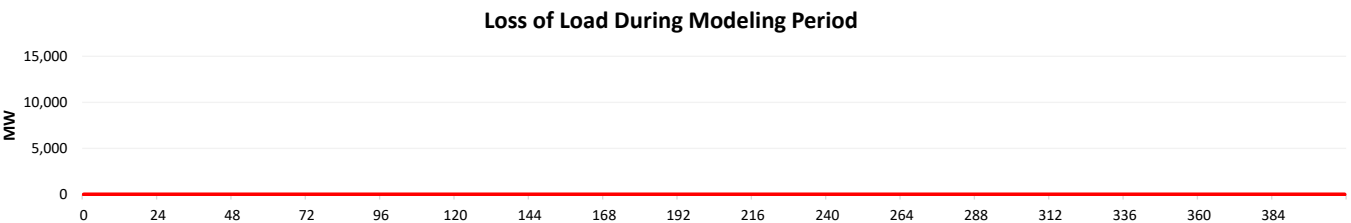
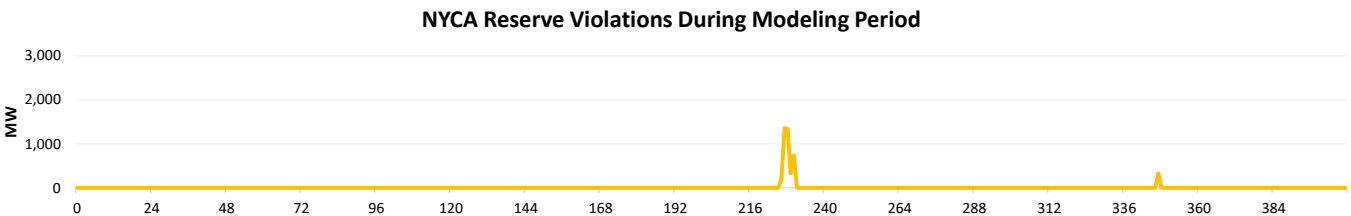
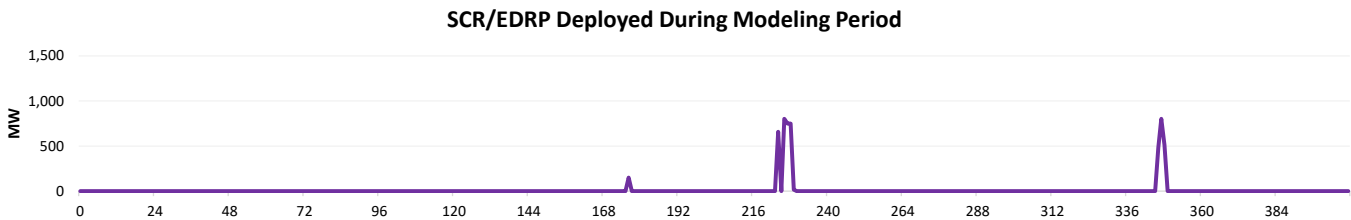
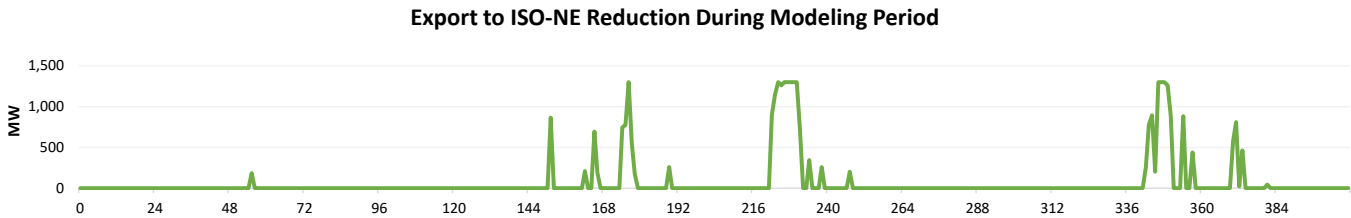
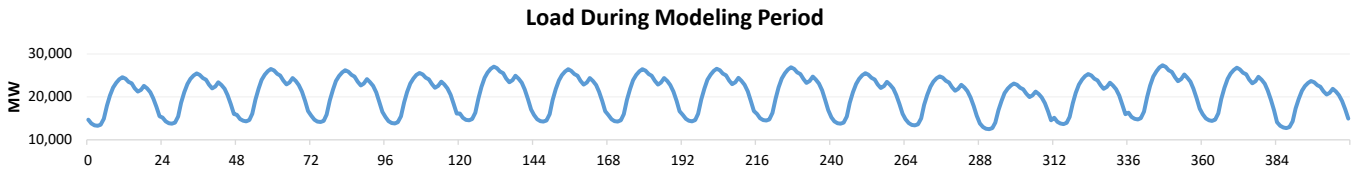


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 1 No Disruptions



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 40     |
| Total MWh         | 29,984 |
| Avg. MW           | 73.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 9     |
| Total MWh      | 4,926 |
| Avg. MW        | 12.1  |

| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 6     |
| Total MWh             | 4,278 |
| Avg. MW               | 10.5  |
| First Hour with Viol. | 226   |

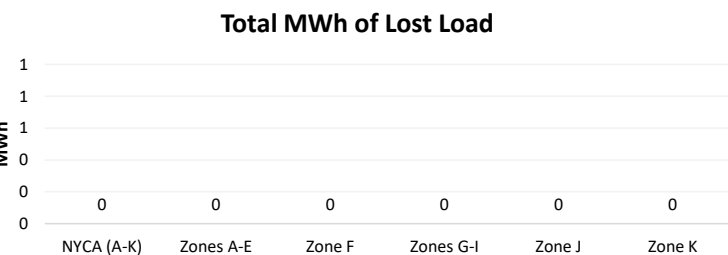
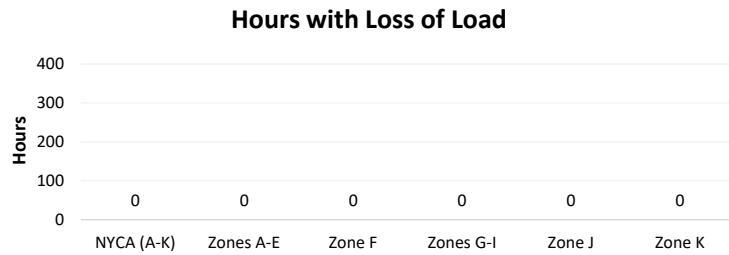
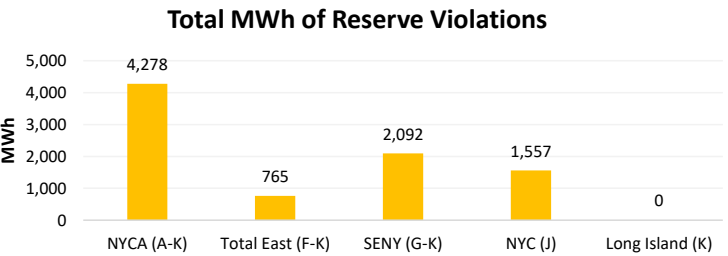
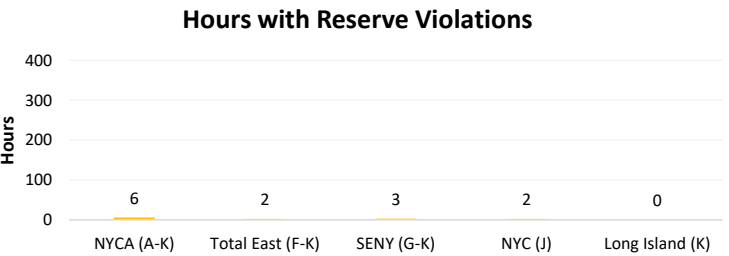
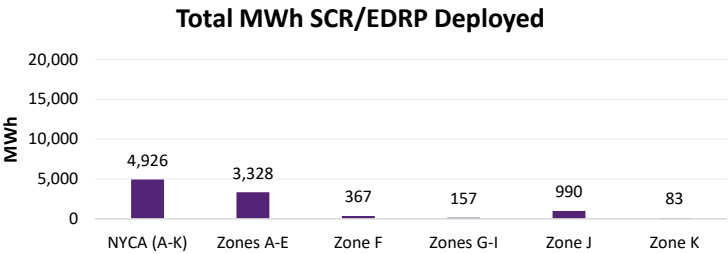
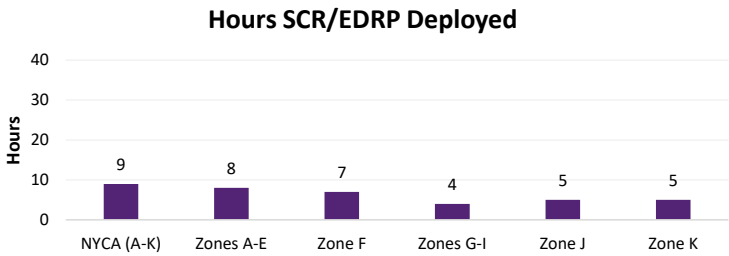
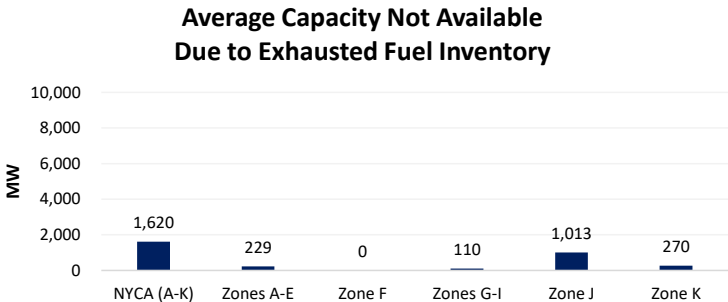
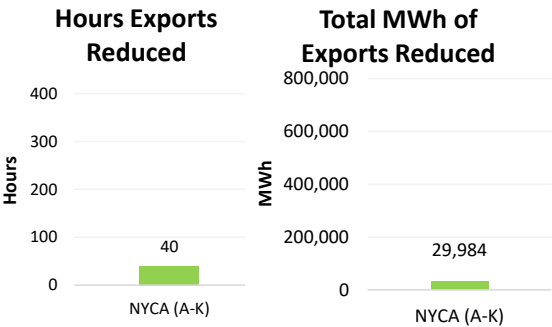
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

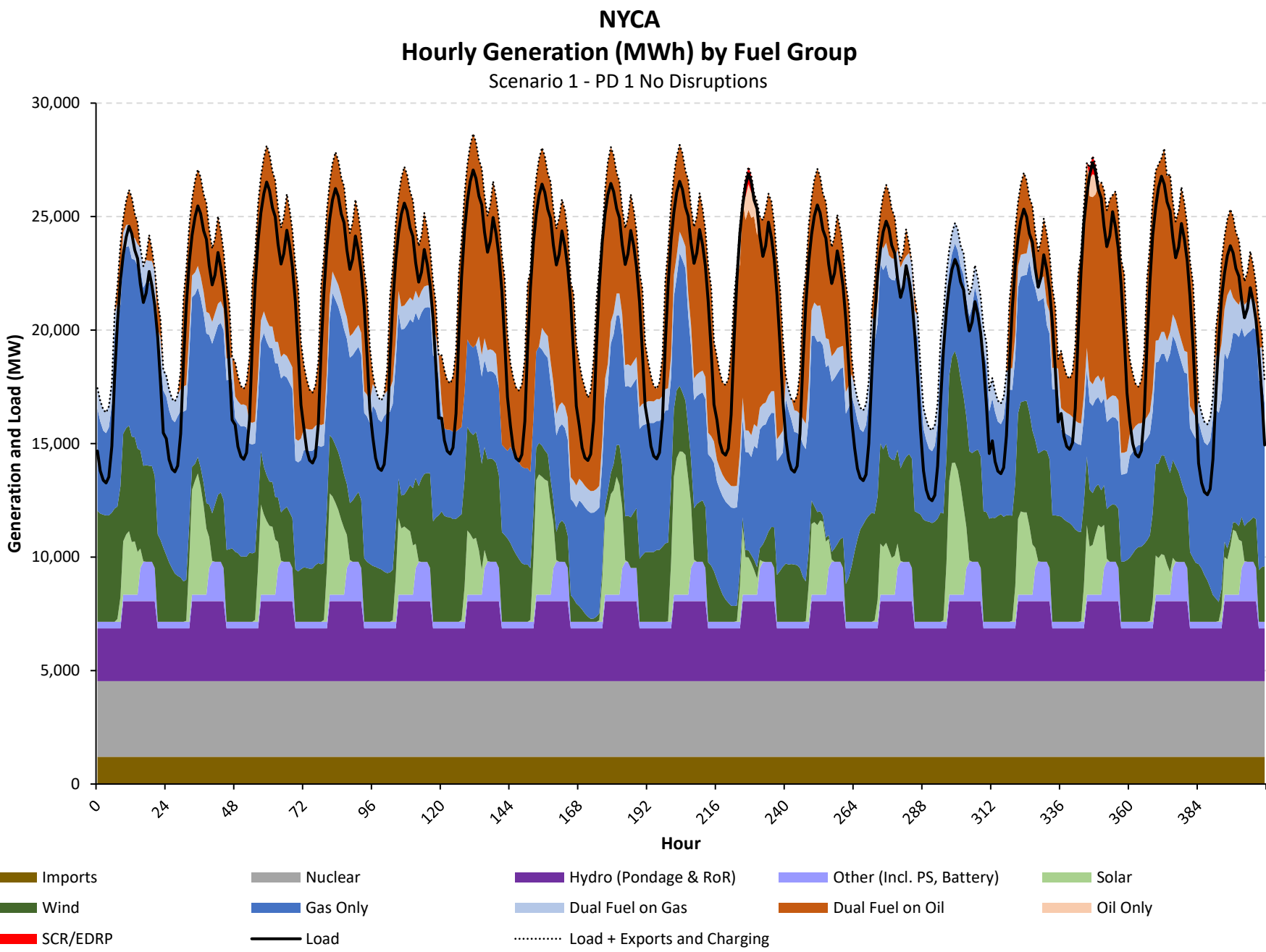


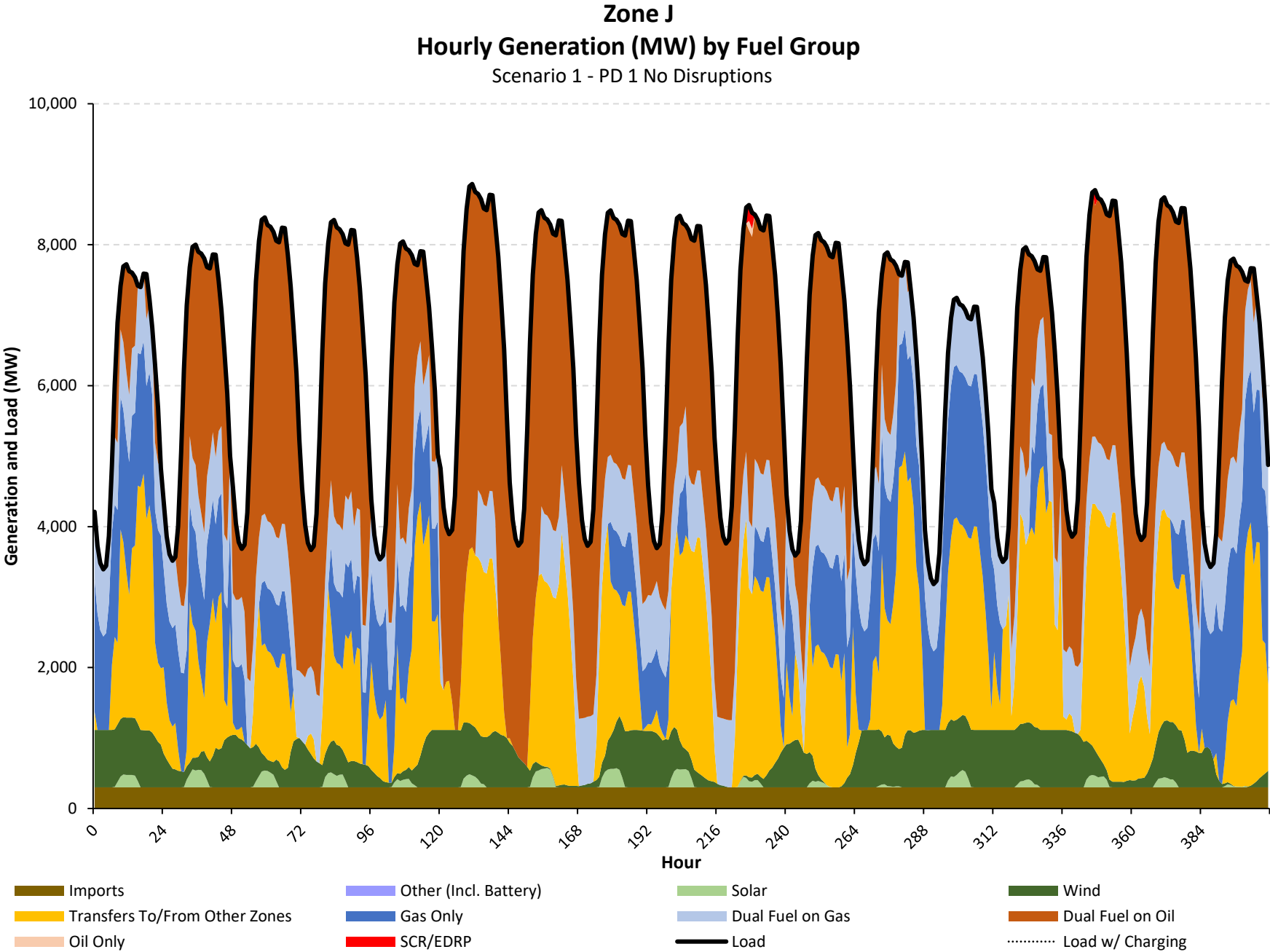
Full Period Results Summary

Case Name: Scenario 1 - PD 1 No Disruptions

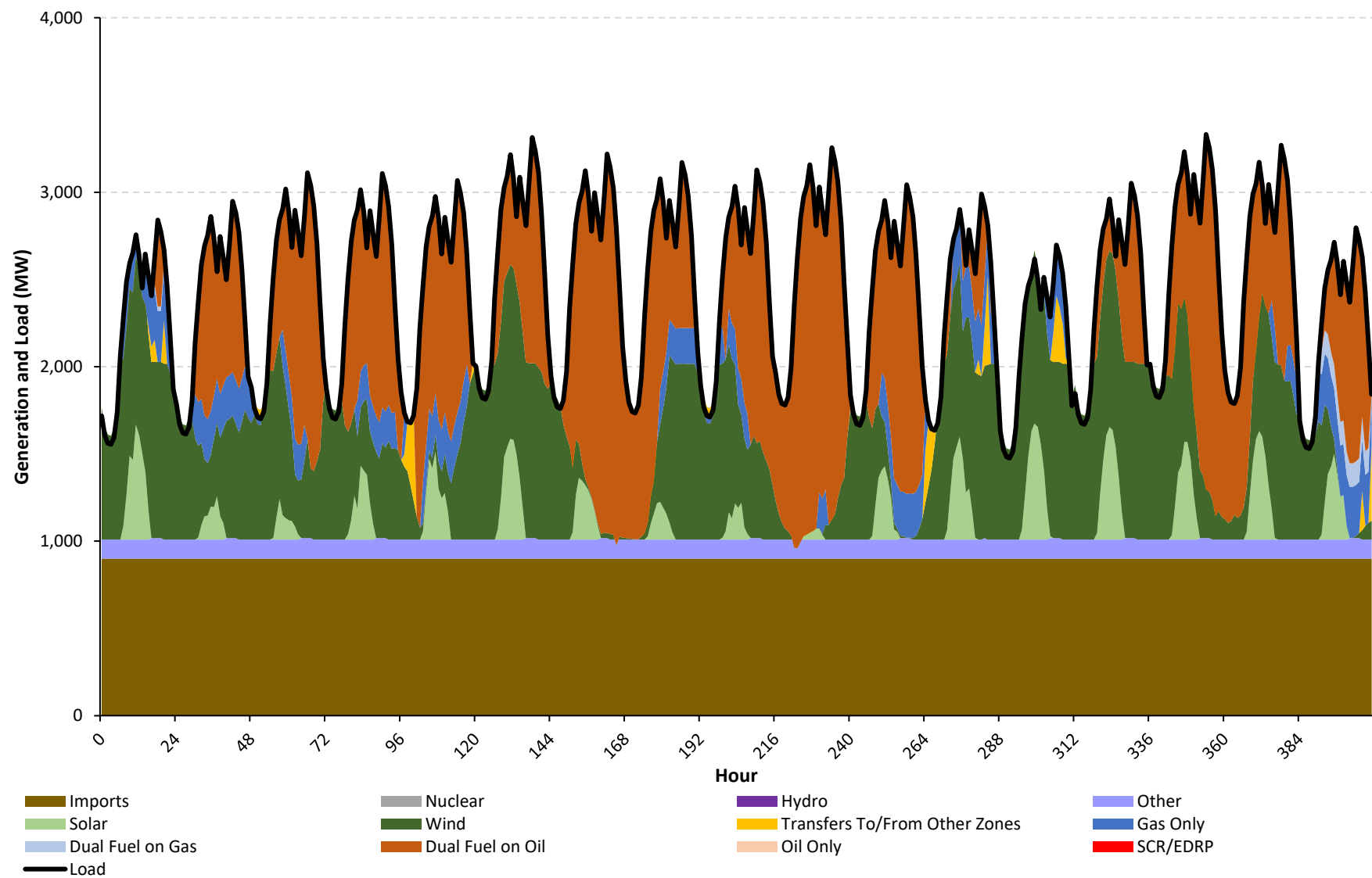
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

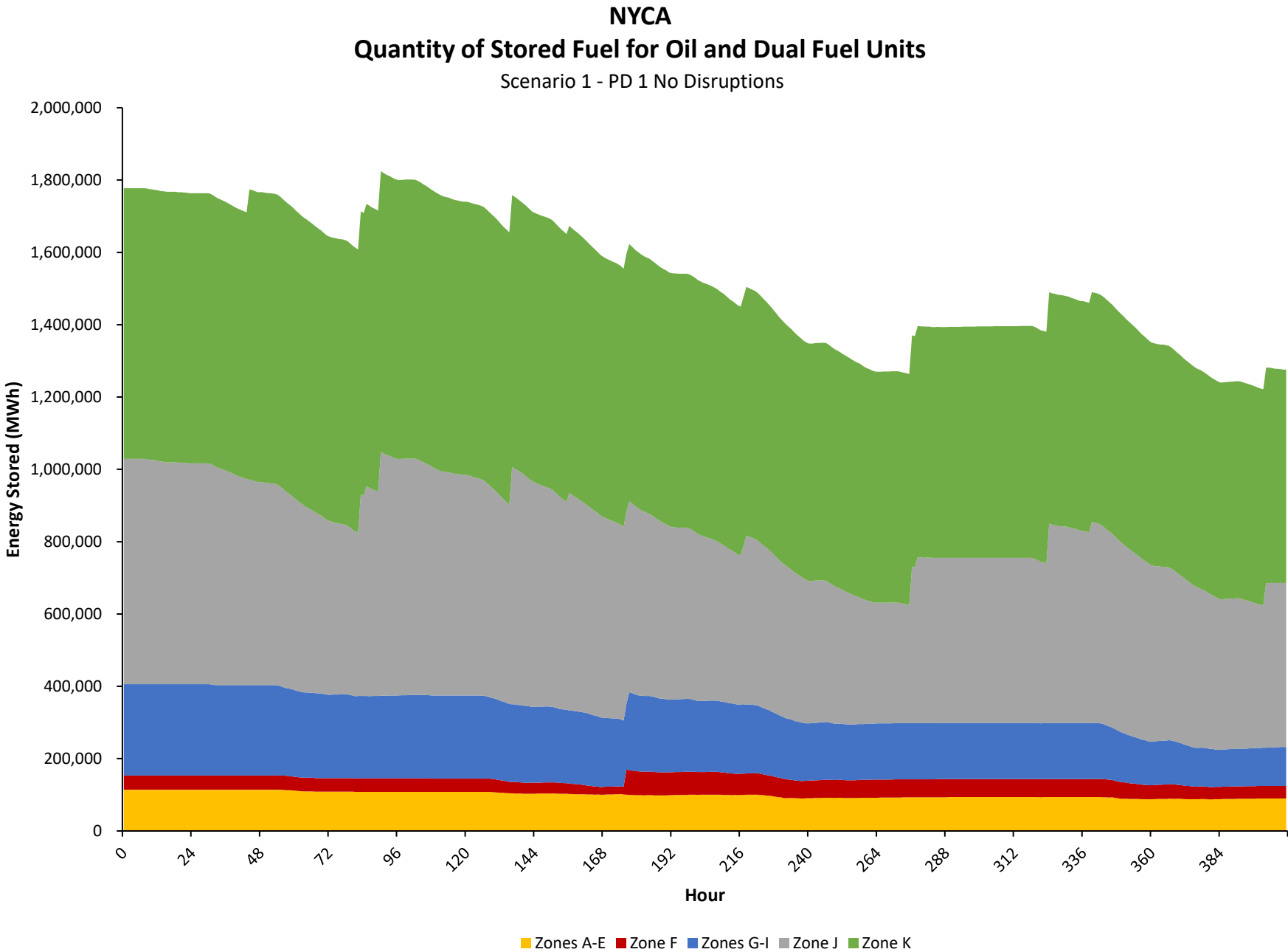


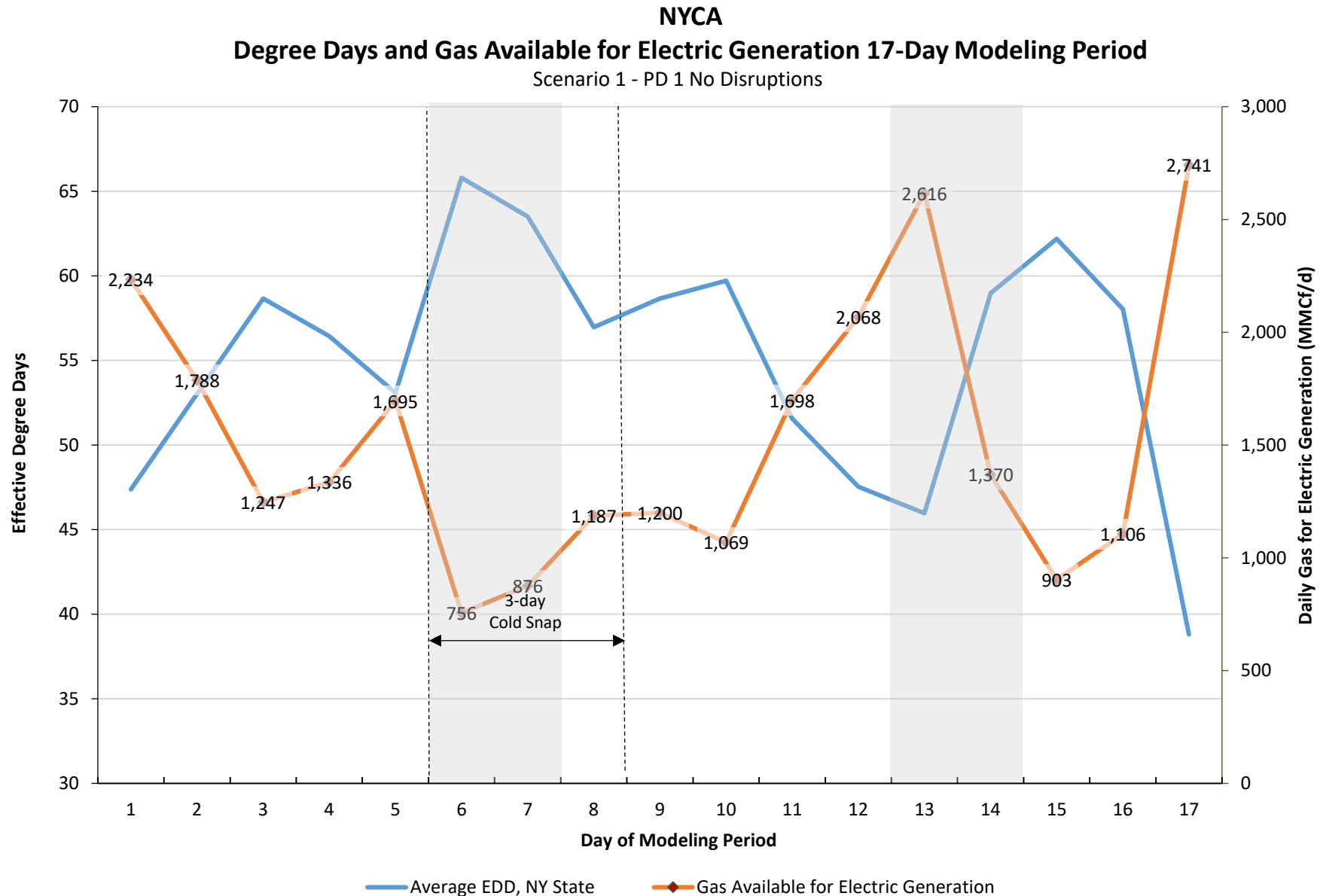




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 1 No Disruptions

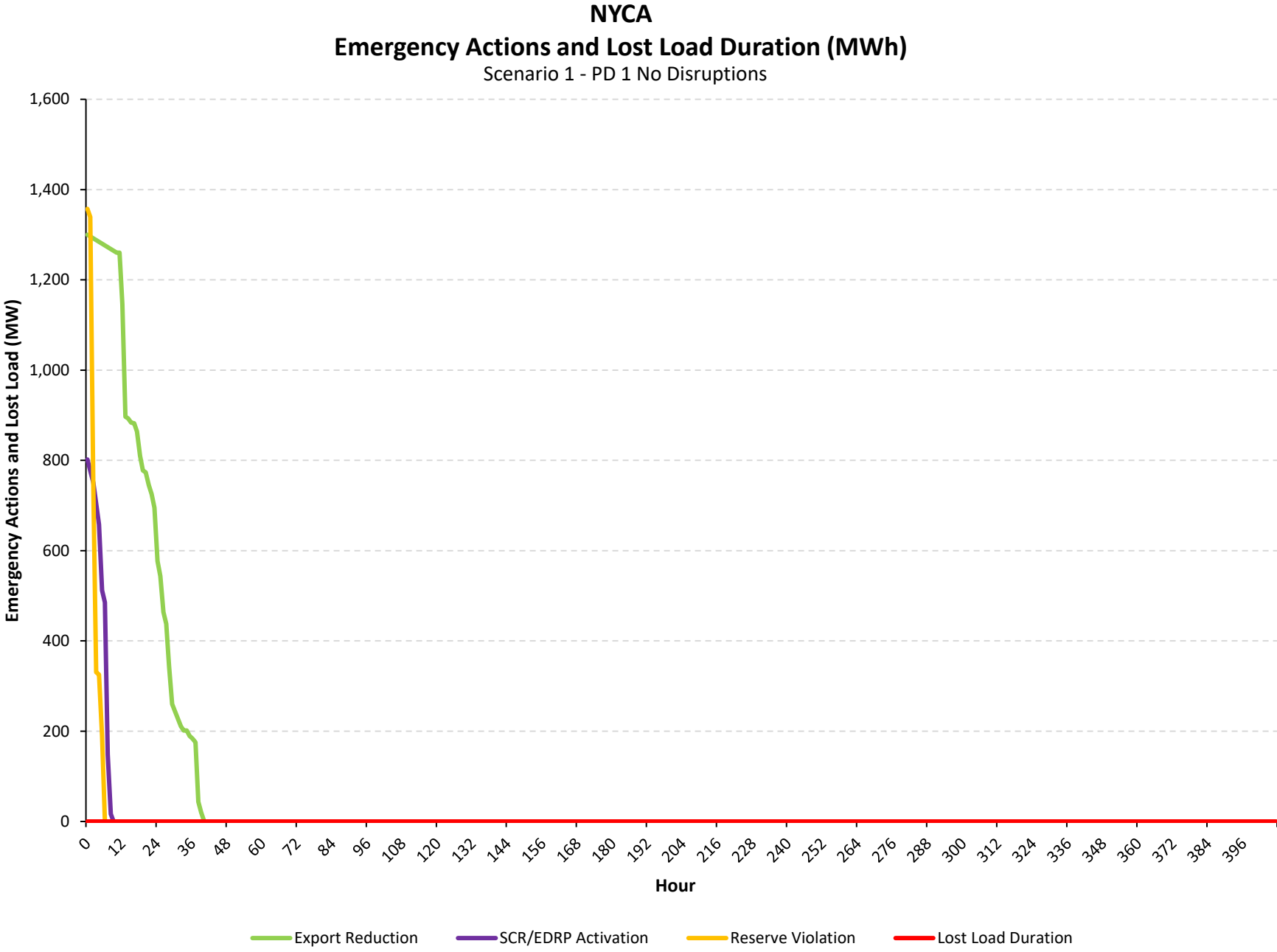


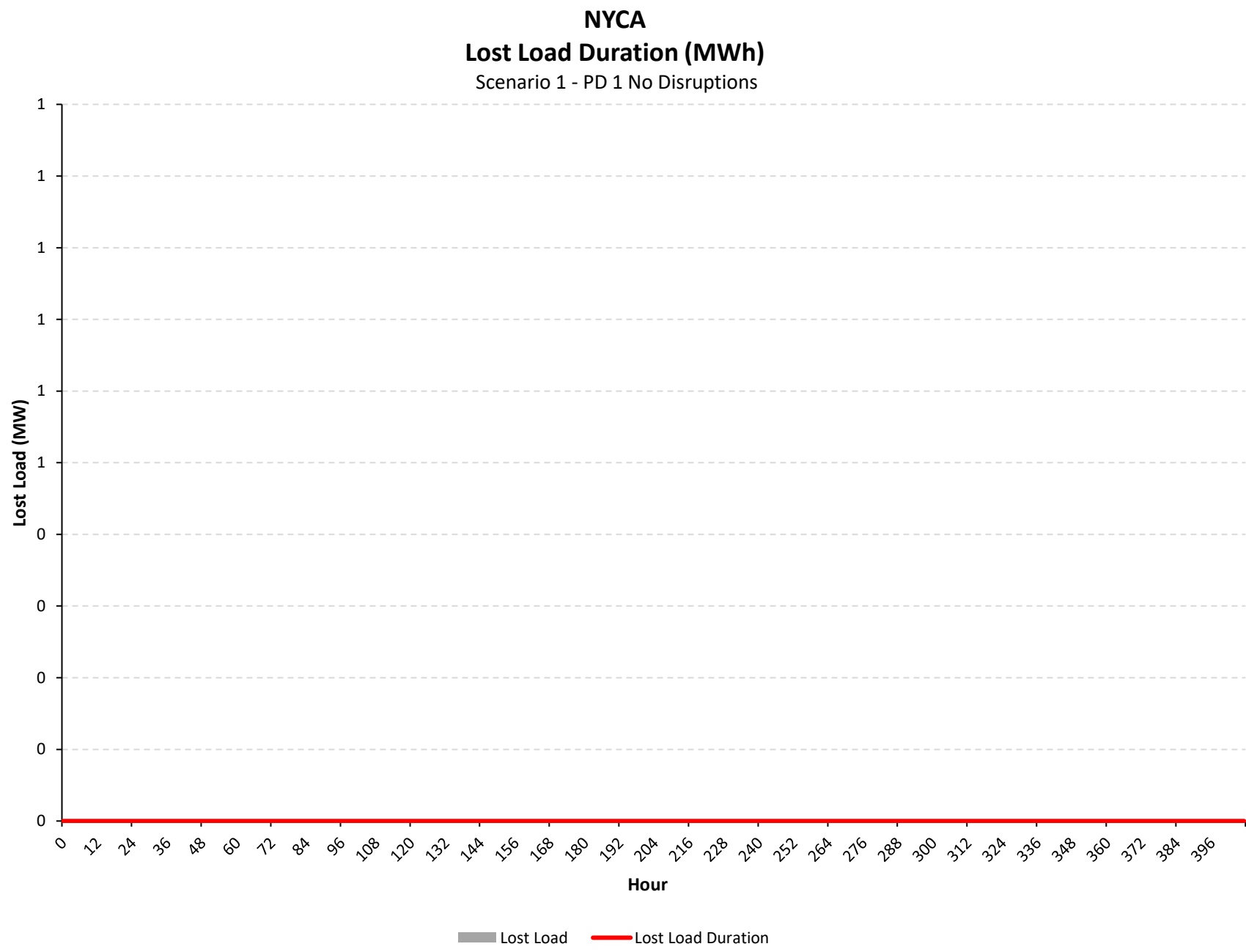




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





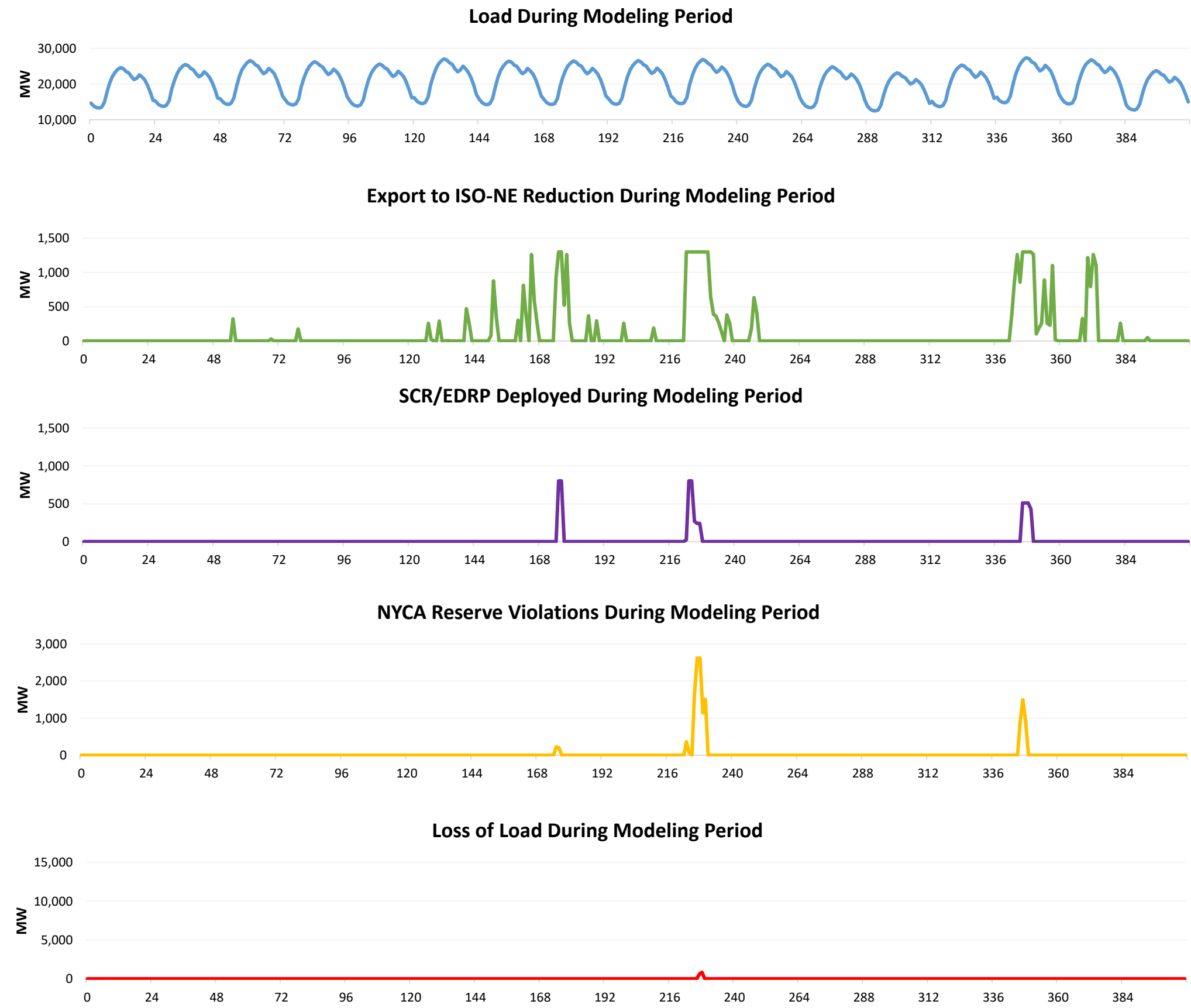


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 2 High Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 71     |
| Total MWh         | 46,717 |
| Avg. MW           | 114.5  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 5,939 |
| Avg. MW        | 14.6  |

