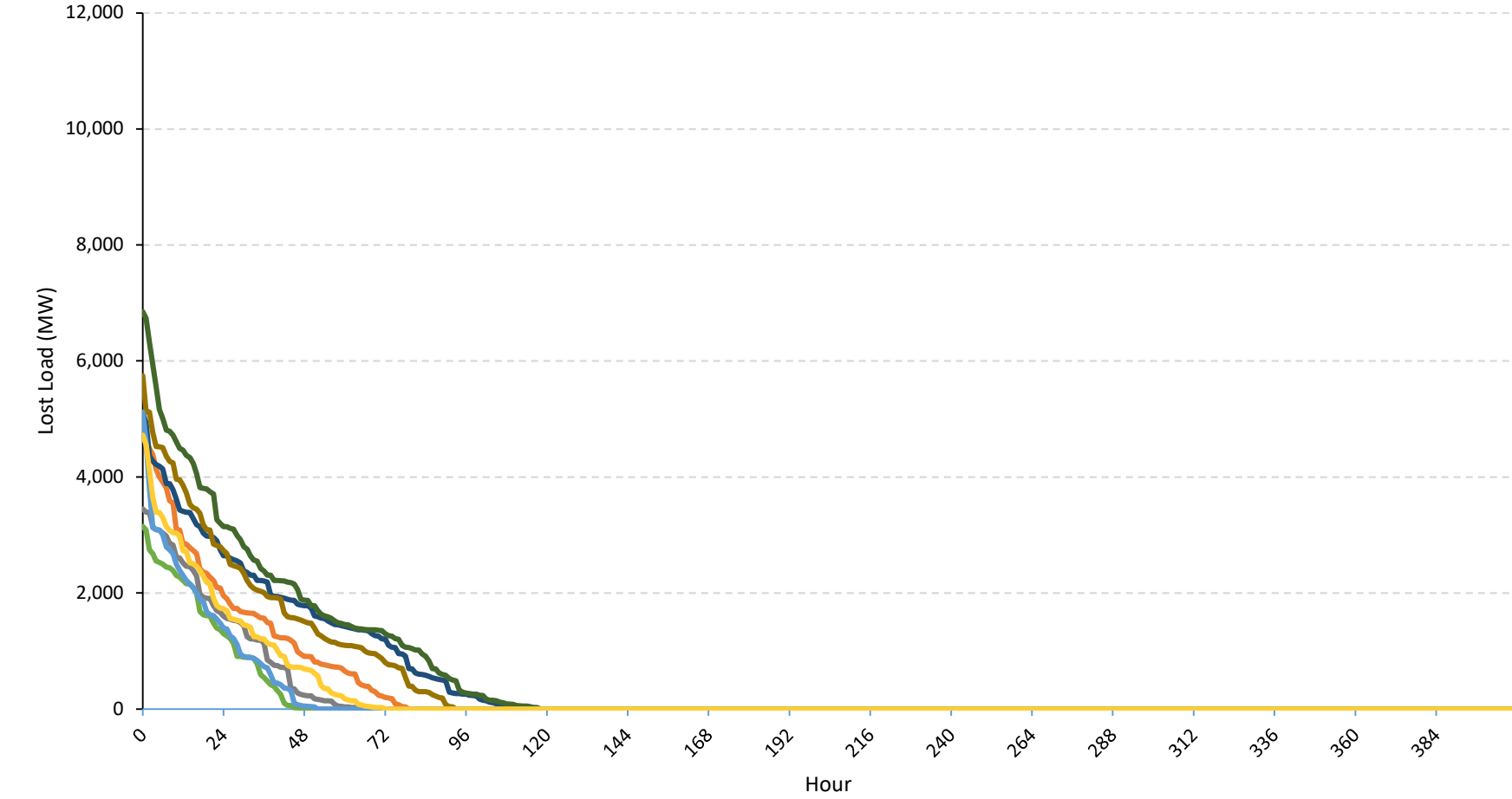
Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027

PD 6 No Barge Refill



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

Scenario 5: Initial Conditions + IM All + REN

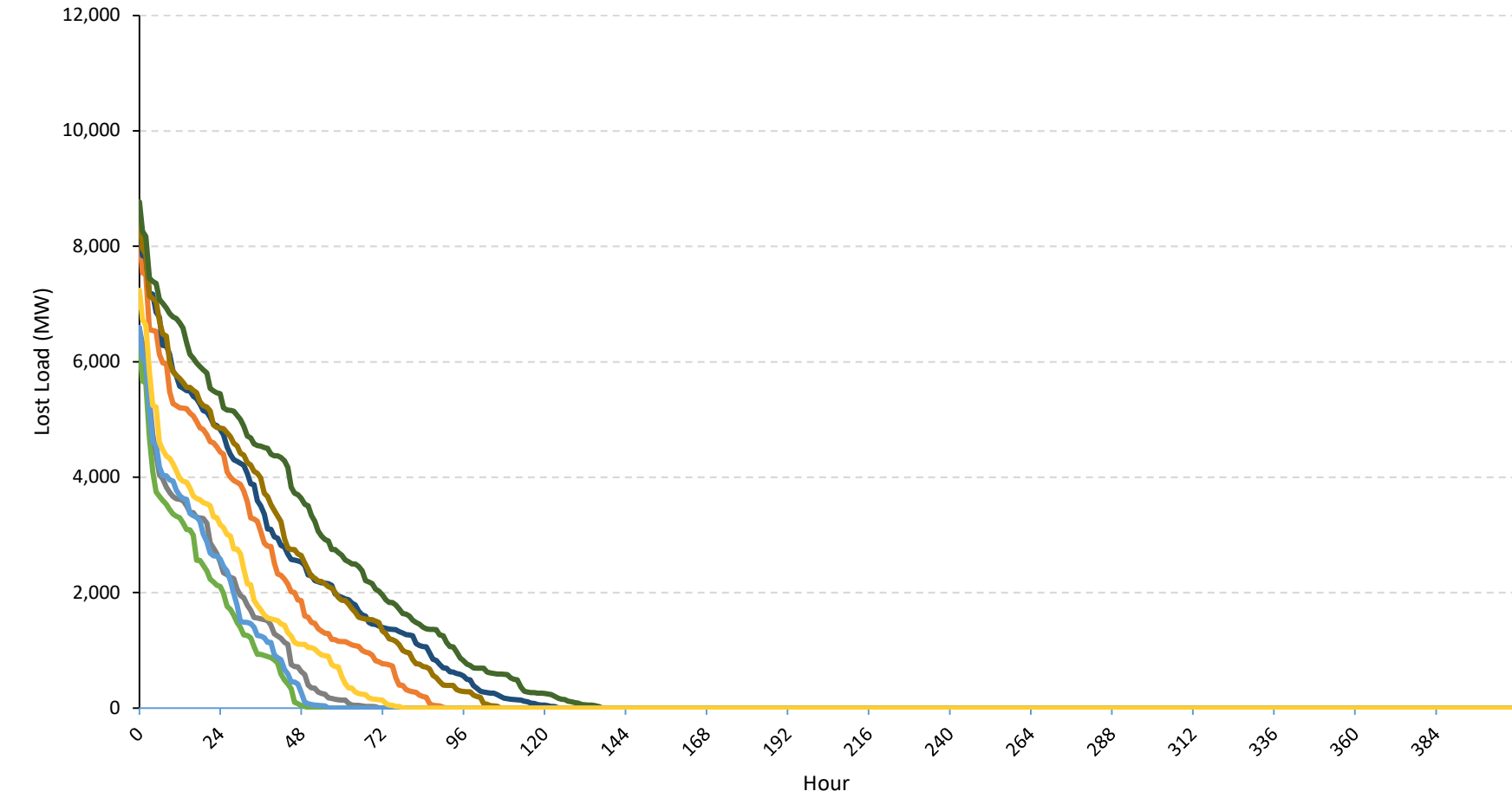
Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027

PD 7 No Refill



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

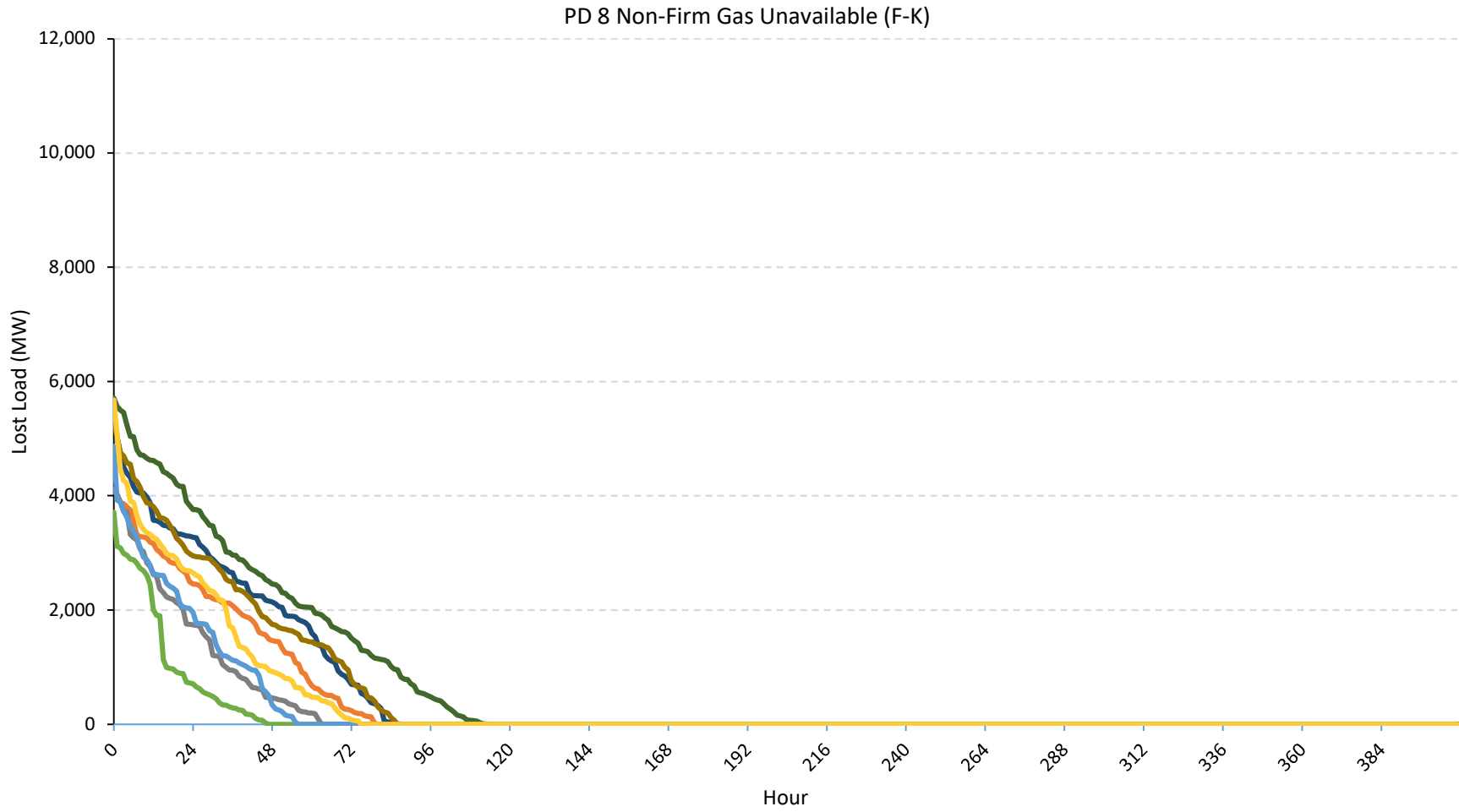
Scenario 5: Initial Conditions + IM All + REN

Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

Scenario 5: Initial Conditions + IM All + REN

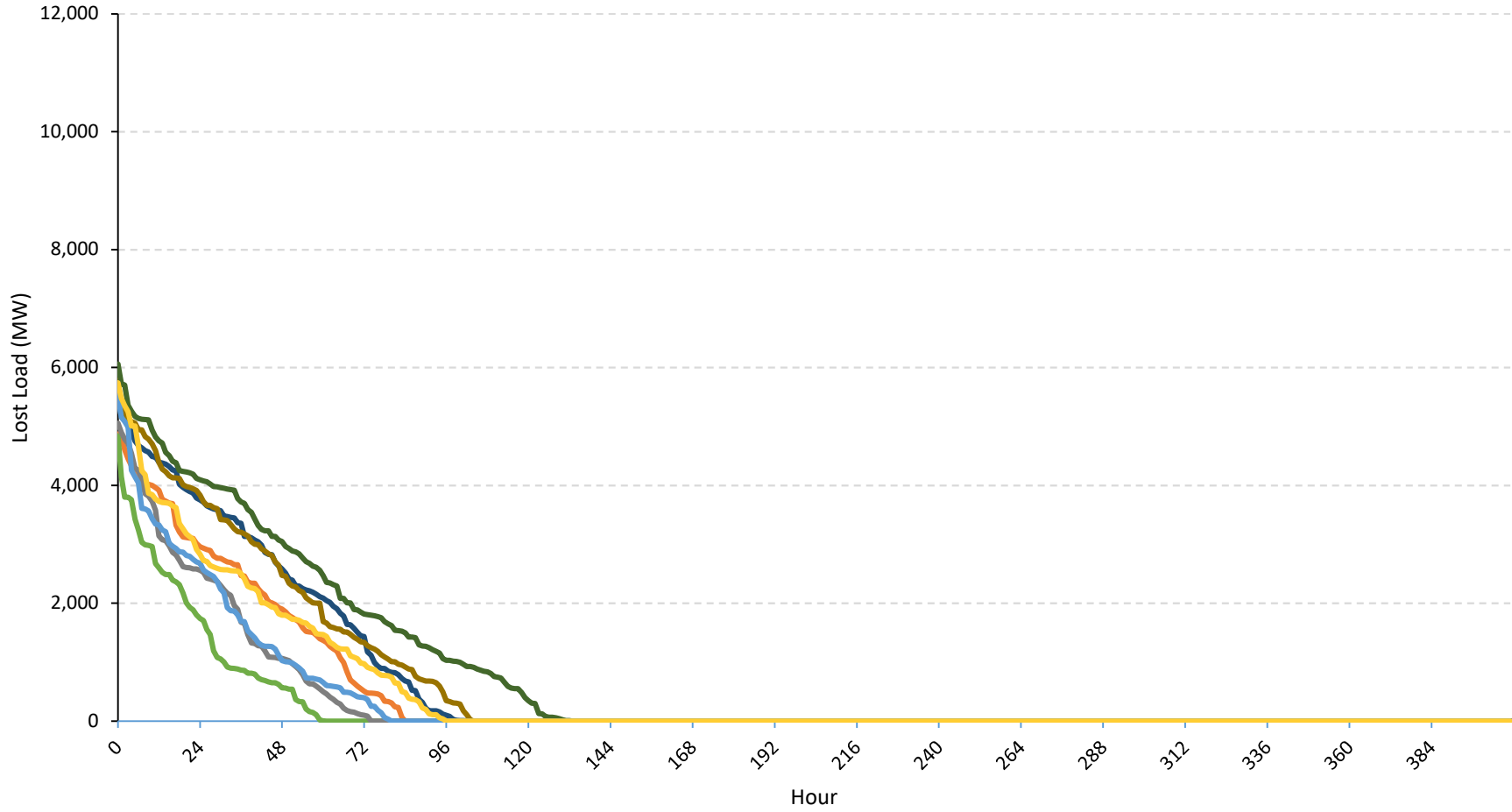
Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027

PD 9 Non-Firm Gas Unavailable (NYCA)