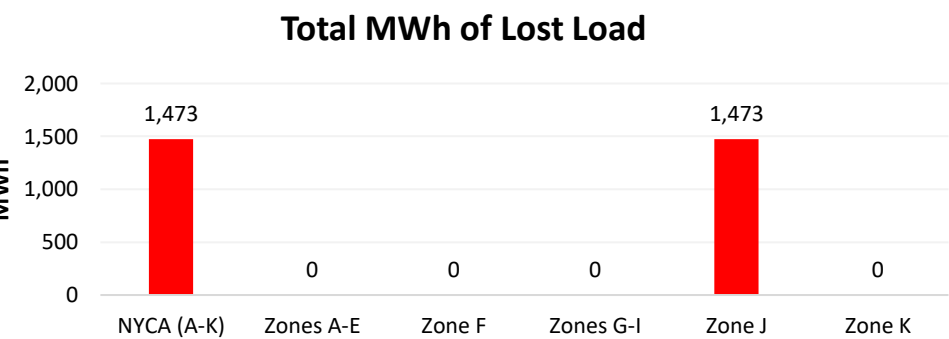
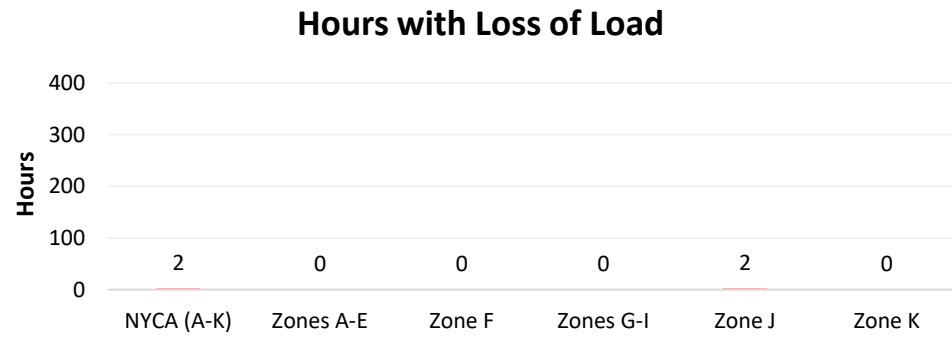
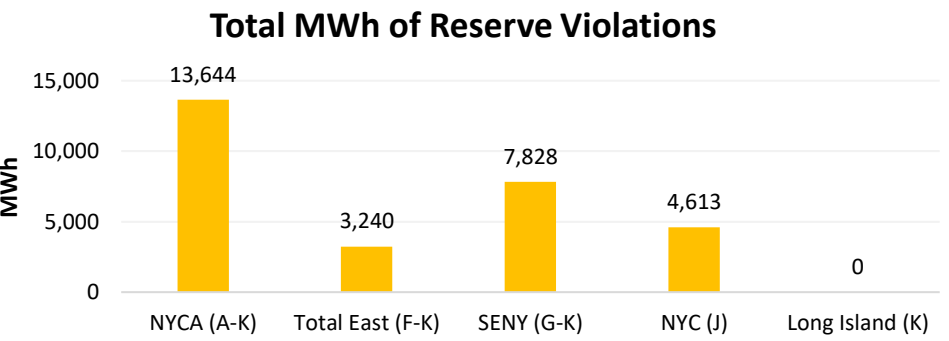
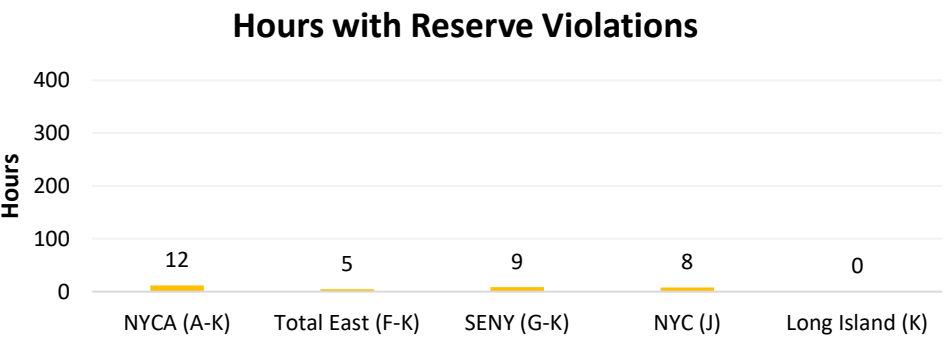
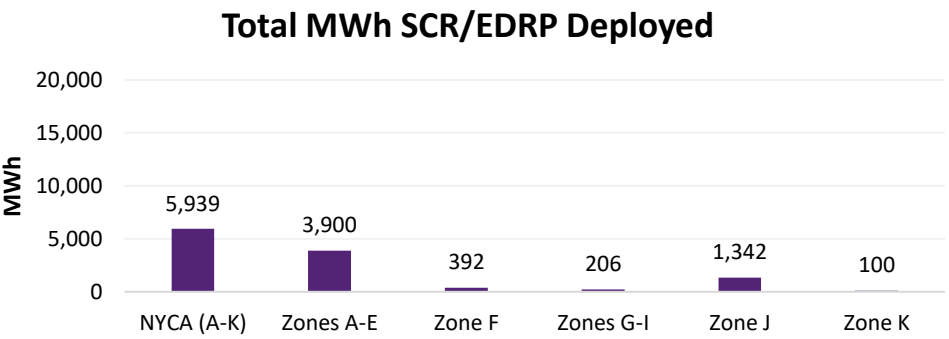
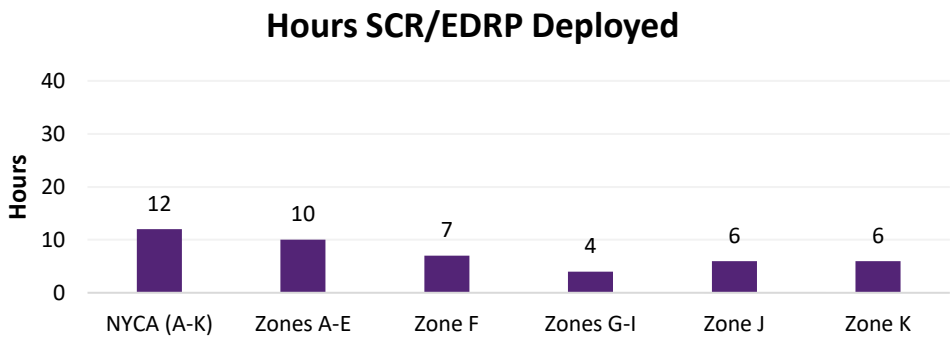
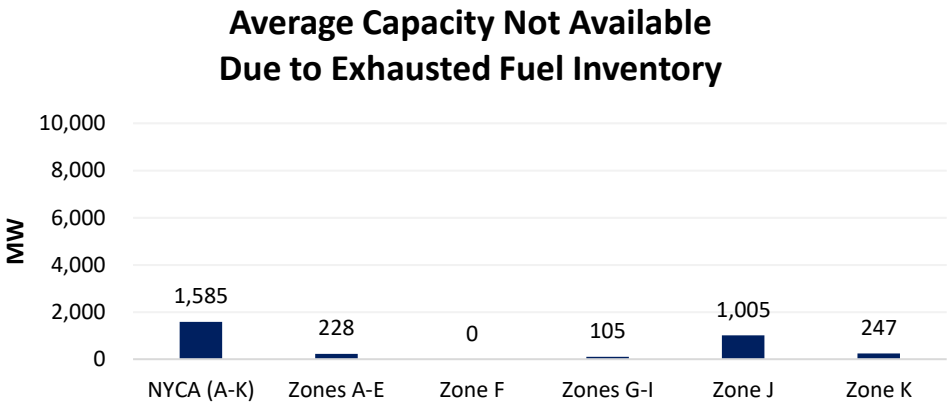
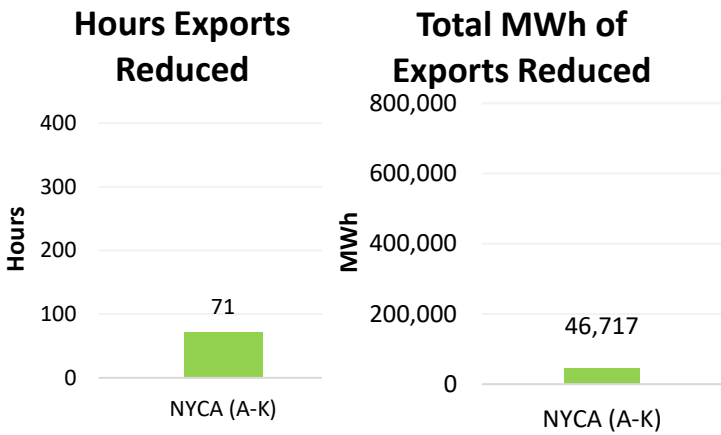
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 12     |
| Total MWh             | 13,644 |
| Avg. MW               | 33.4   |
| First Hour with Viol. | 175    |

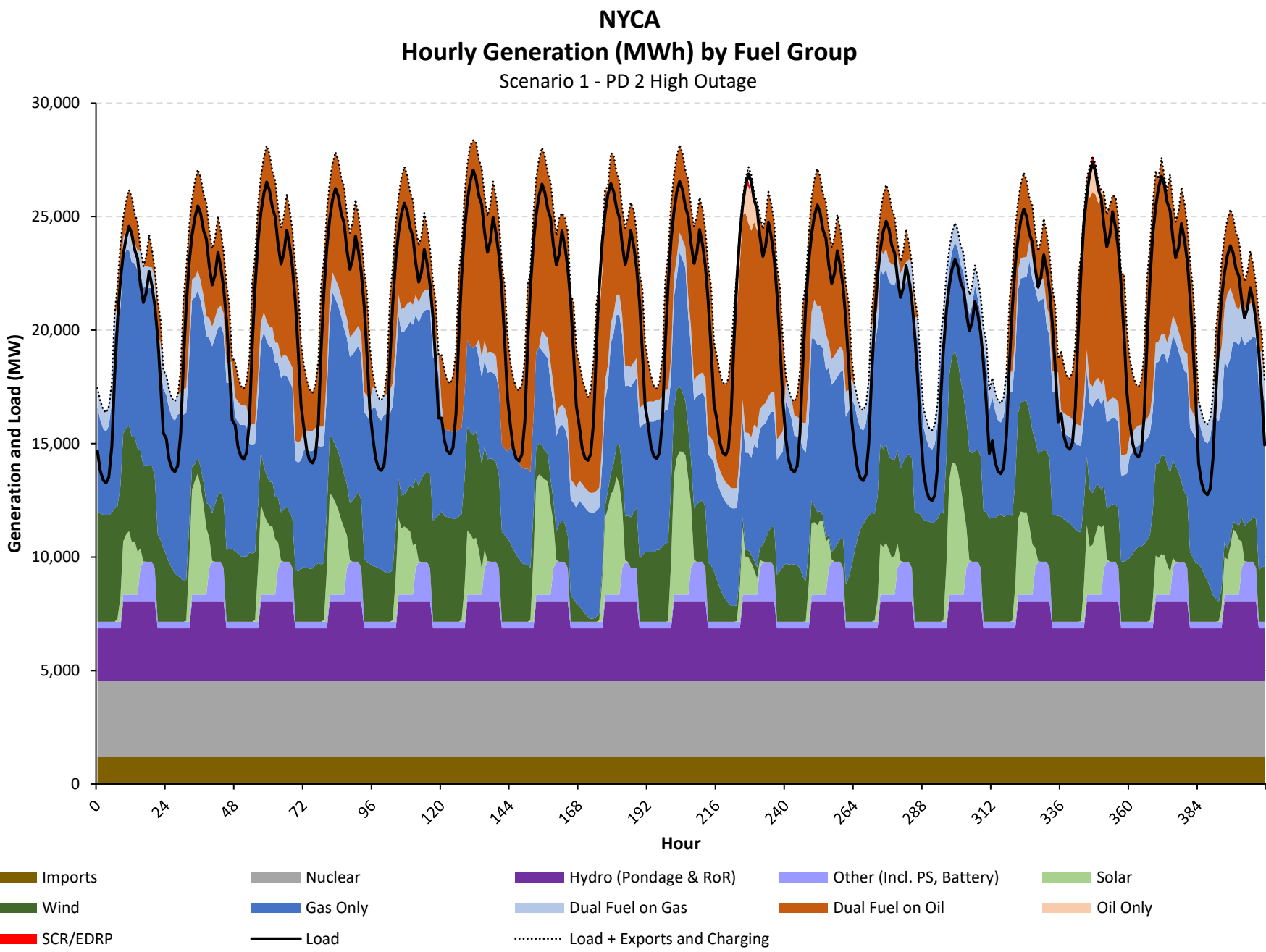
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 2     |
| Total MWh              | 1,473 |
| Avg. MW                | 3.6   |
| First Hour with Losses | 227   |

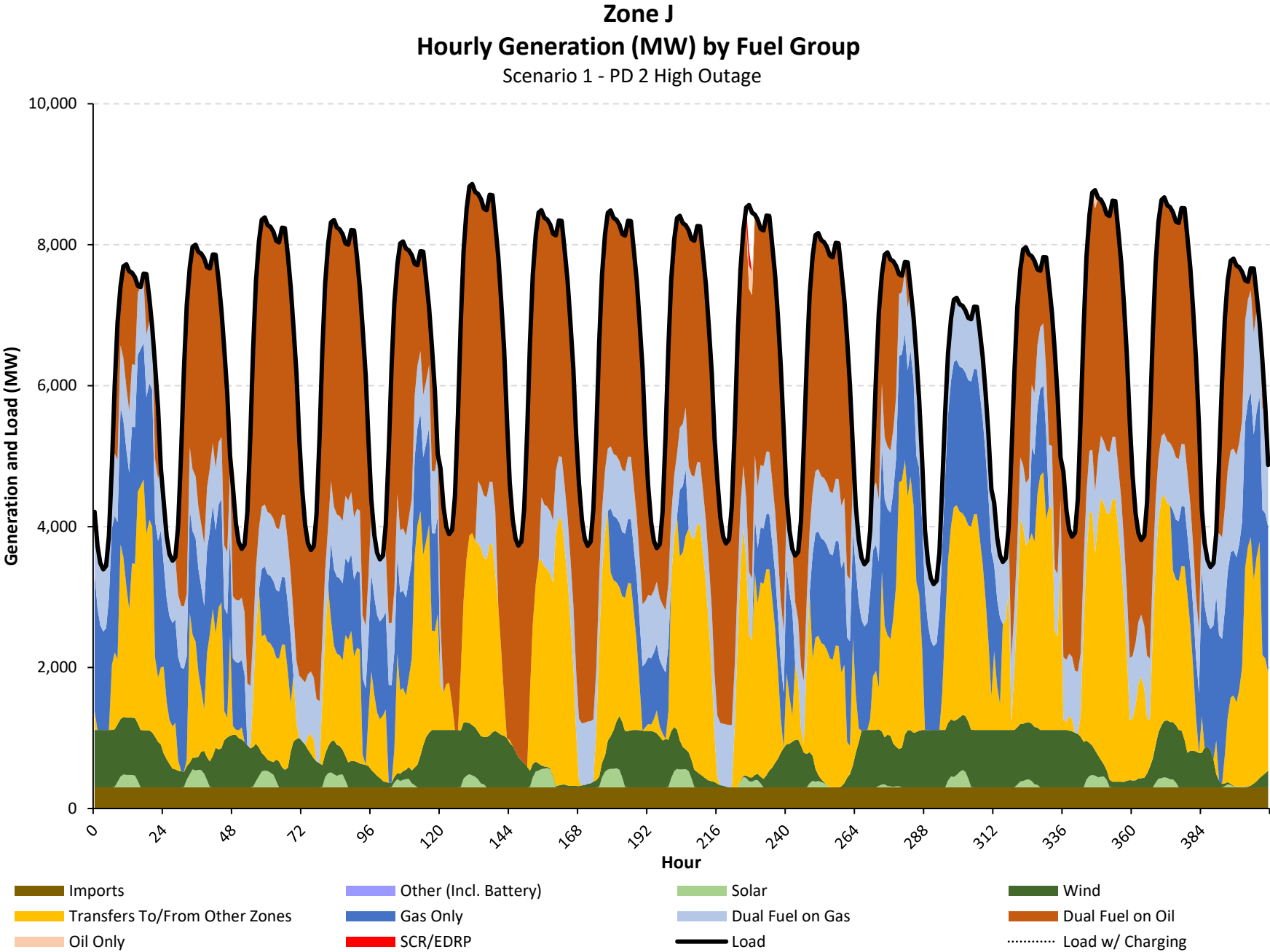
Full Period Results Summary

Case Name: Scenario 1 - PD 2 High Outage

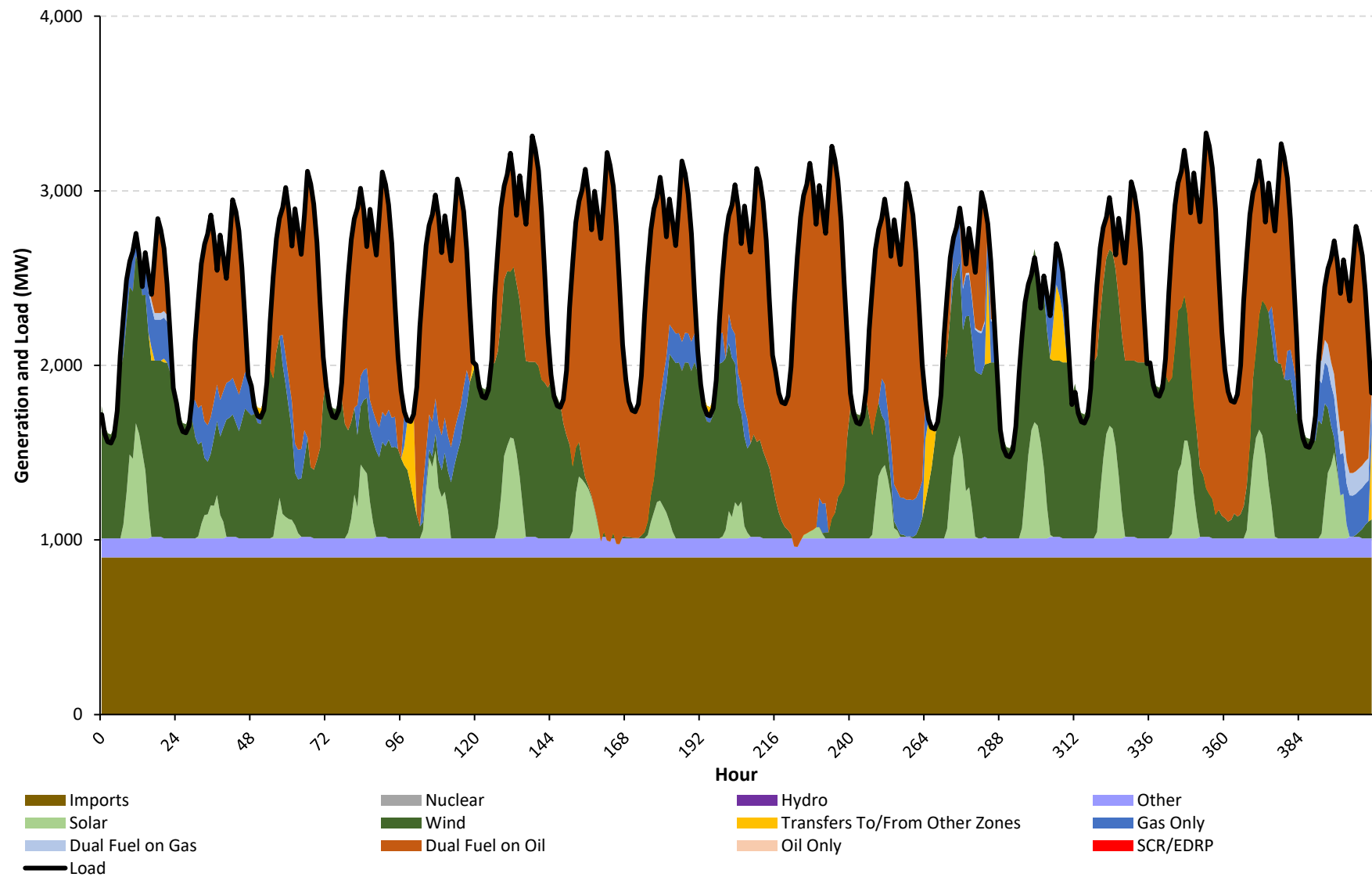
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

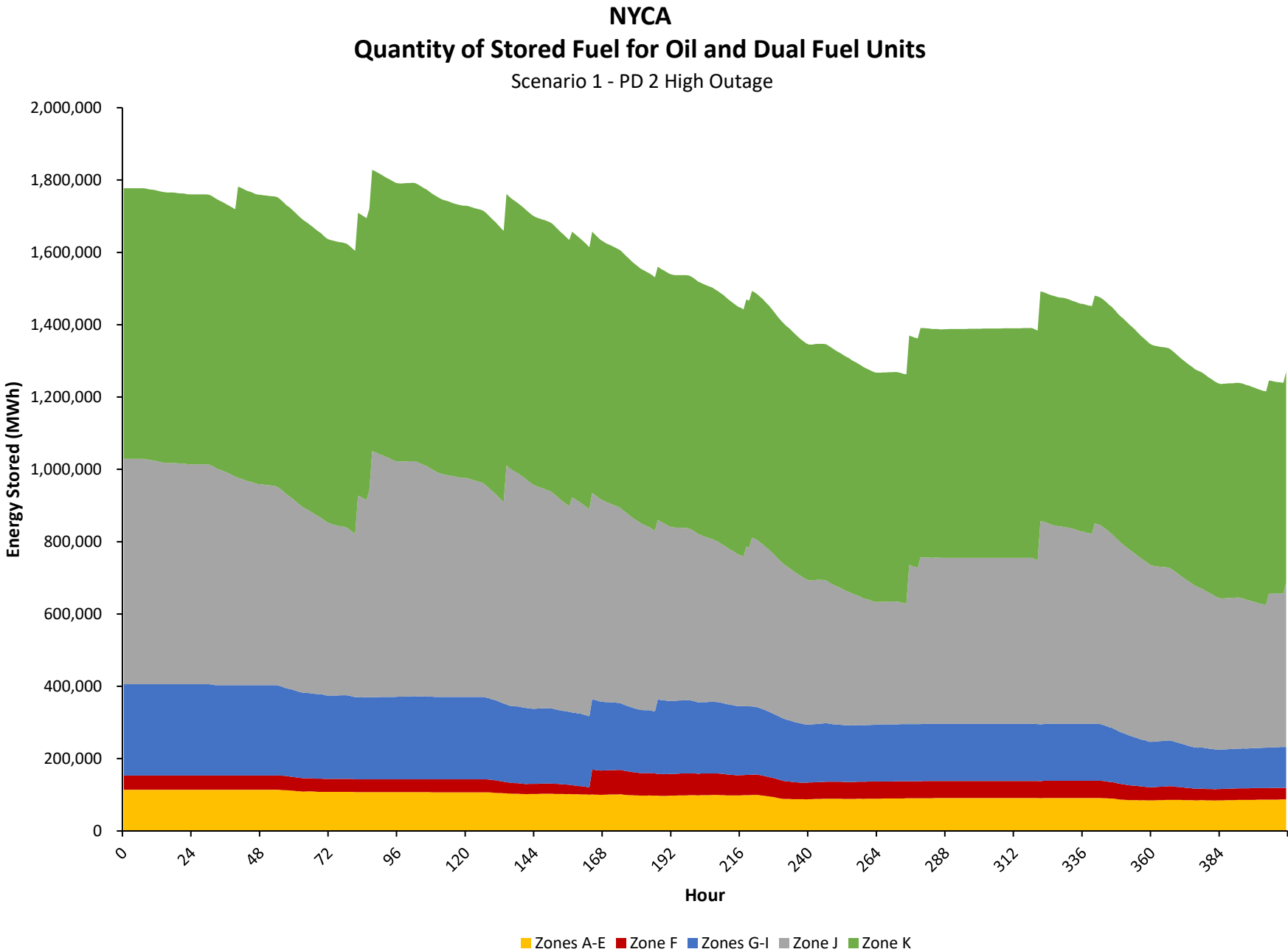






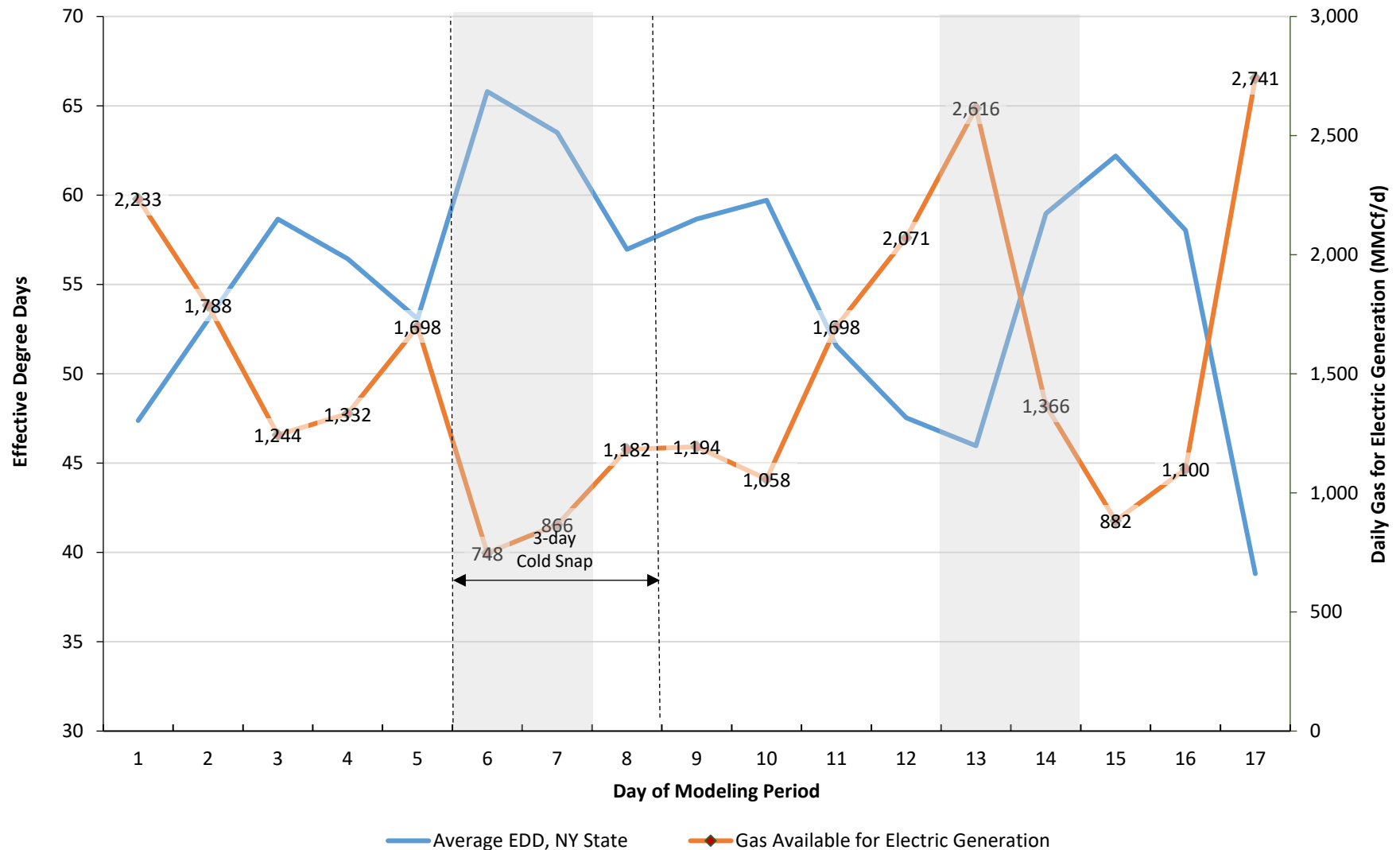
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 2 High Outage





# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

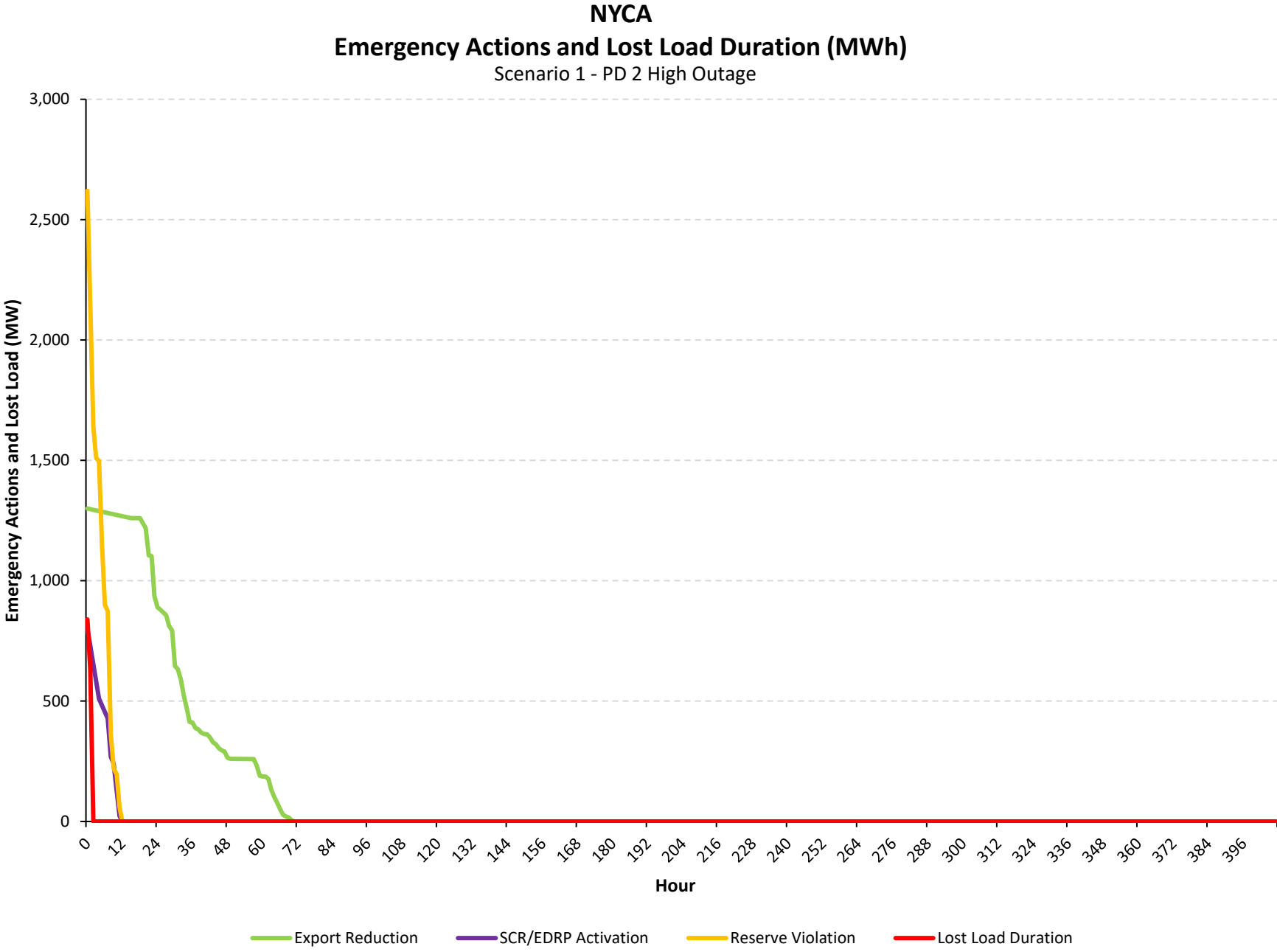
Scenario 1 - PD 2 High Outage

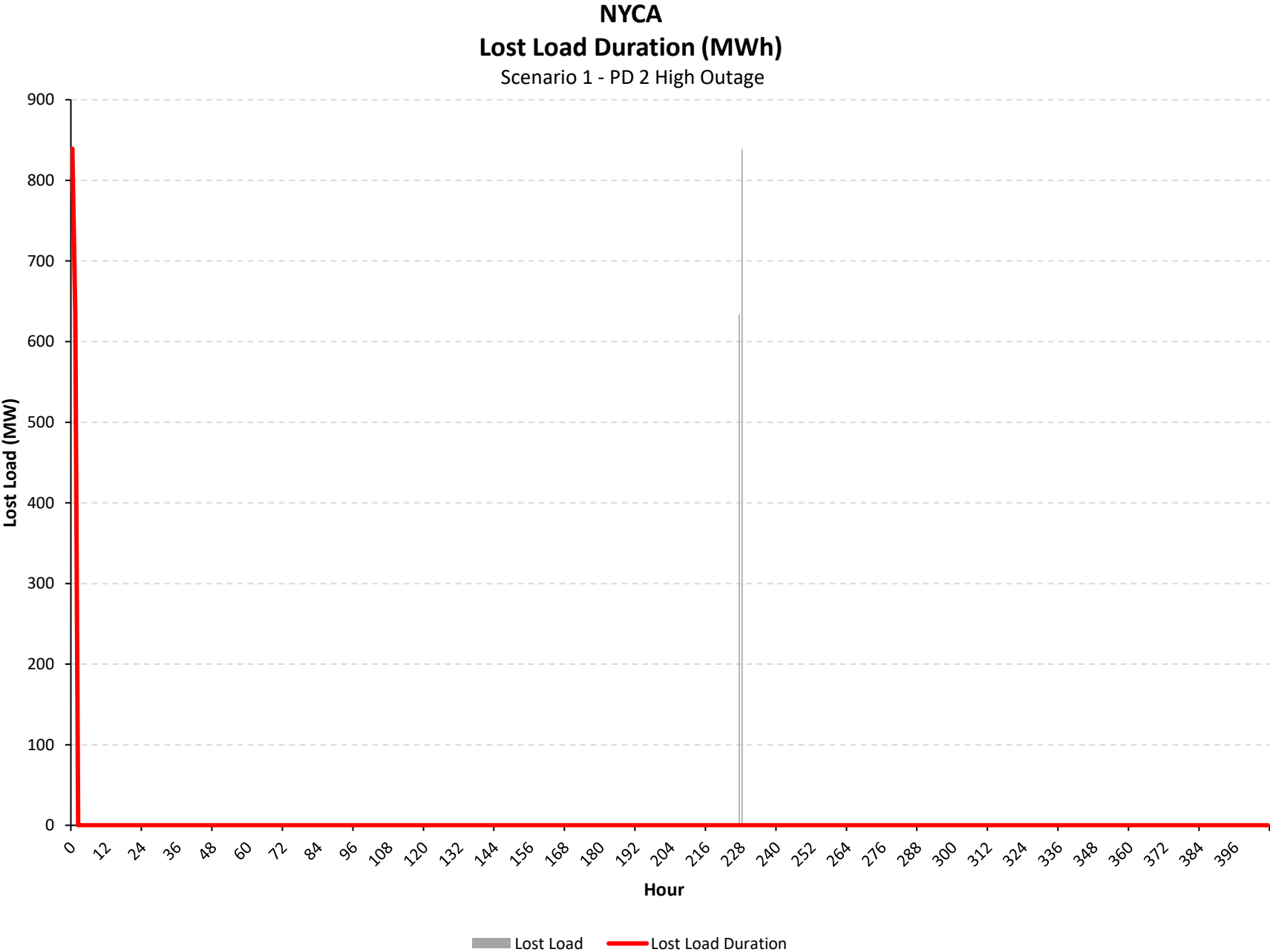


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





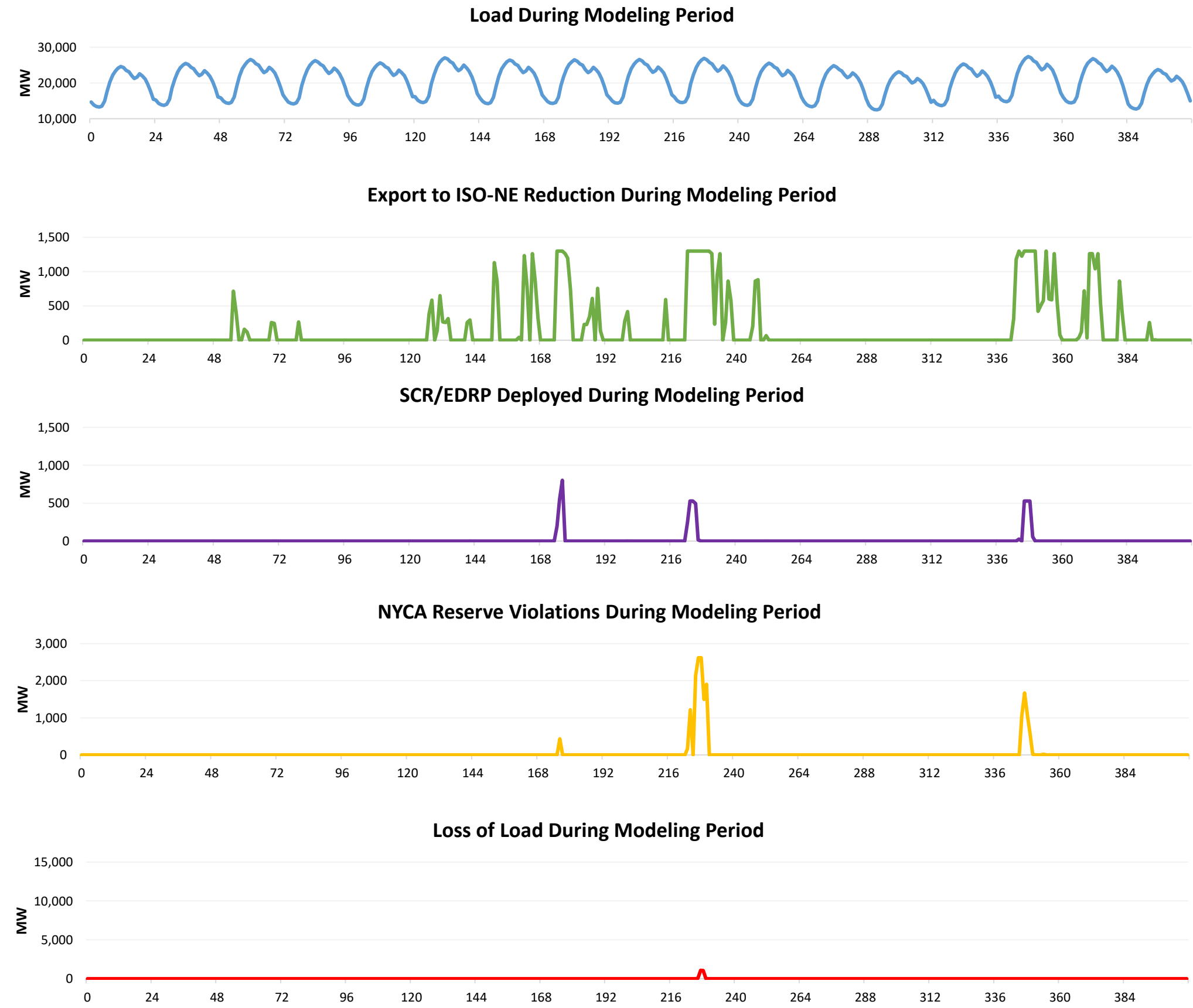


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 3 SENY Deactivation



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 90     |
| Total MWh         | 65,858 |
| Avg. MW           | 161.4  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 13    |
| Total MWh      | 5,022 |
| Avg. MW        | 12.3  |

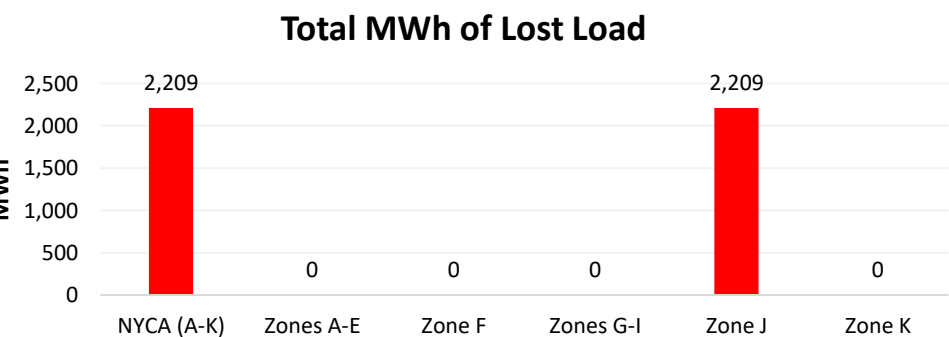
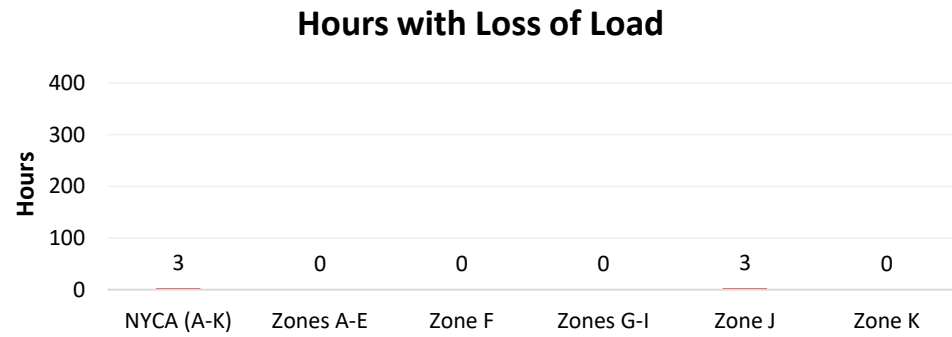
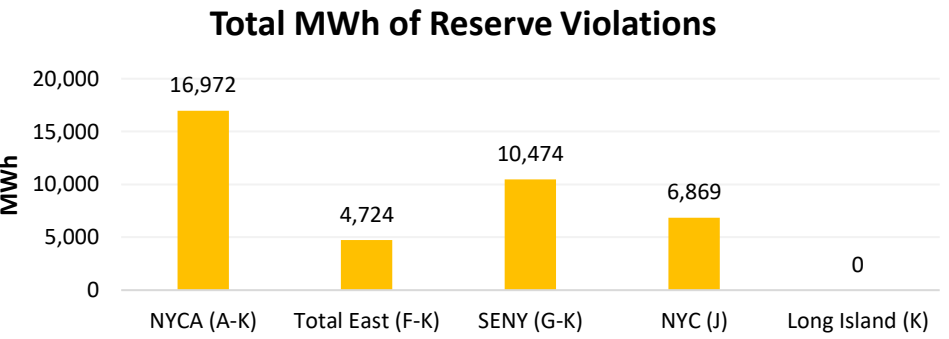
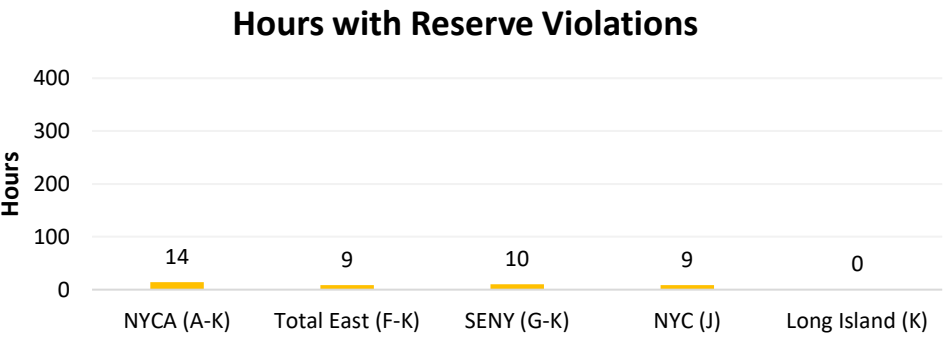
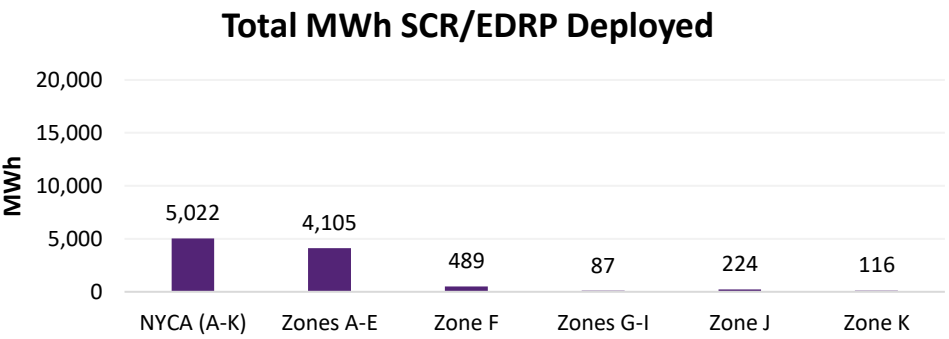
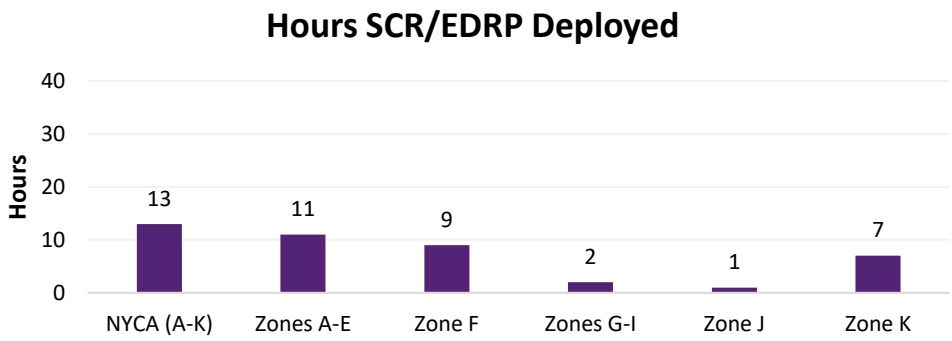
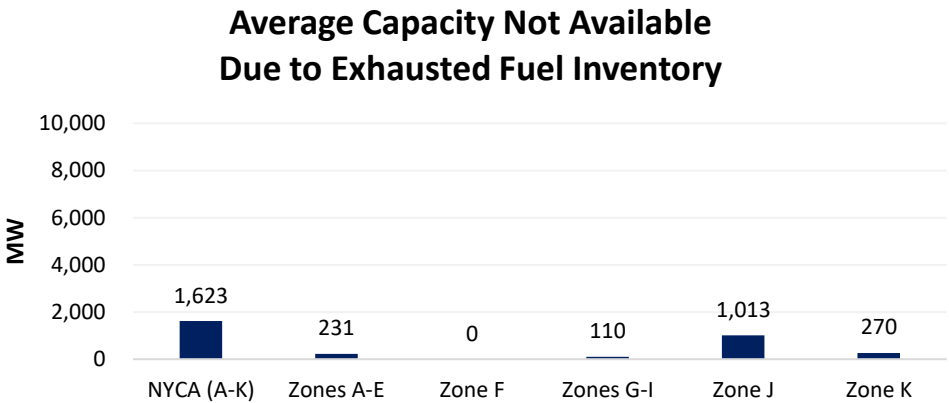
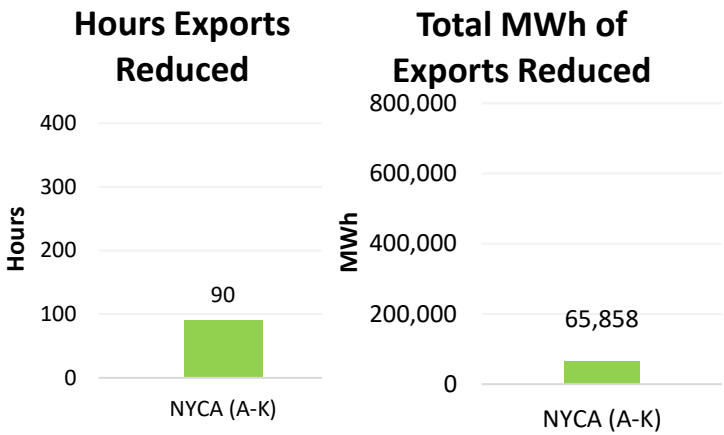
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 14     |
| Total MWh             | 16,972 |
| Avg. MW               | 41.6   |
| First Hour with Viol. | 176    |

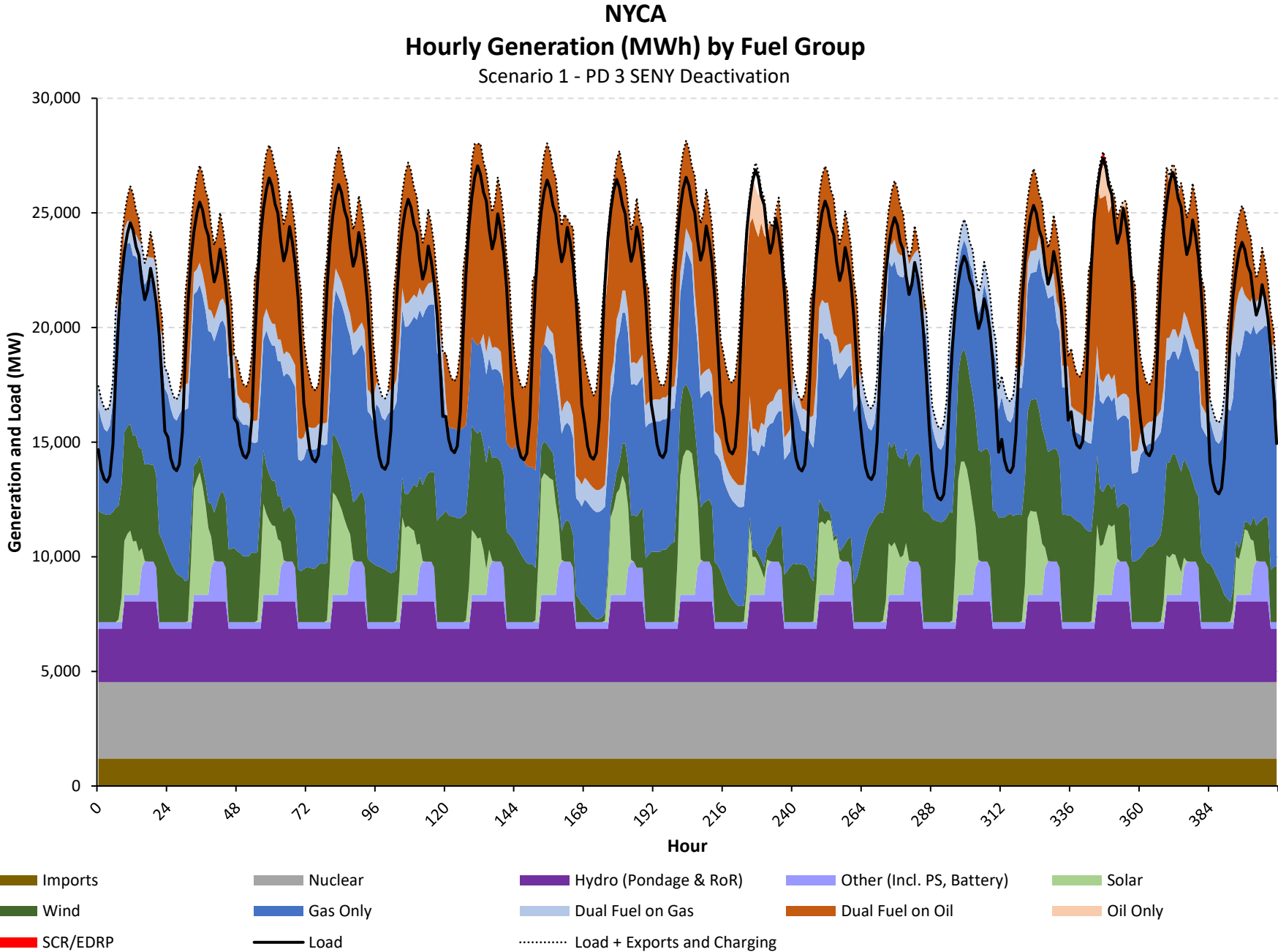
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 3     |
| Total MWh              | 2,209 |
| Avg. MW                | 5.4   |
| First Hour with Losses | 226   |

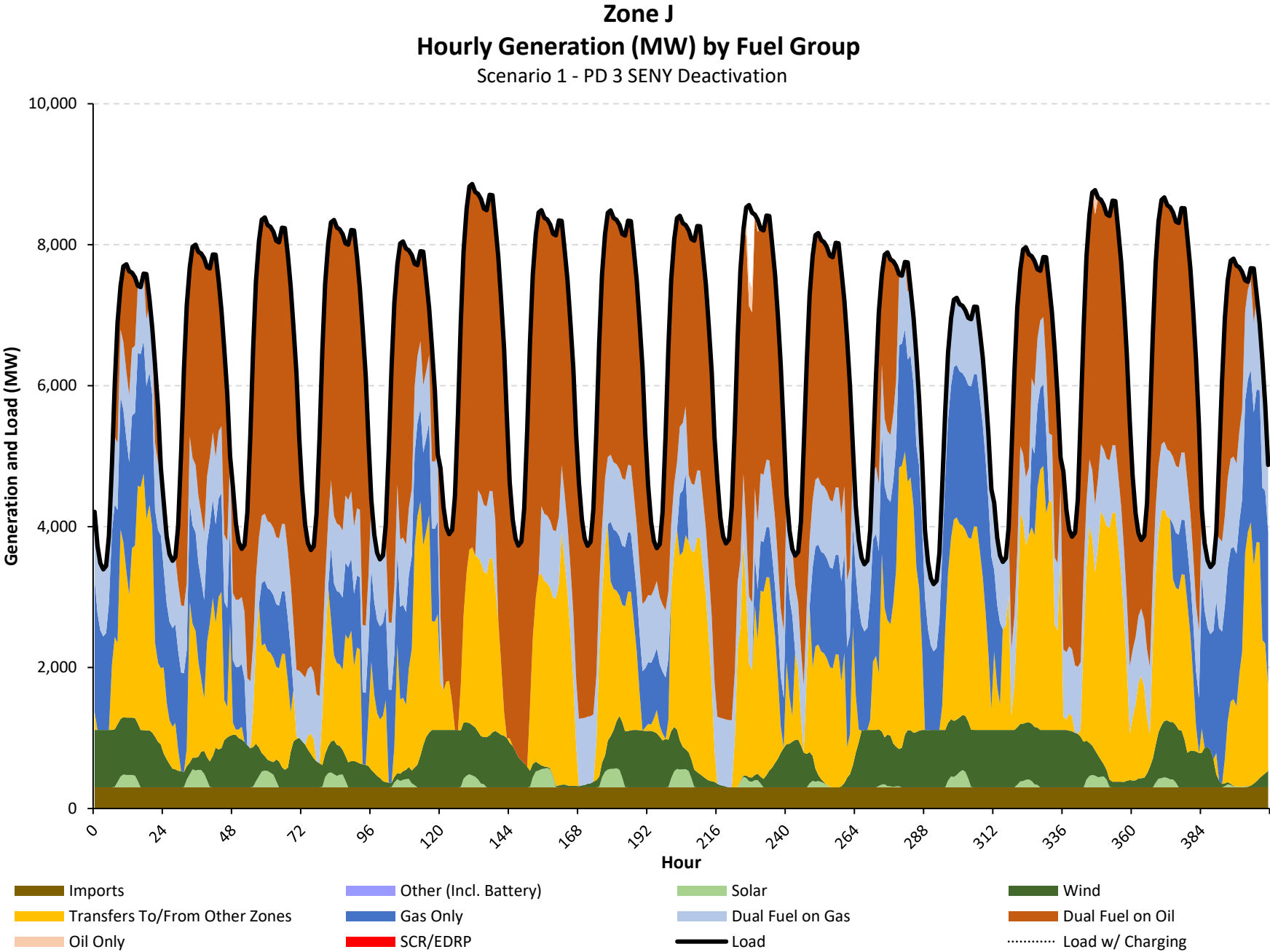
Full Period Results Summary

Case Name: Scenario 1 - PD 3 SENY Deactivation

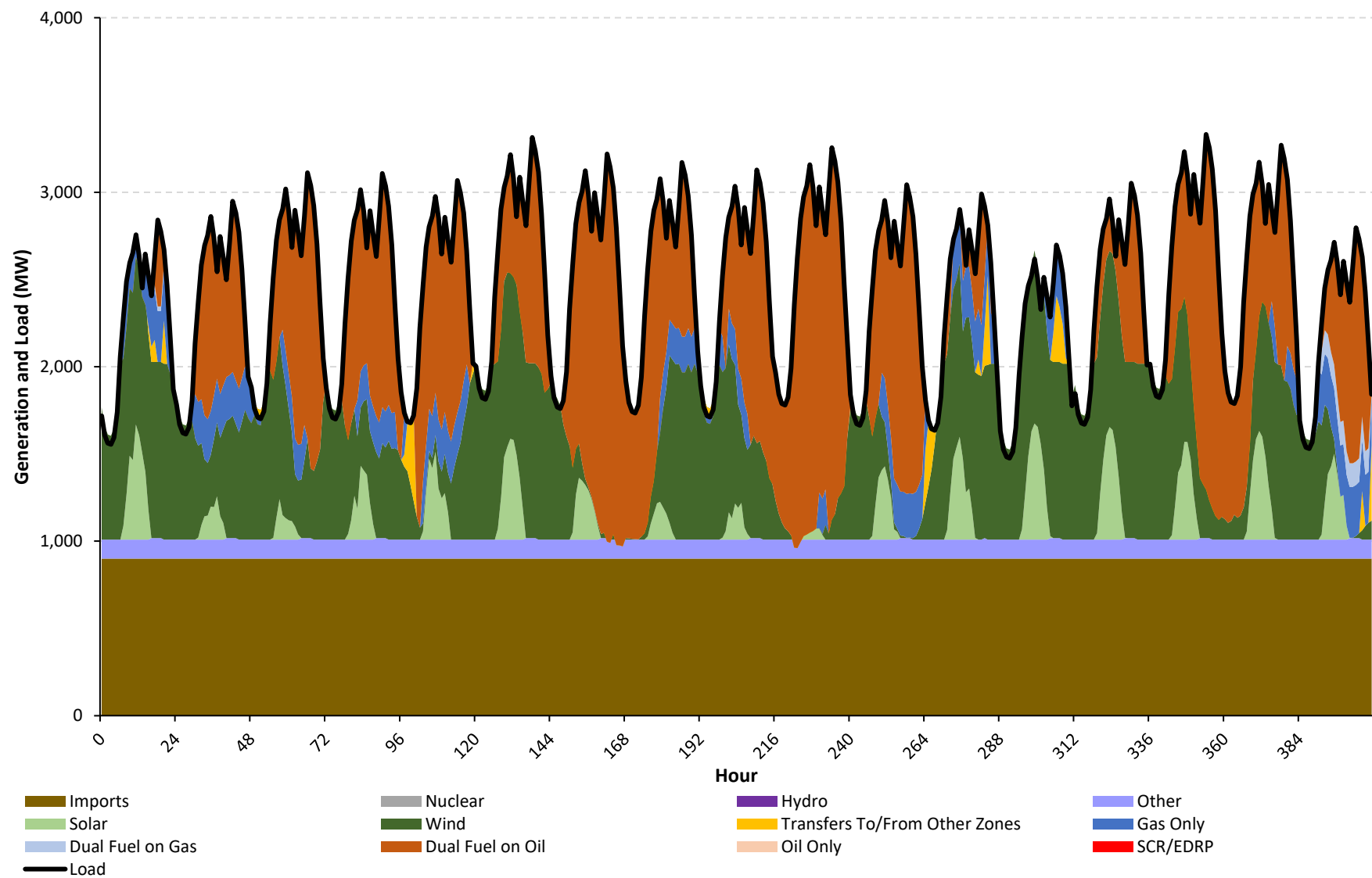
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | All        |



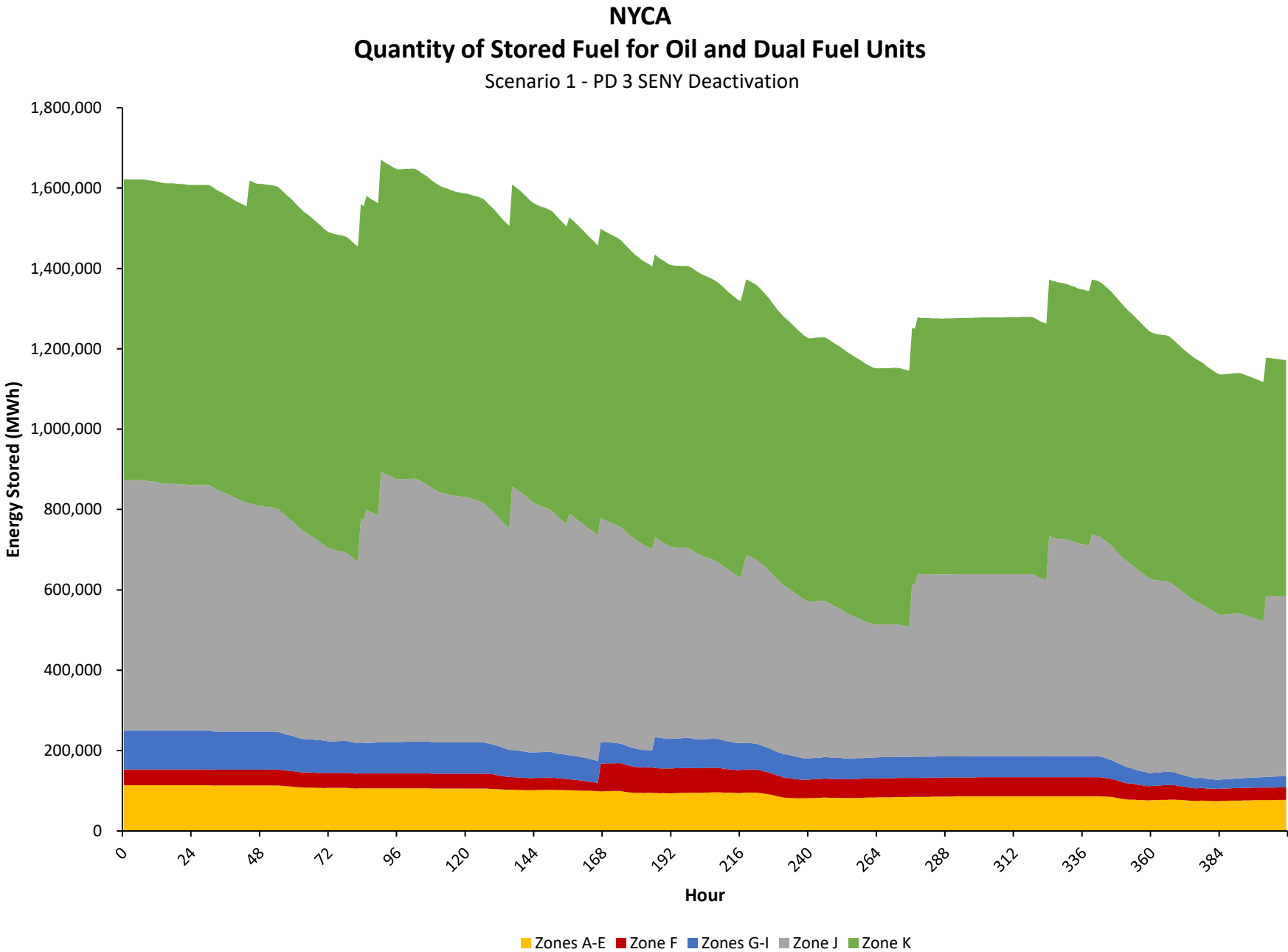


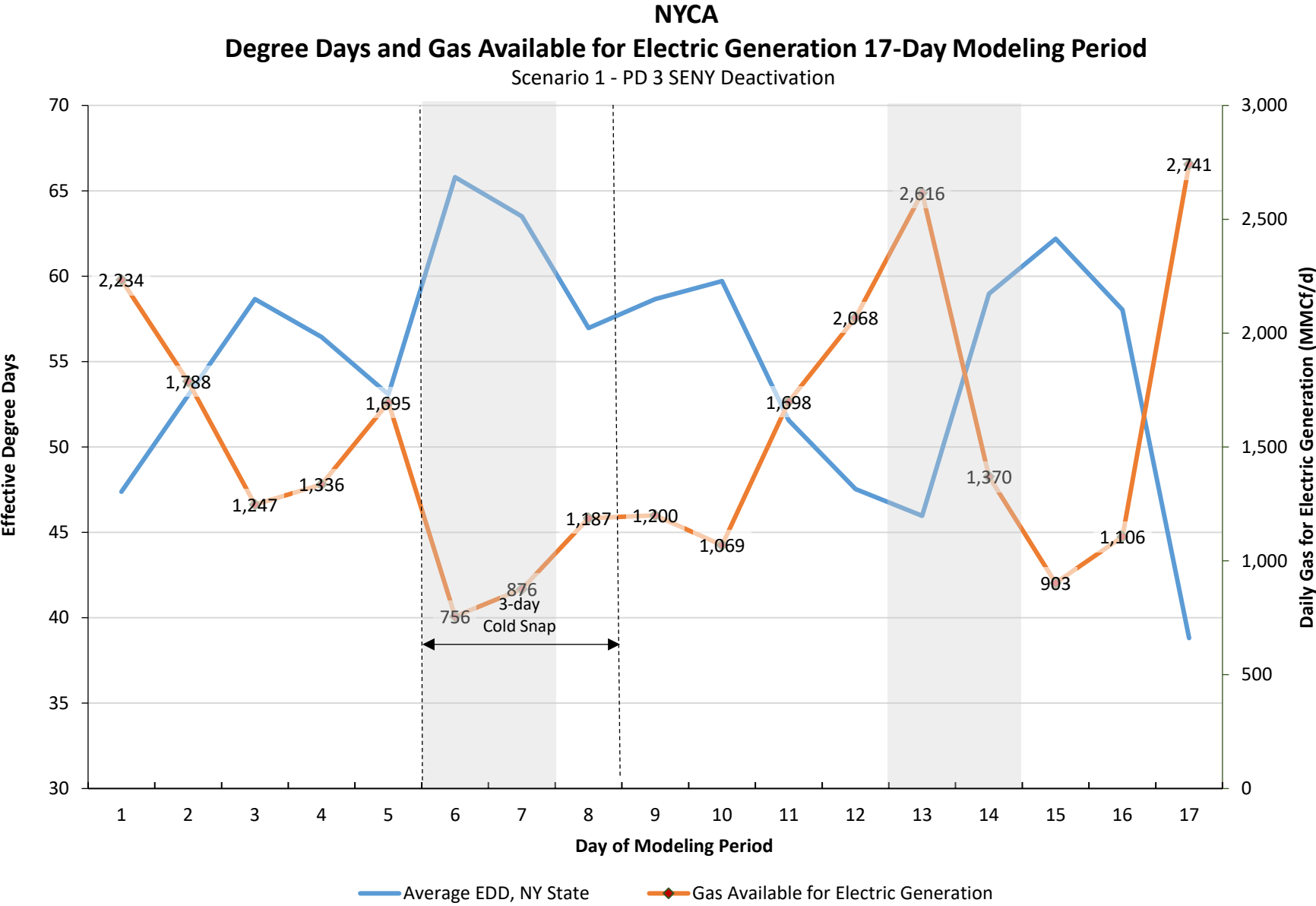


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 3 SENY Deactivation

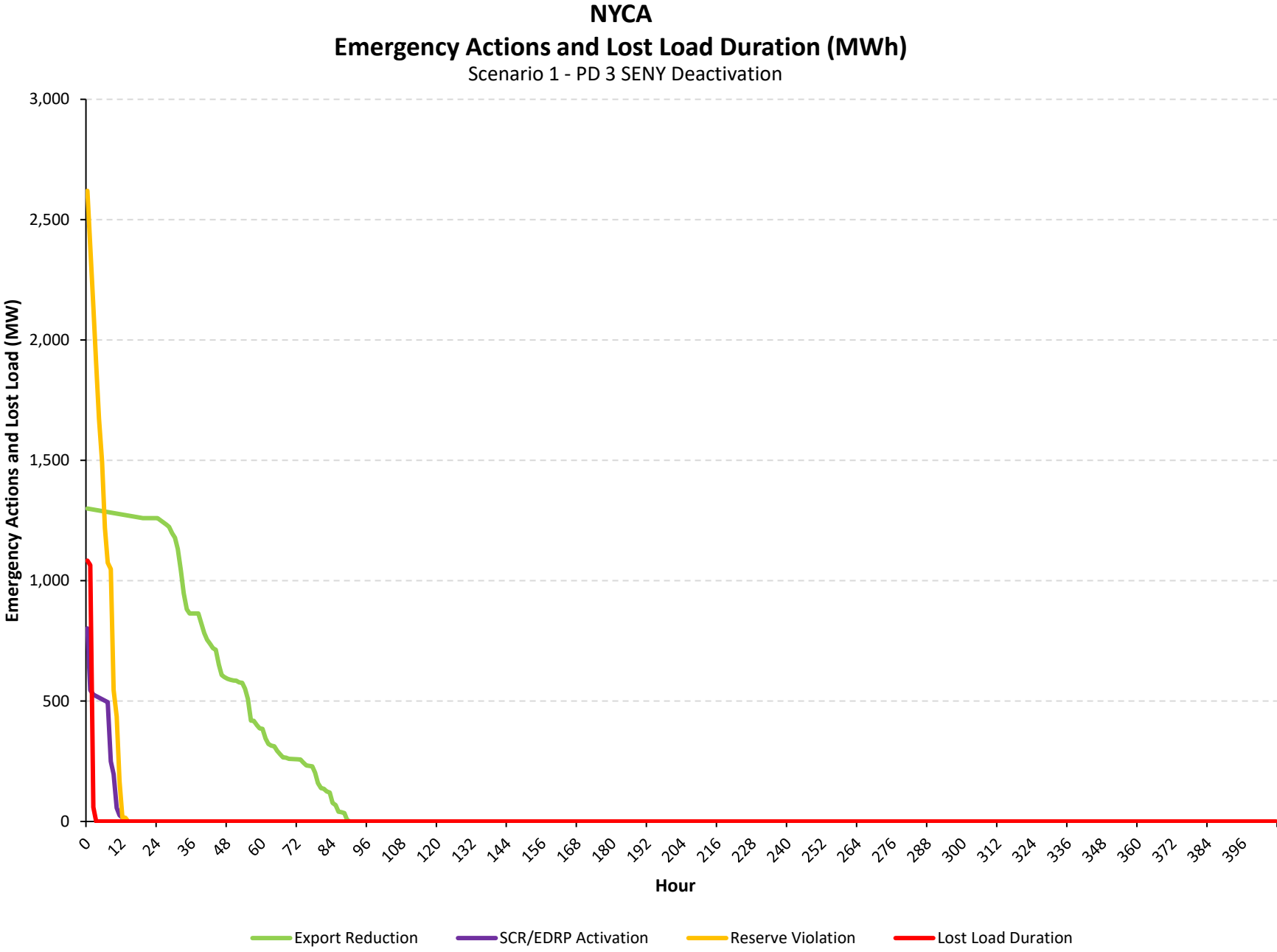


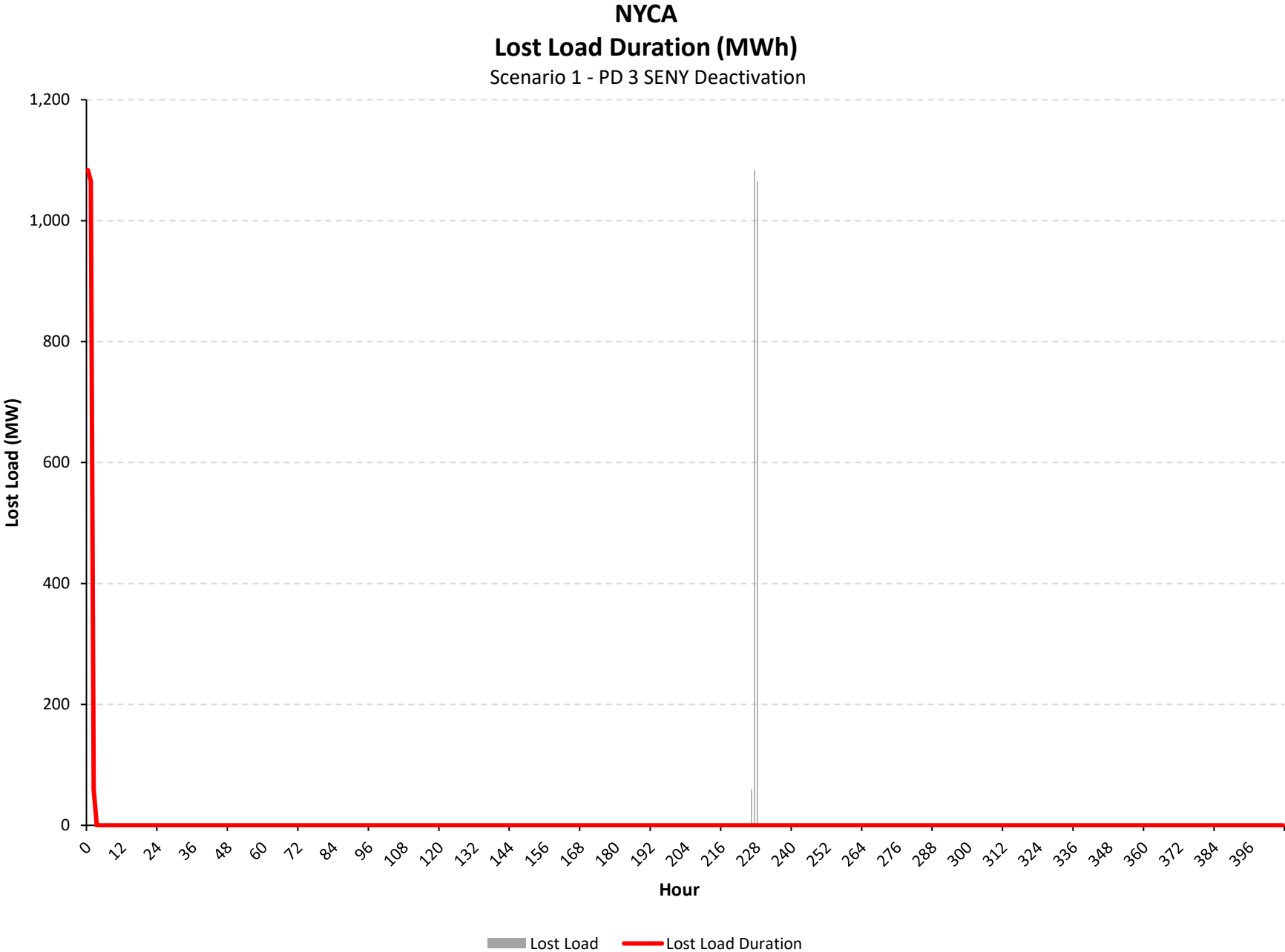






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



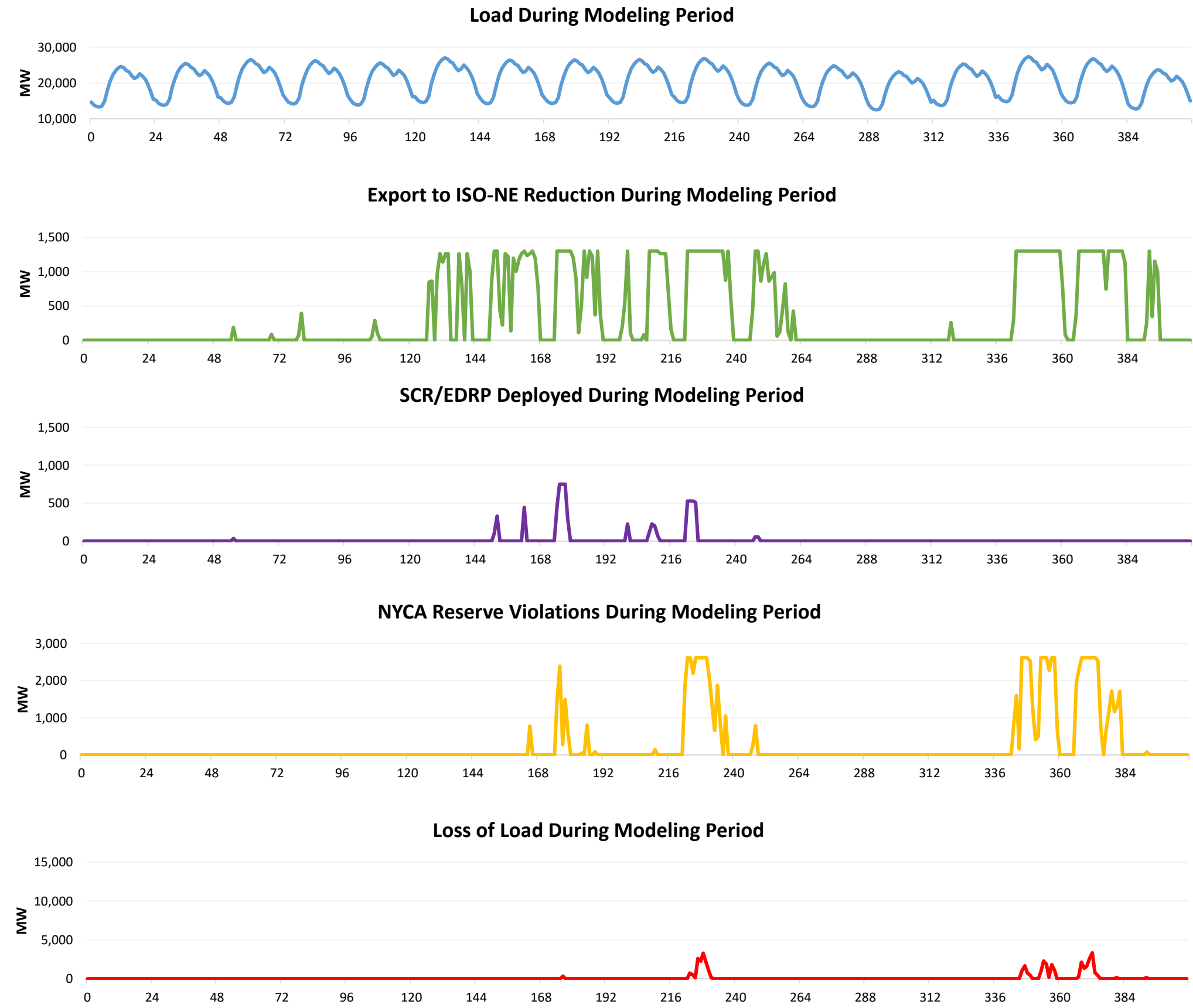


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 4 Nuclear Station Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 144     |
| Total MWh         | 143,508 |
| Avg. MW           | 351.7   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 20    |
| Total MWh      | 6,959 |
| Avg. MW        | 17.1  |

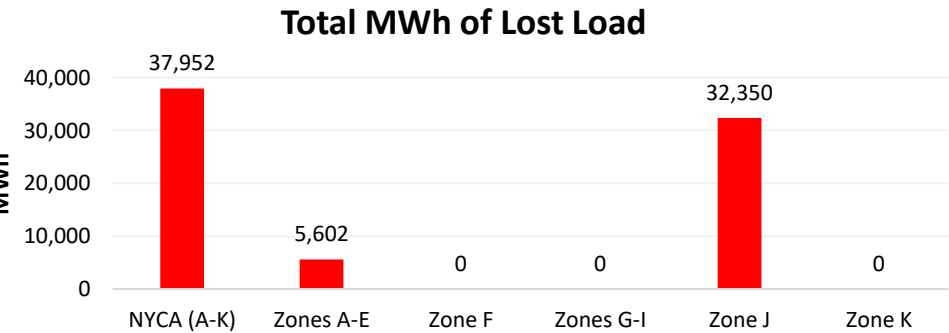
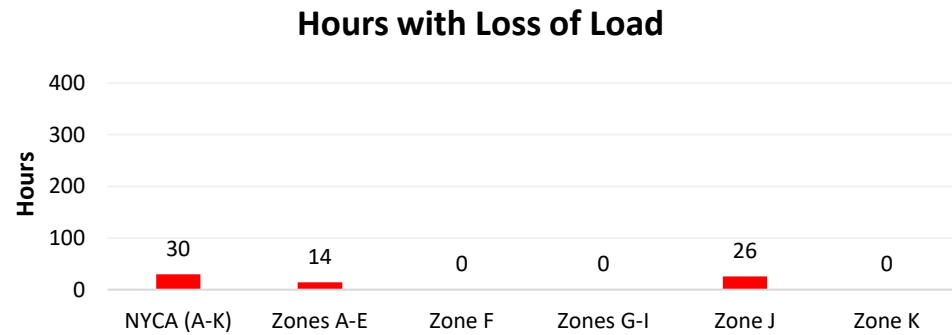
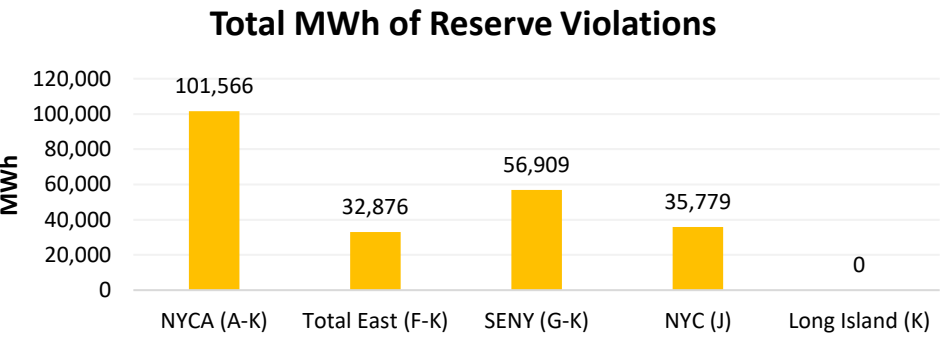
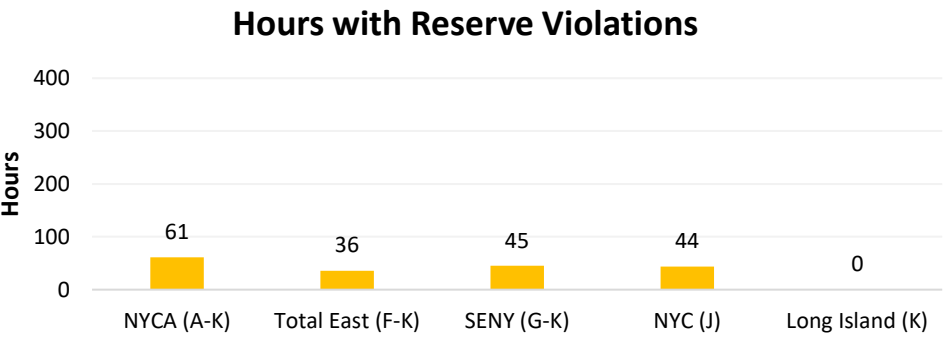
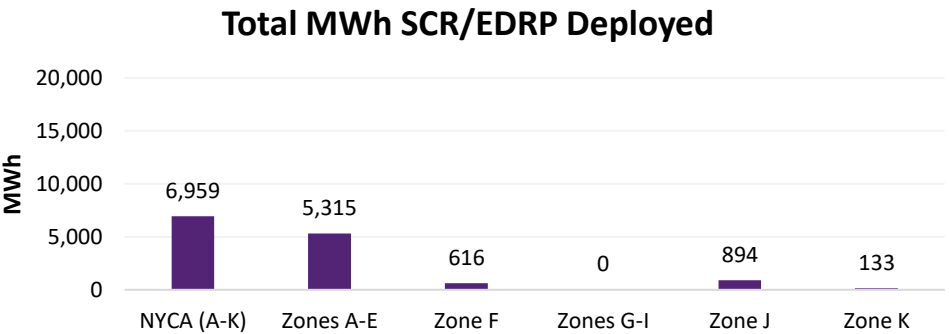
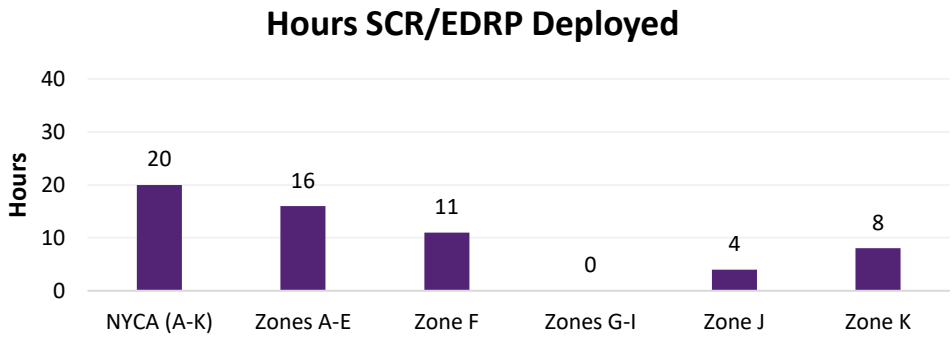
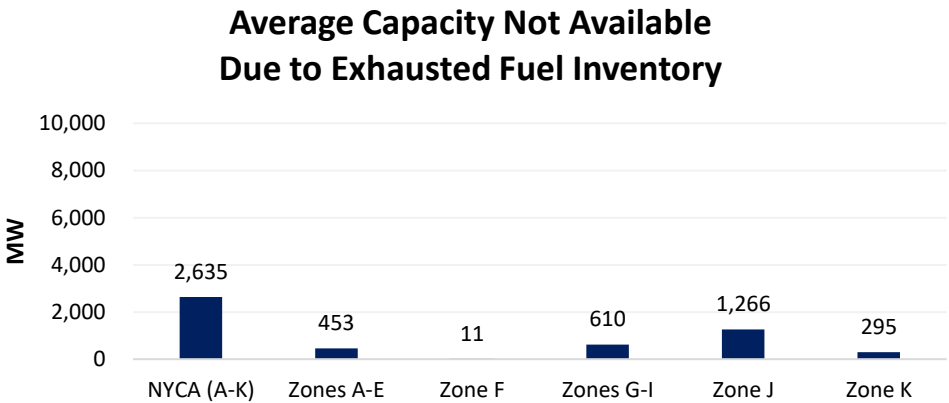
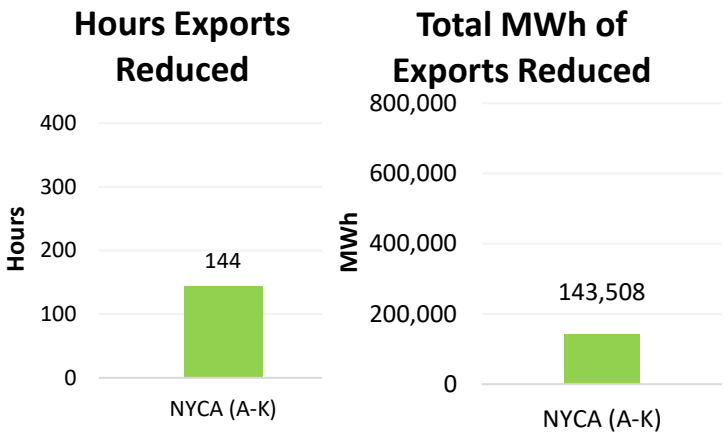
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 61      |
| Total MWh             | 101,566 |
| Avg. MW               | 248.9   |
| First Hour with Viol. | 165     |