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

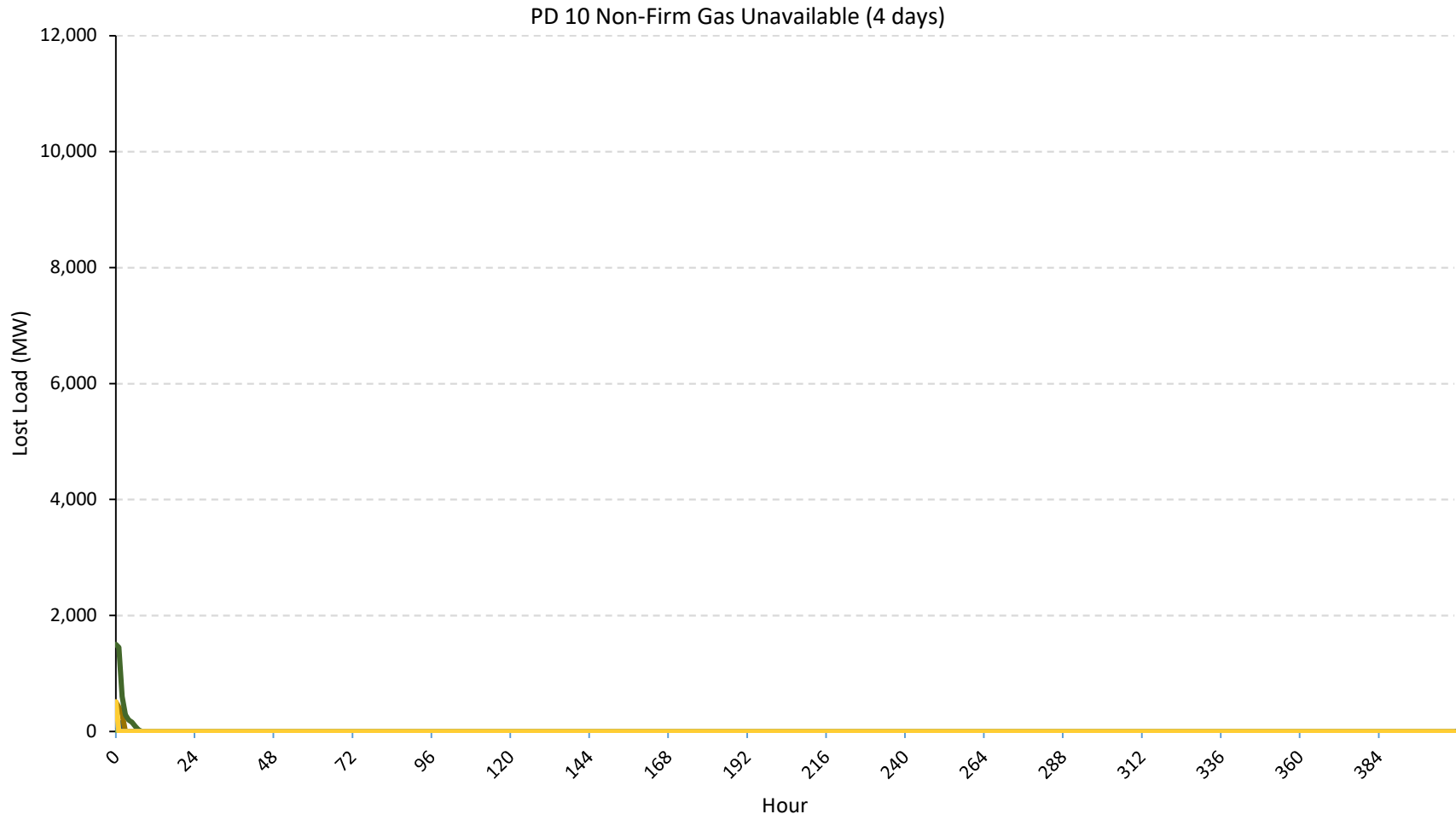
Scenario 5: Initial Conditions + IM All + REN

Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

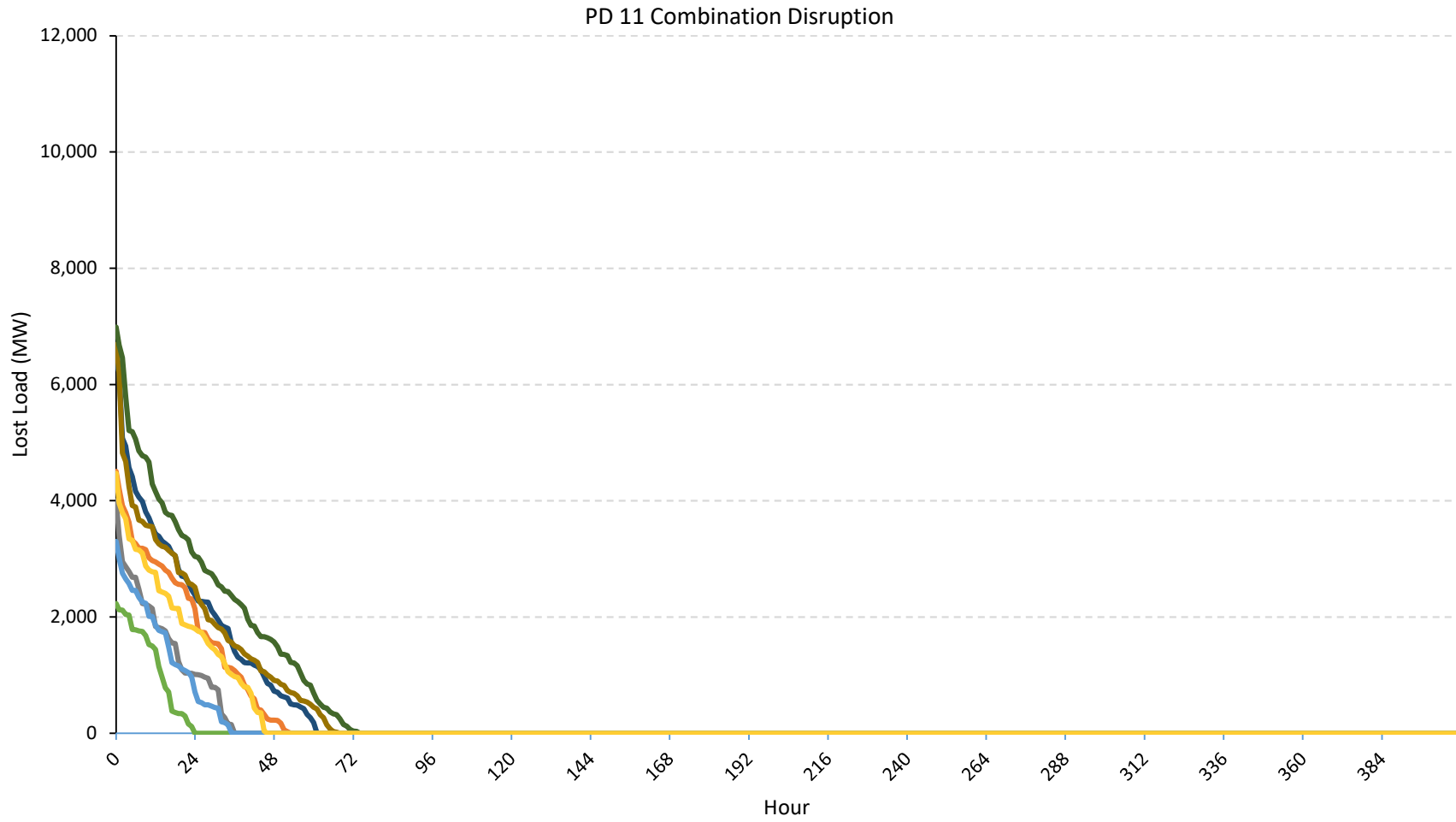
Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2026/2027



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

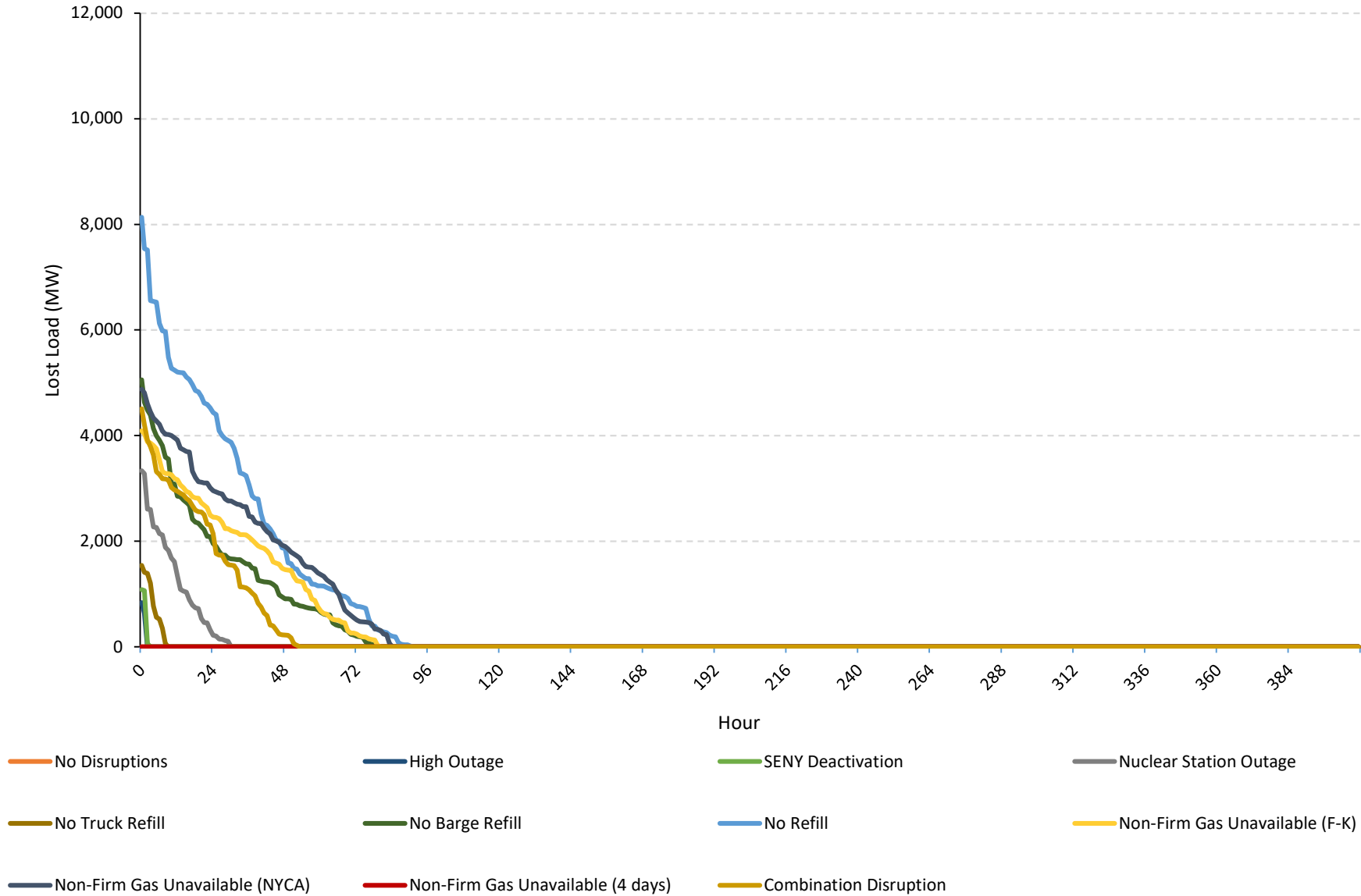
NYCA Lost Load Duration (MWh) - Winter 2026/2027



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

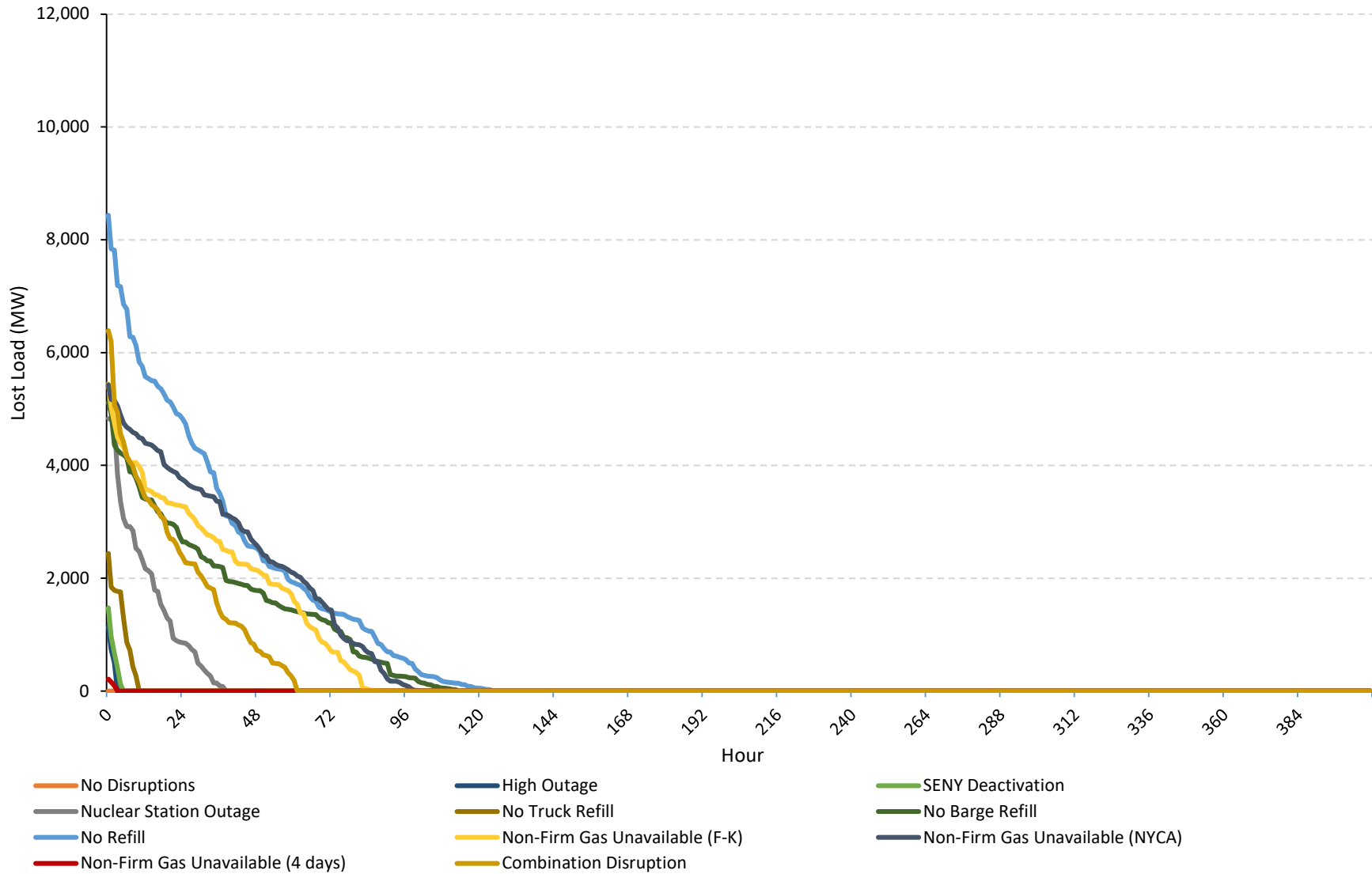
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 1: Initial Conditions + IM All