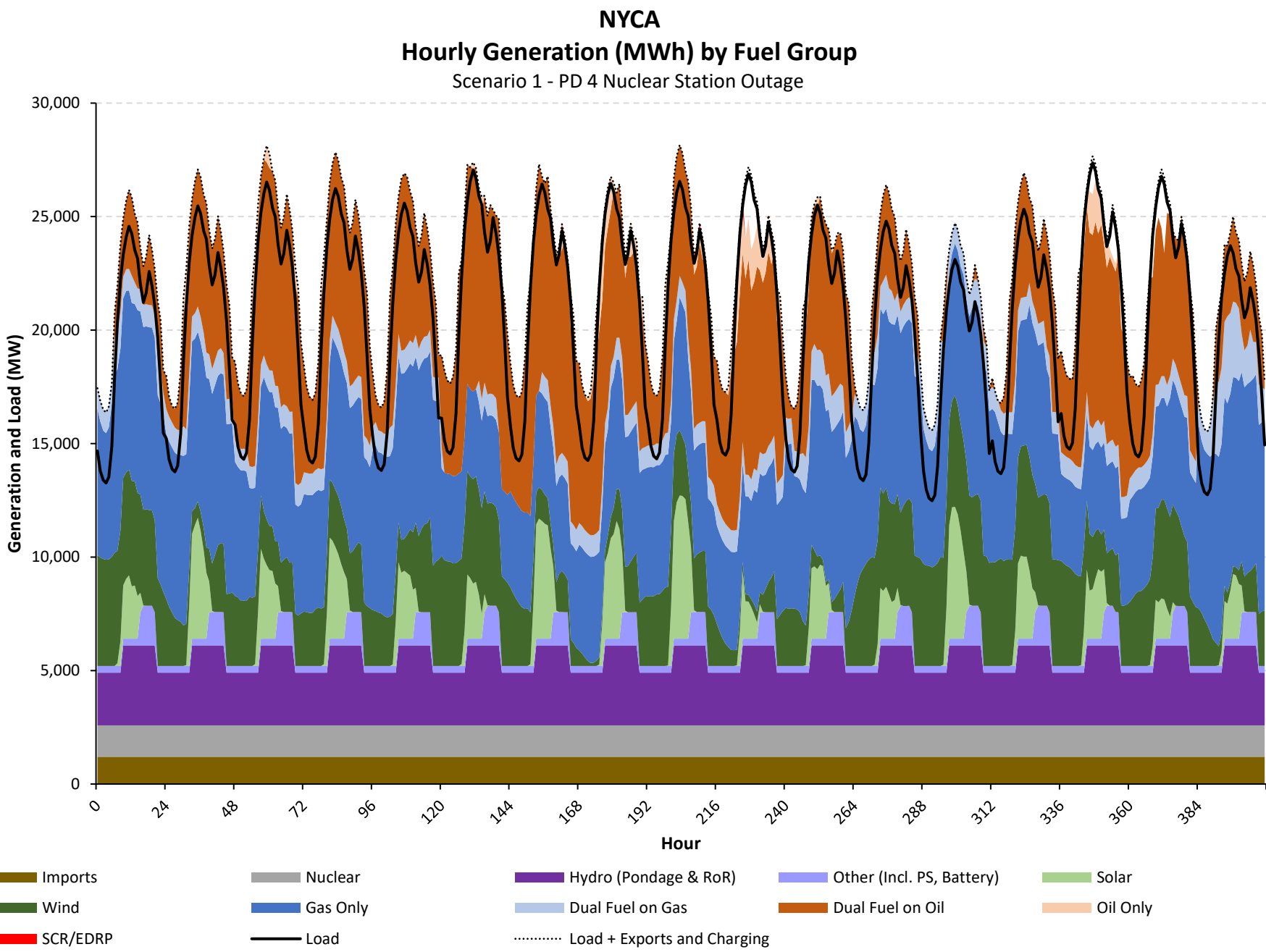
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 30     |
| Total MWh              | 37,952 |
| Avg. MW                | 93.0   |
| First Hour with Losses | 176    |

Full Period Results Summary

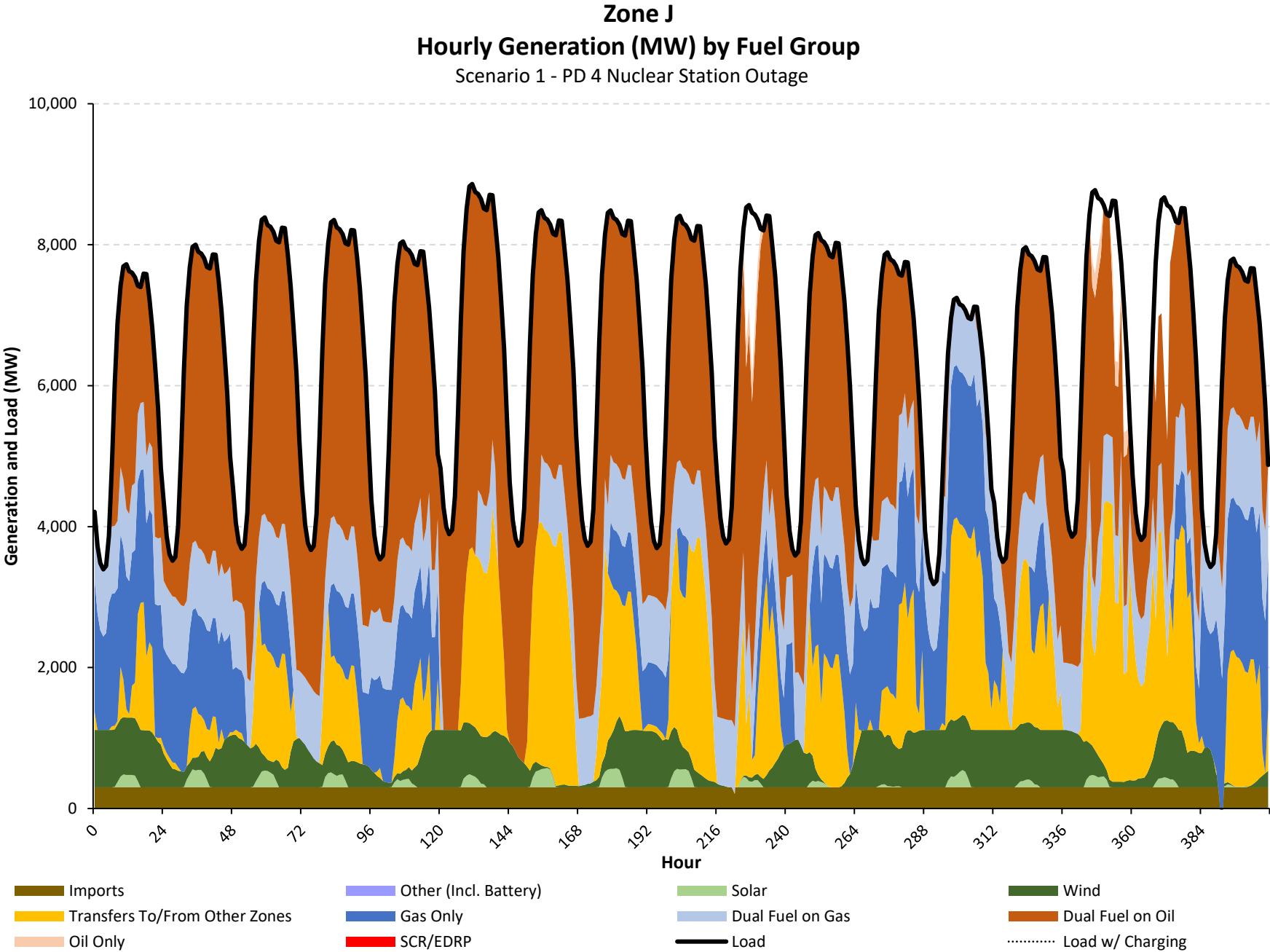
Case Name: Scenario 1 - PD 4 Nuclear Station Outage

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

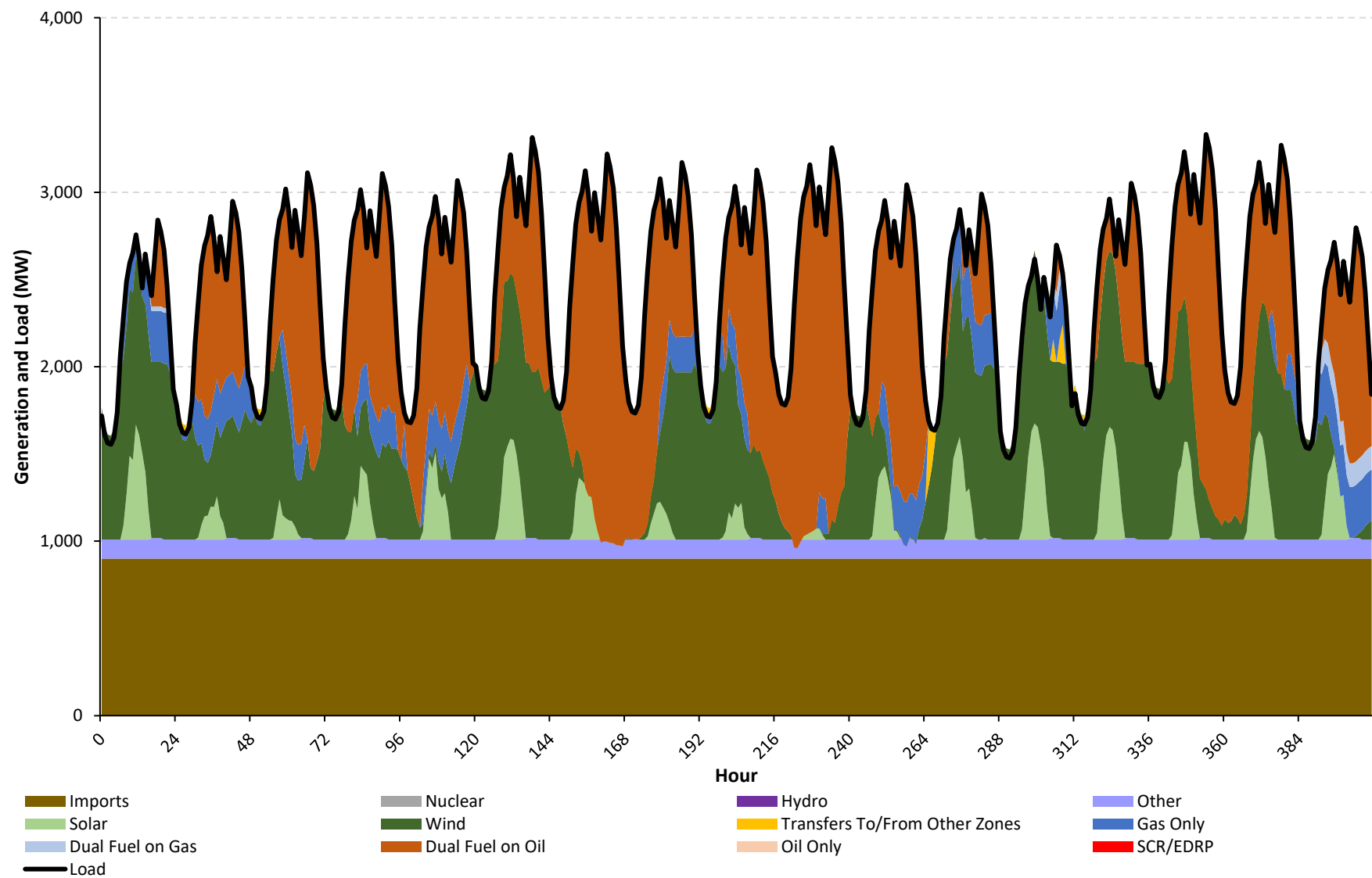


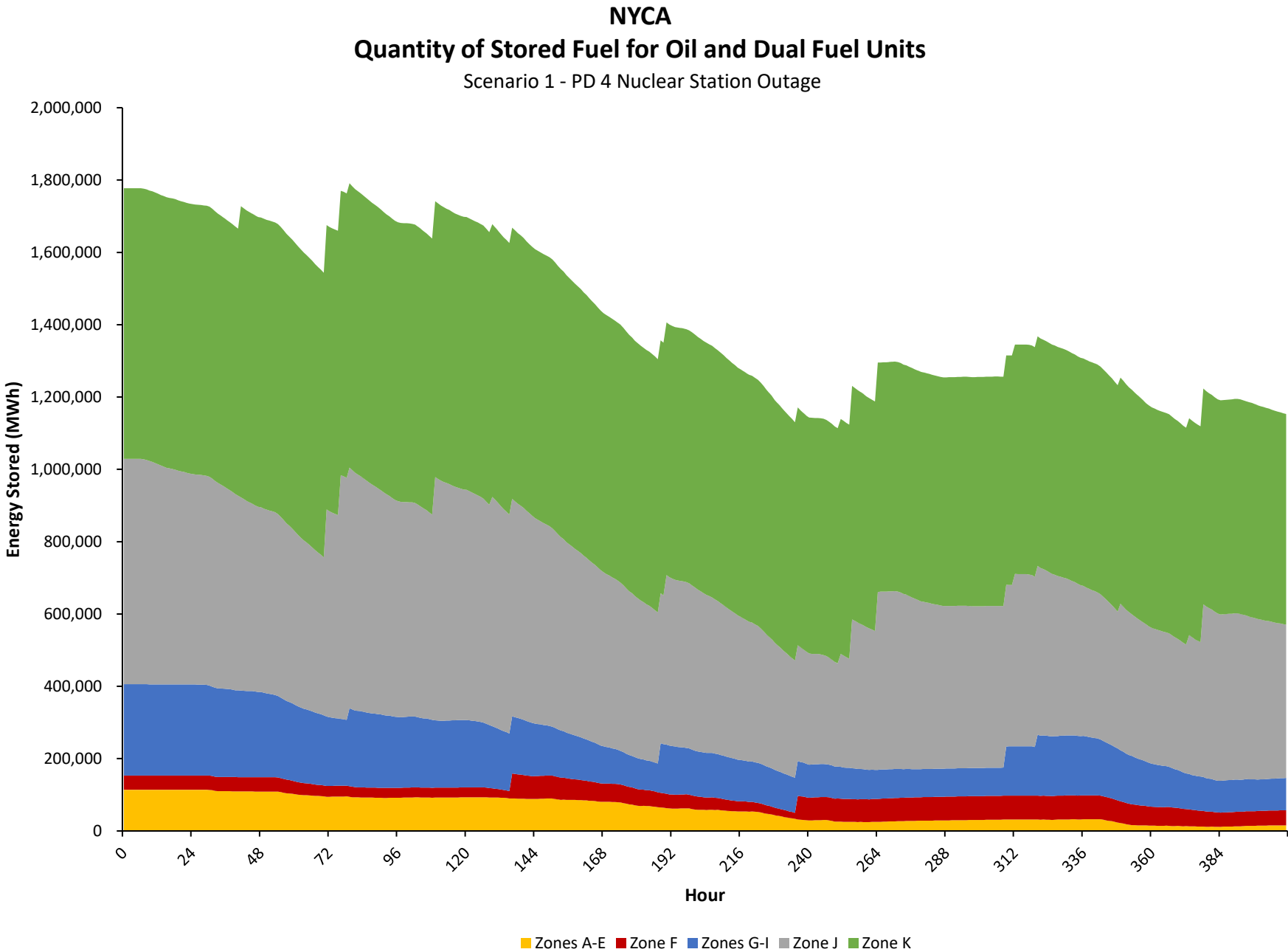


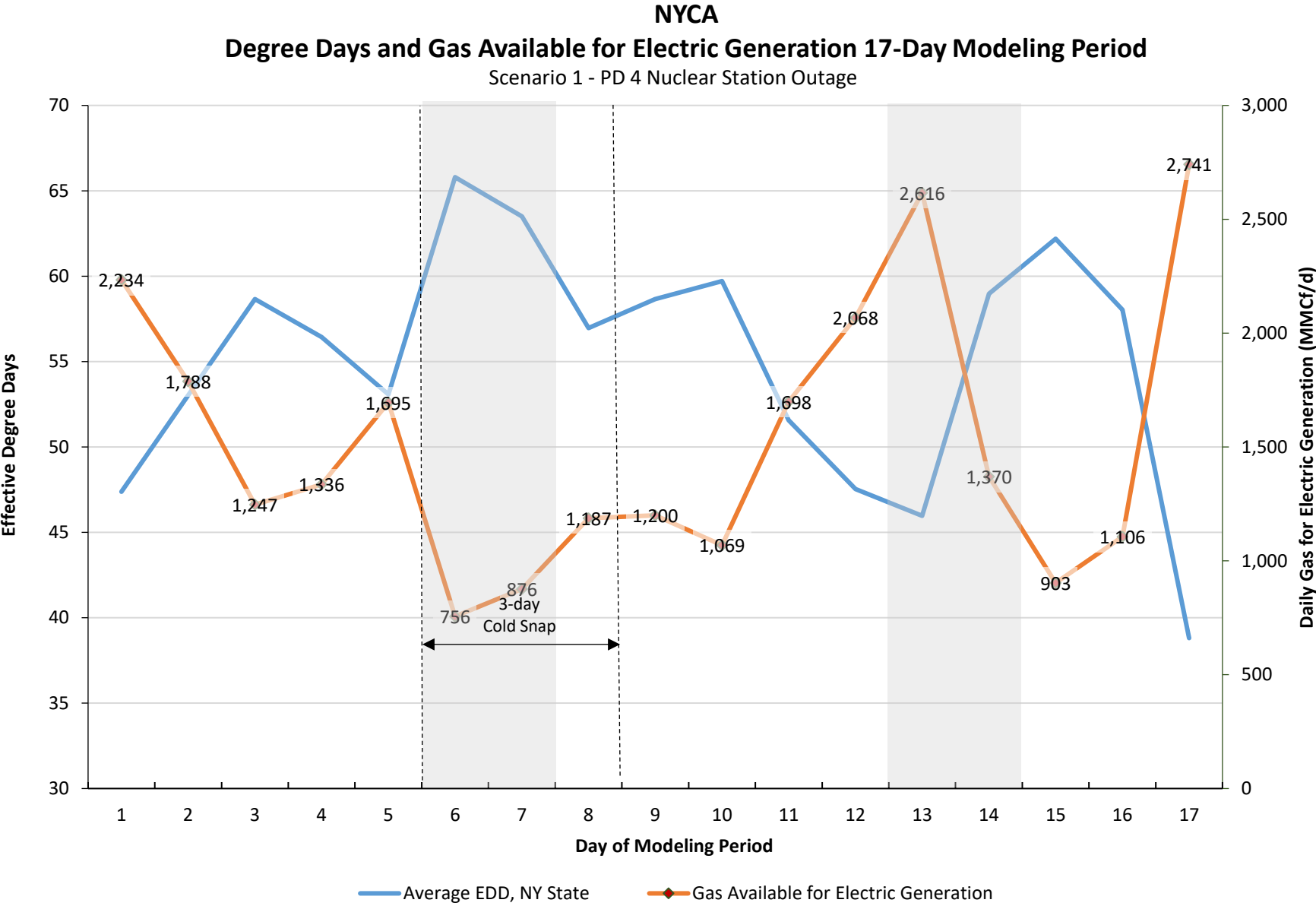




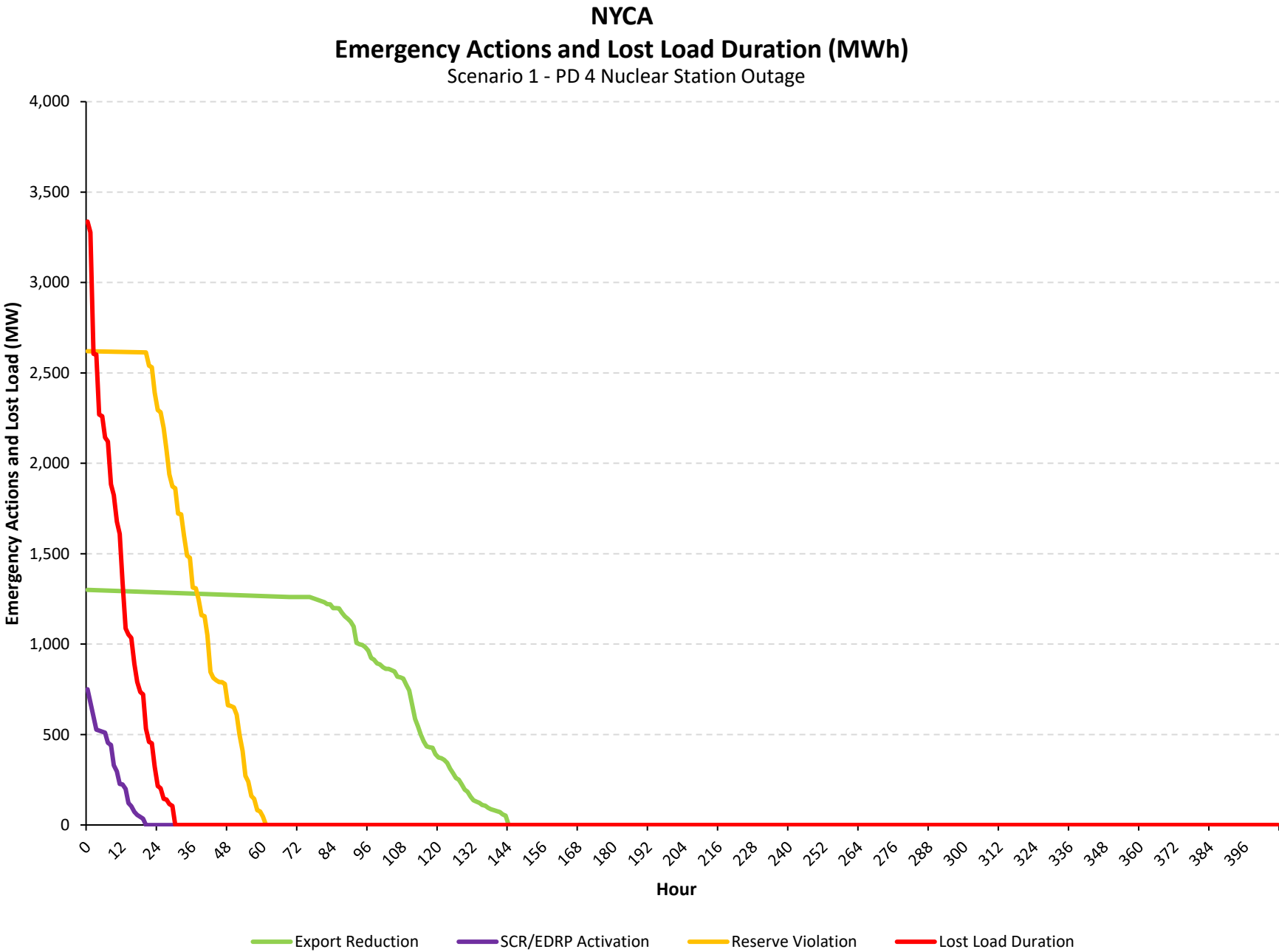
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 4 Nuclear Station Outage

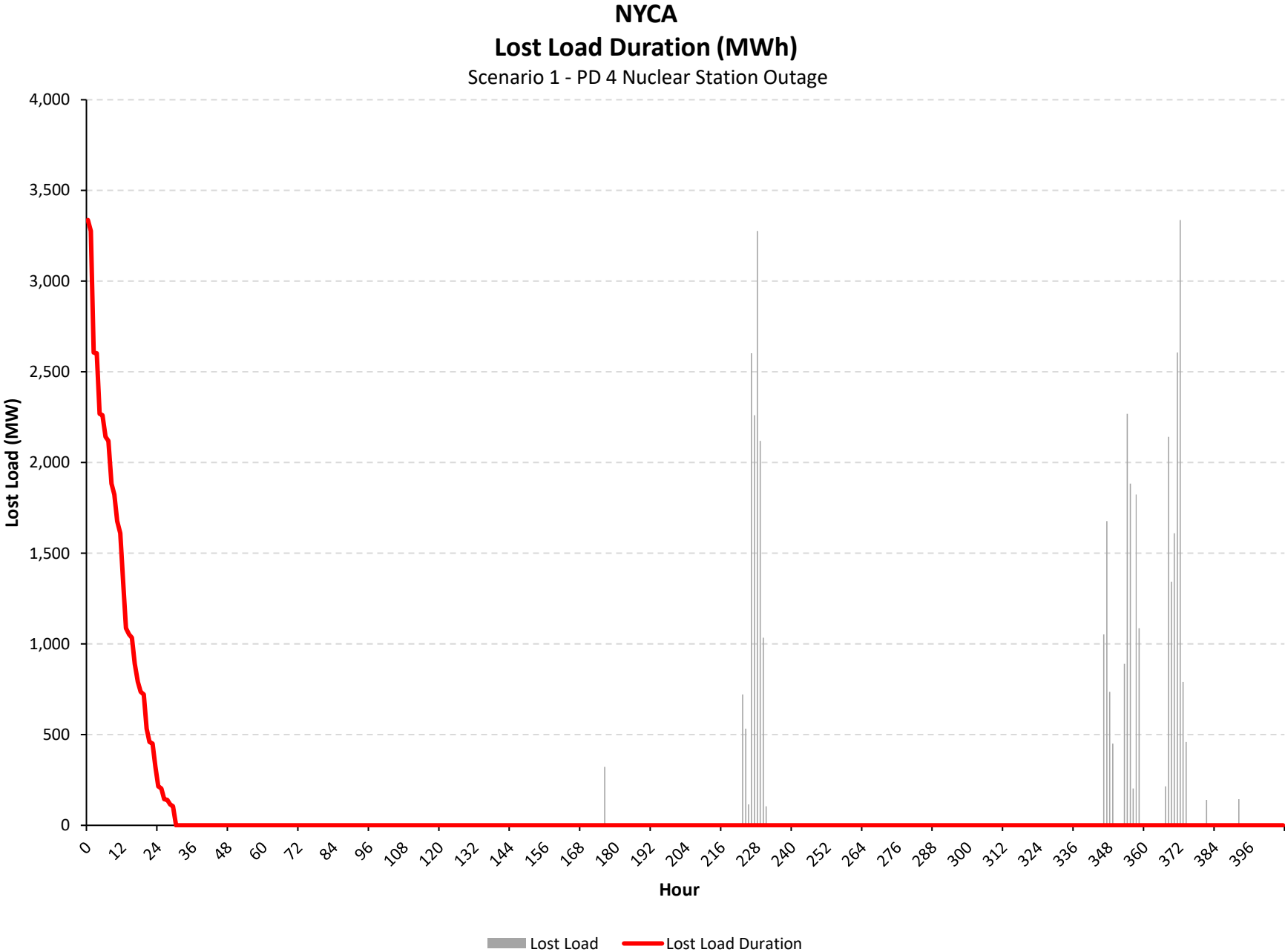






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



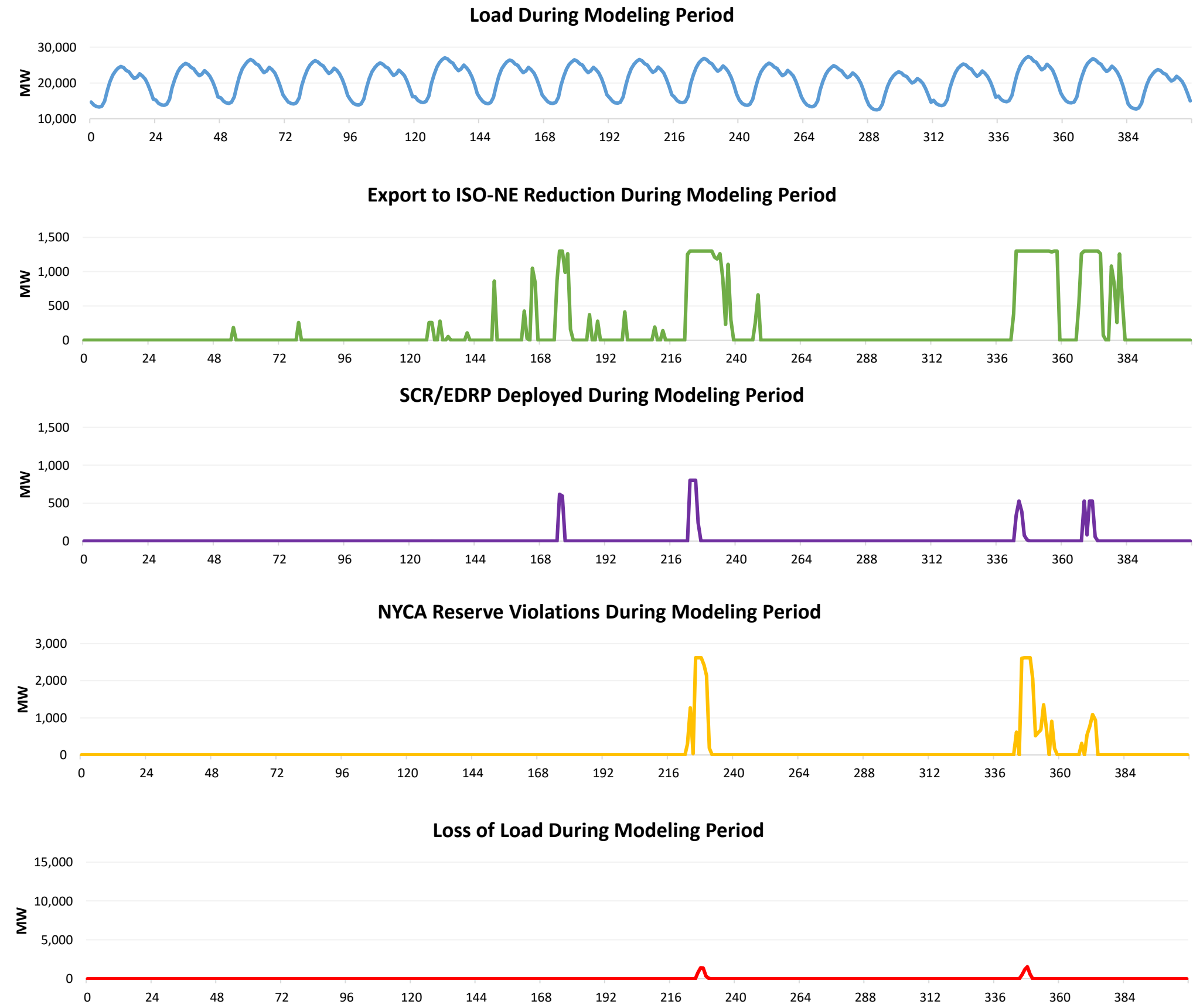


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 5 No Truck Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 74     |
| Total MWh         | 68,040 |
| Avg. MW           | 166.8  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,922 |
| Avg. MW        | 17.0  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 27     |
| Total MWh             | 35,920 |
| Avg. MW               | 88.0   |
| First Hour with Viol. | 223    |

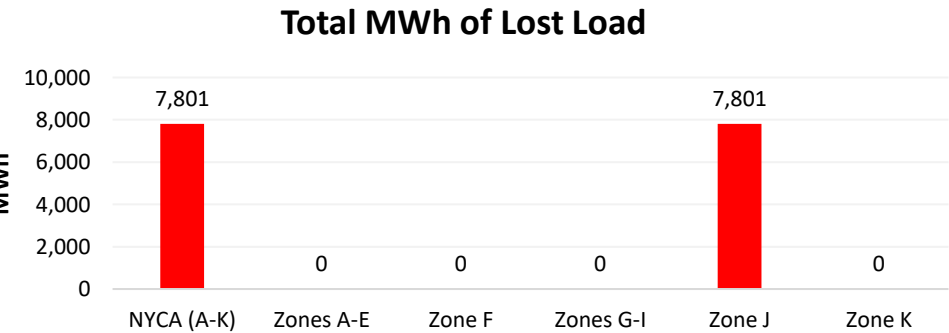
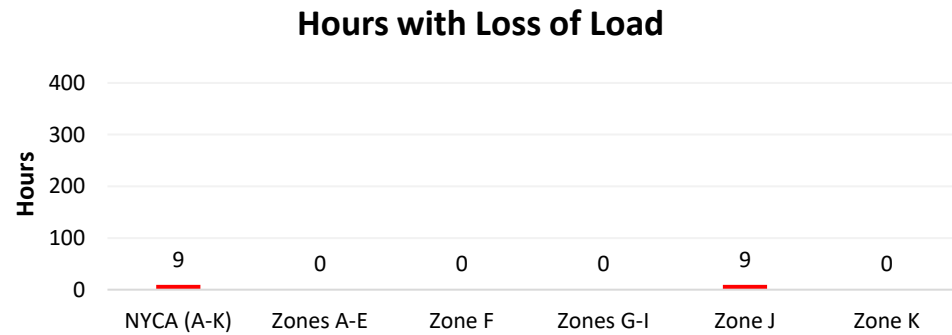
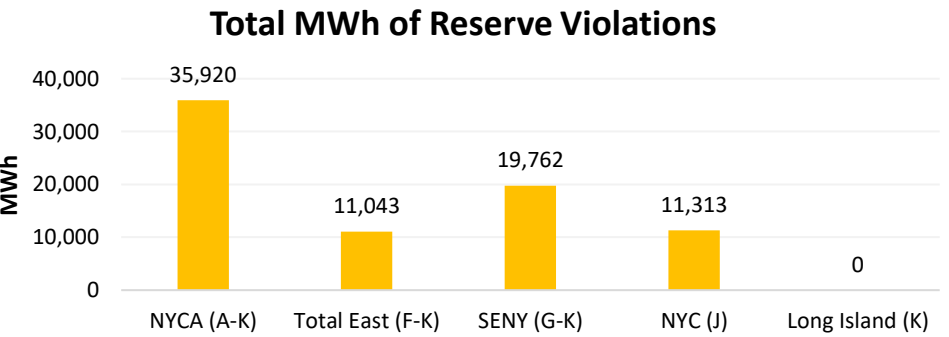
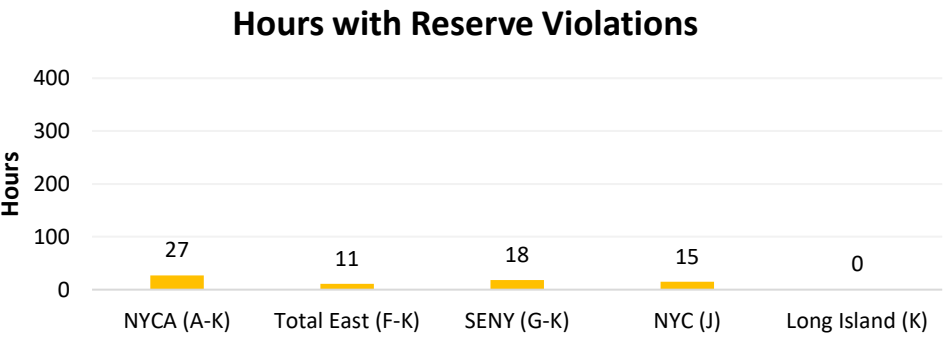
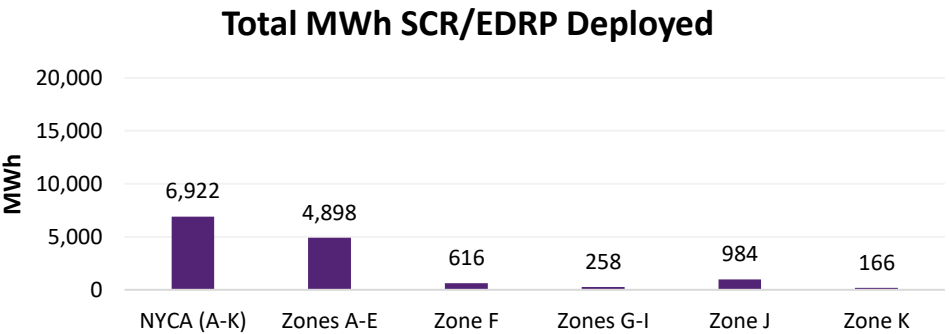
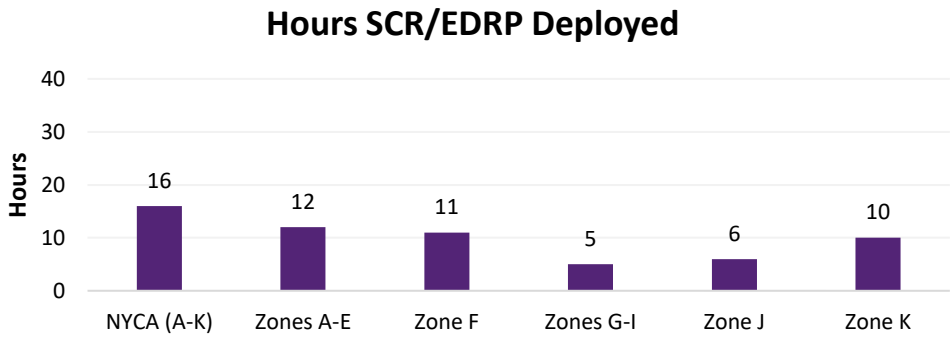
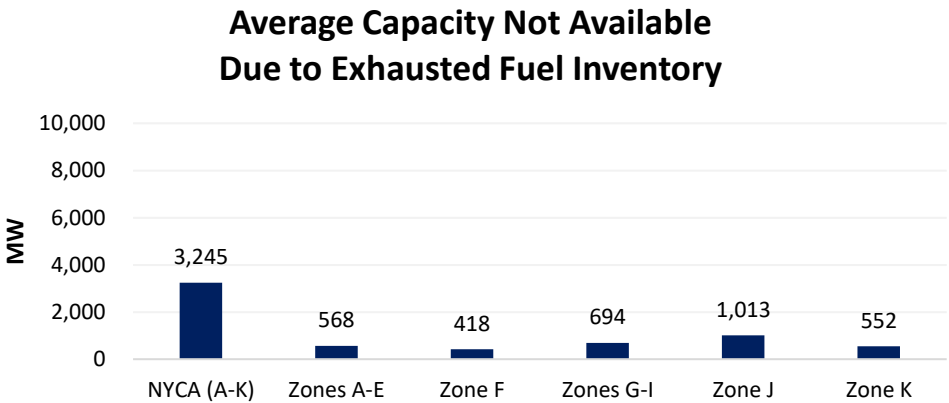
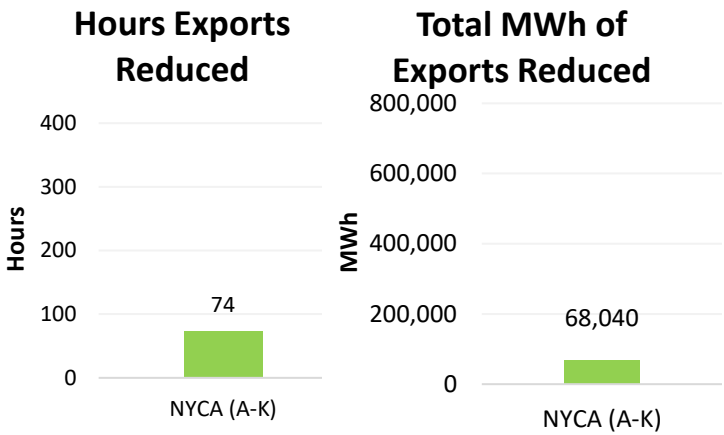
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 9     |
| Total MWh              | 7,801 |
| Avg. MW                | 19.1  |
| First Hour with Losses | 226   |