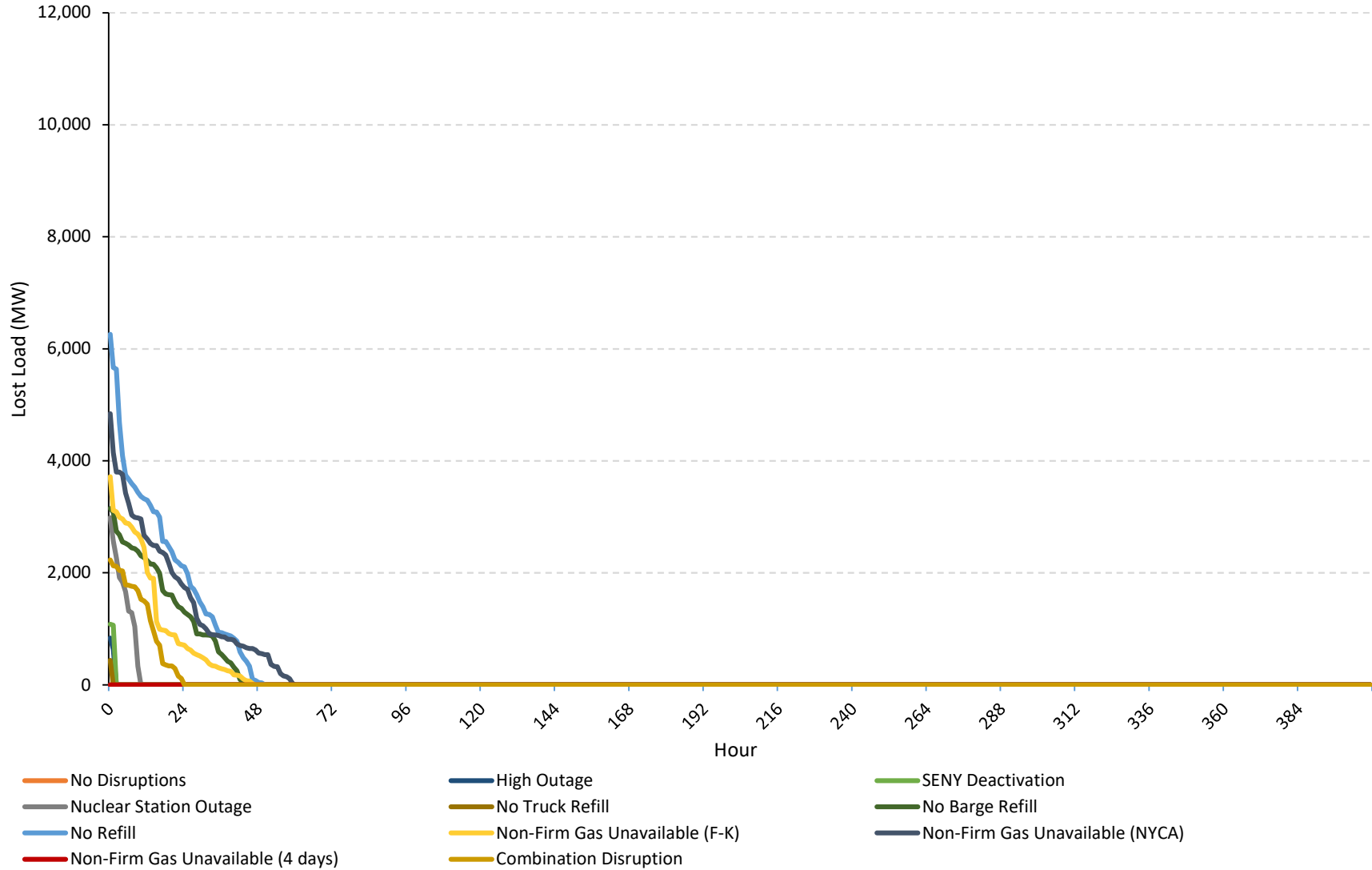
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 2: Initial Conditions + IM Net0



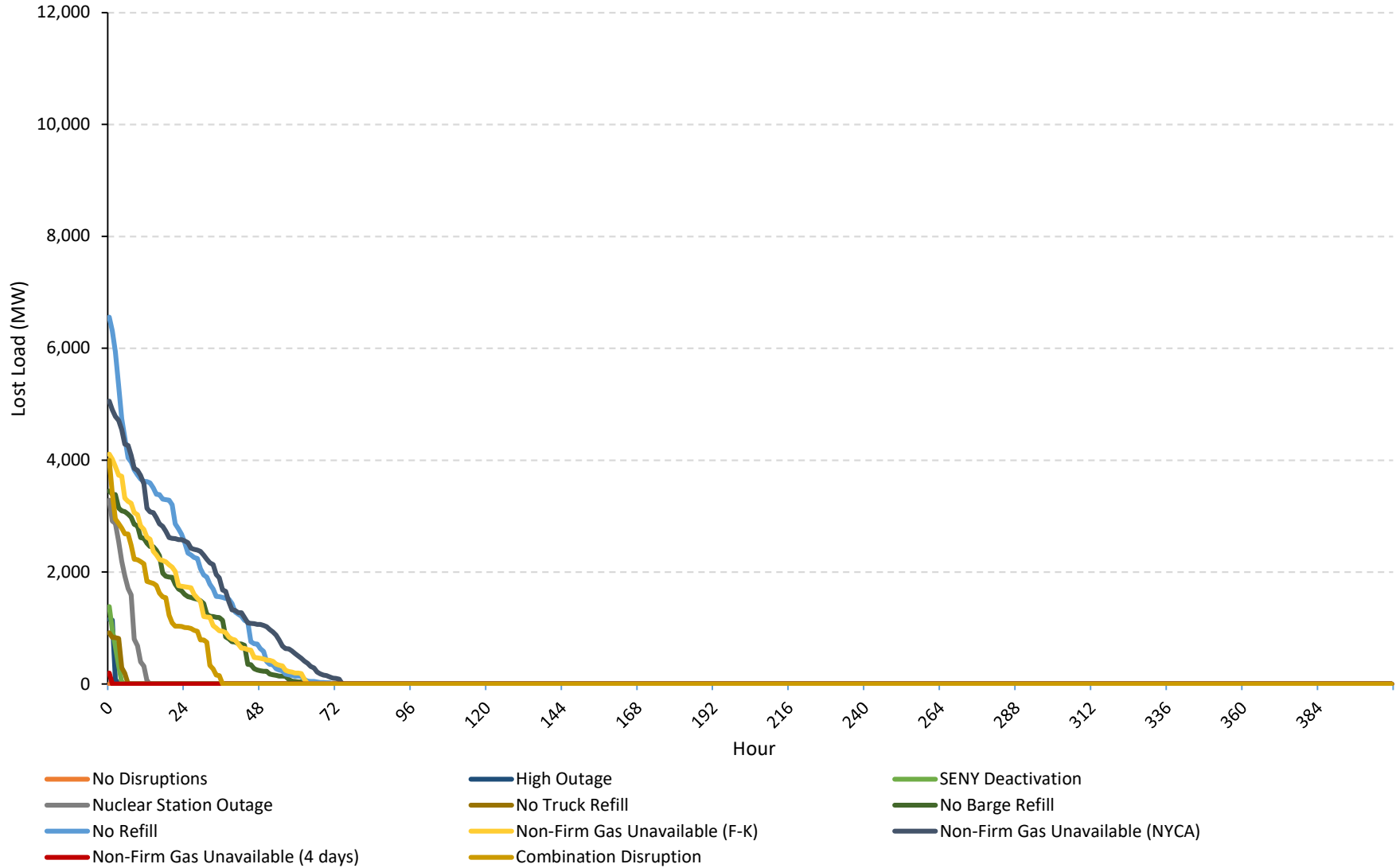
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 3: Initial Conditions + IM All + HFS



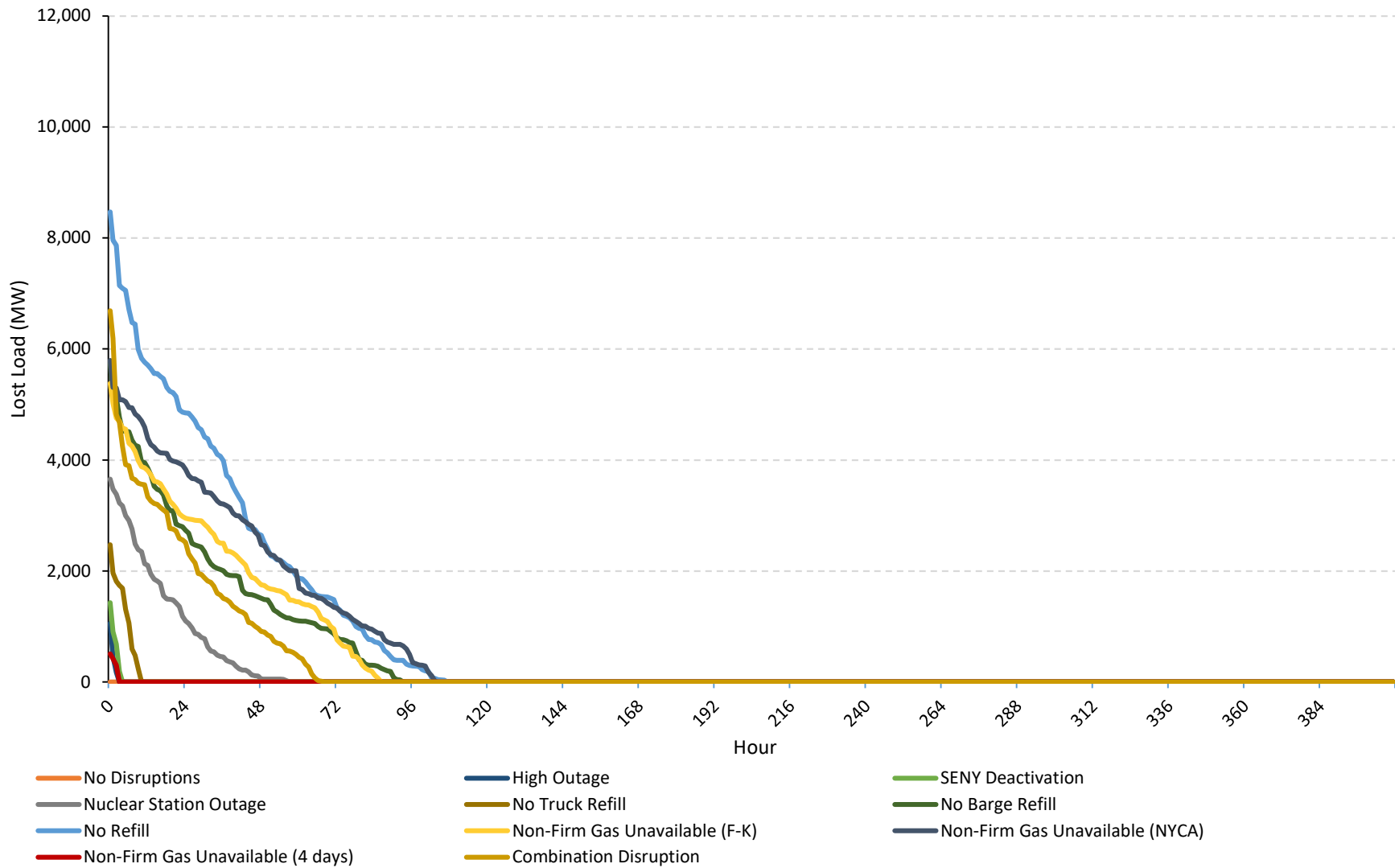
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 4: Initial Conditions + IM Net0 + HFS



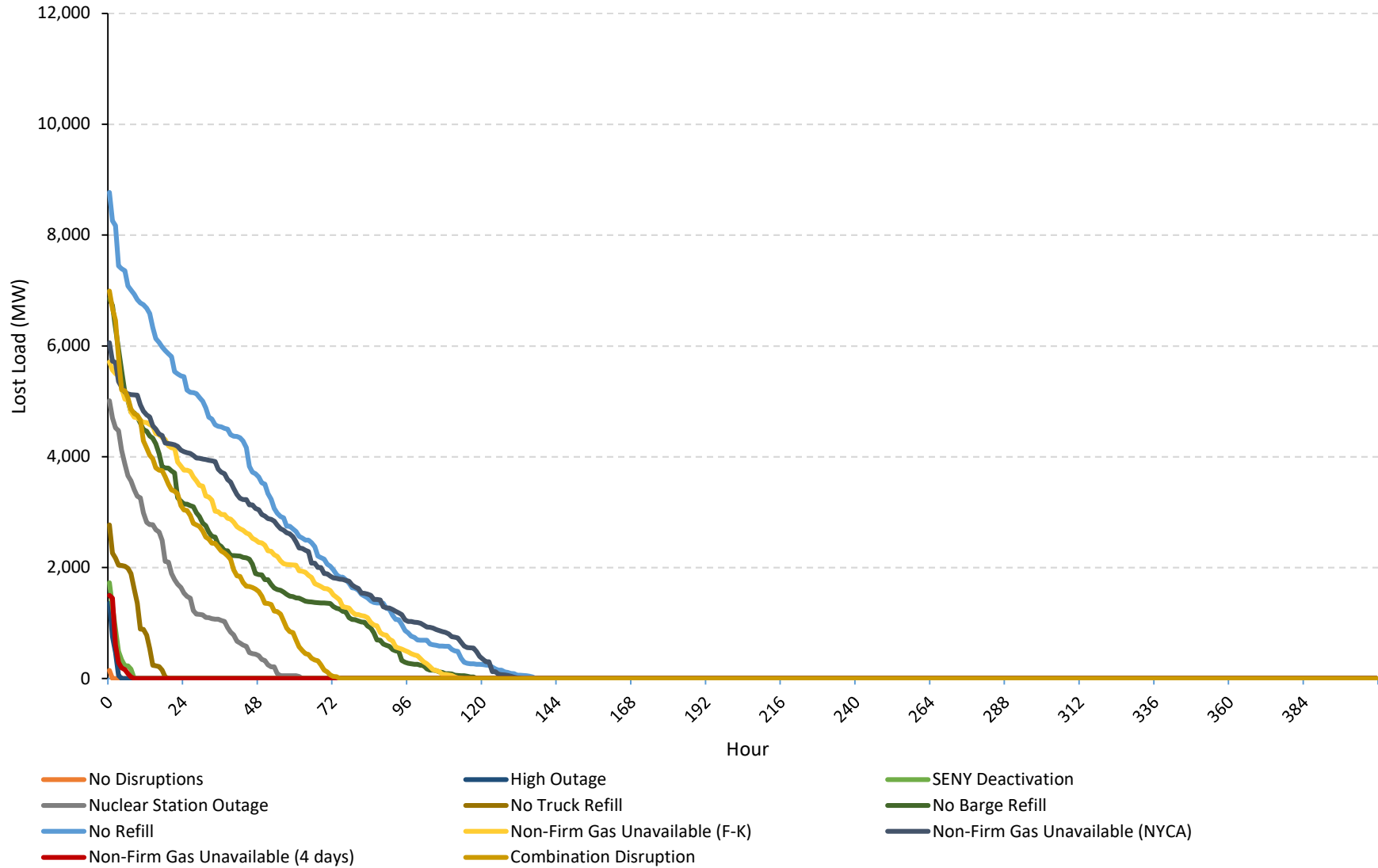
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 5: Initial Conditions + IM All + REN



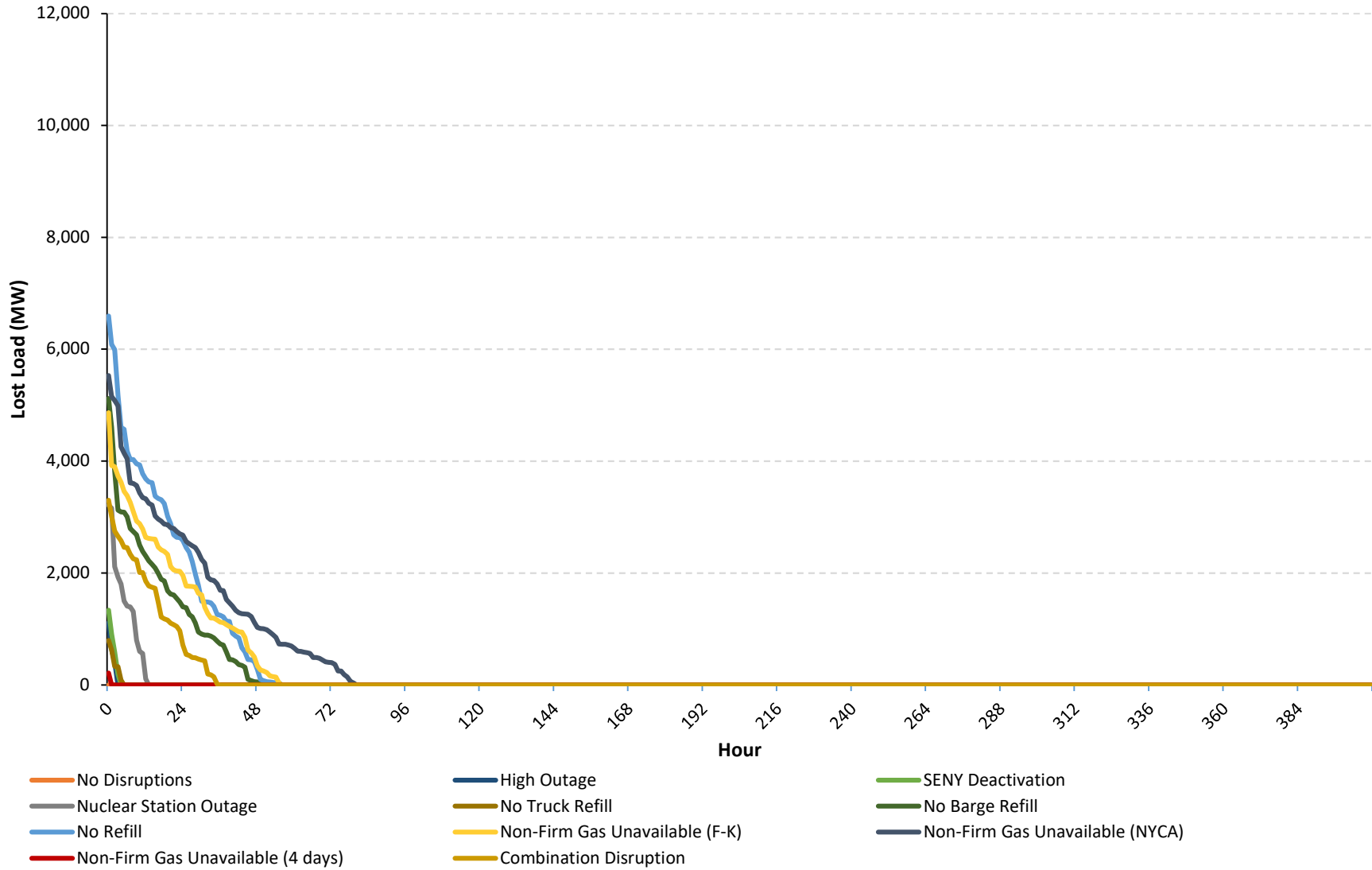
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 6: Initial Conditions + IM Net0 + REN



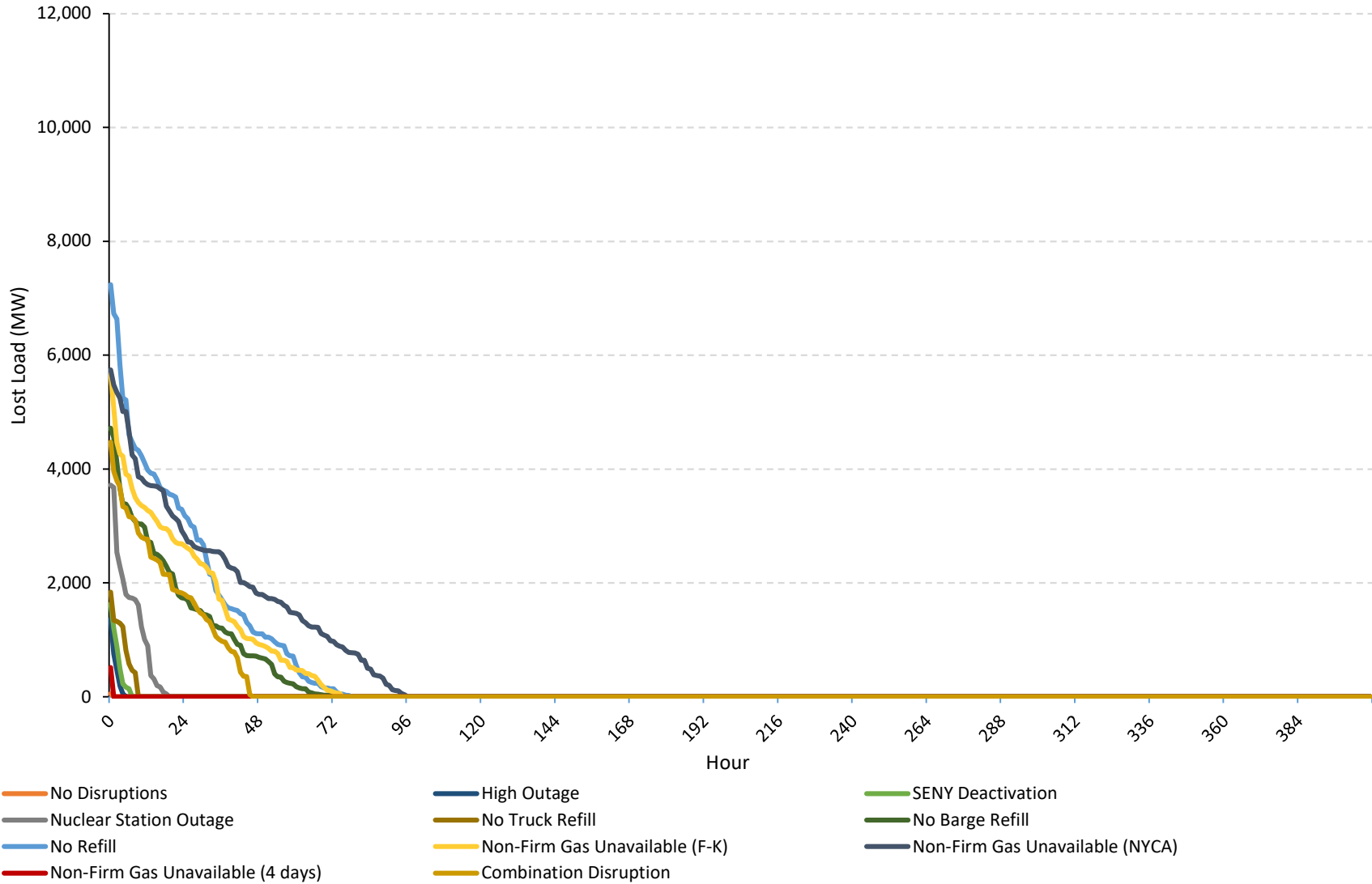
NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 7: Initial Conditions + IM All + HFS + REN