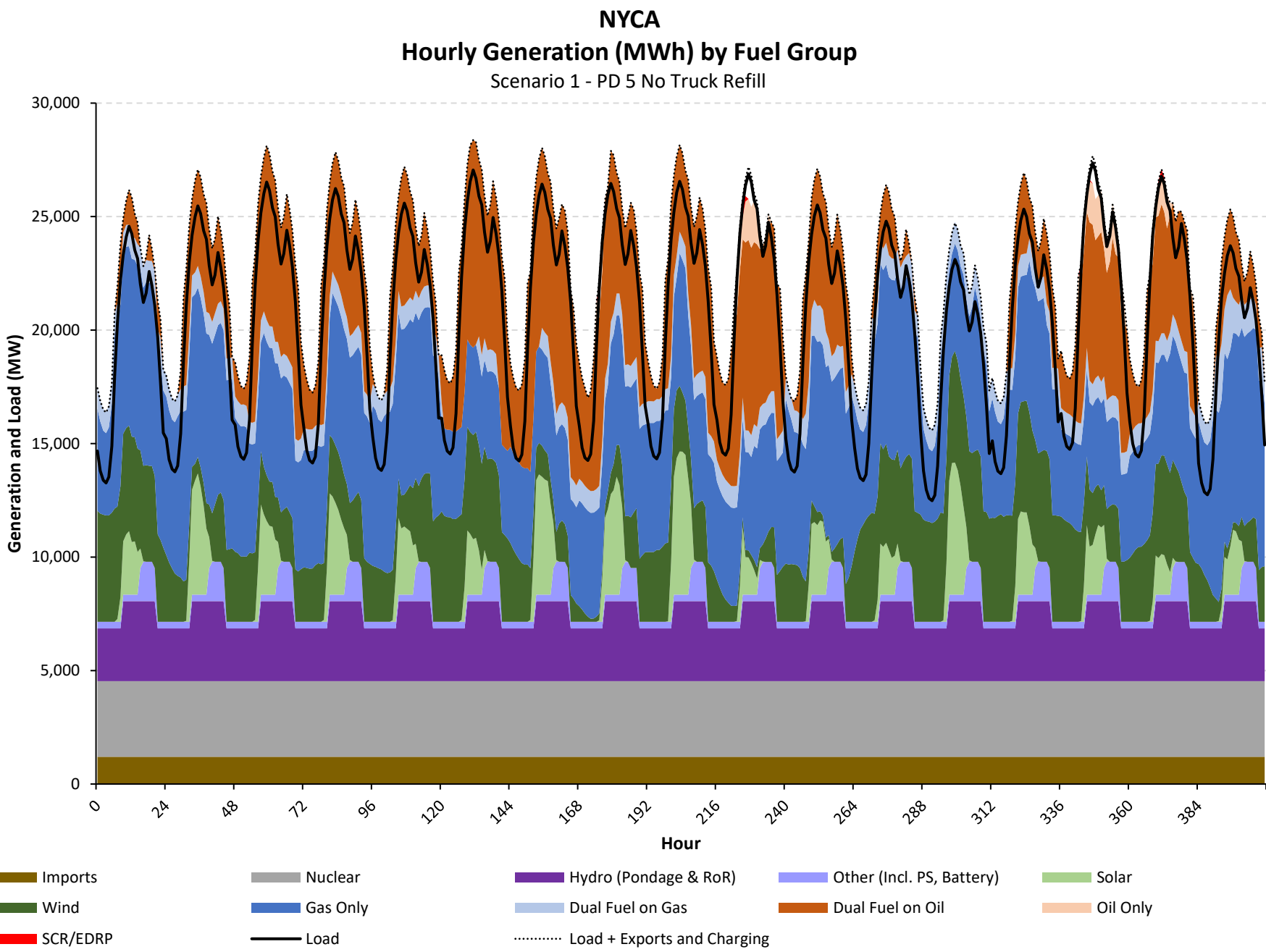


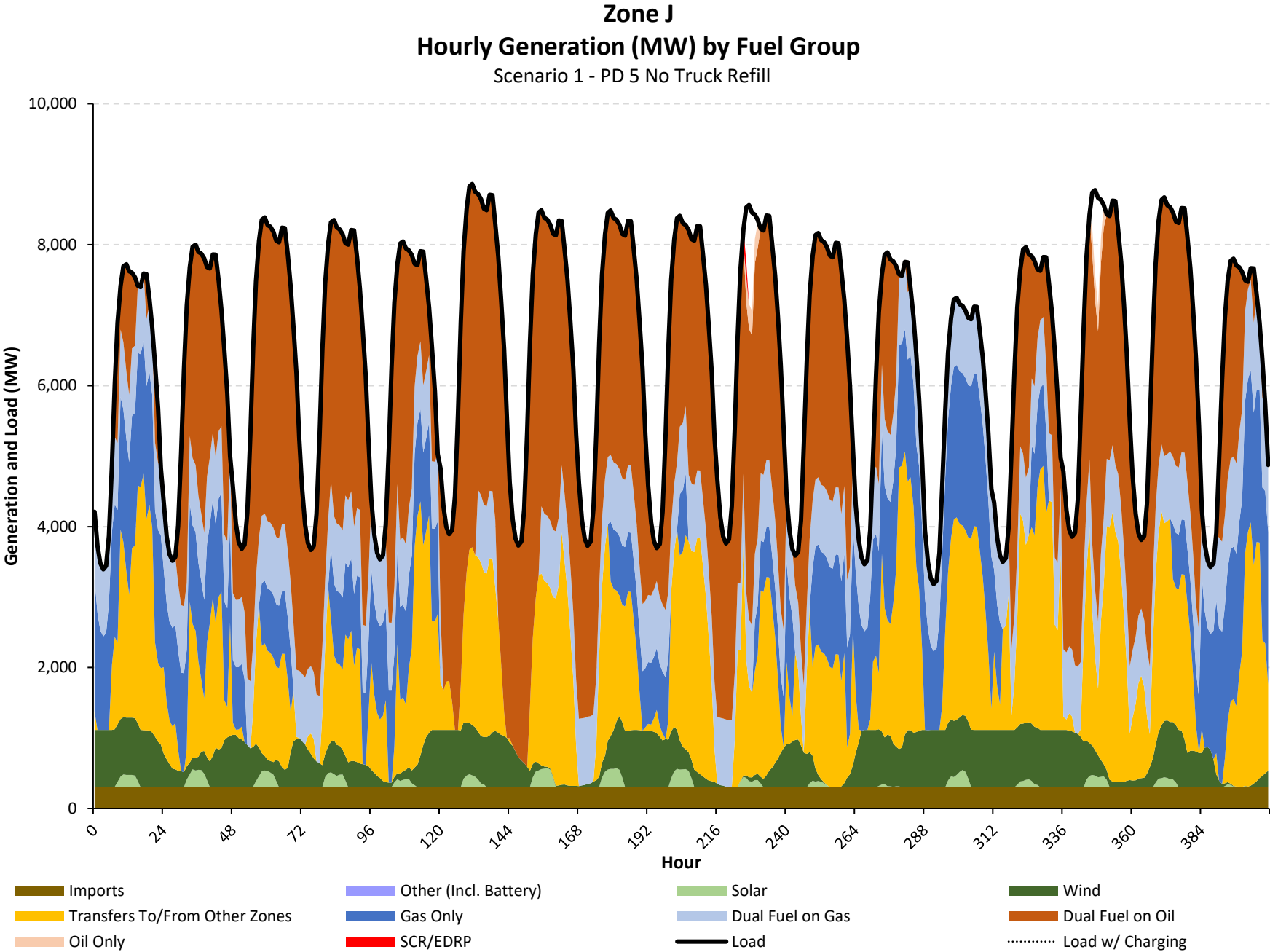
Full Period Results Summary

Case Name: Scenario 1 - PD 5 No Truck Refill

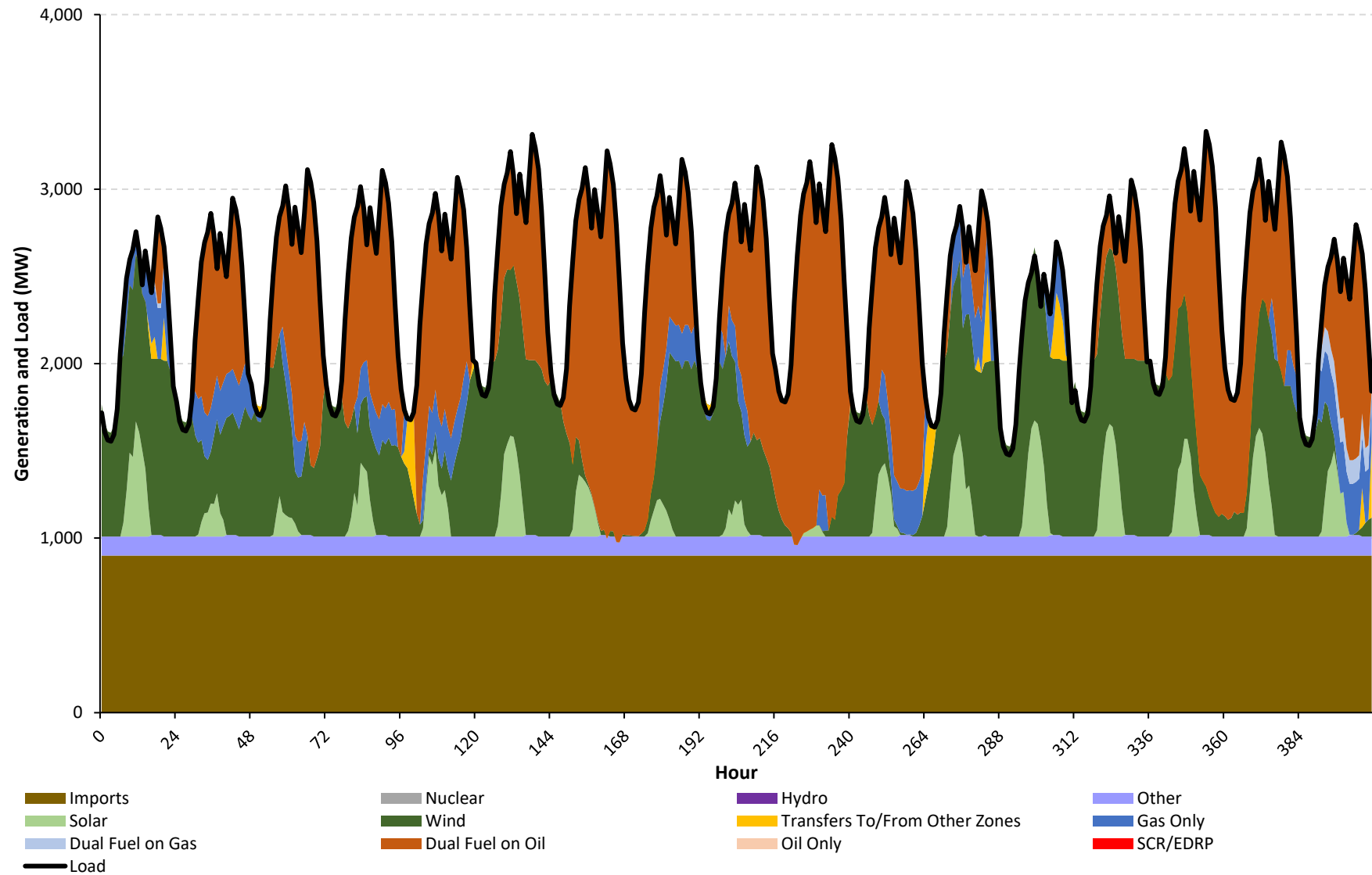
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



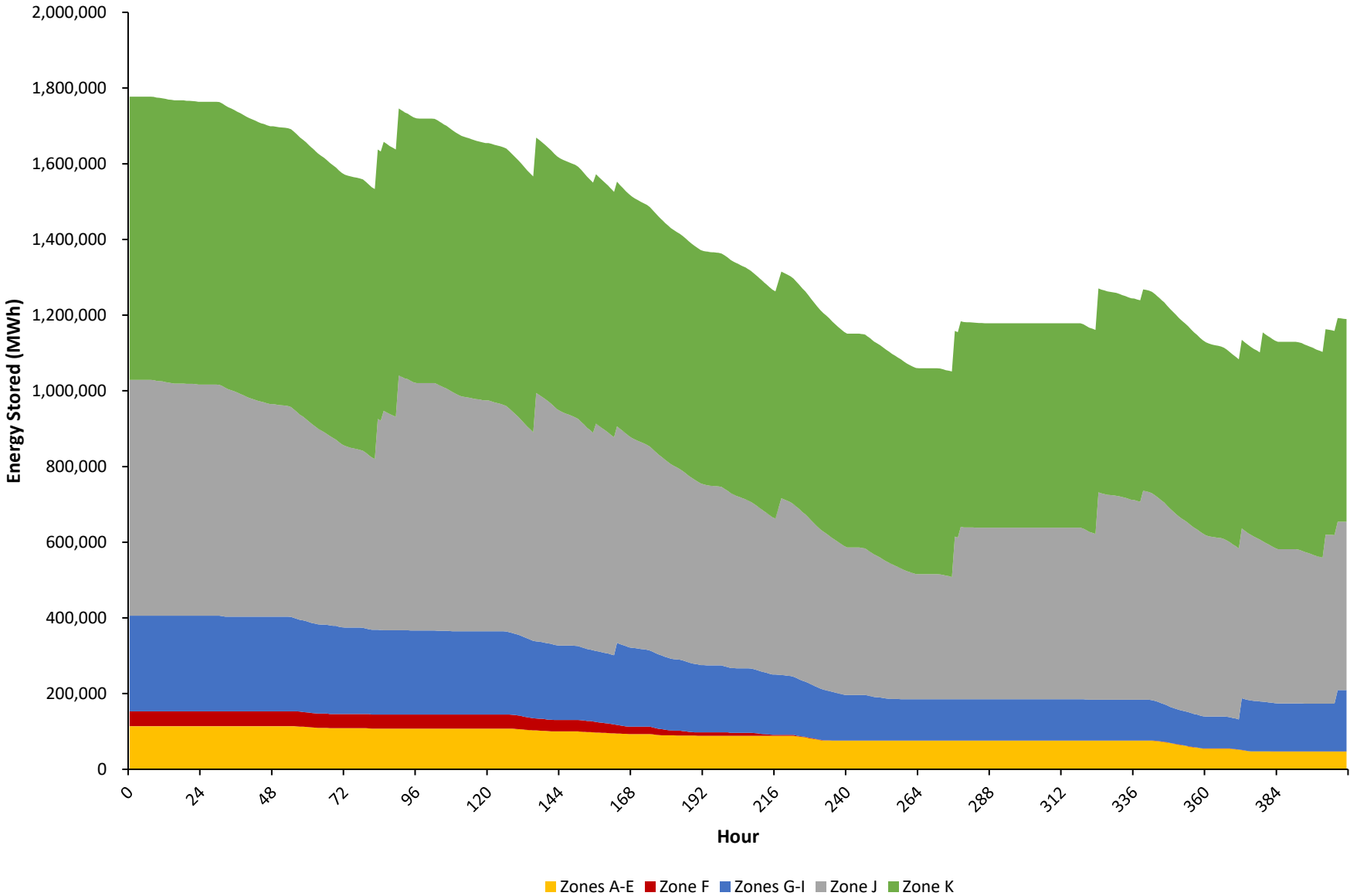




Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 1 - PD 5 No Truck Refill

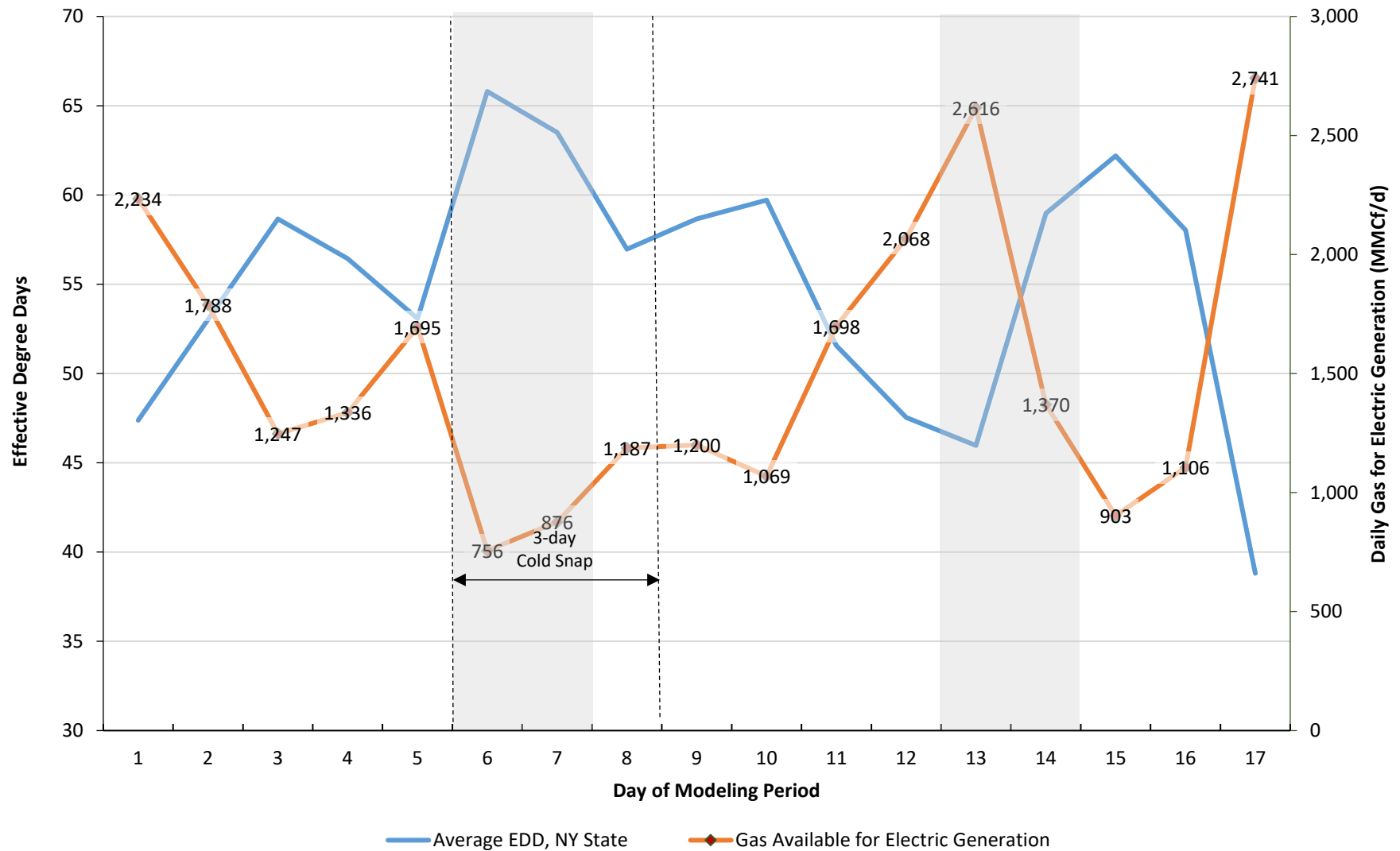


**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 1 - PD 5 No Truck Refill



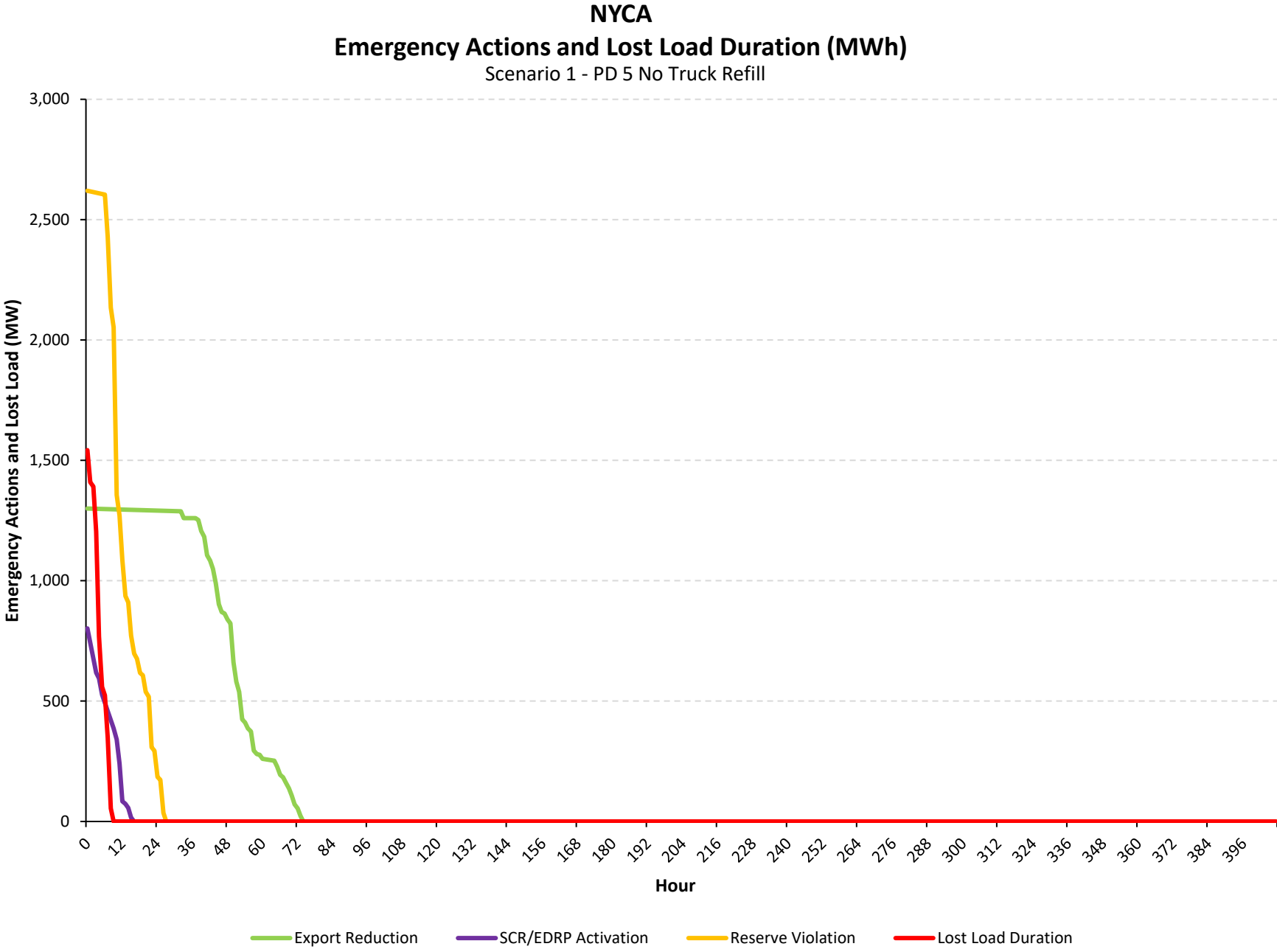
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

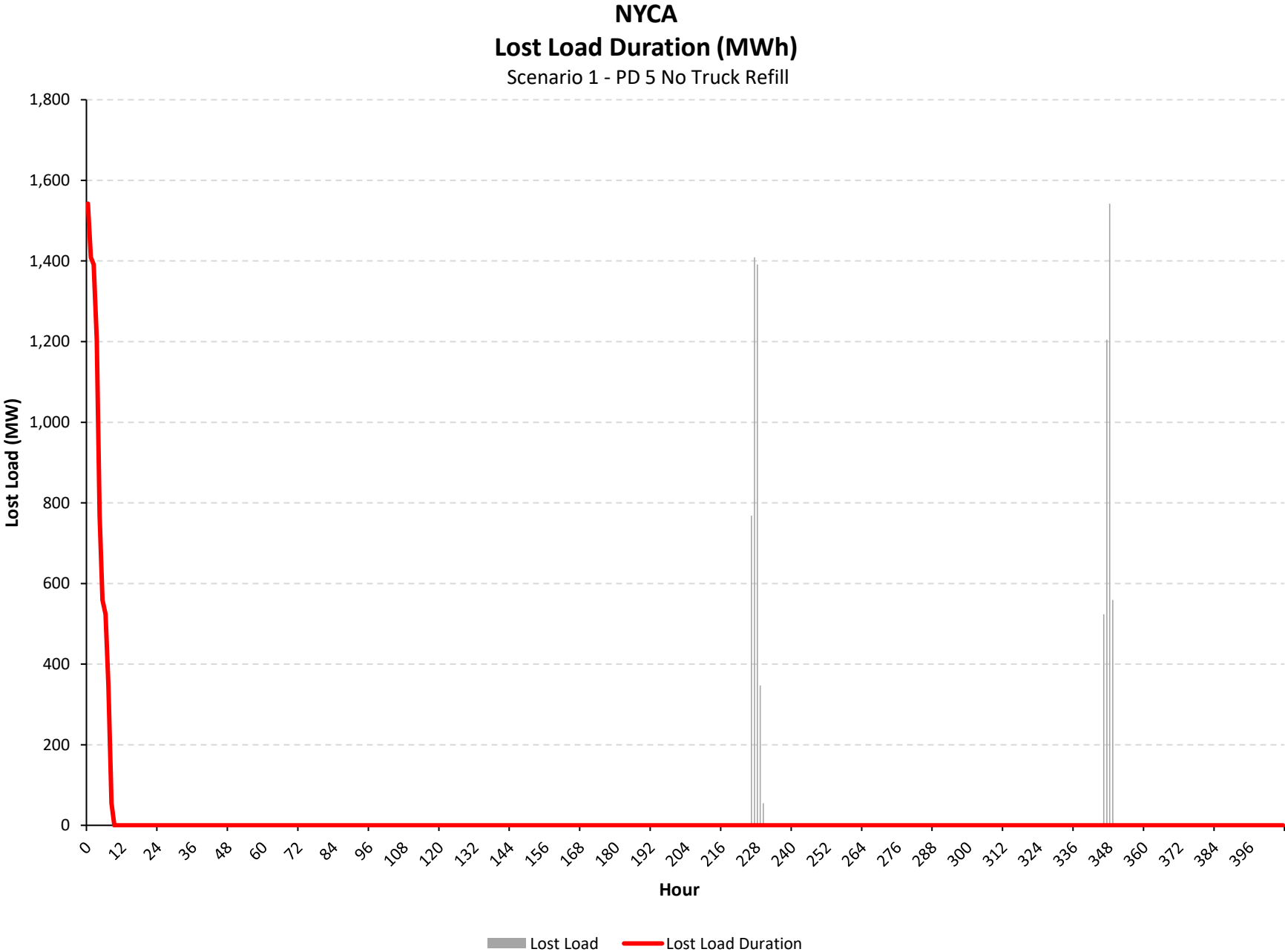
Scenario 1 - PD 5 No Truck Refill



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





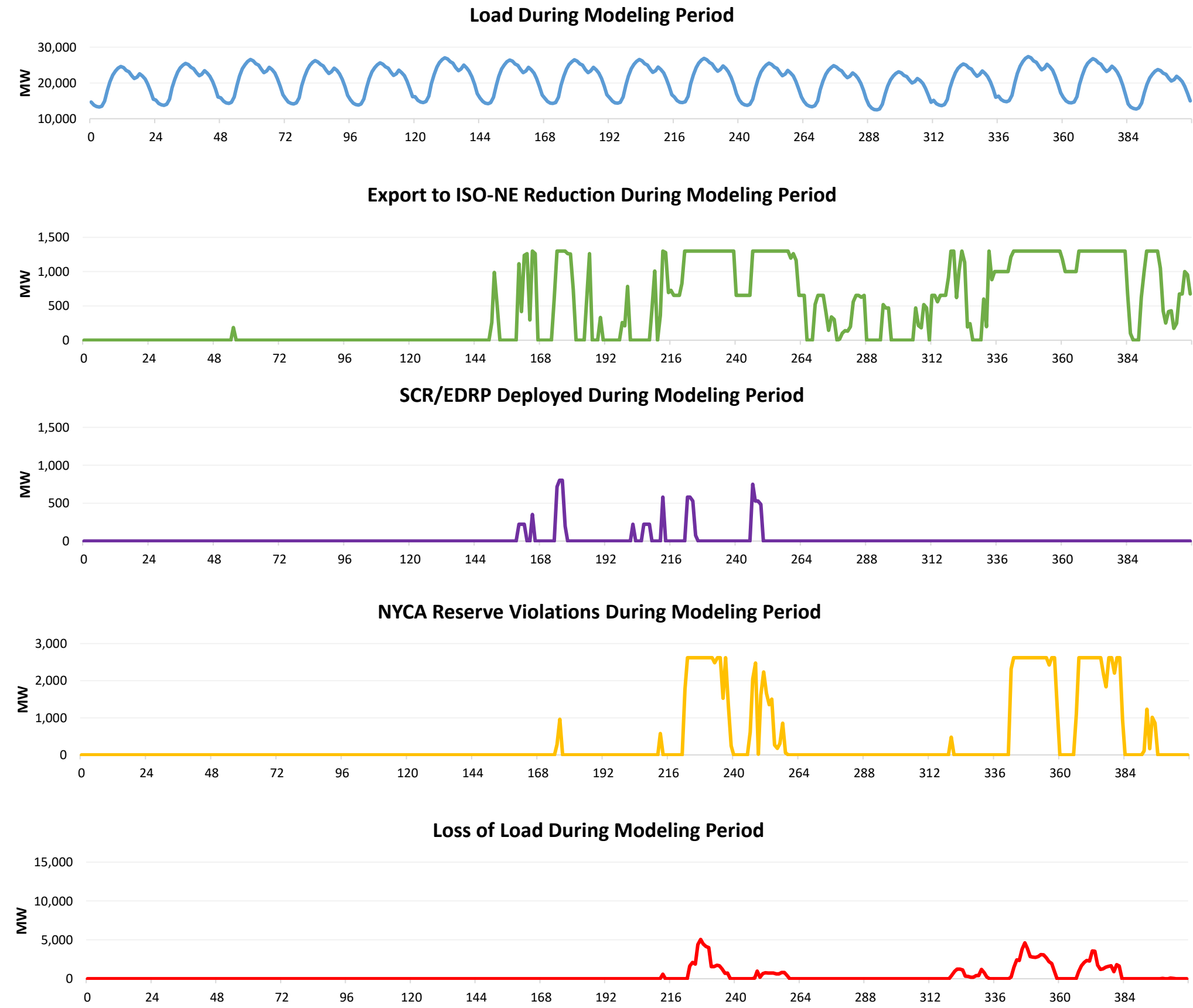


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 6 No Barge Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 196     |
| Total MWh         | 183,953 |
| Avg. MW           | 450.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 22    |
| Total MWh      | 9,060 |
| Avg. MW        | 22.2  |

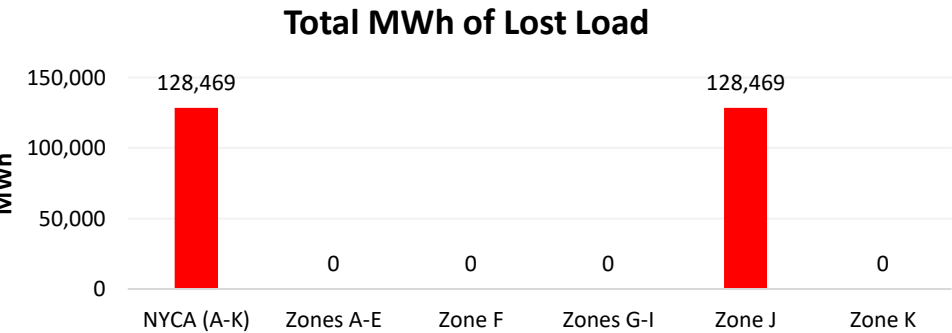
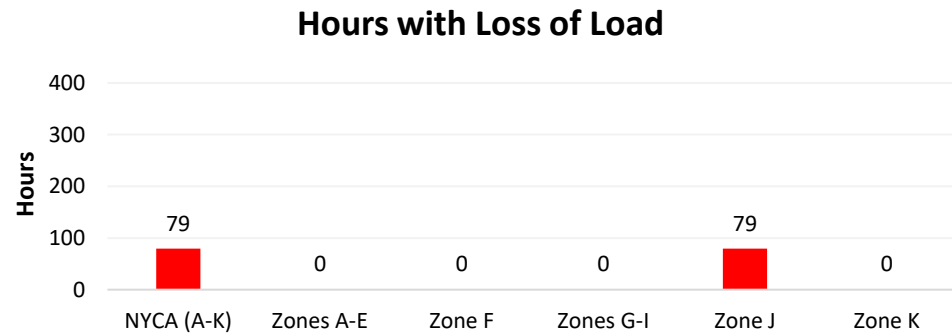
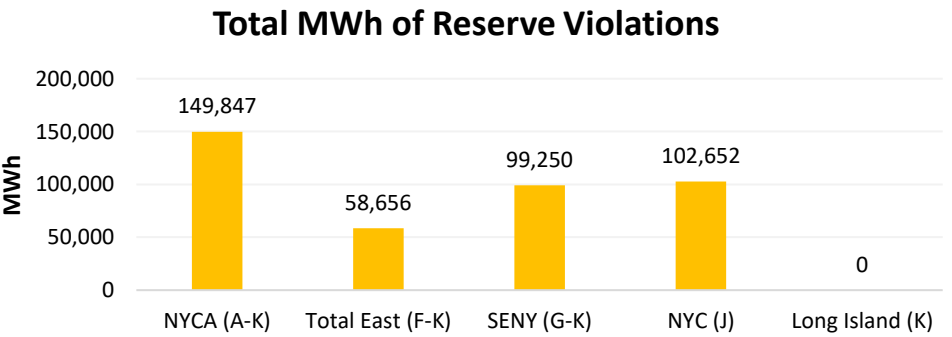
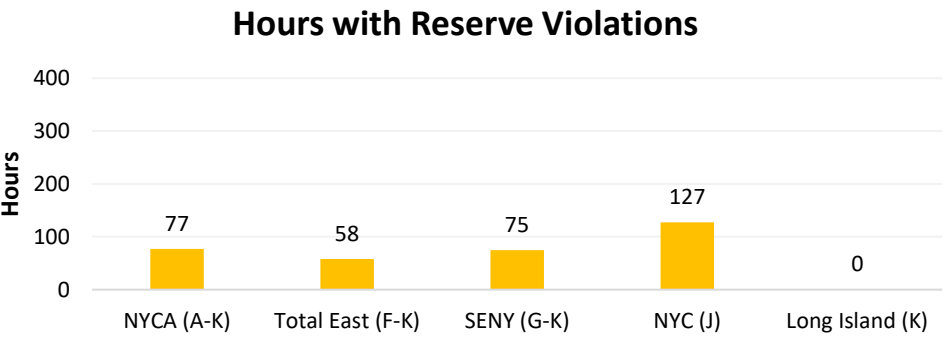
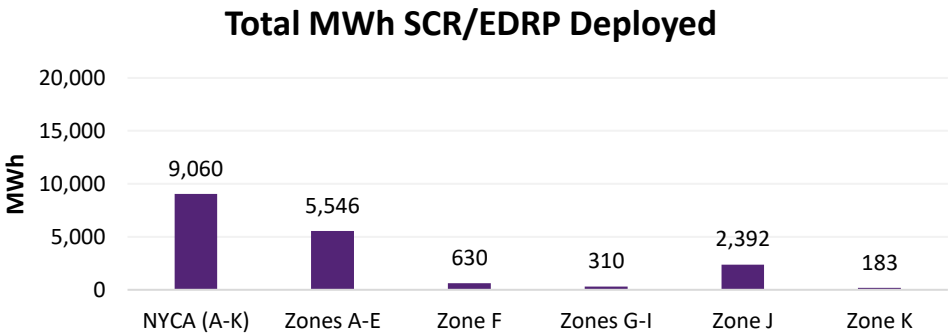
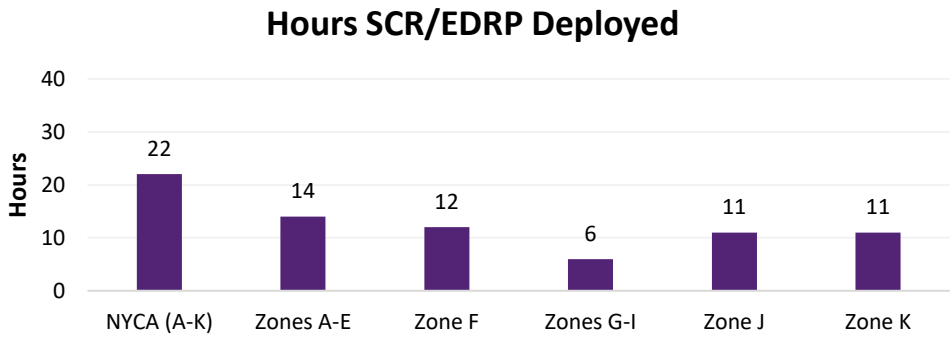
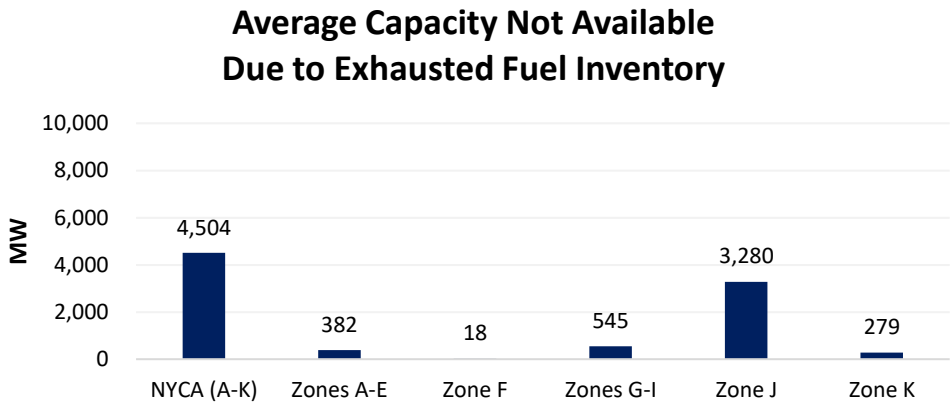
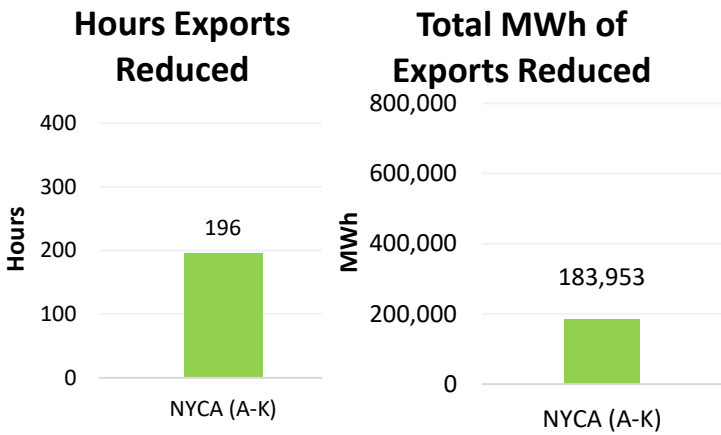
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 77      |
| Total MWh             | 149,847 |
| Avg. MW               | 367.3   |
| First Hour with Viol. | 160     |

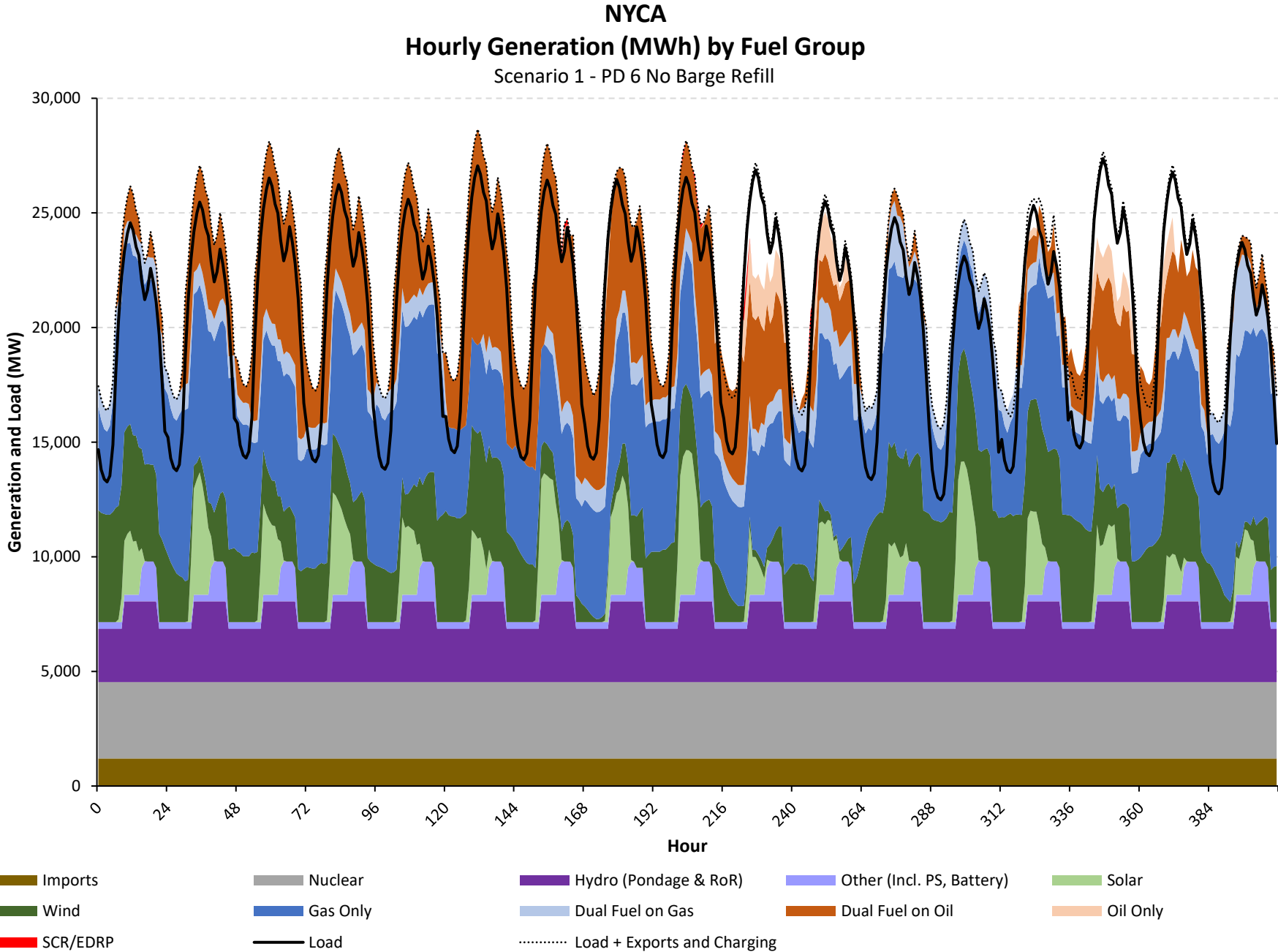
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 79      |
| Total MWh              | 128,469 |
| Avg. MW                | 314.9   |
| First Hour with Losses | 213     |