NYCA Lost Load Duration (MWh) - Winter 2026/2027

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

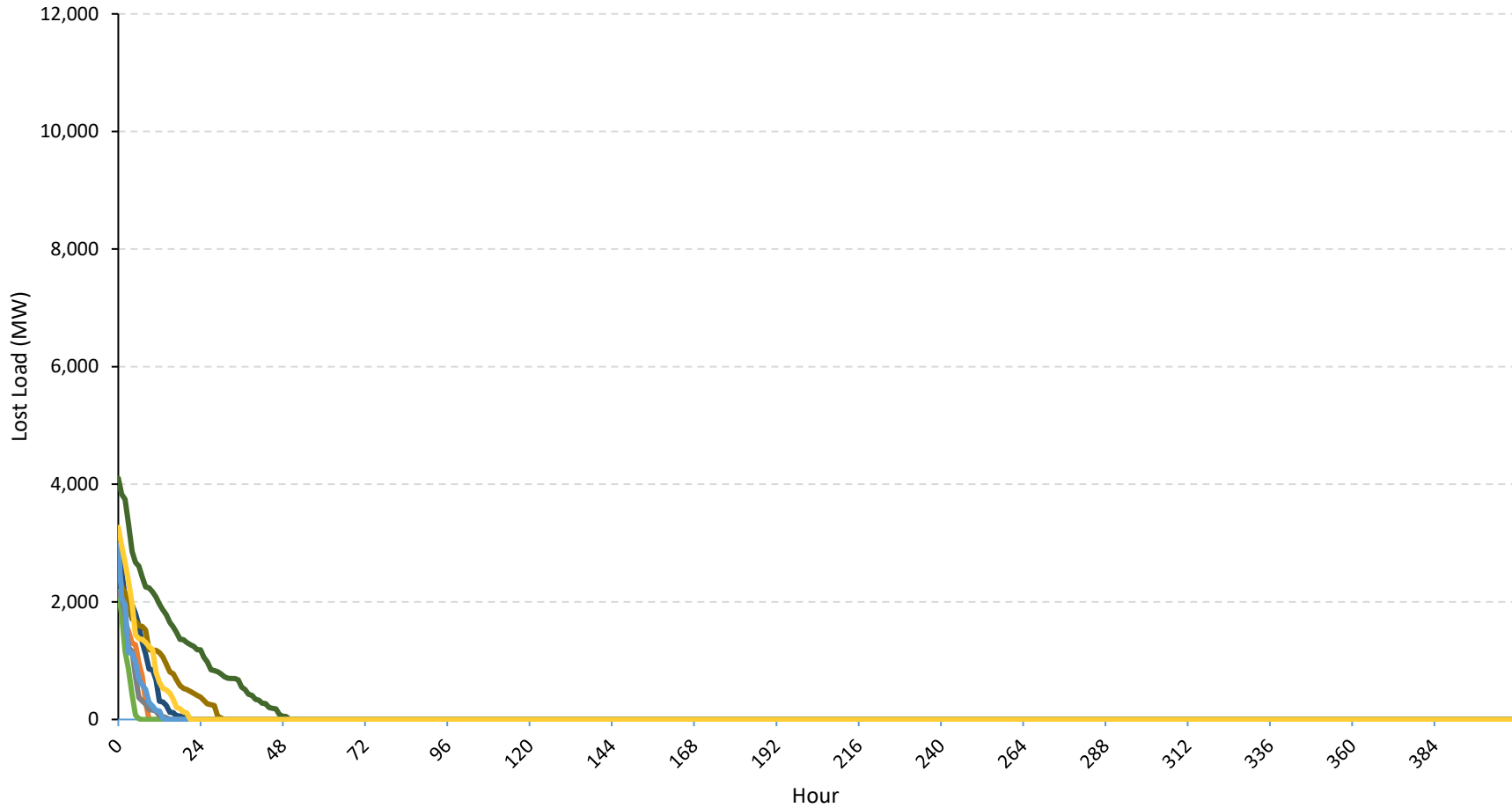


Appendix D. Loss of Load Duration Curves for all Scenarios and Disruptions

Winter 2030/2031

NYCA Lost Load Duration (MWh) - Winter 2030/2031

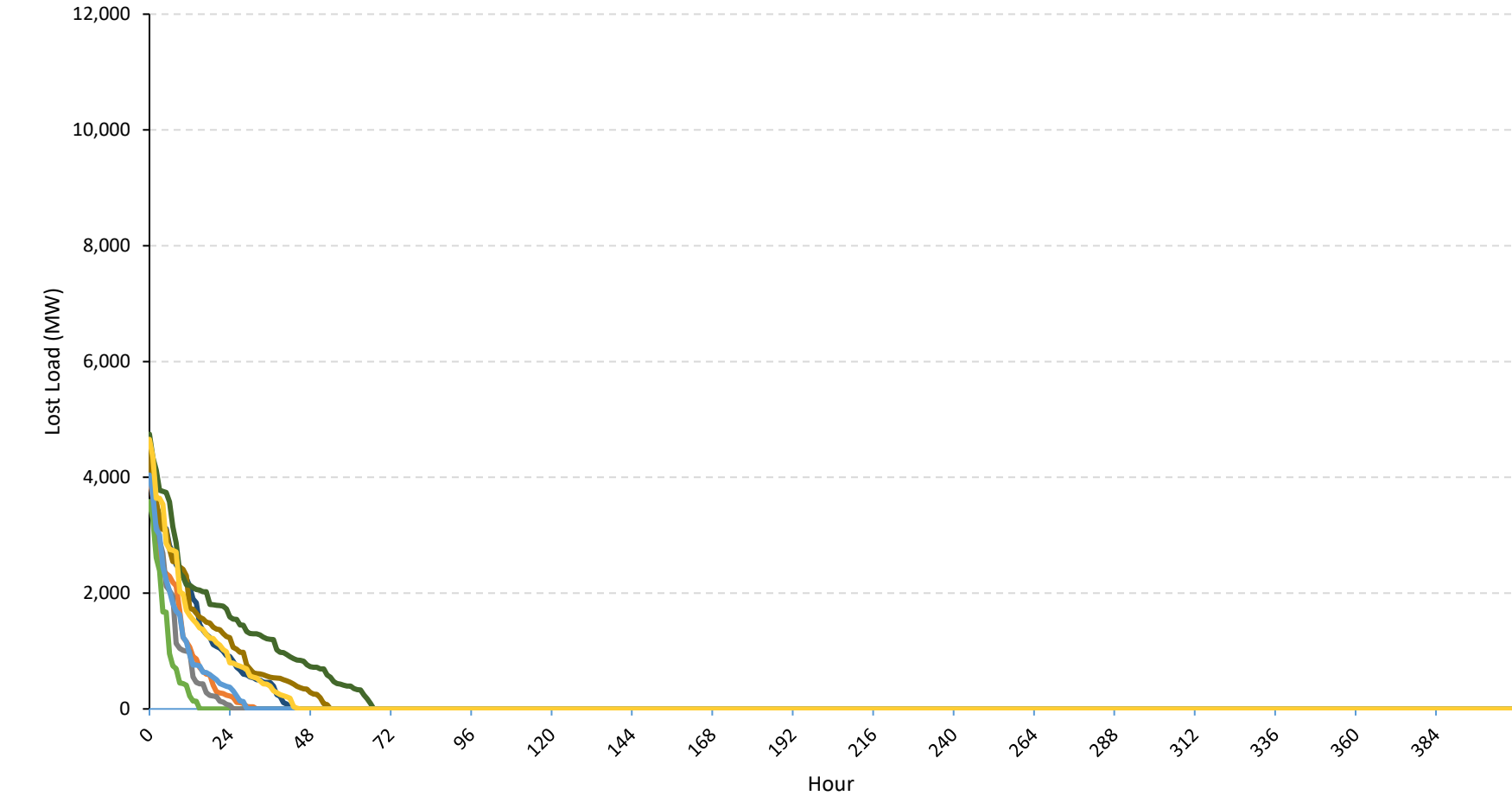
PD 1 No Disruptions



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031

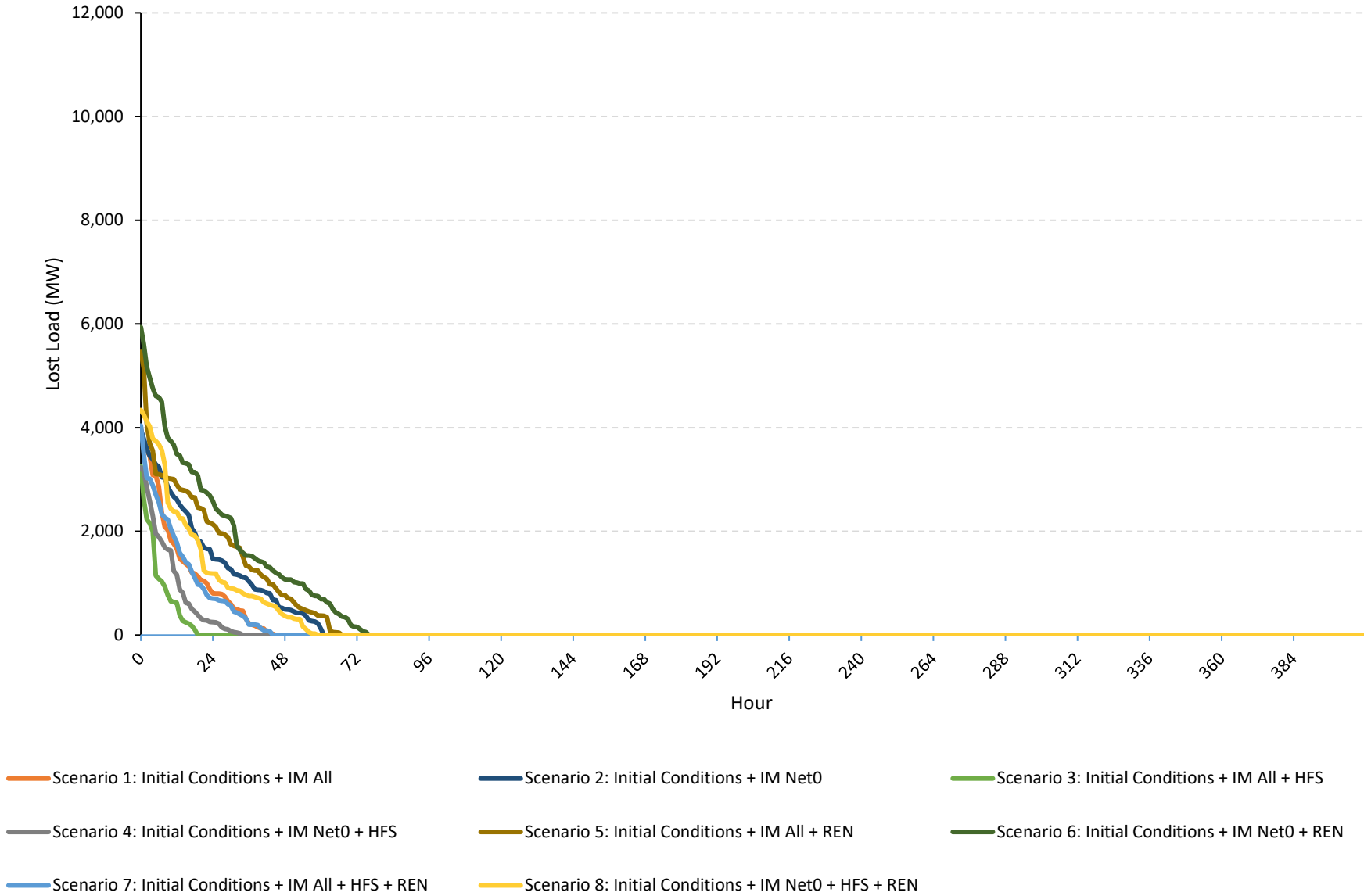
PD 2 High Outage



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

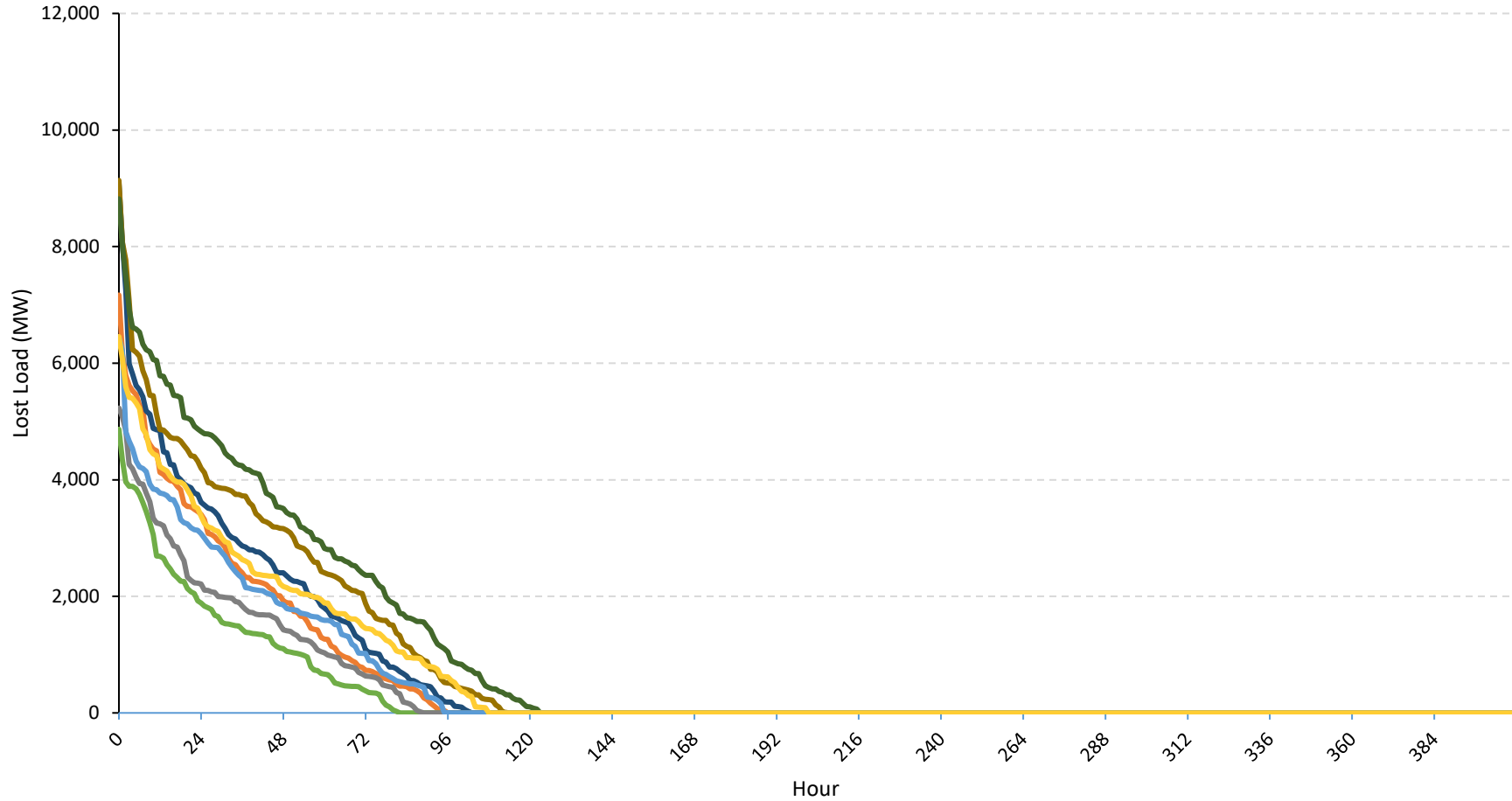
NYCA Lost Load Duration (MWh) - Winter 2030/2031

PD 3 SENY Deactivation



NYCA Lost Load Duration (MWh) - Winter 2030/2031

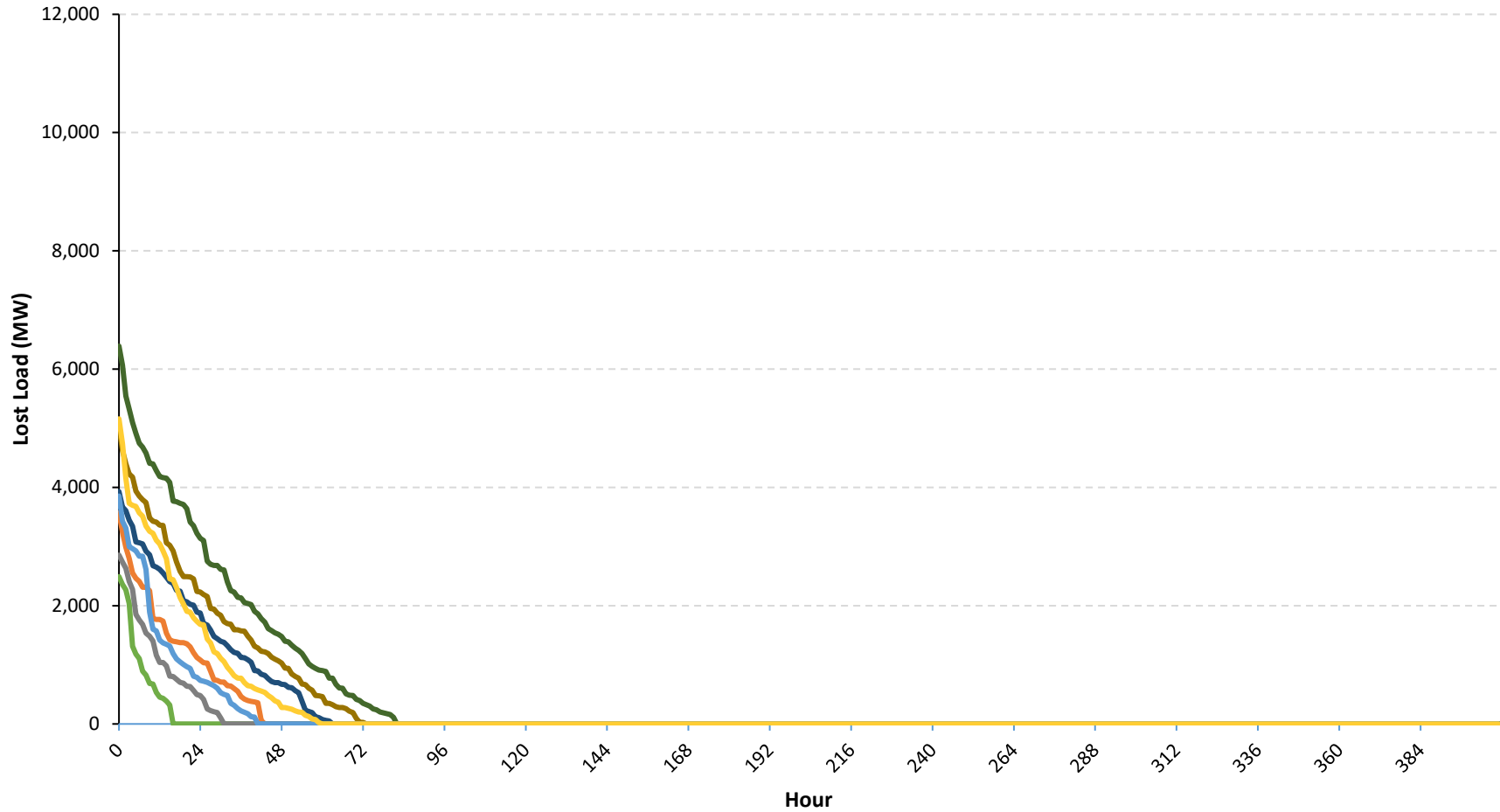
PD 4 Nuclear Station Outage



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031

PD 5 No Truck Refill



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

Scenario 5: Initial Conditions + IM All + REN

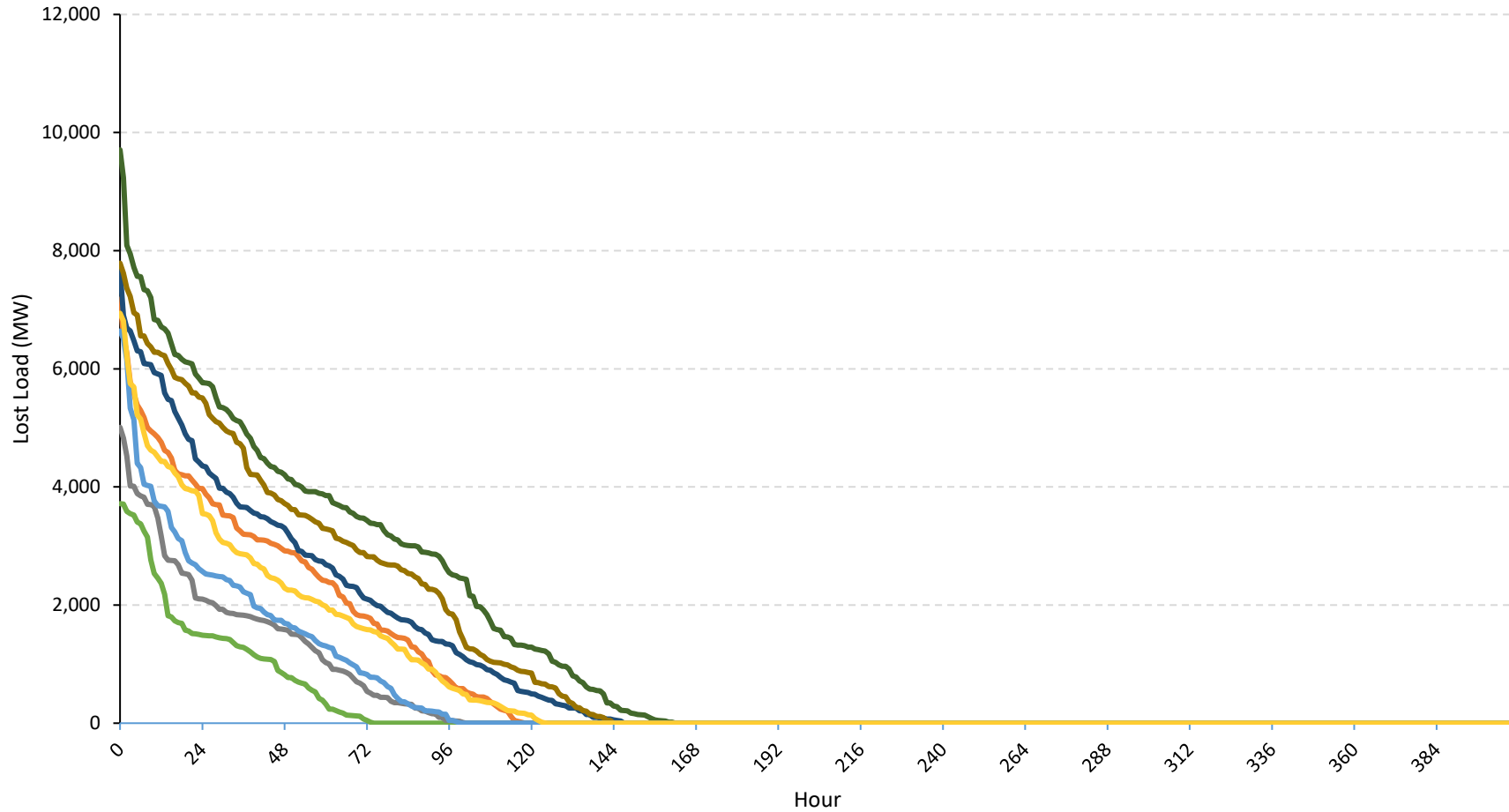
Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031

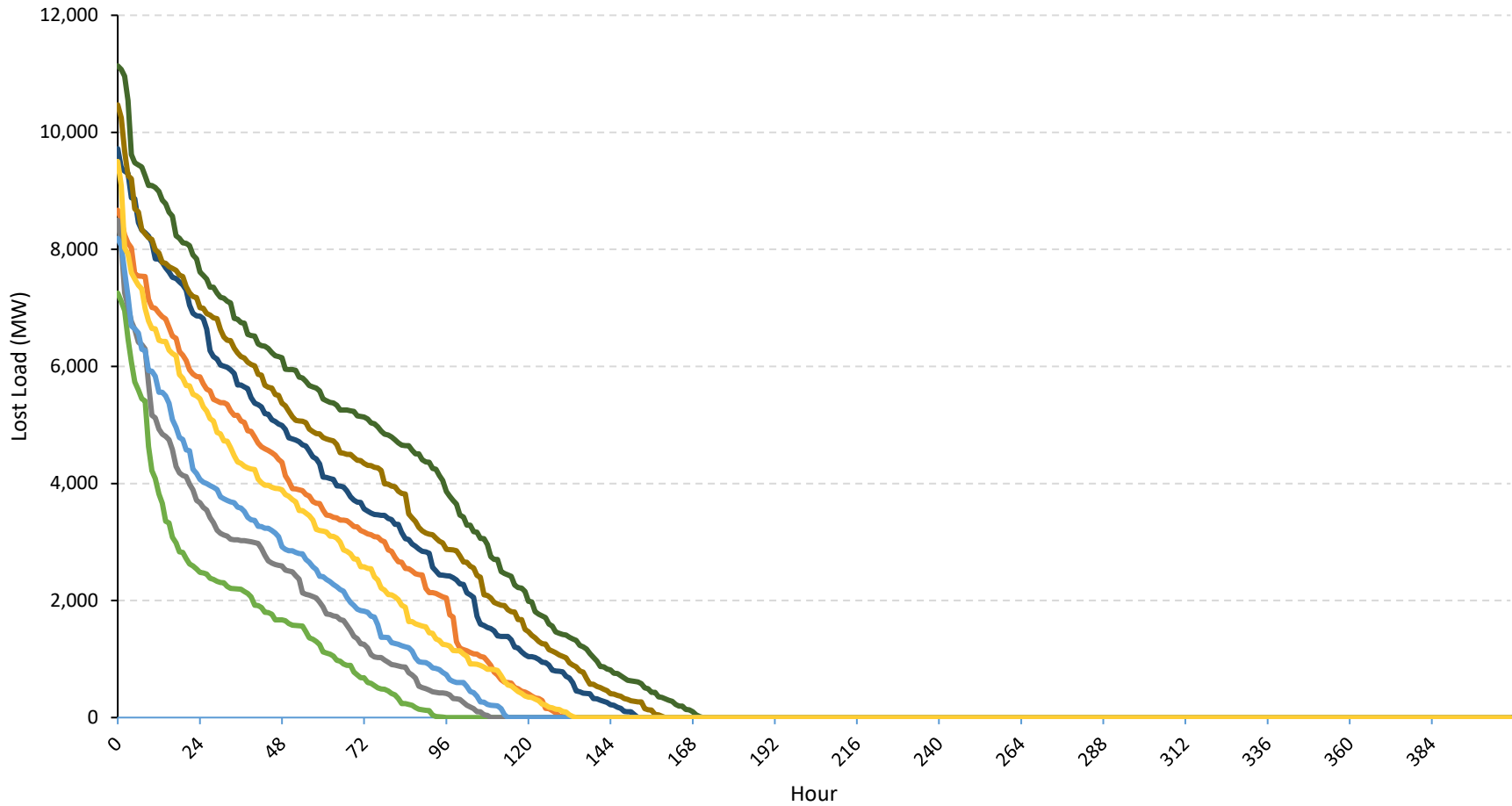
PD 6 No Barge Refill



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031

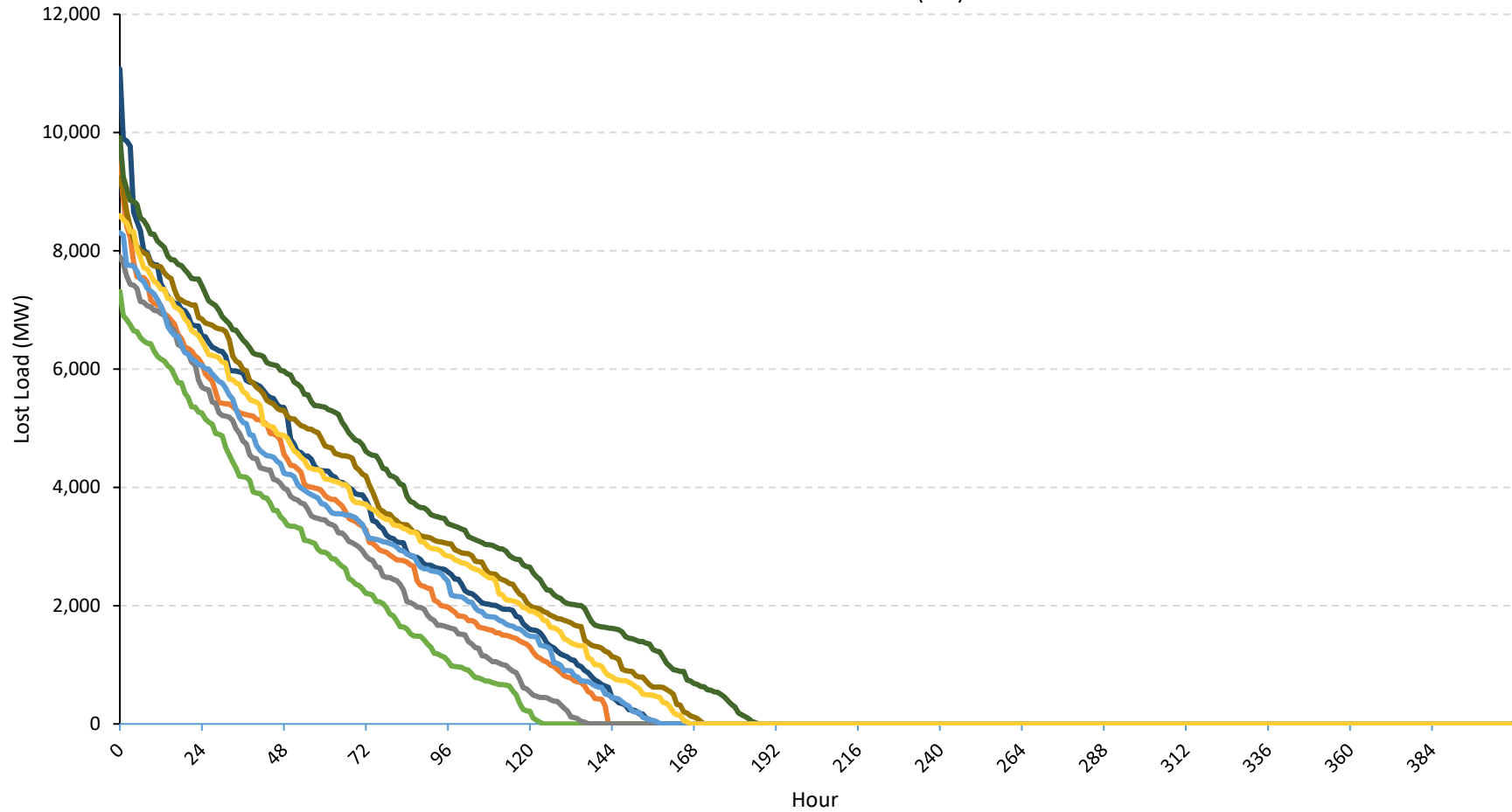
PD 7 No Refill



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031

PD 8 Non-Firm Gas Unavailable (F-K)



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

Scenario 5: Initial Conditions + IM All + REN

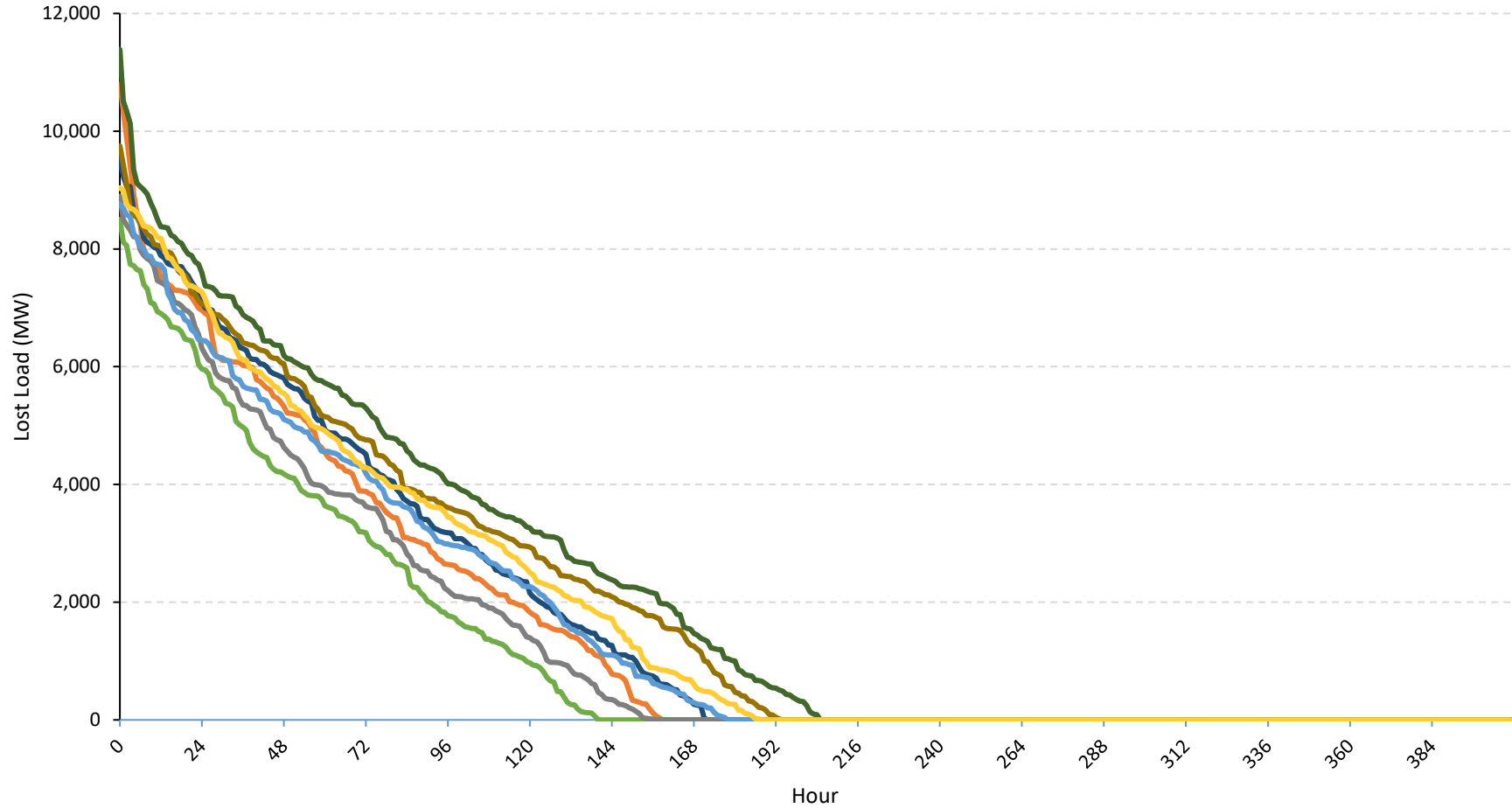
Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031

PD 9 Non-Firm Gas Unavailable (NYCA)



Scenario 1: Initial Conditions + IM All

Scenario 2: Initial Conditions + IM Net0

Scenario 3: Initial Conditions + IM All + HFS

Scenario 4: Initial Conditions + IM Net0 + HFS

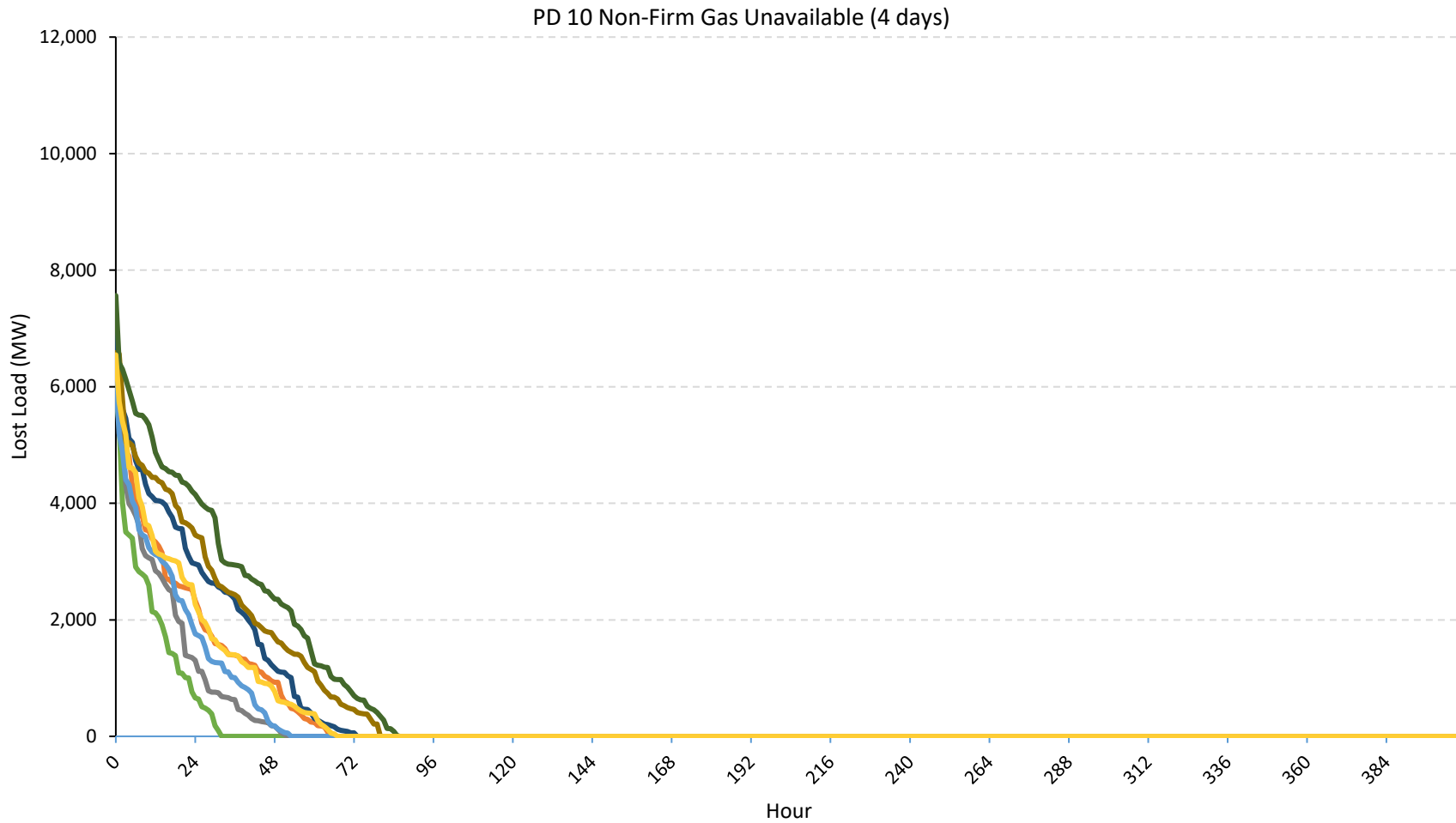
Scenario 5: Initial Conditions + IM All + REN