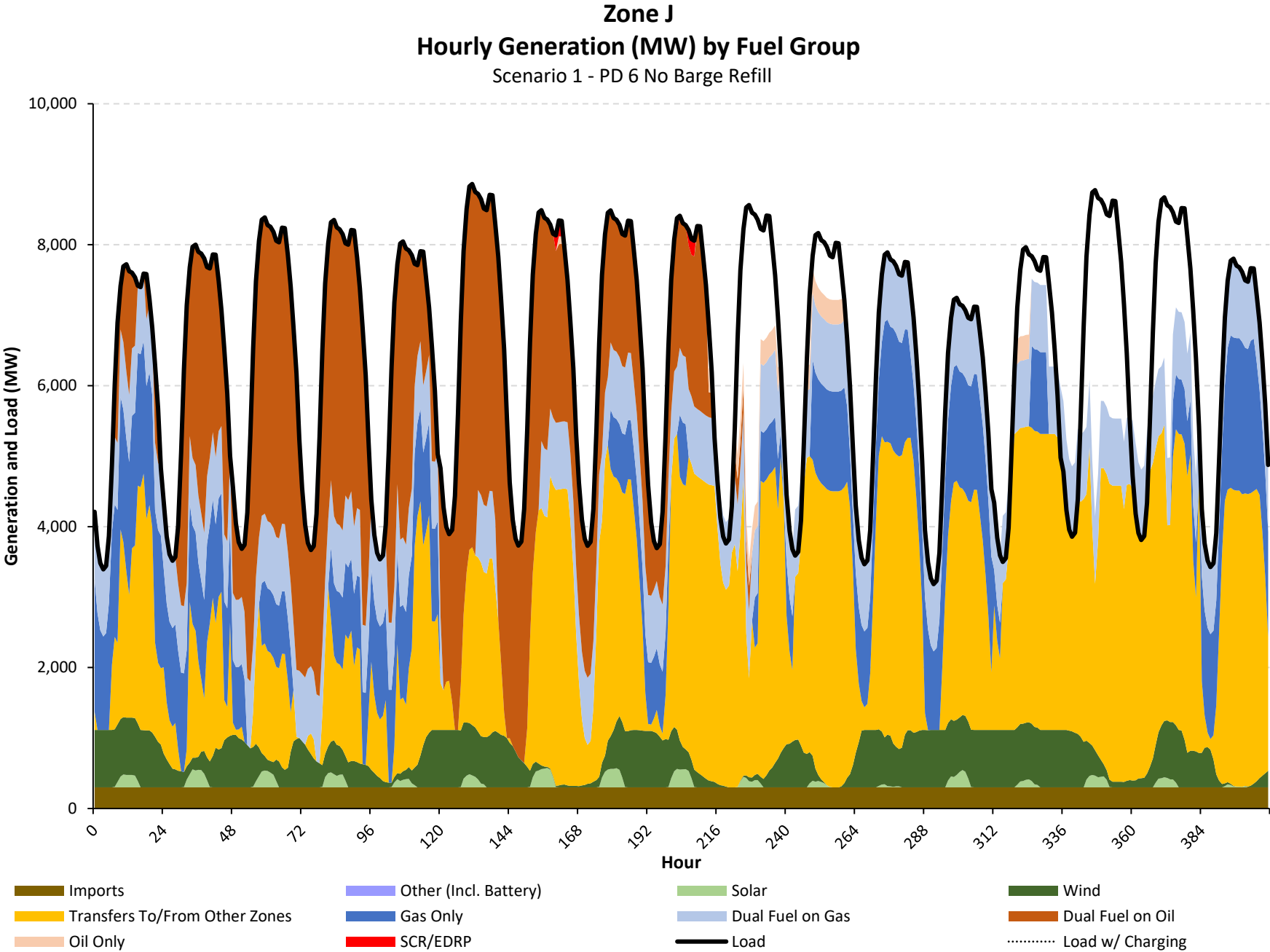
Full Period Results Summary

Case Name: Scenario 1 - PD 6 No Barge Refill

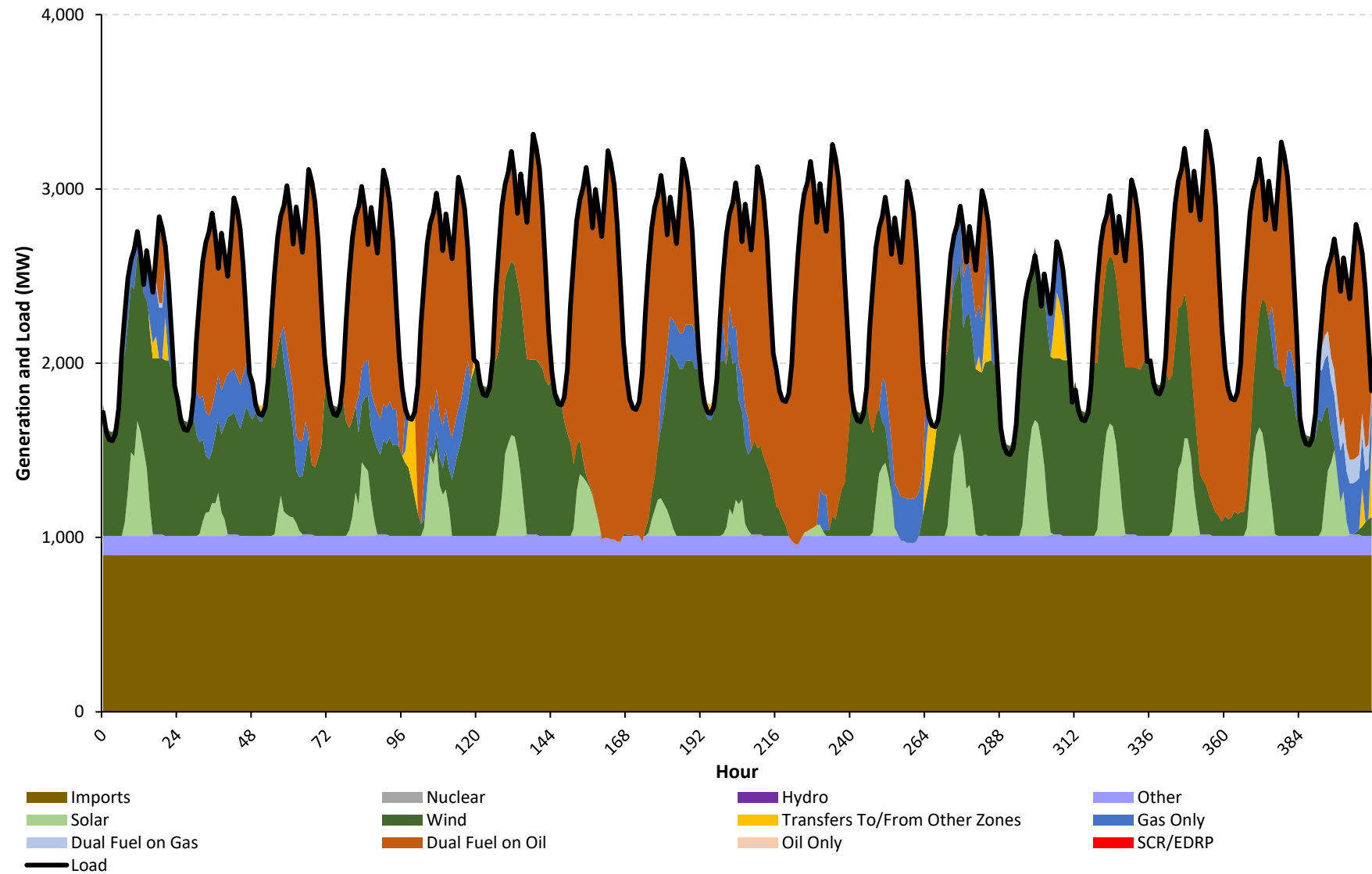
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



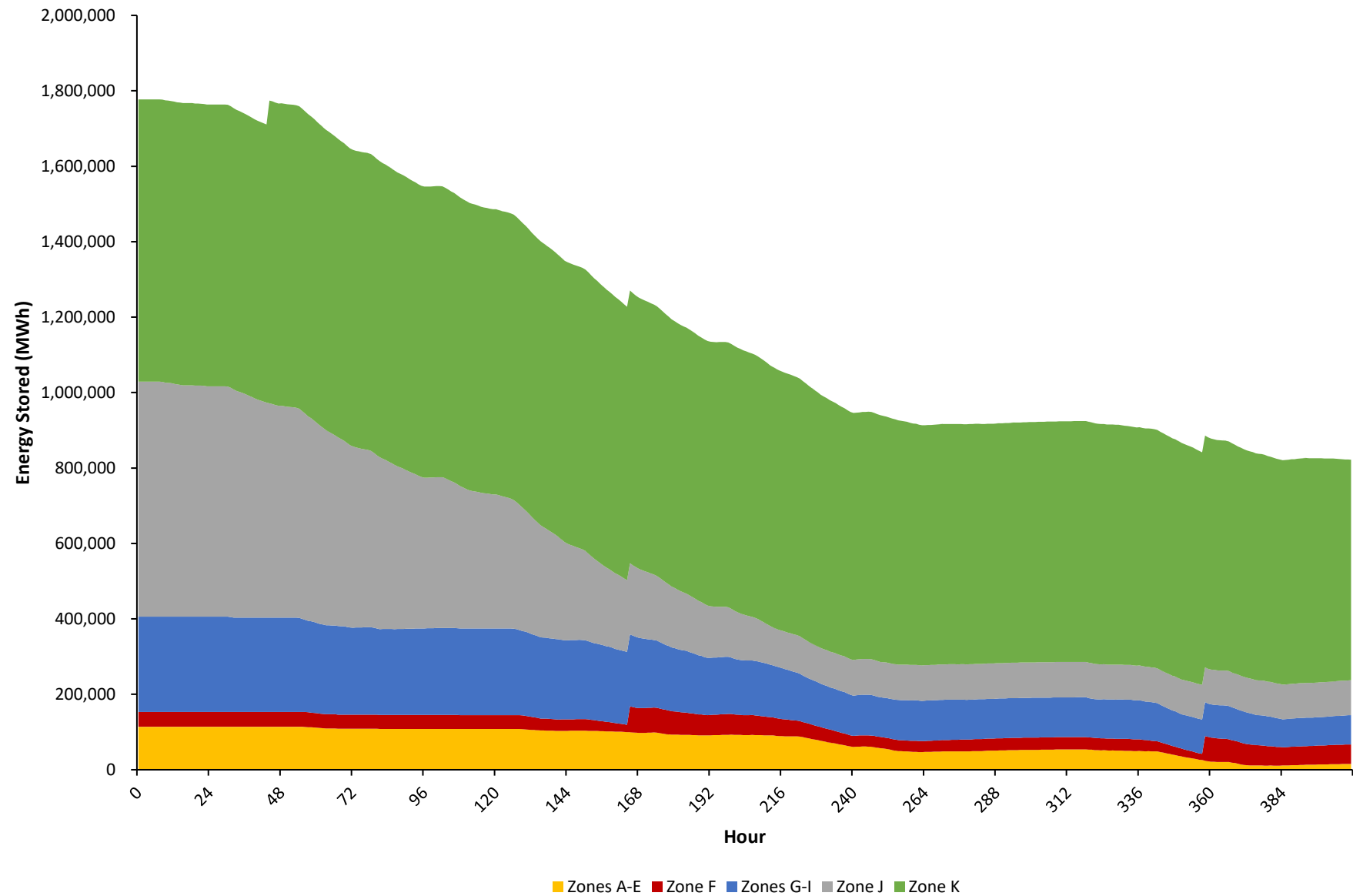


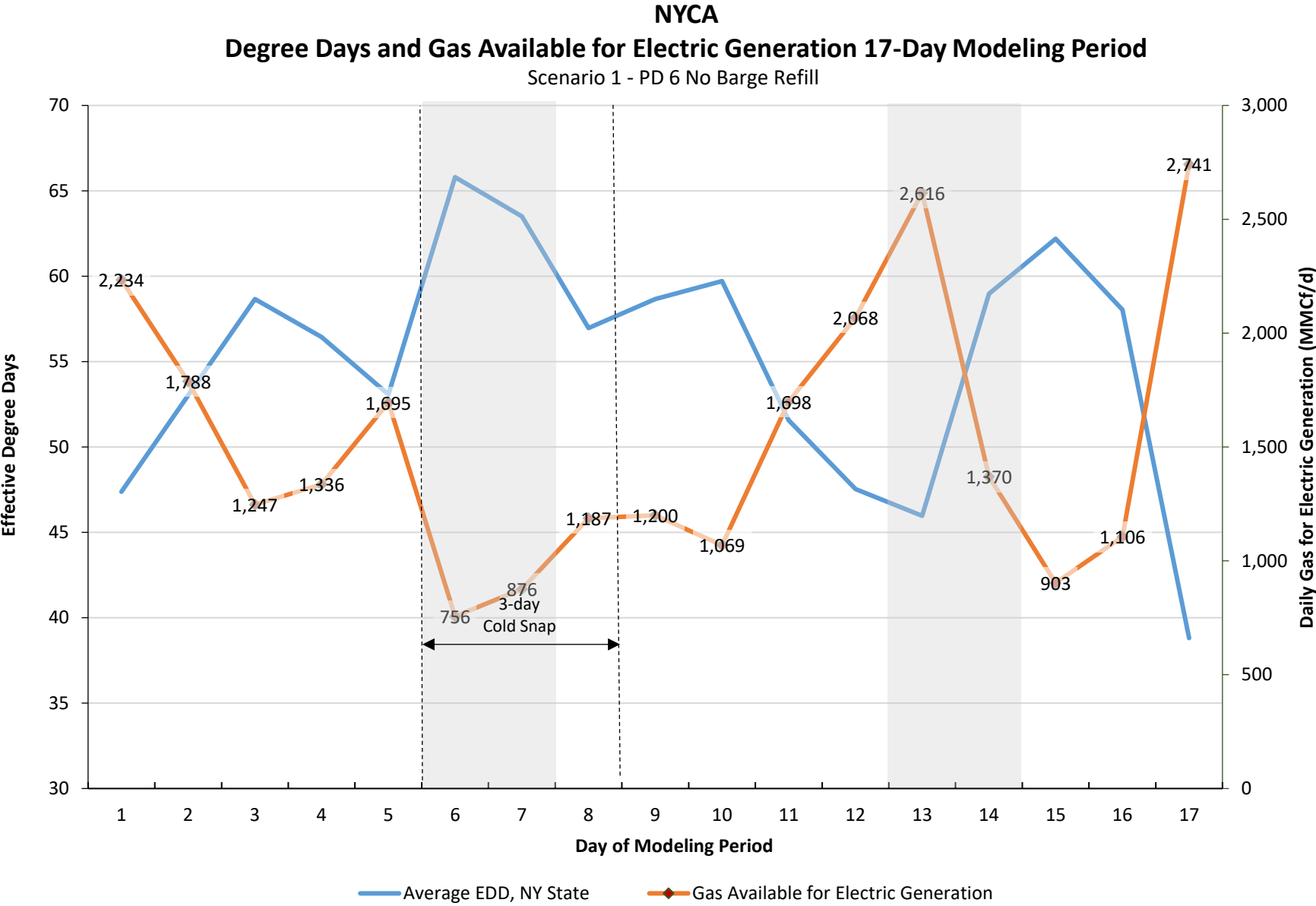


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 6 No Barge Refill



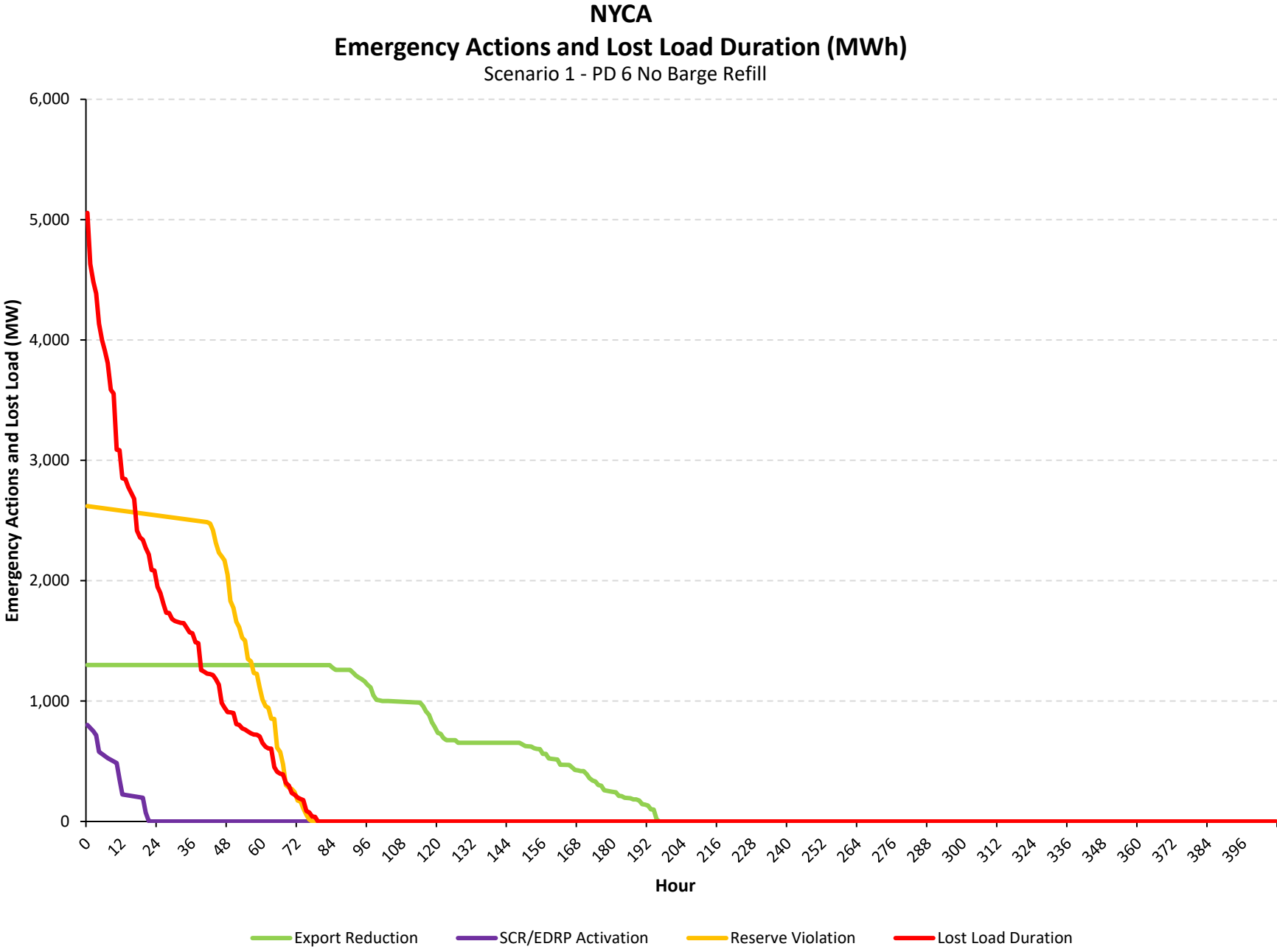
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 1 - PD 6 No Barge Refill

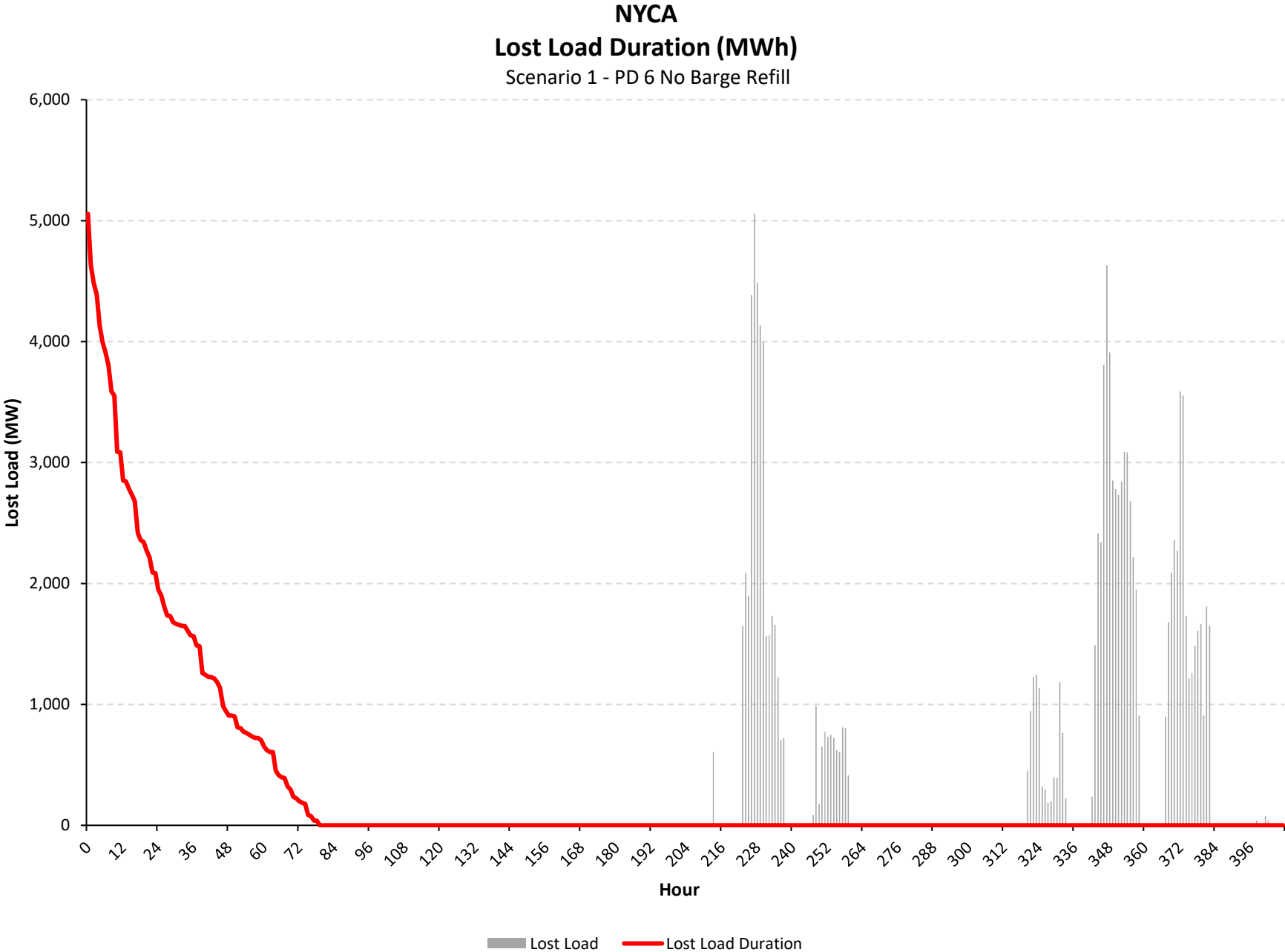




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





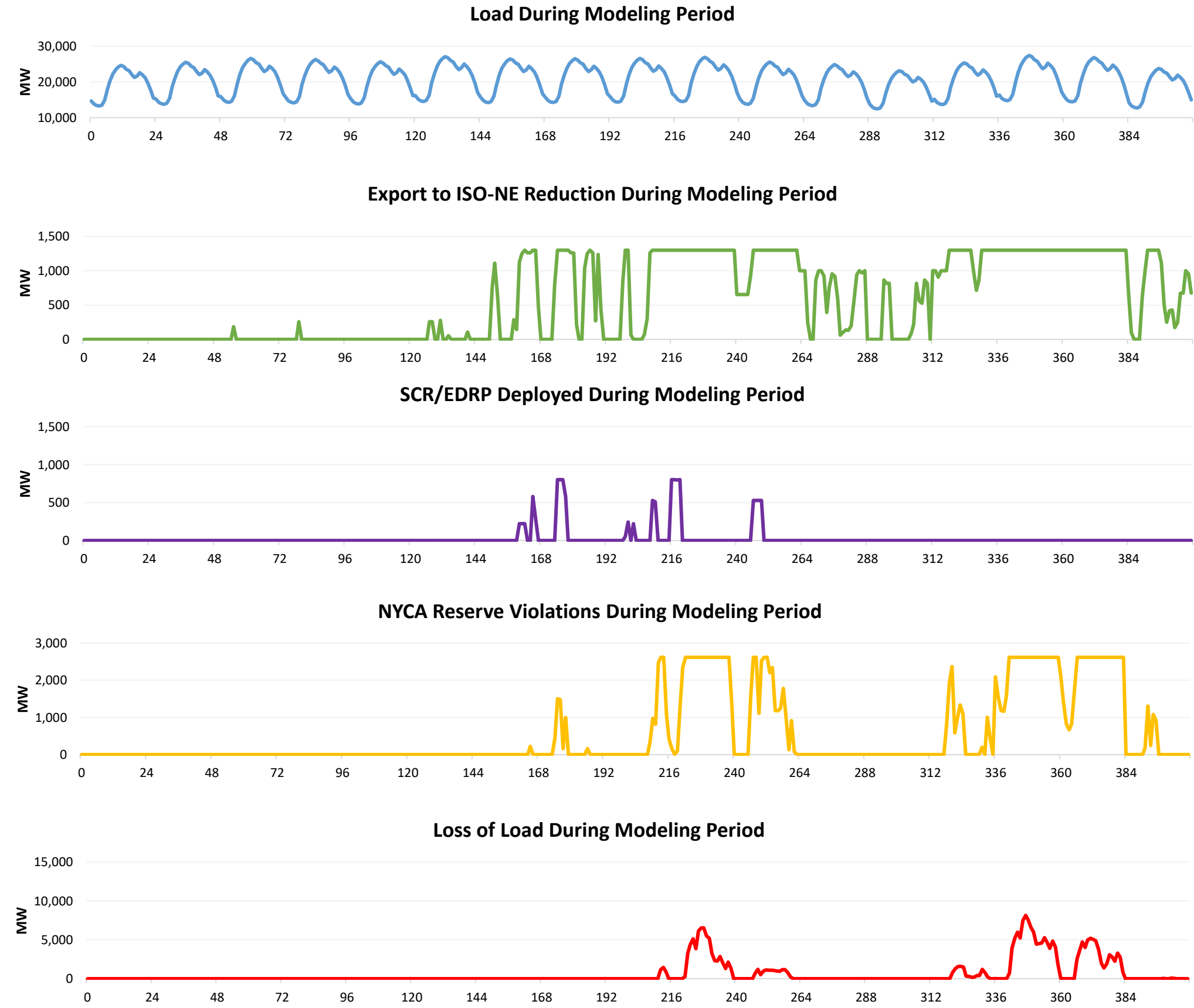


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 7 No Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 223     |
| Total MWh         | 230,681 |
| Avg. MW           | 565.4   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 22     |
| Total MWh      | 11,387 |
| Avg. MW        | 27.9   |

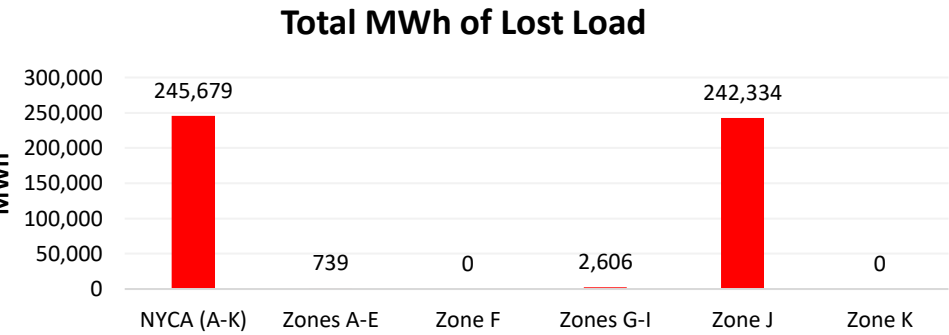
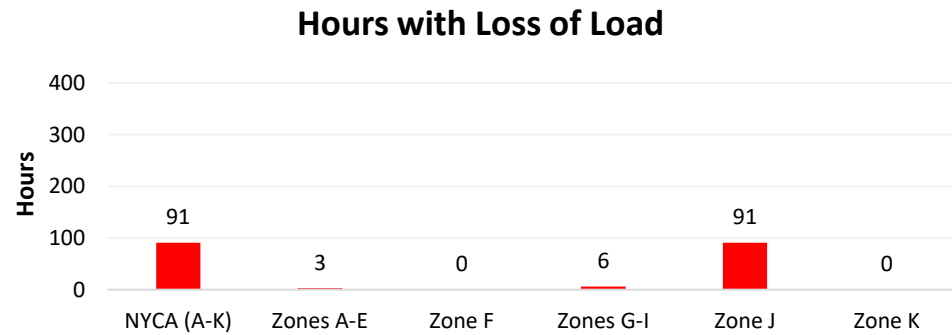
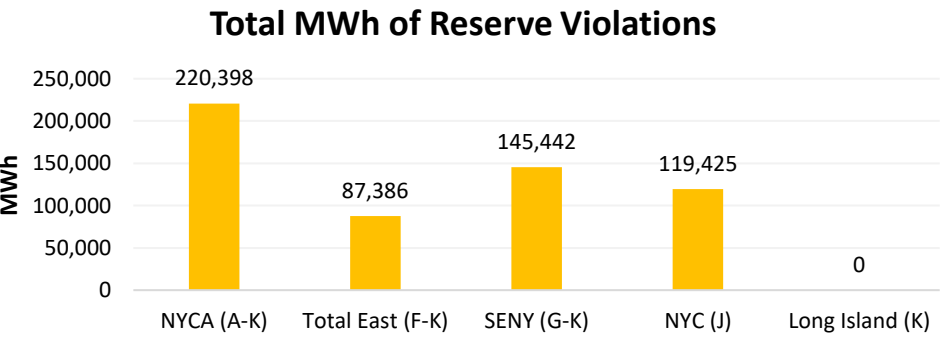
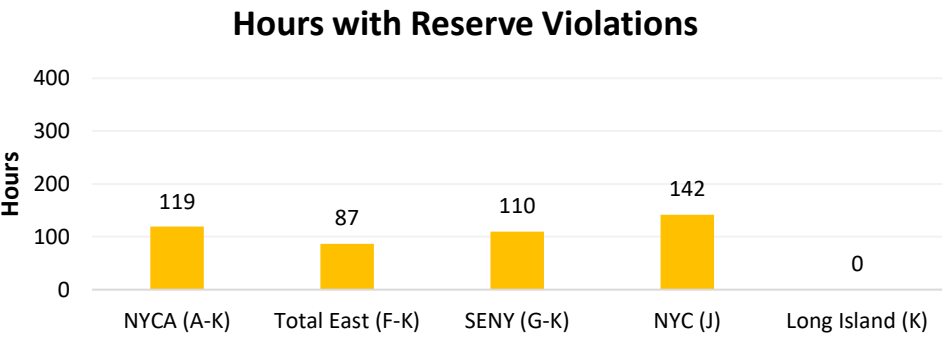
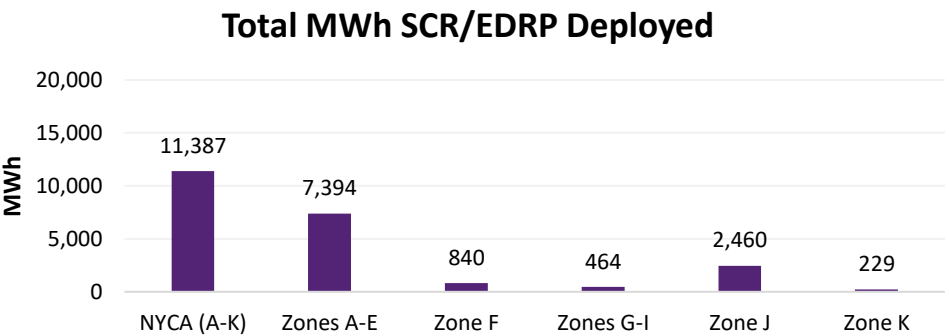
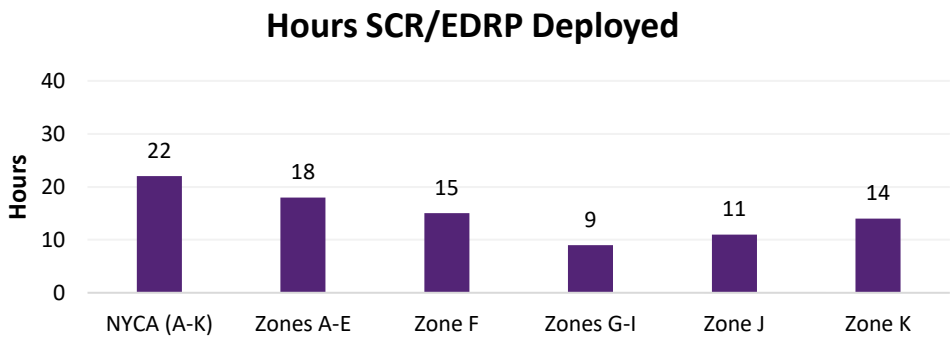
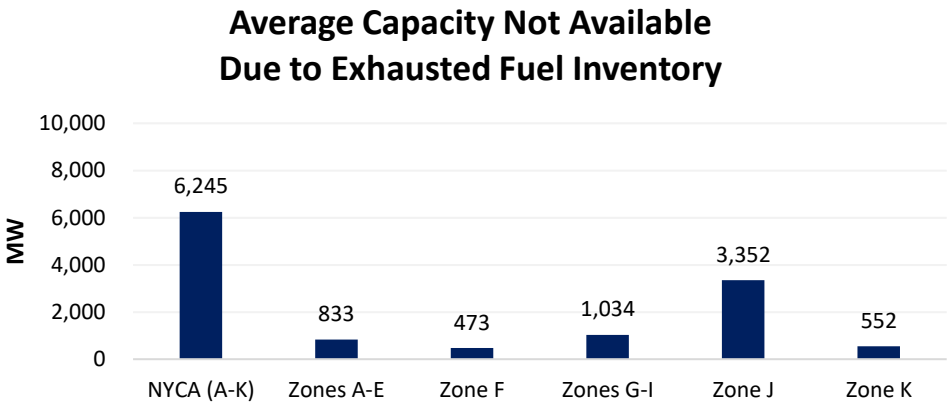
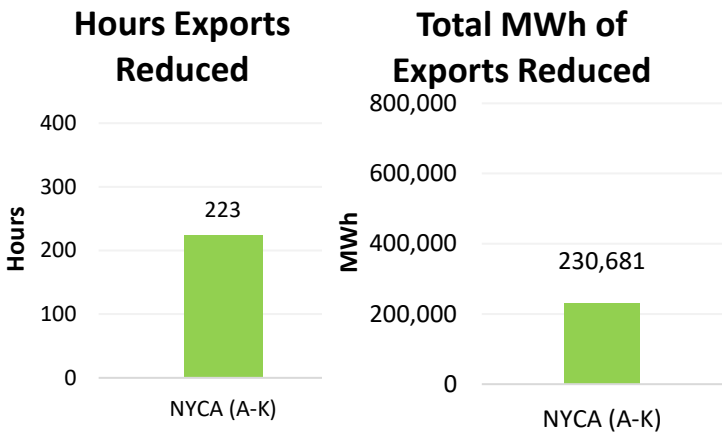
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 119     |
| Total MWh             | 220,398 |
| Avg. MW               | 540.2   |
| First Hour with Viol. | 160     |

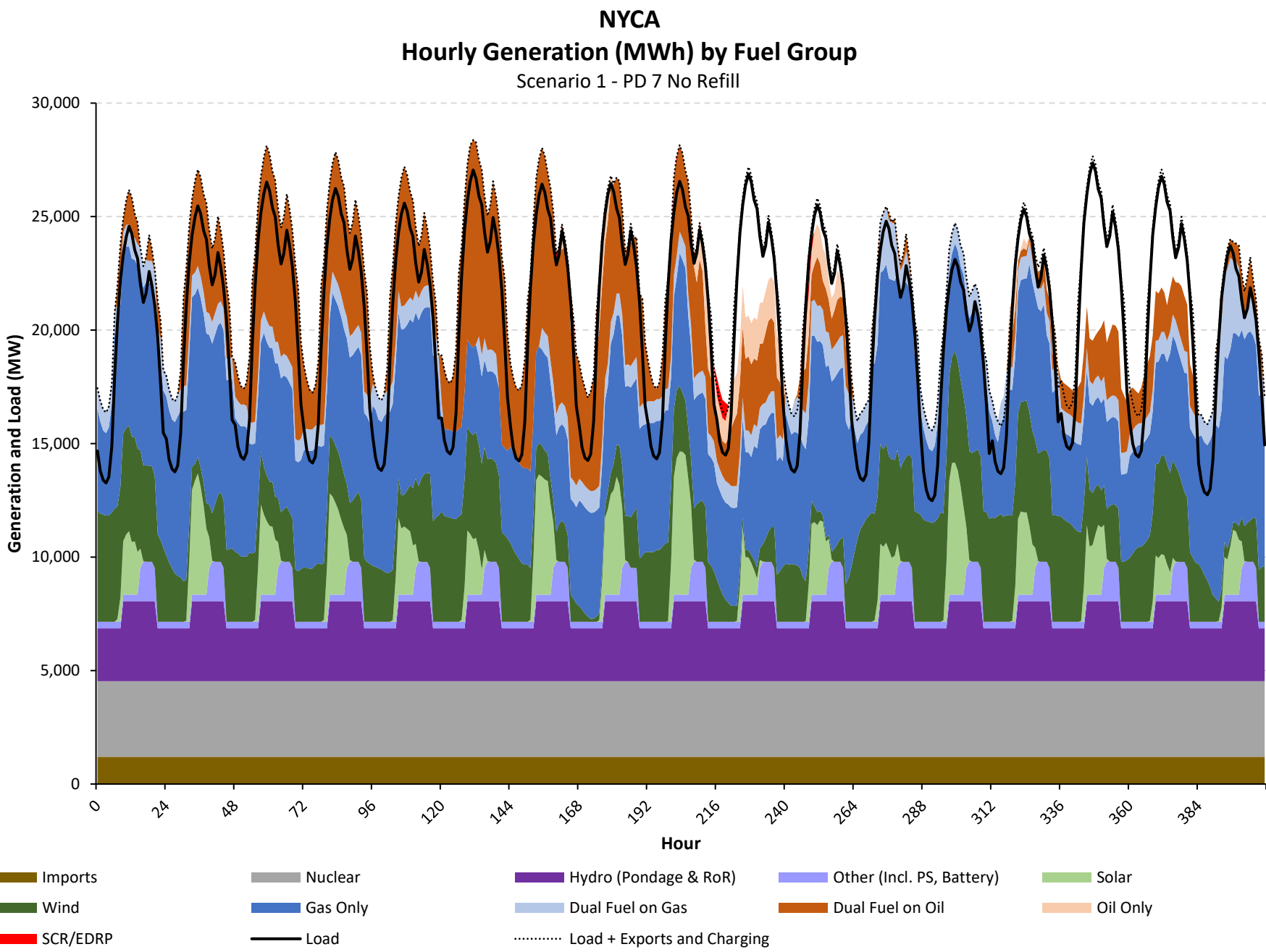
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 91      |
| Total MWh              | 245,679 |
| Avg. MW                | 602.2   |
| First Hour with Losses | 212     |

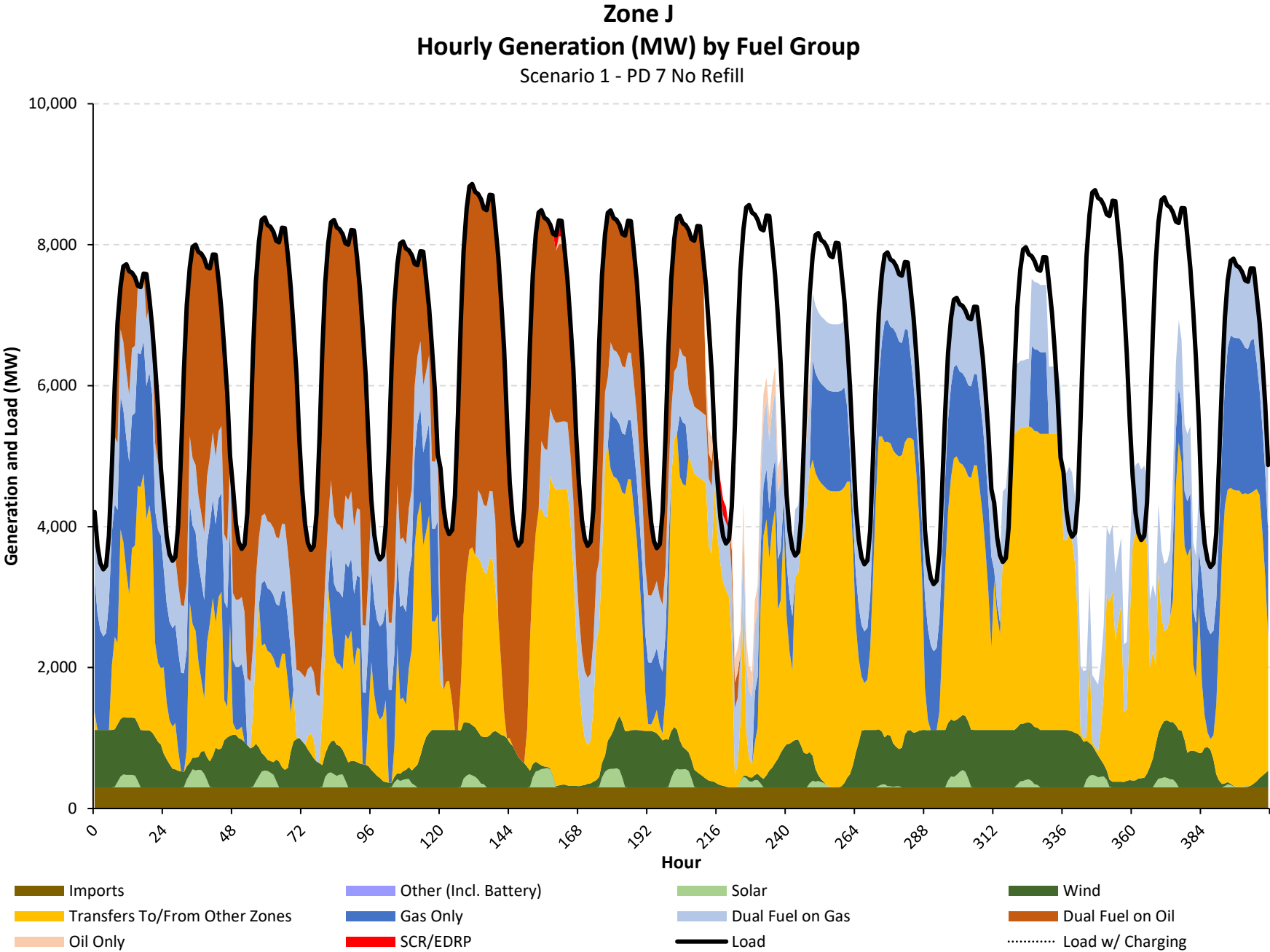
Full Period Results Summary

Case Name: Scenario 1 - PD 7 No Refill

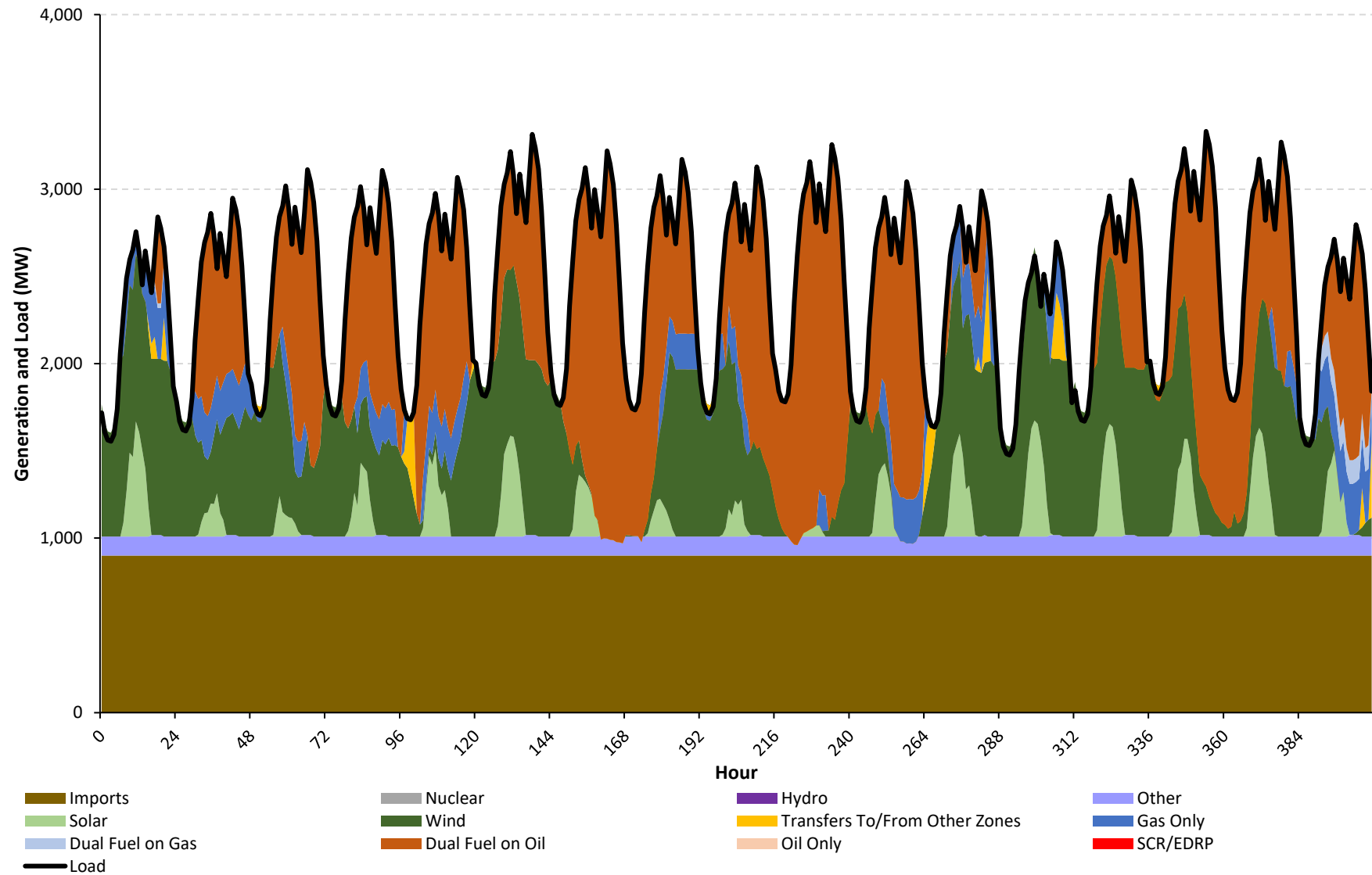
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |





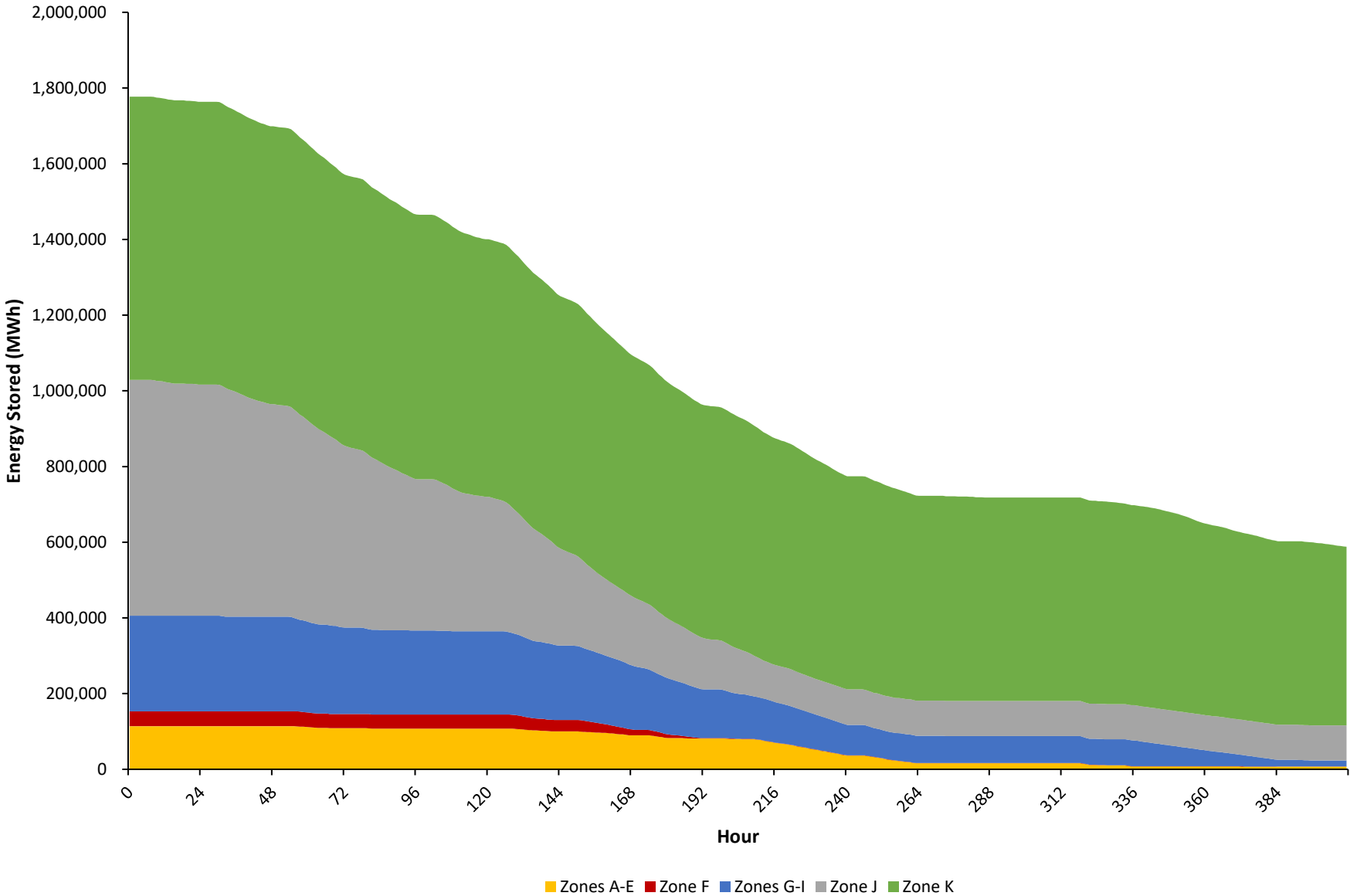


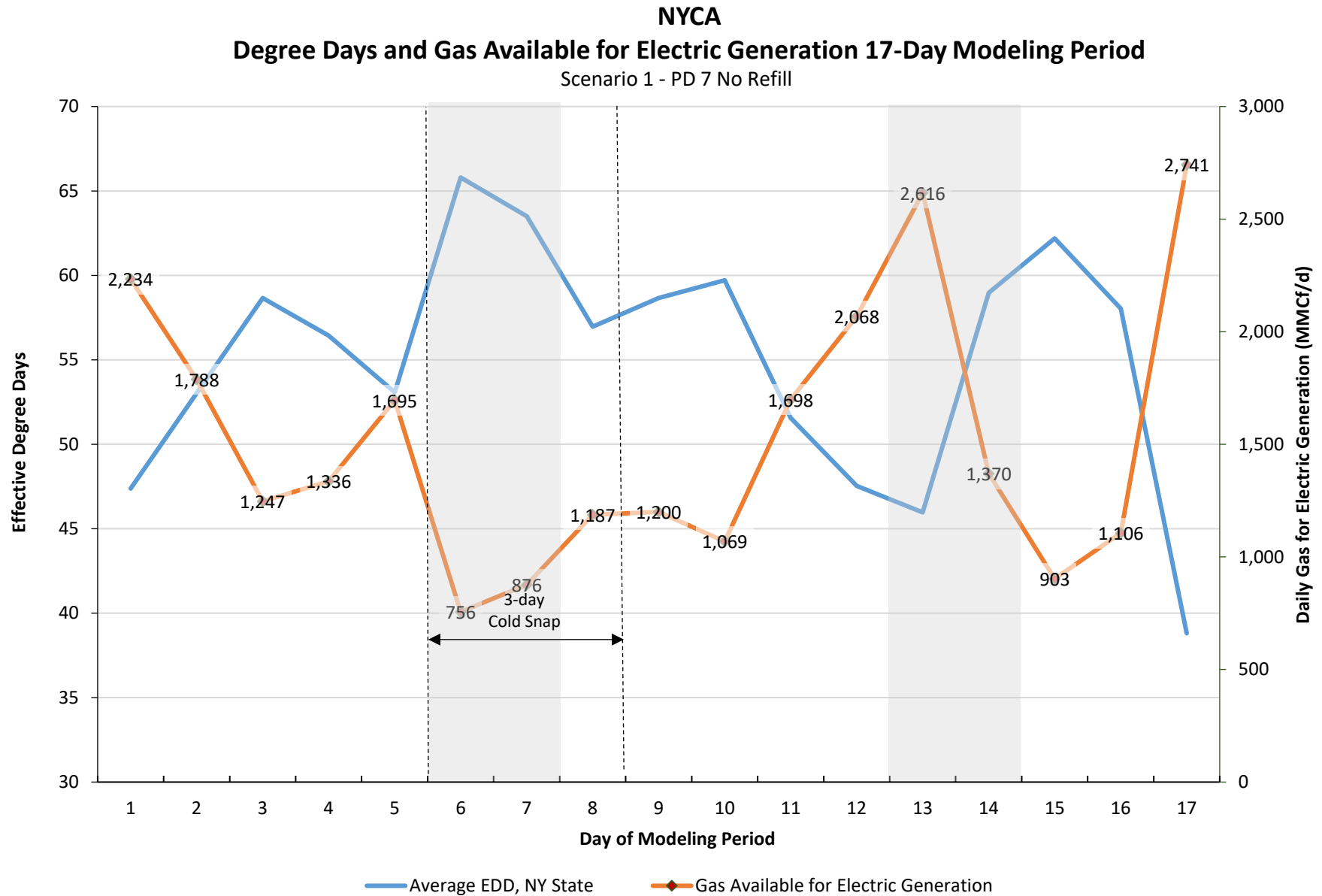
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 7 No Refill





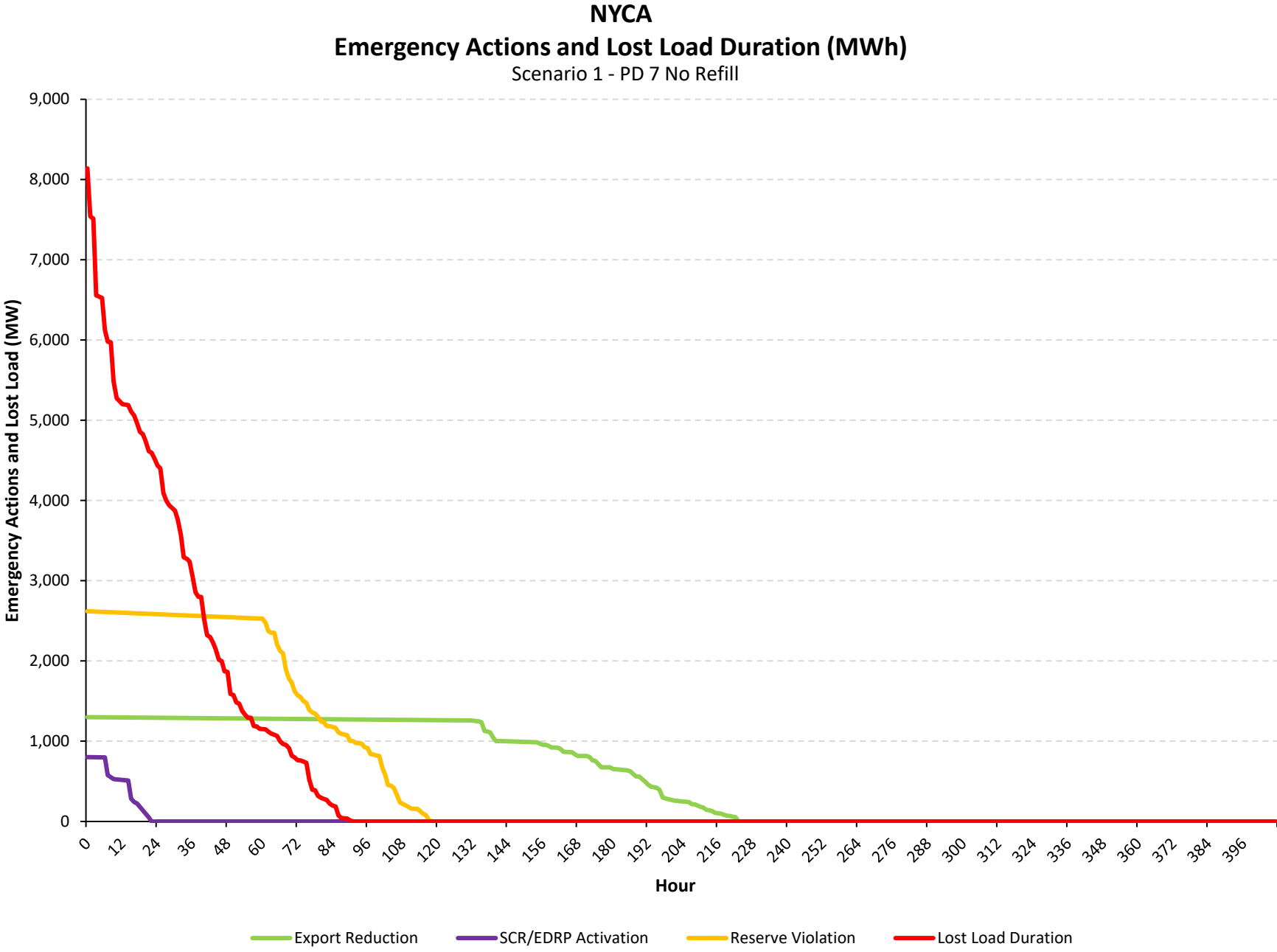
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 1 - PD 7 No Refill

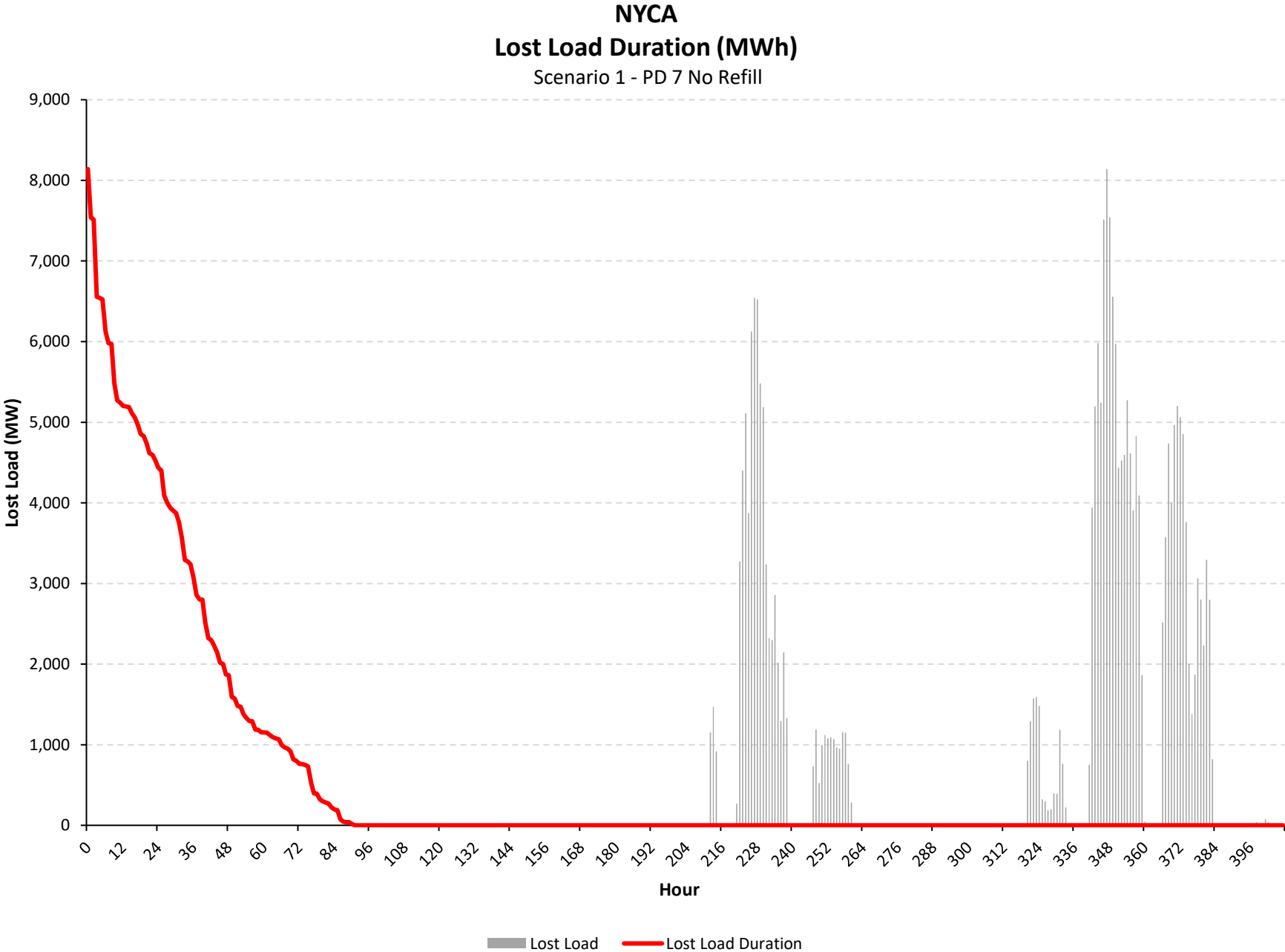




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



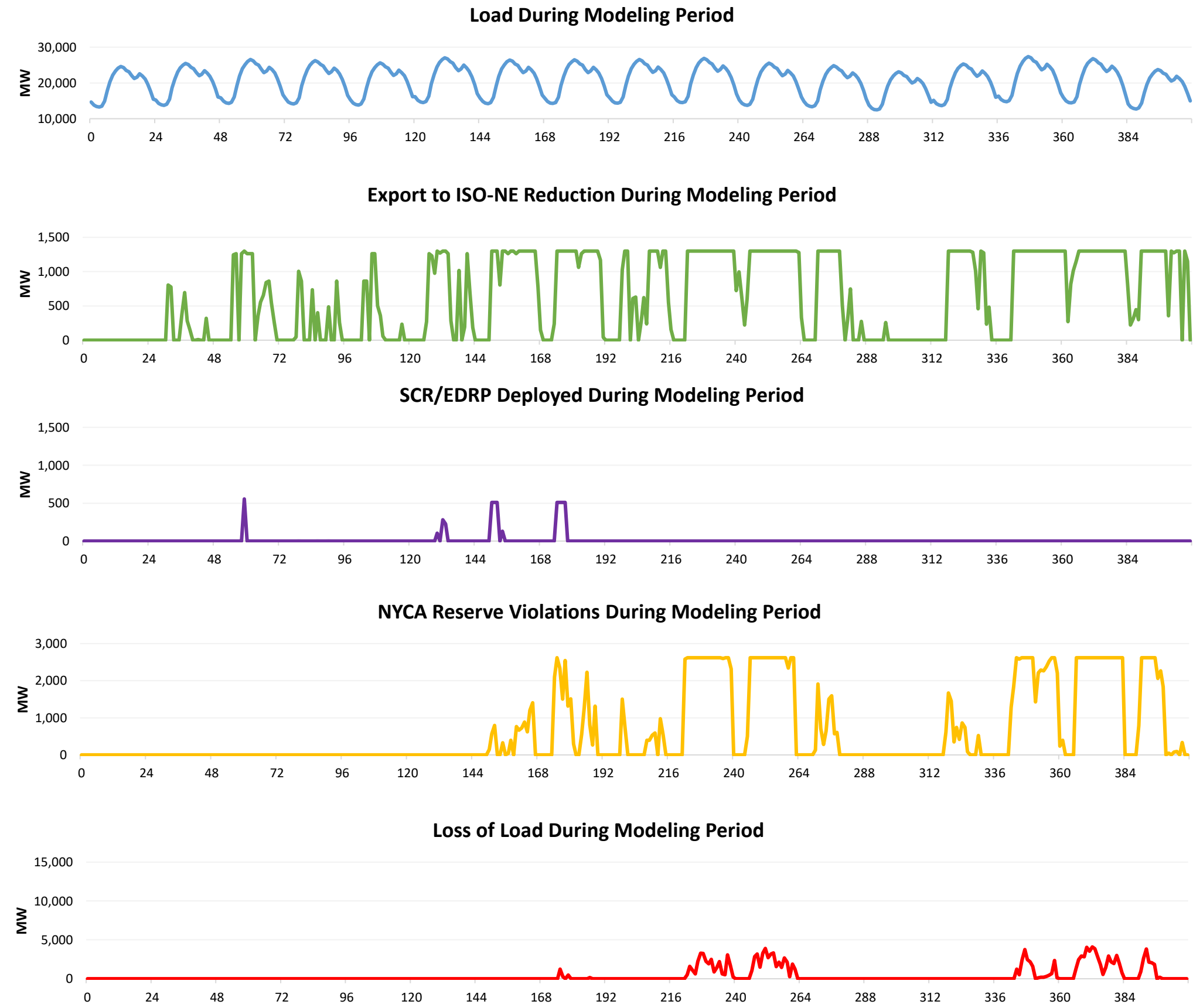


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 246     |
| Total MWh         | 259,009 |
| Avg. MW           | 634.8   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 4,867 |
| Avg. MW        | 11.9  |

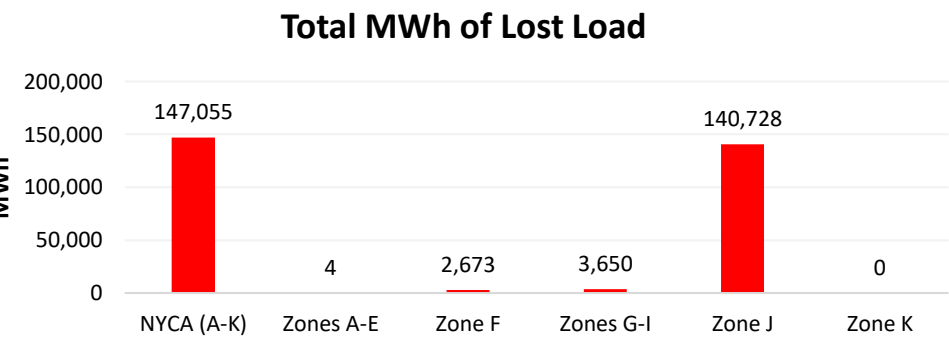
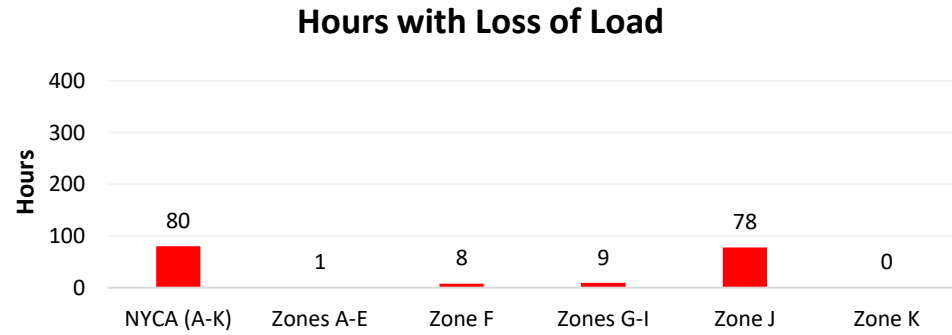
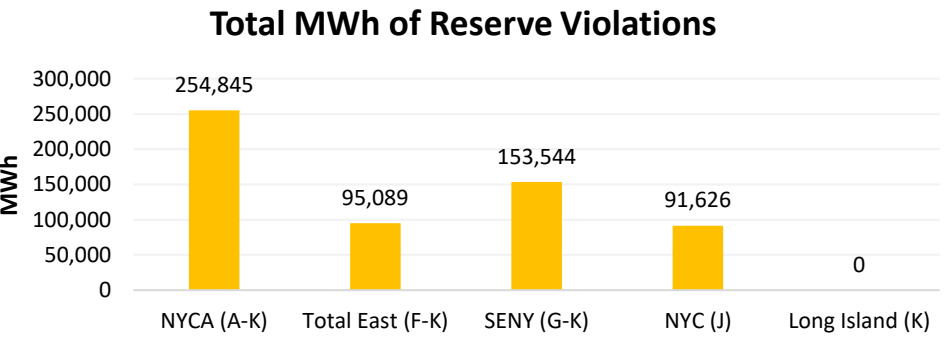
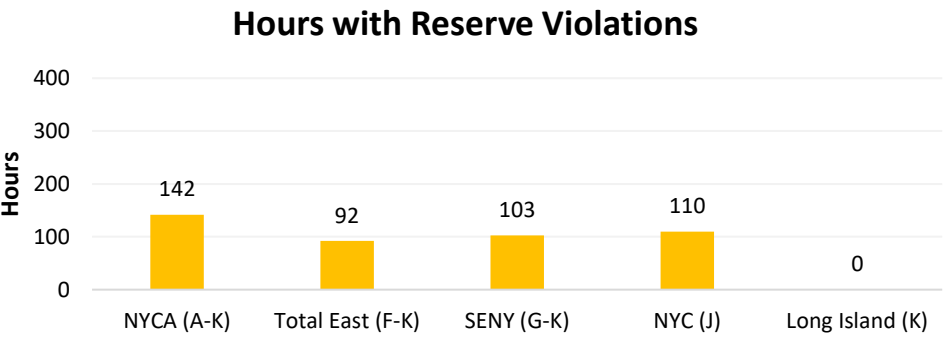
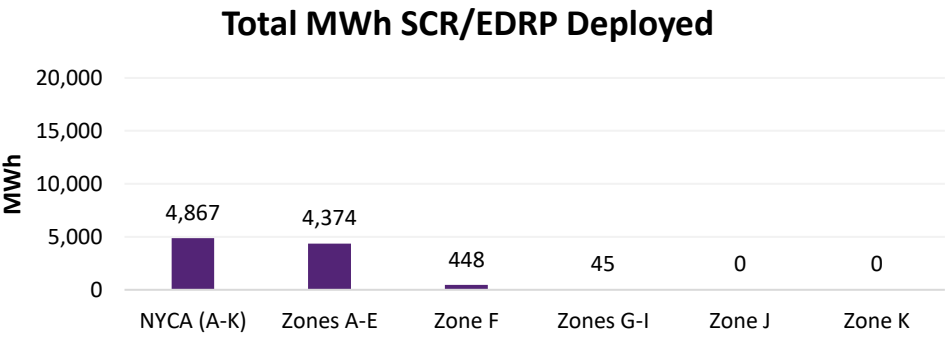
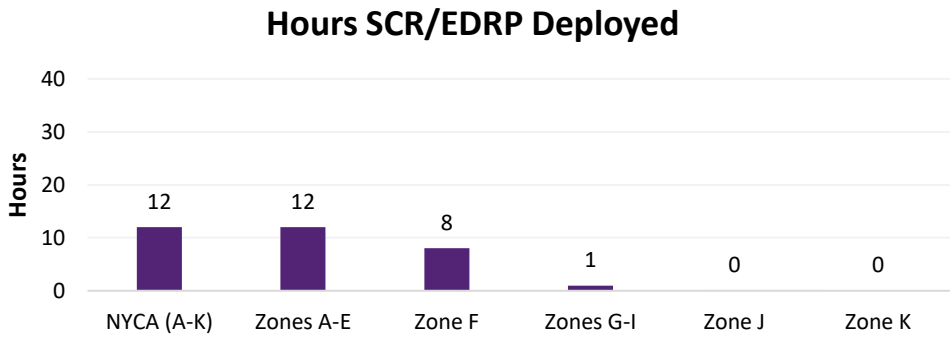
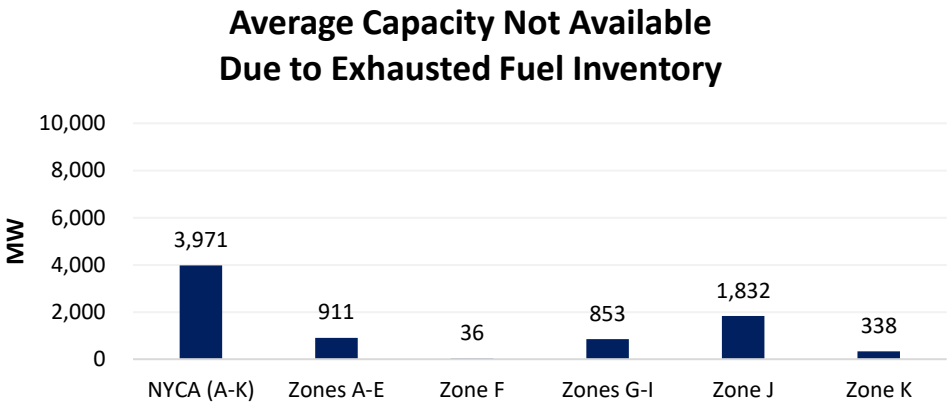
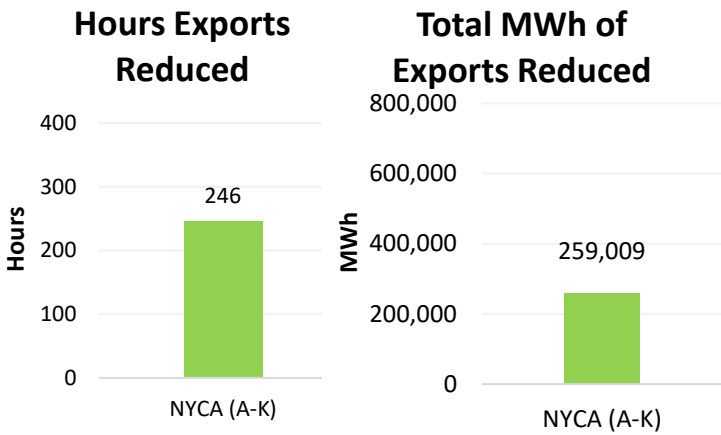
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 142     |
| Total MWh             | 254,845 |
| Avg. MW               | 624.6   |
| First Hour with Viol. | 150     |

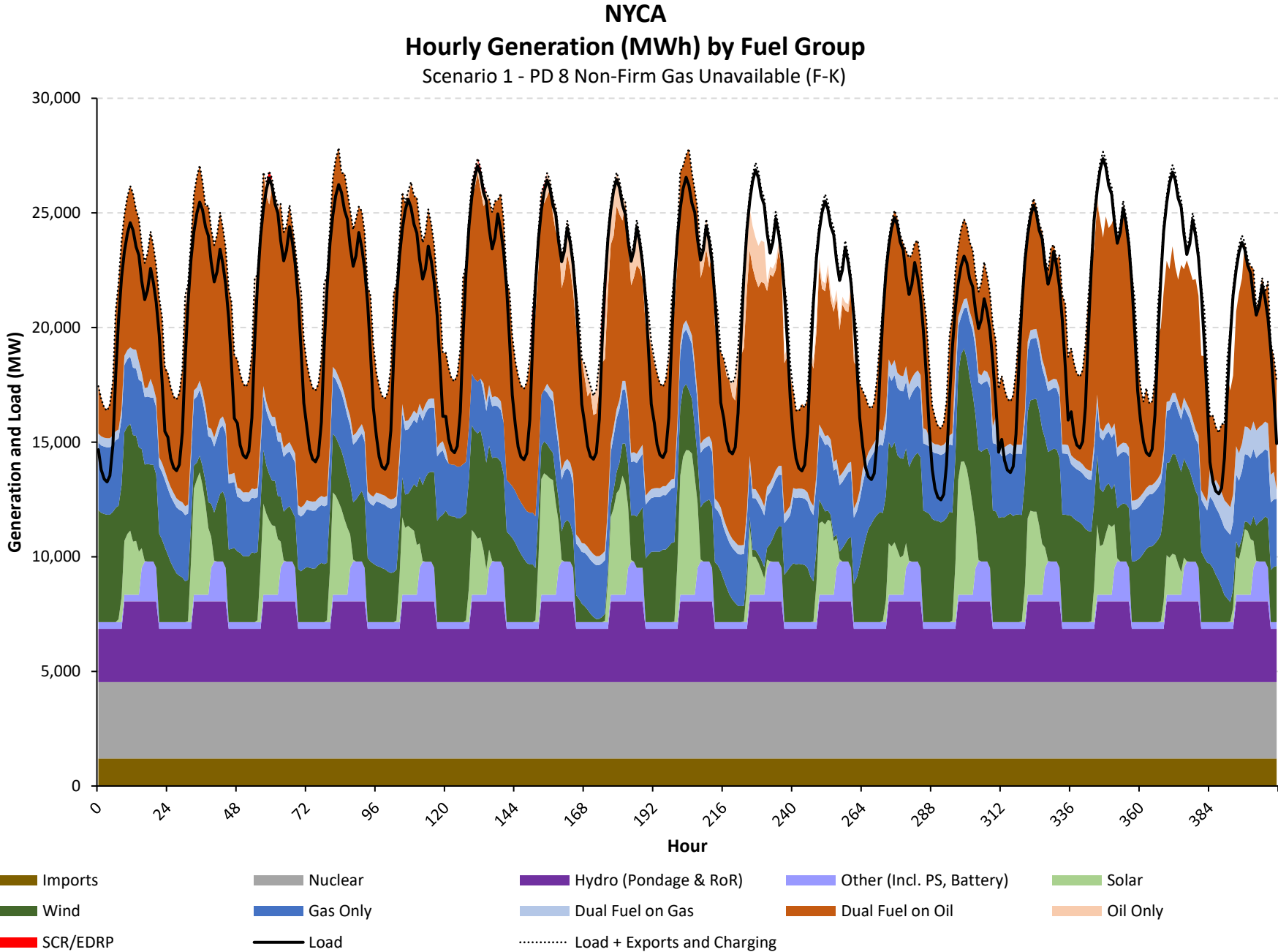
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 80      |
| Total MWh              | 147,055 |
| Avg. MW                | 360.4   |
| First Hour with Losses | 174     |

Full Period Results Summary

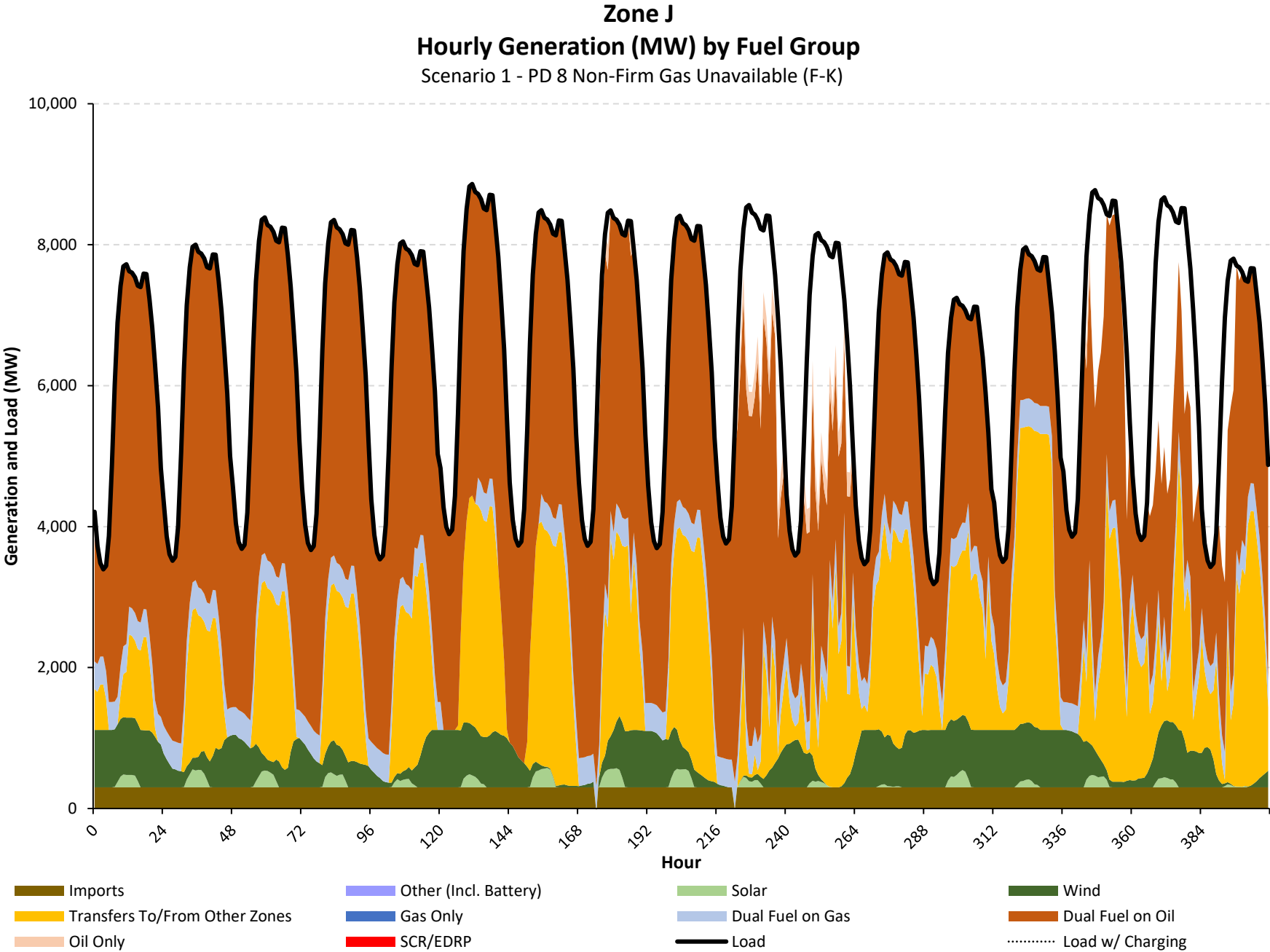
Case Name: Scenario 1 - PD 8 Non-Firm Gas Unavailable (F-K)