Scenario 6: Initial Conditions + IM Net0 + REN

Scenario 7: Initial Conditions + IM All + HFS + REN

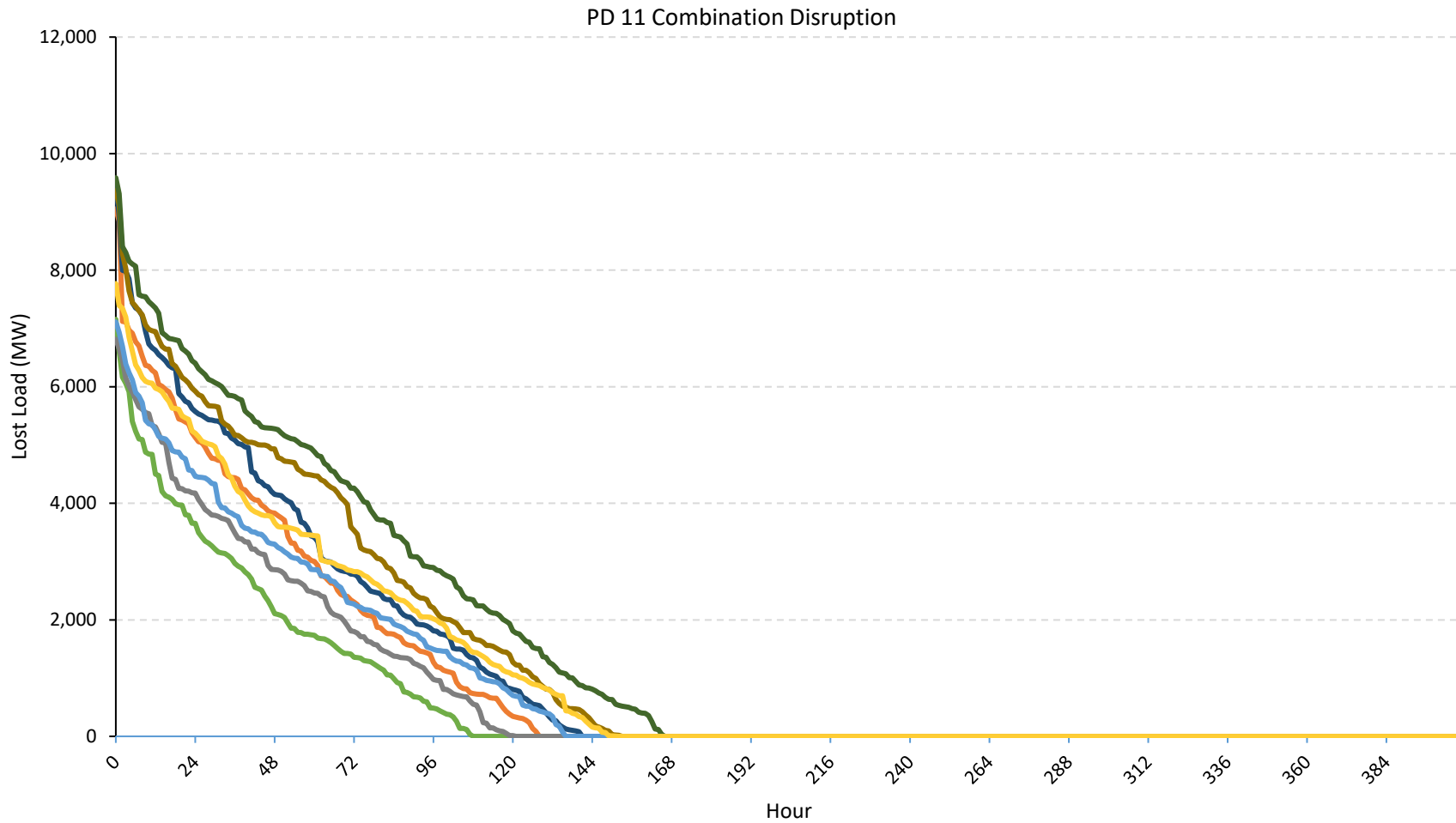
Scenario 8: Initial Conditions + IM Net0 + HFS + REN

NYCA Lost Load Duration (MWh) - Winter 2030/2031



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

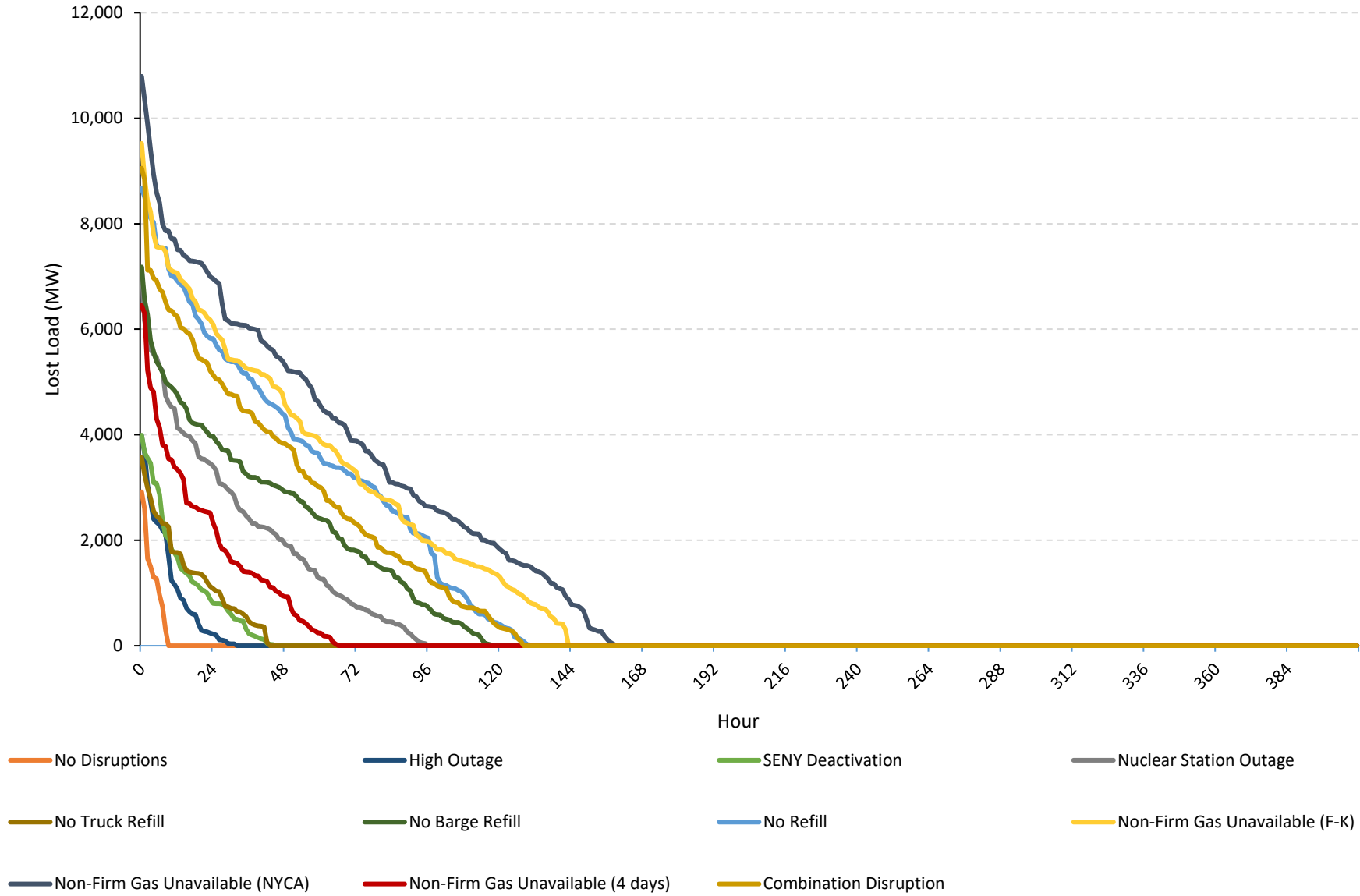
NYCA Lost Load Duration (MWh) - Winter 2030/2031



- Scenario 1: Initial Conditions + IM All
- Scenario 2: Initial Conditions + IM Net0
- Scenario 3: Initial Conditions + IM All + HFS
- Scenario 4: Initial Conditions + IM Net0 + HFS
- Scenario 5: Initial Conditions + IM All + REN
- Scenario 6: Initial Conditions + IM Net0 + REN
- Scenario 7: Initial Conditions + IM All + HFS + REN
- Scenario 8: Initial Conditions + IM Net0 + HFS + REN

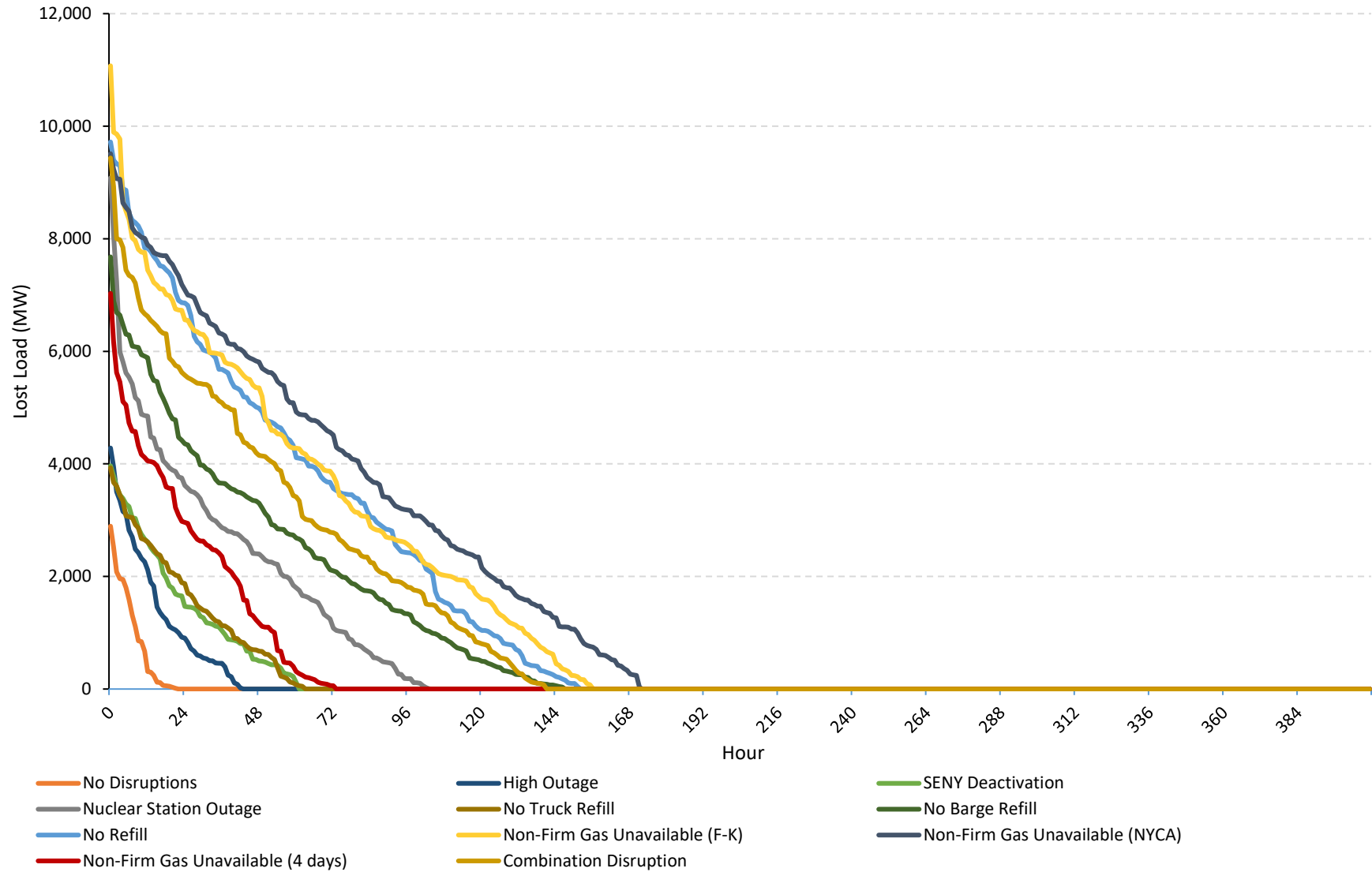
NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 1: Initial Conditions + IM All



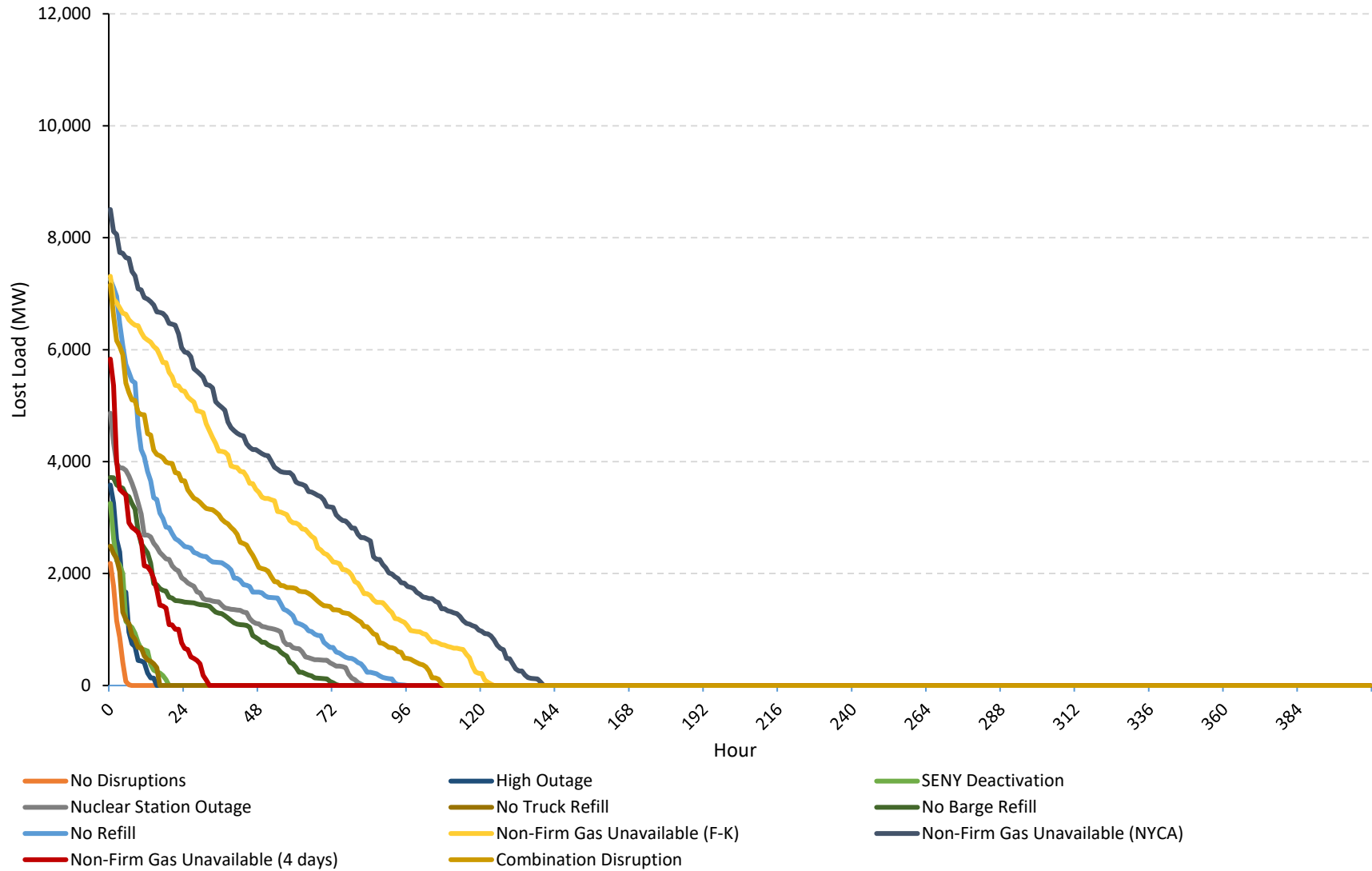
NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 2: Initial Conditions + IM Net0



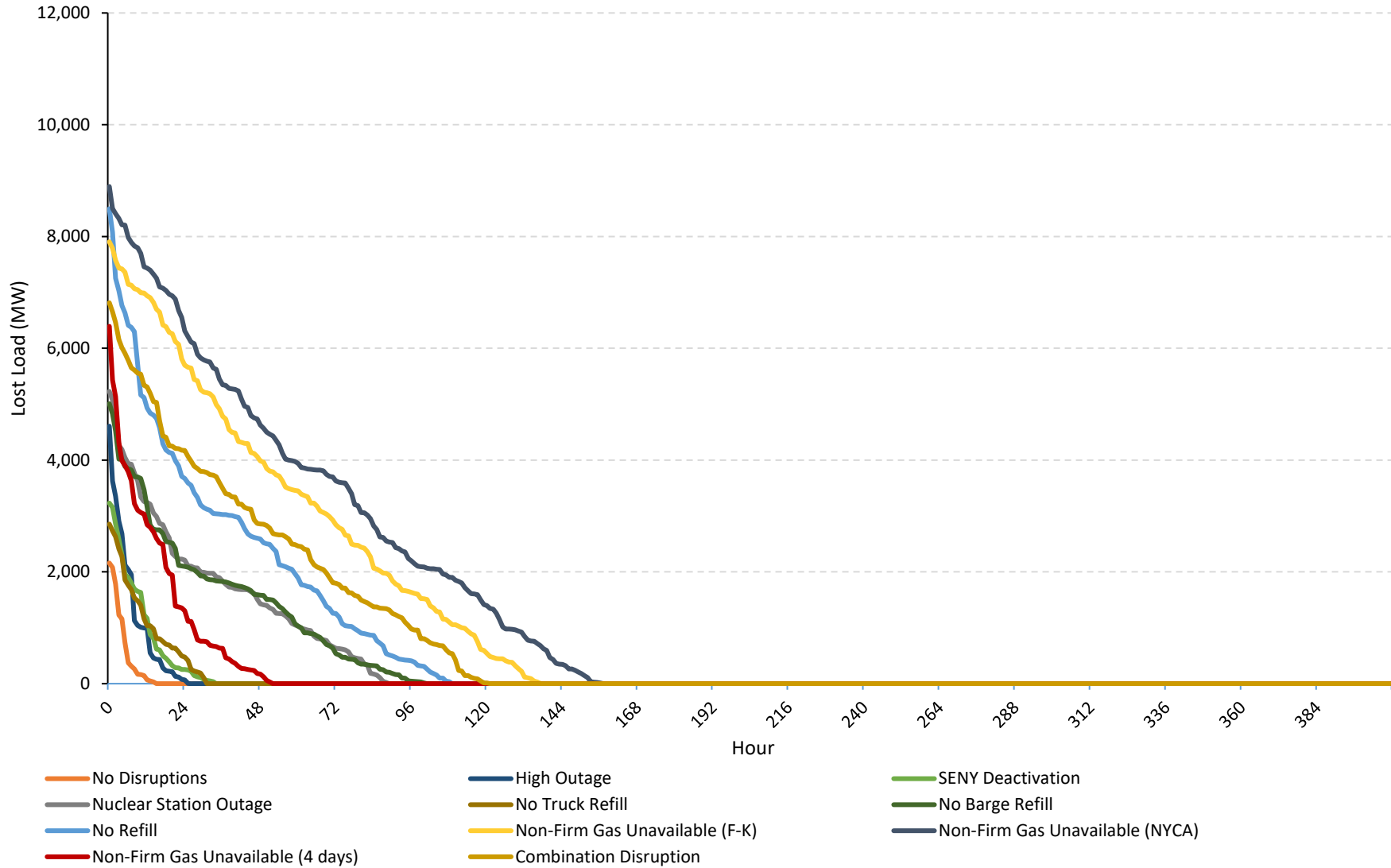
NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 3: Initial Conditions + IM All + HFS



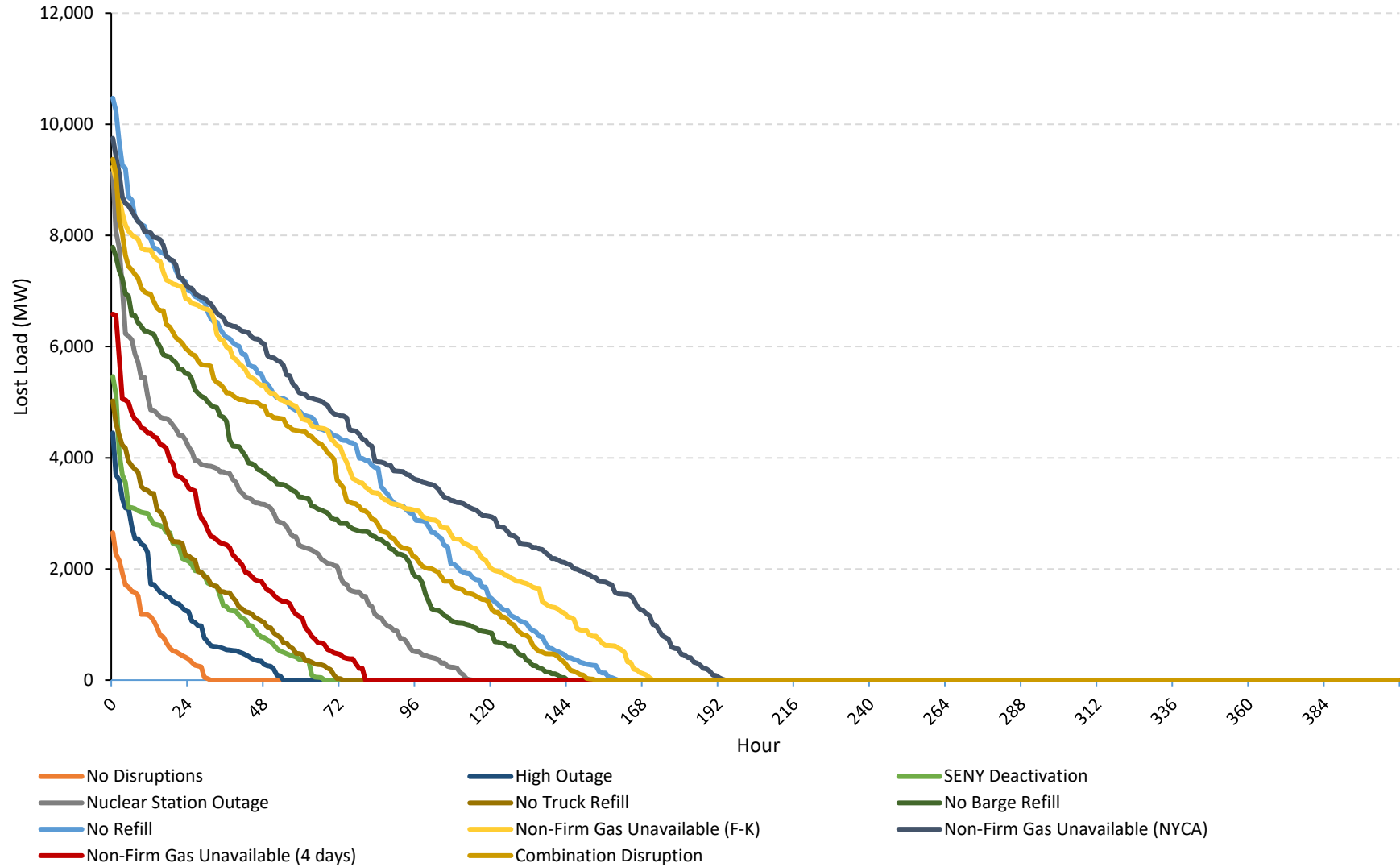
NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 4: Initial Conditions + IM Net0 + HFS



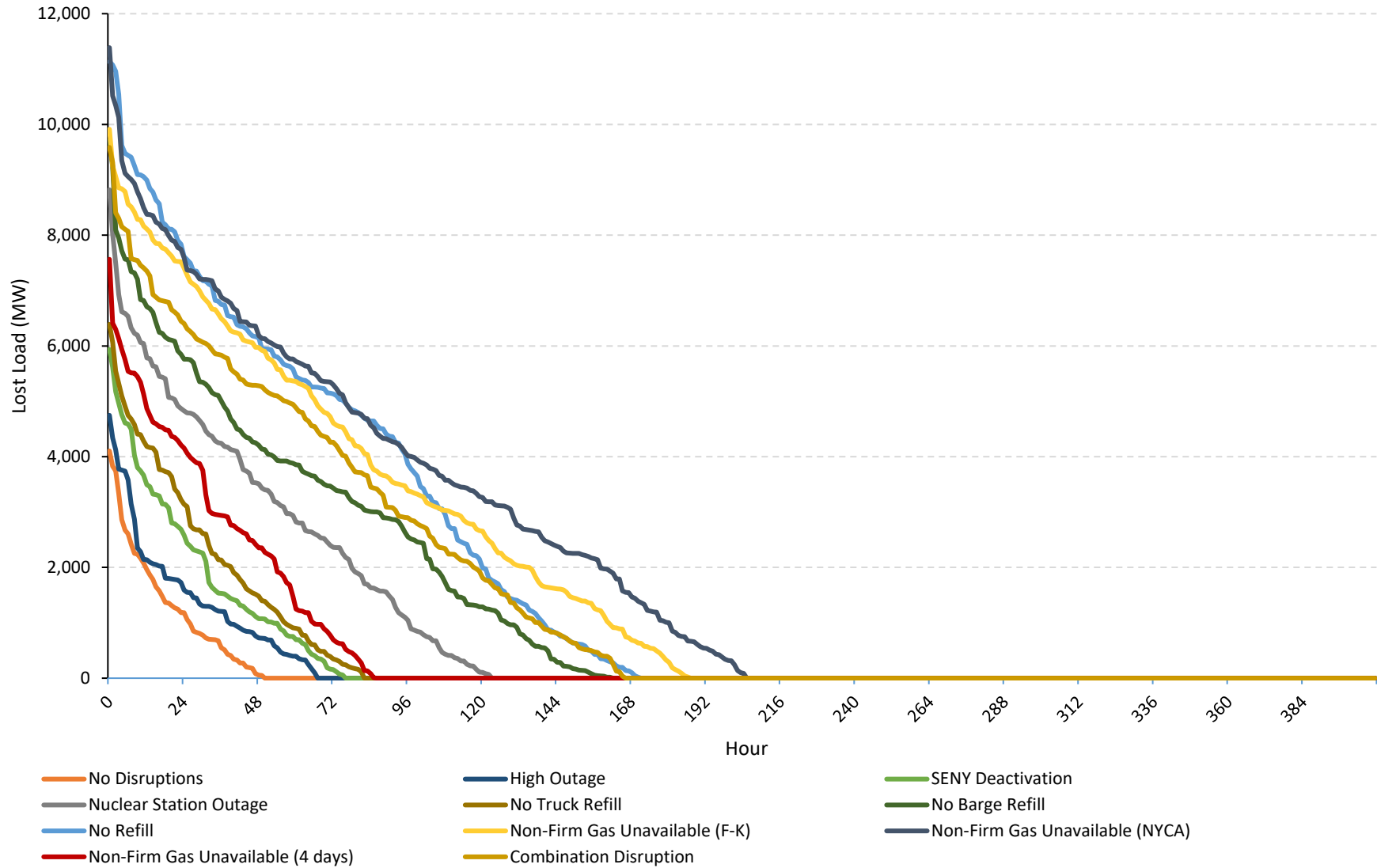
NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 5: Initial Conditions + IM All + REN



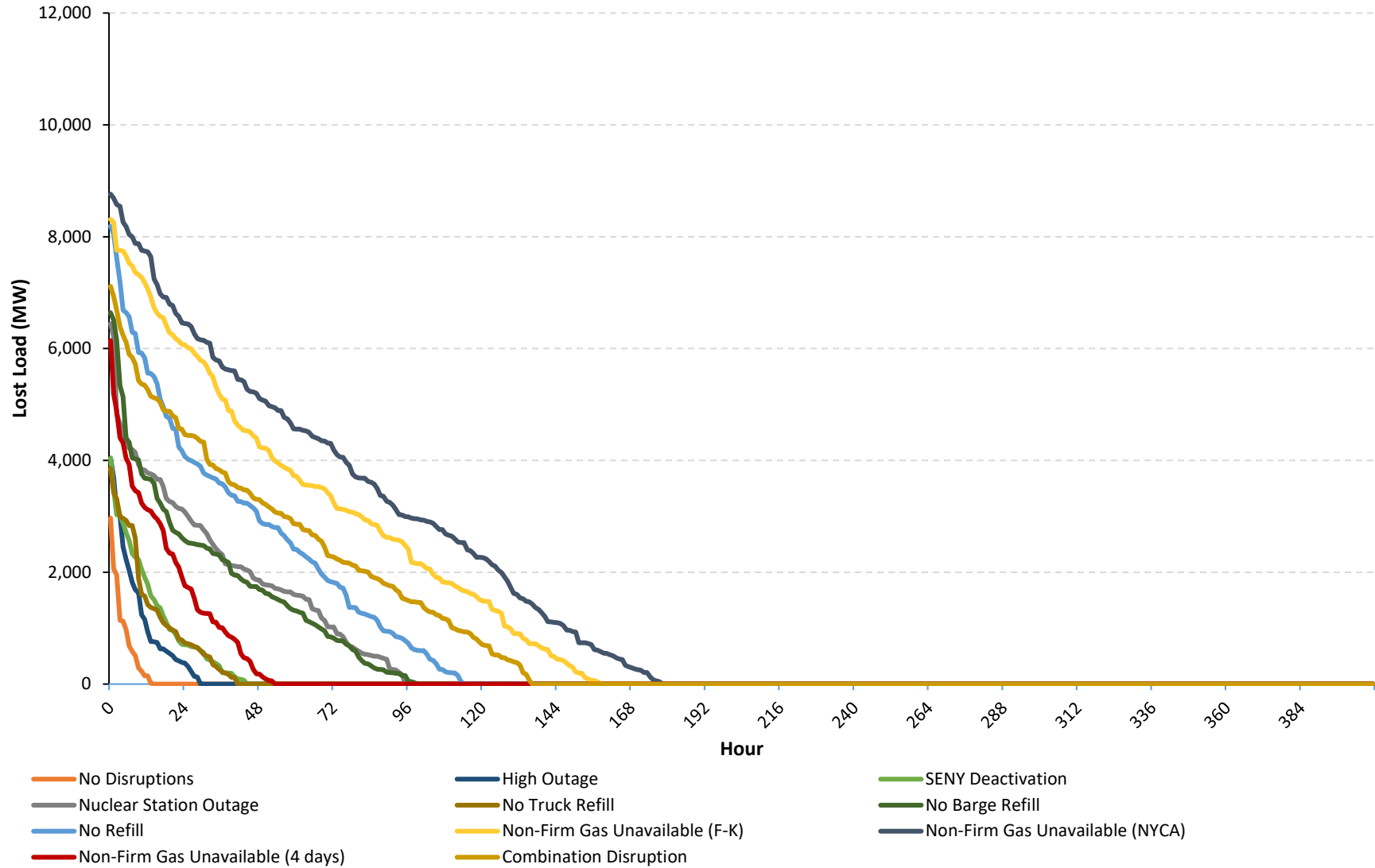
NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 6: Initial Conditions + IM Net0 + REN



NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 7: Initial Conditions + IM All + HFS + REN



NYCA Lost Load Duration (MWh) - Winter 2030/2031

Scenario 8: Initial Conditions + IM Net0 + HFS + REN