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

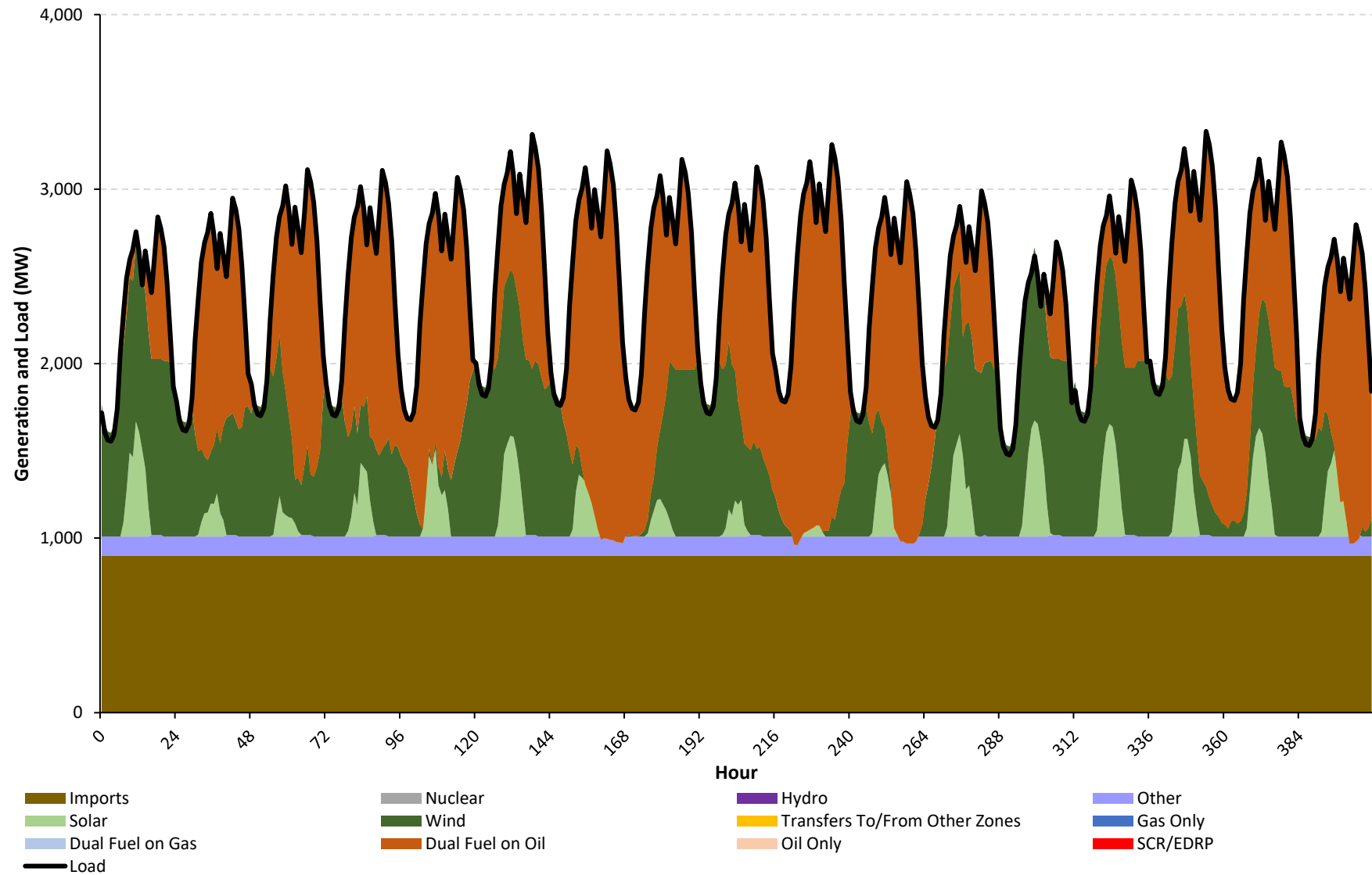


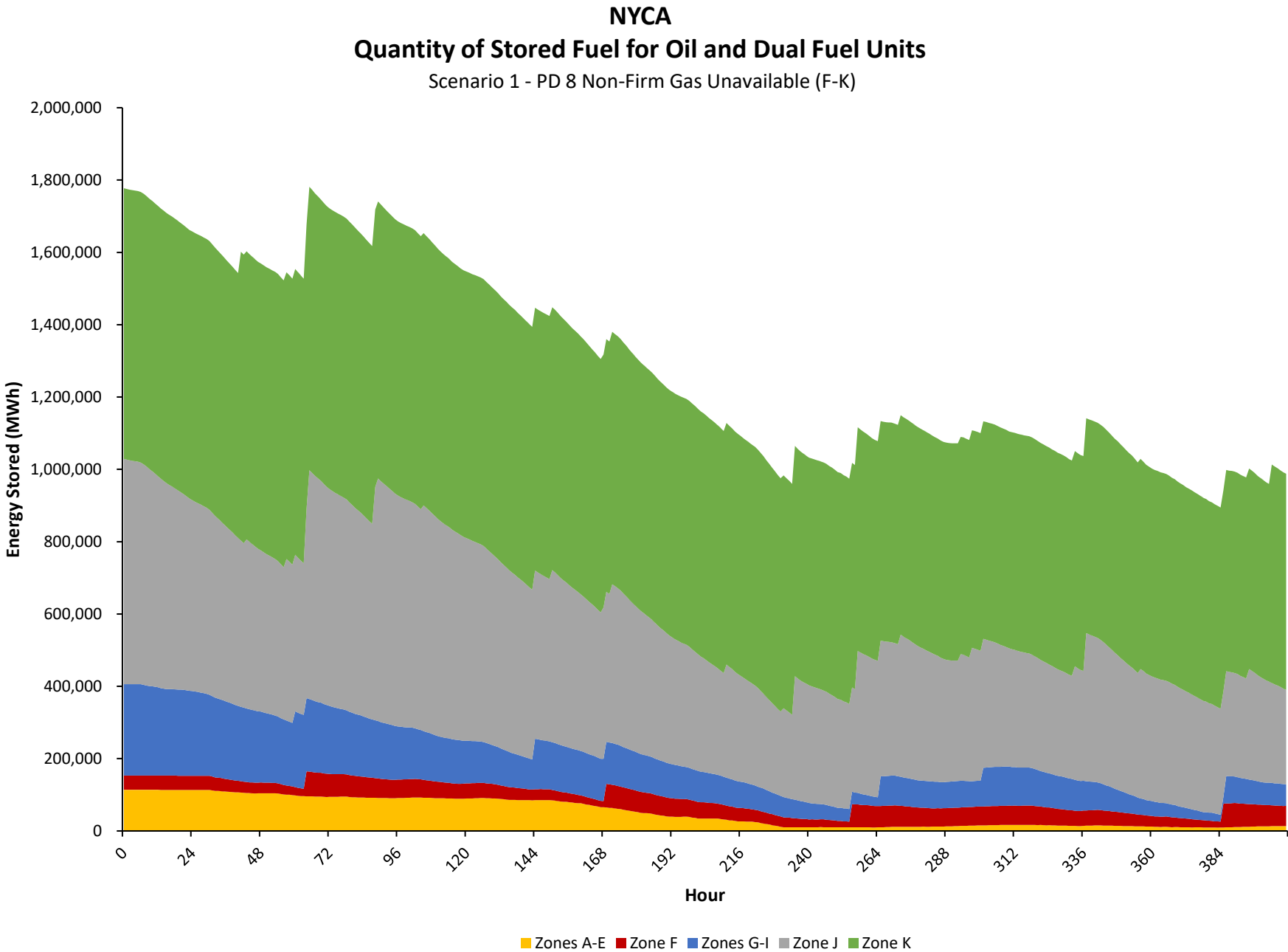


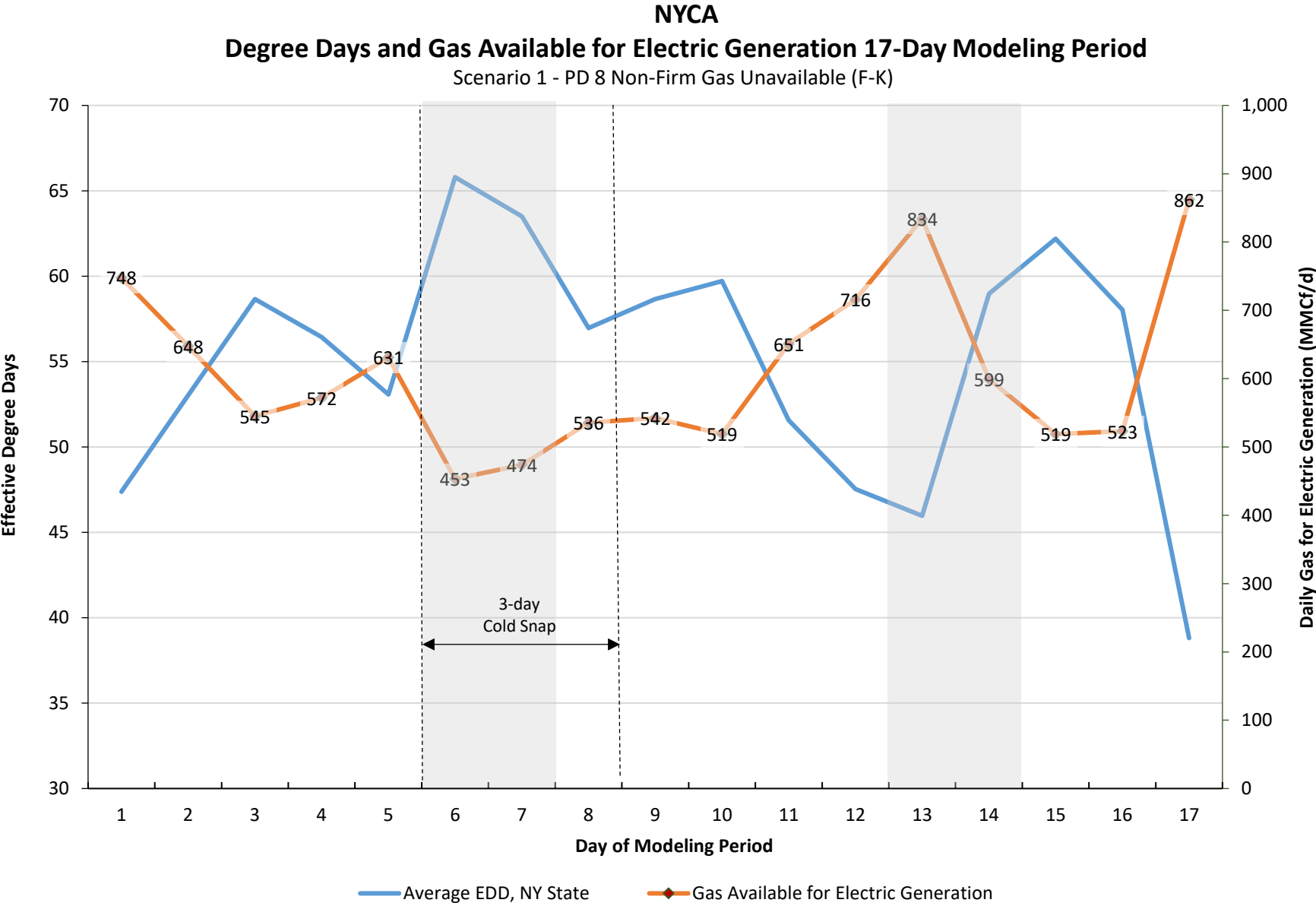




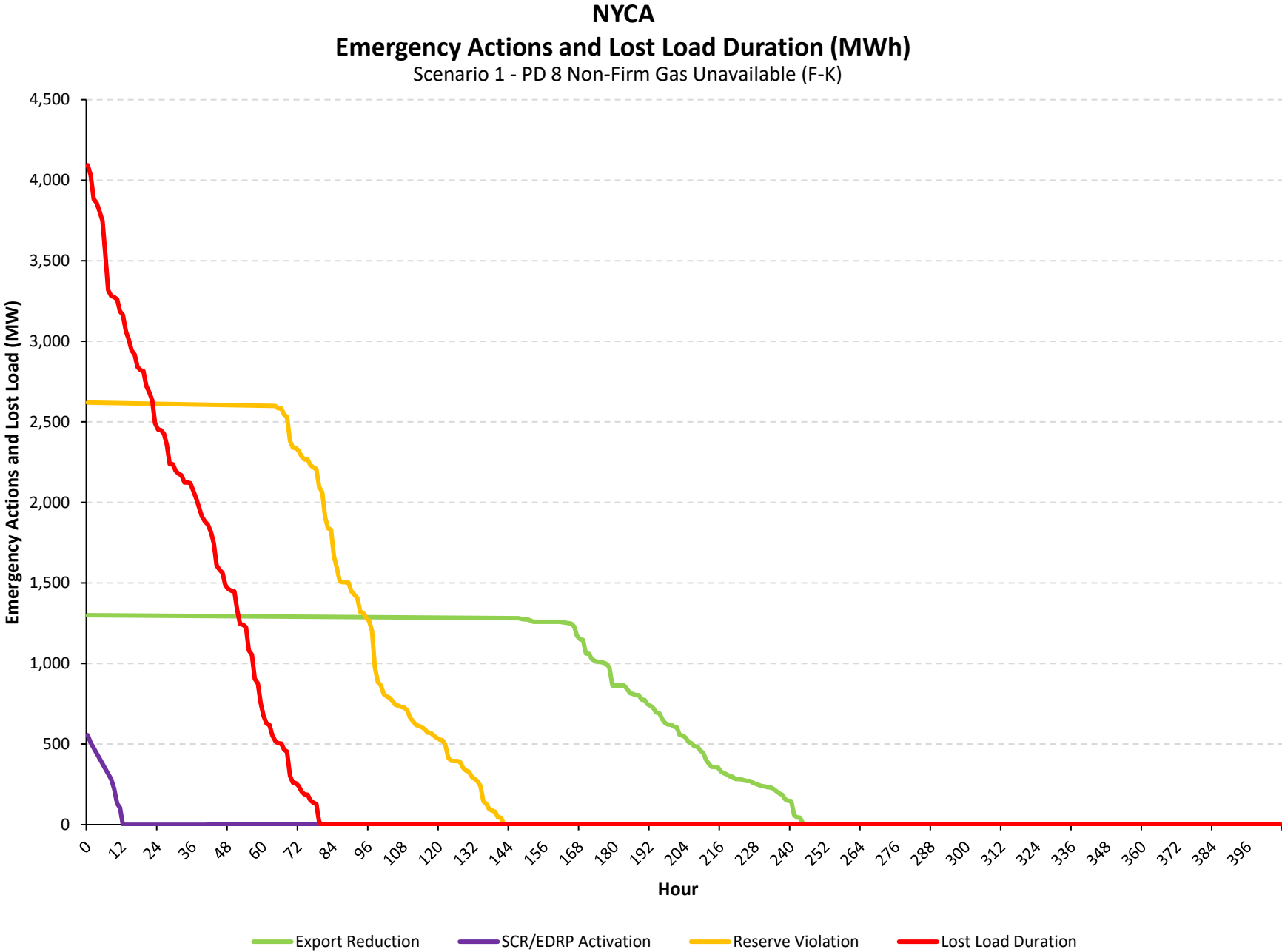
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 8 Non-Firm Gas Unavailable (F-K)

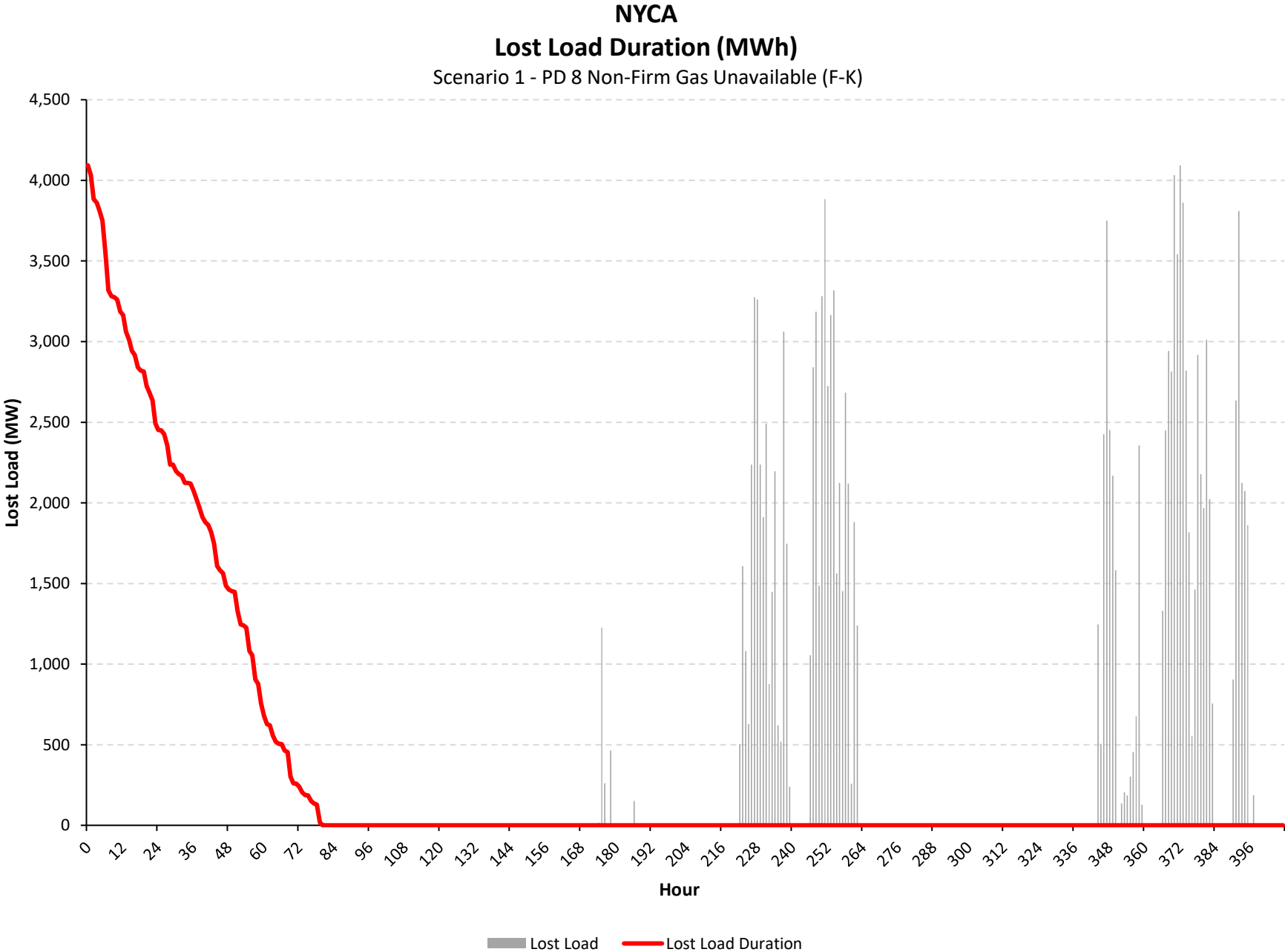






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



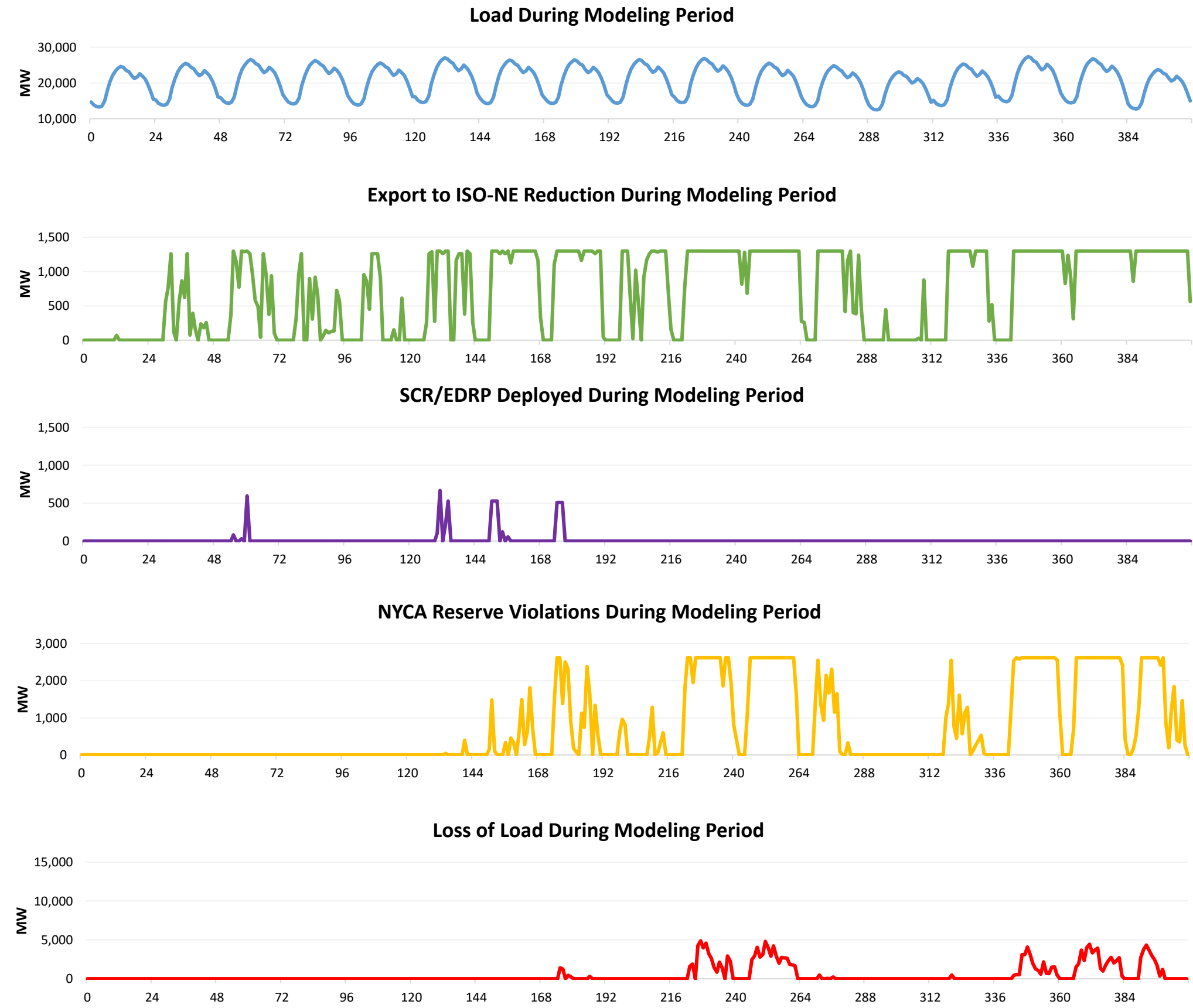


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 275     |
| Total MWh         | 294,889 |
| Avg. MW           | 722.8   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 5,519 |
| Avg. MW        | 13.5  |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 162     |
| Total MWh             | 282,942 |
| Avg. MW               | 693.5   |
| First Hour with Viol. | 134     |

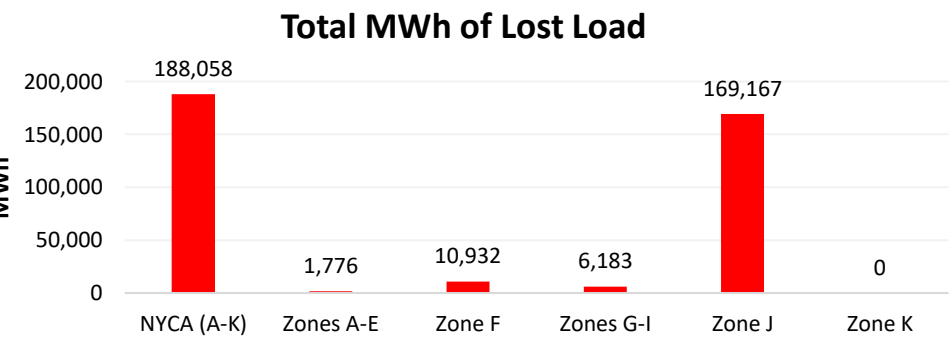
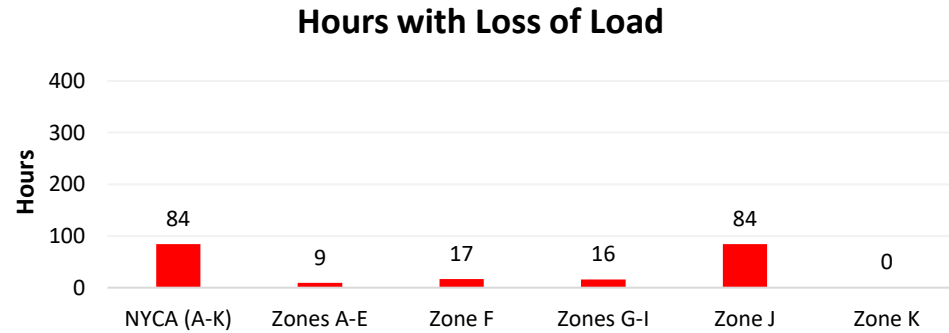
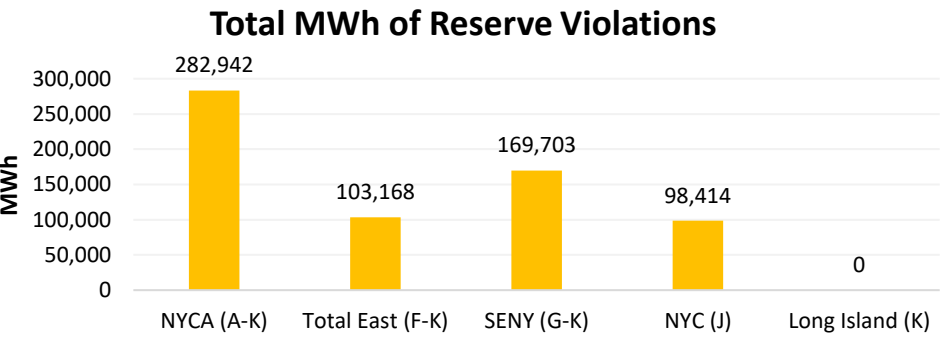
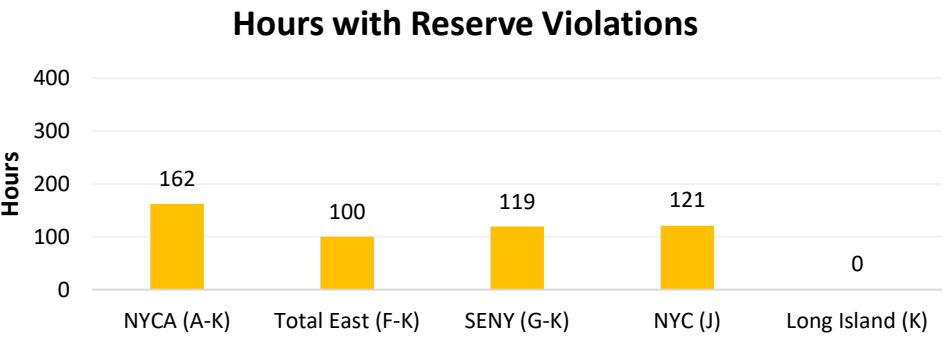
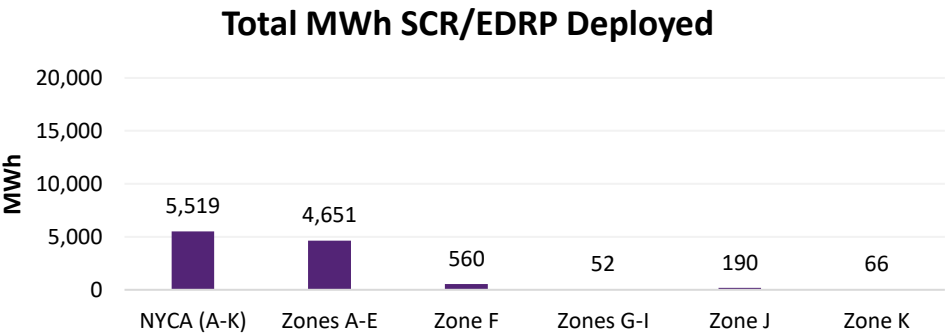
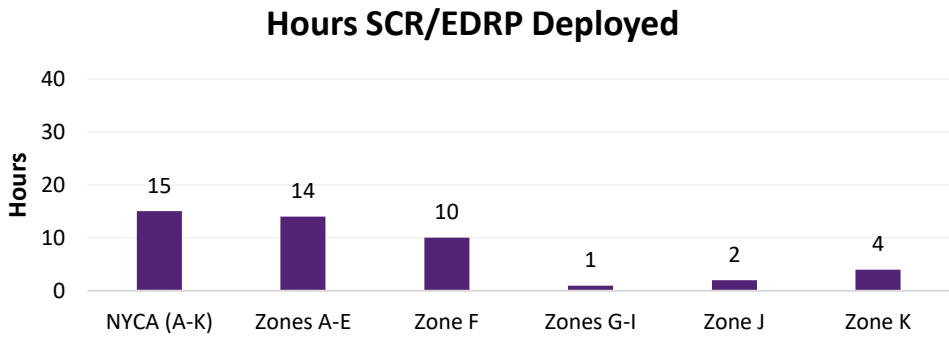
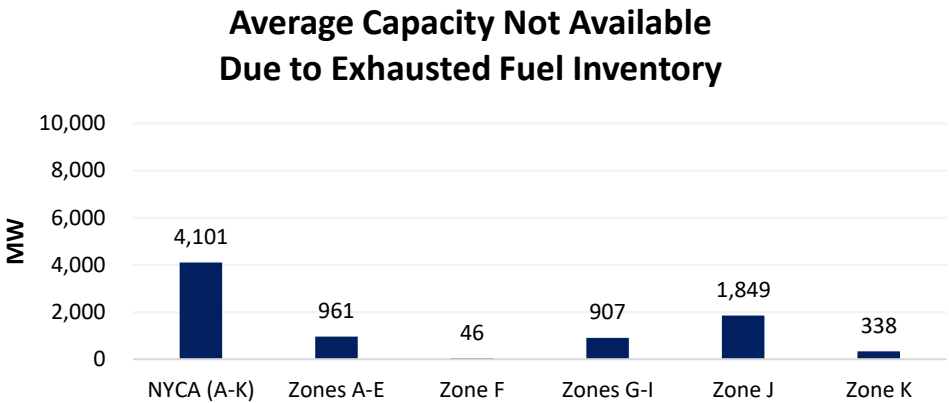
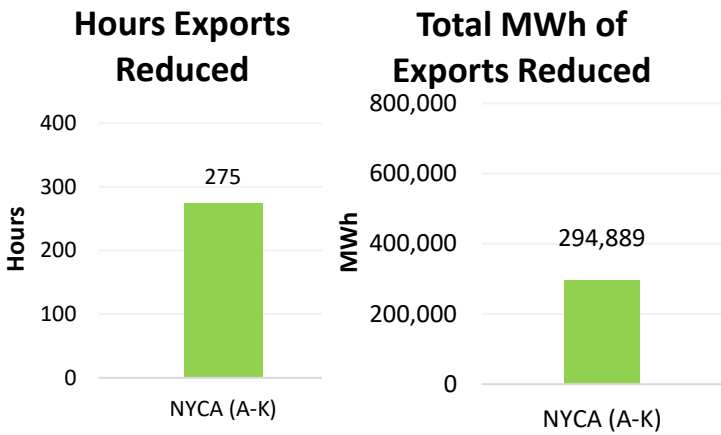
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 84      |
| Total MWh              | 188,058 |
| Avg. MW                | 460.9   |
| First Hour with Losses | 175     |

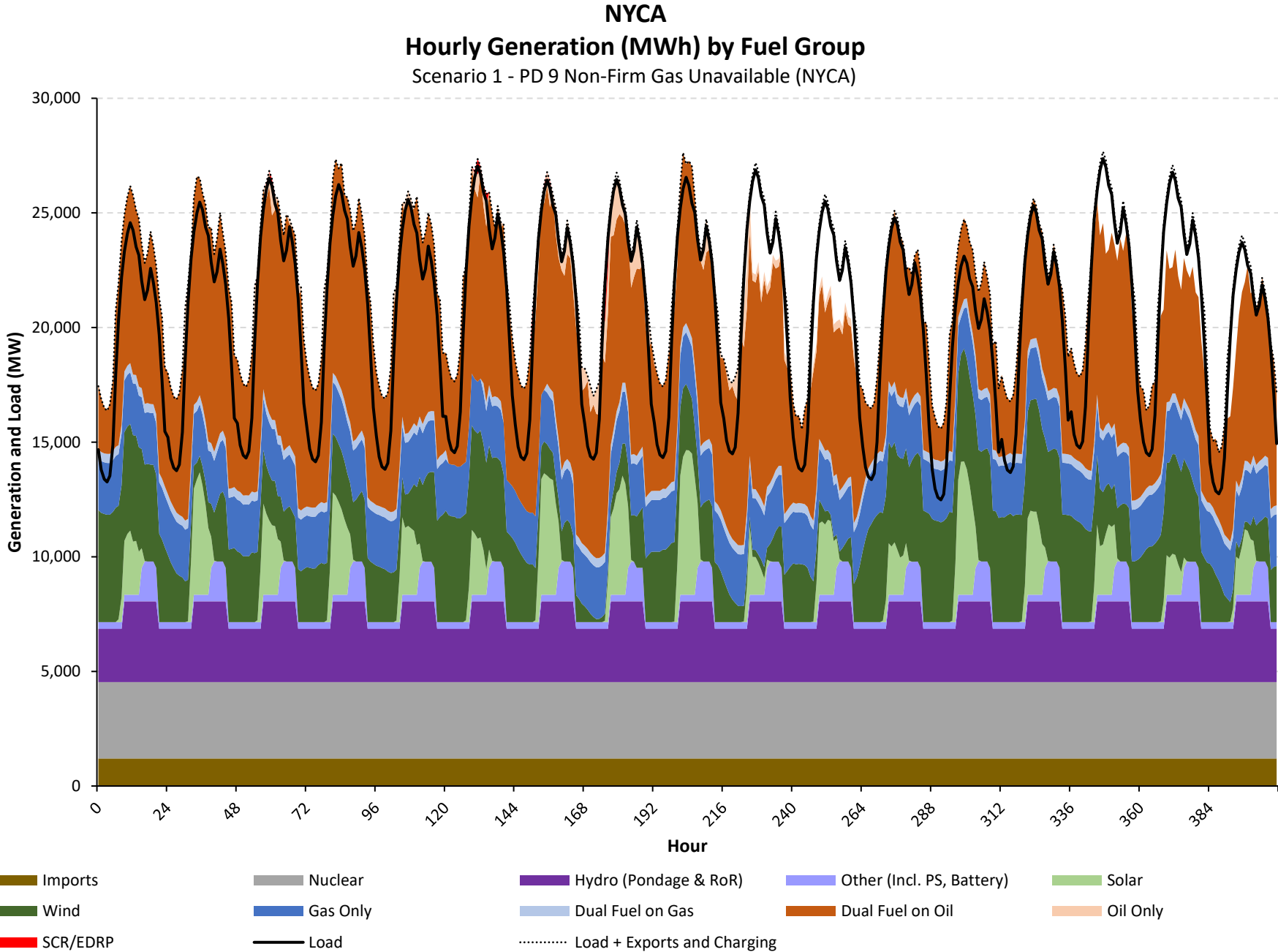


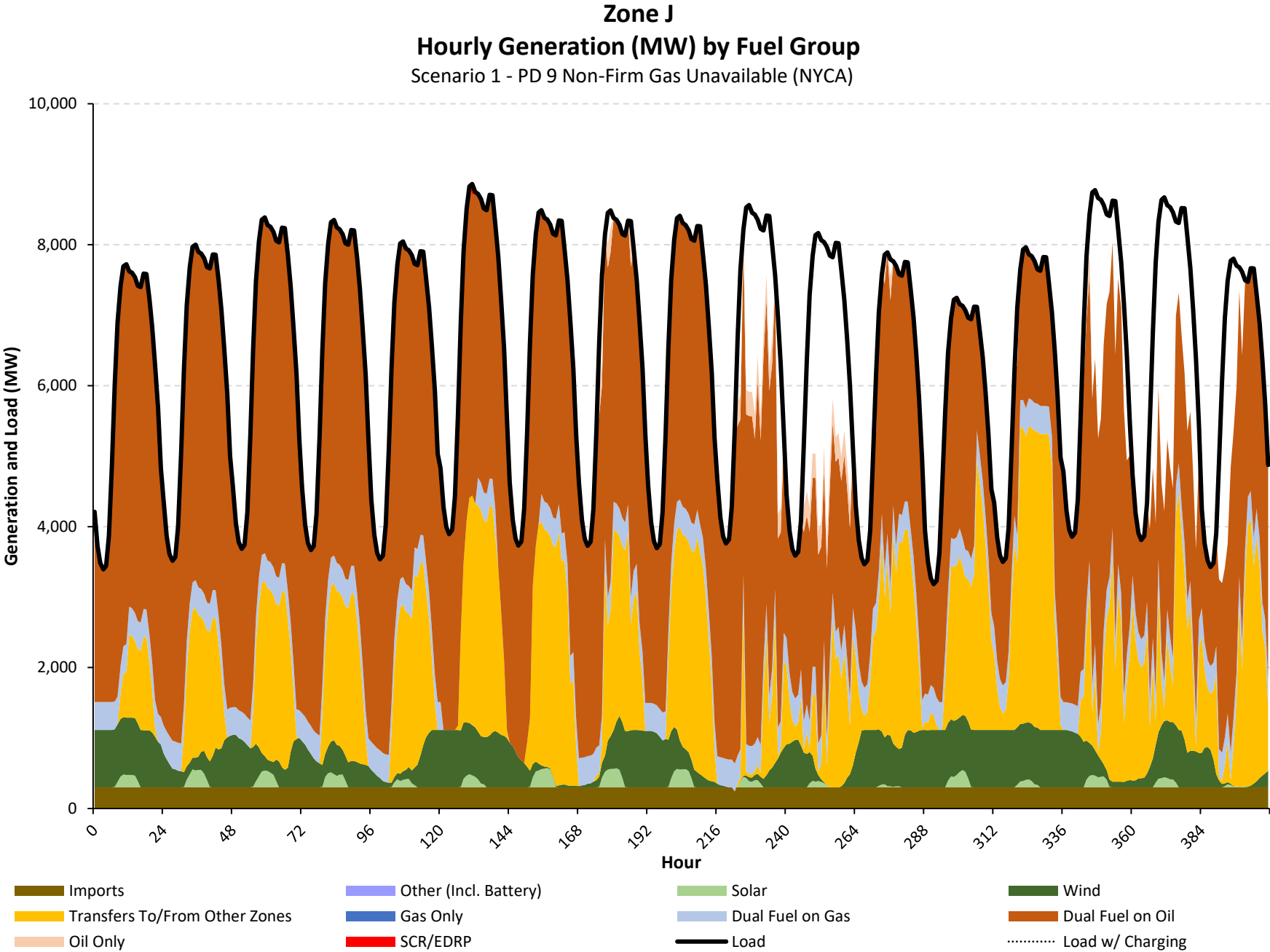
Full Period Results Summary

Case Name: Scenario 1 - PD 9 Non-Firm Gas Unavailable (NYCA)

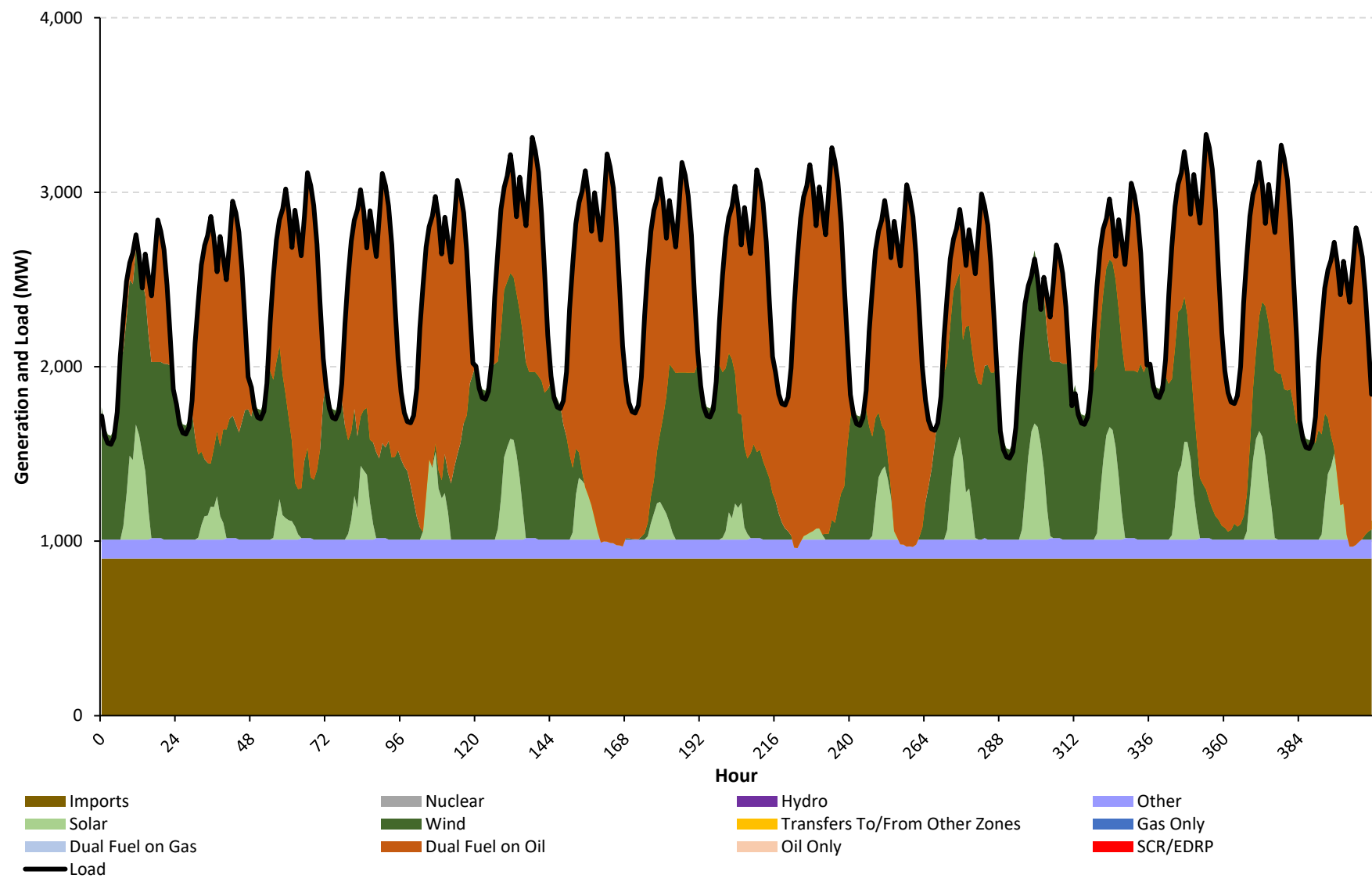
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

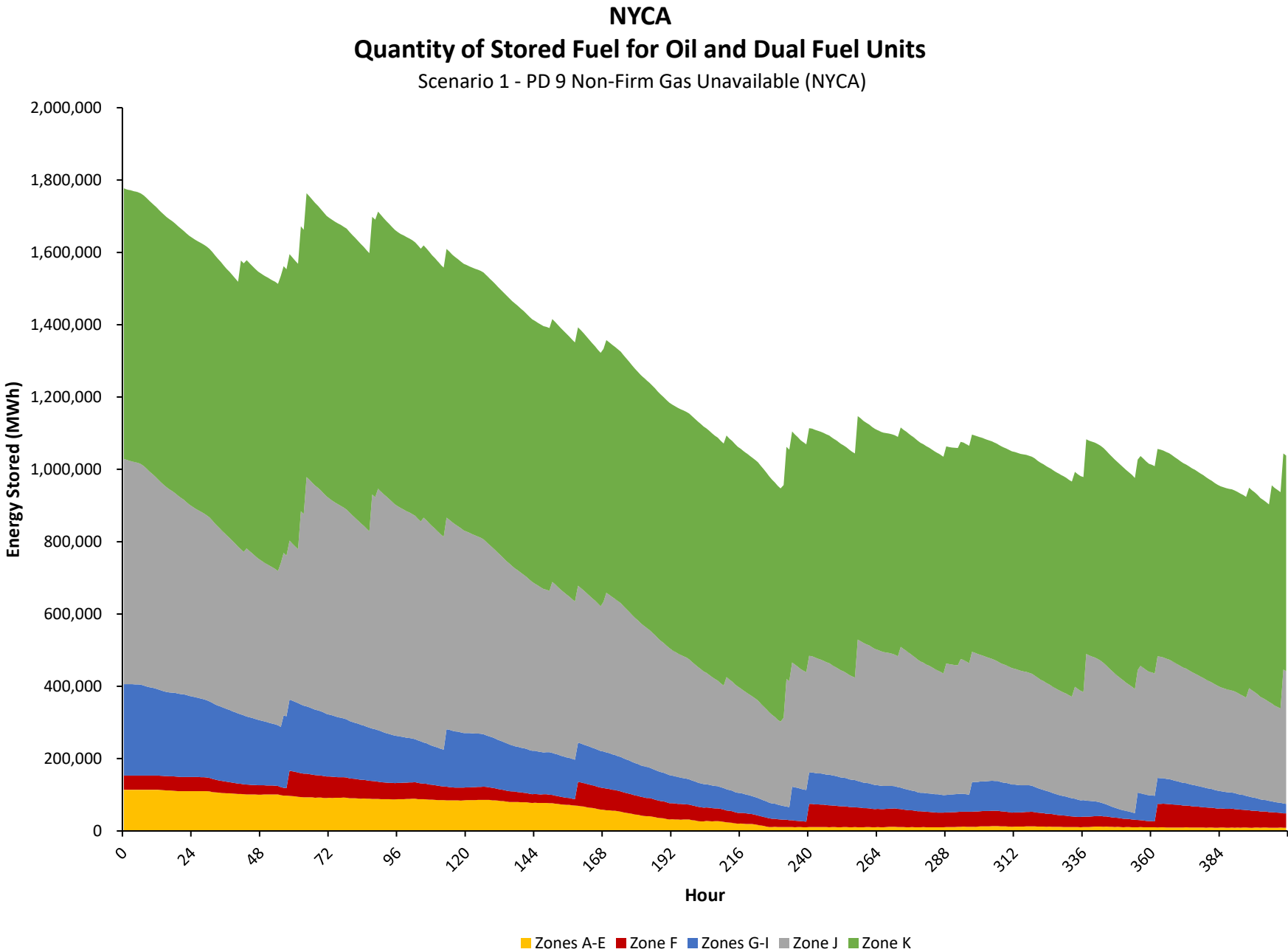


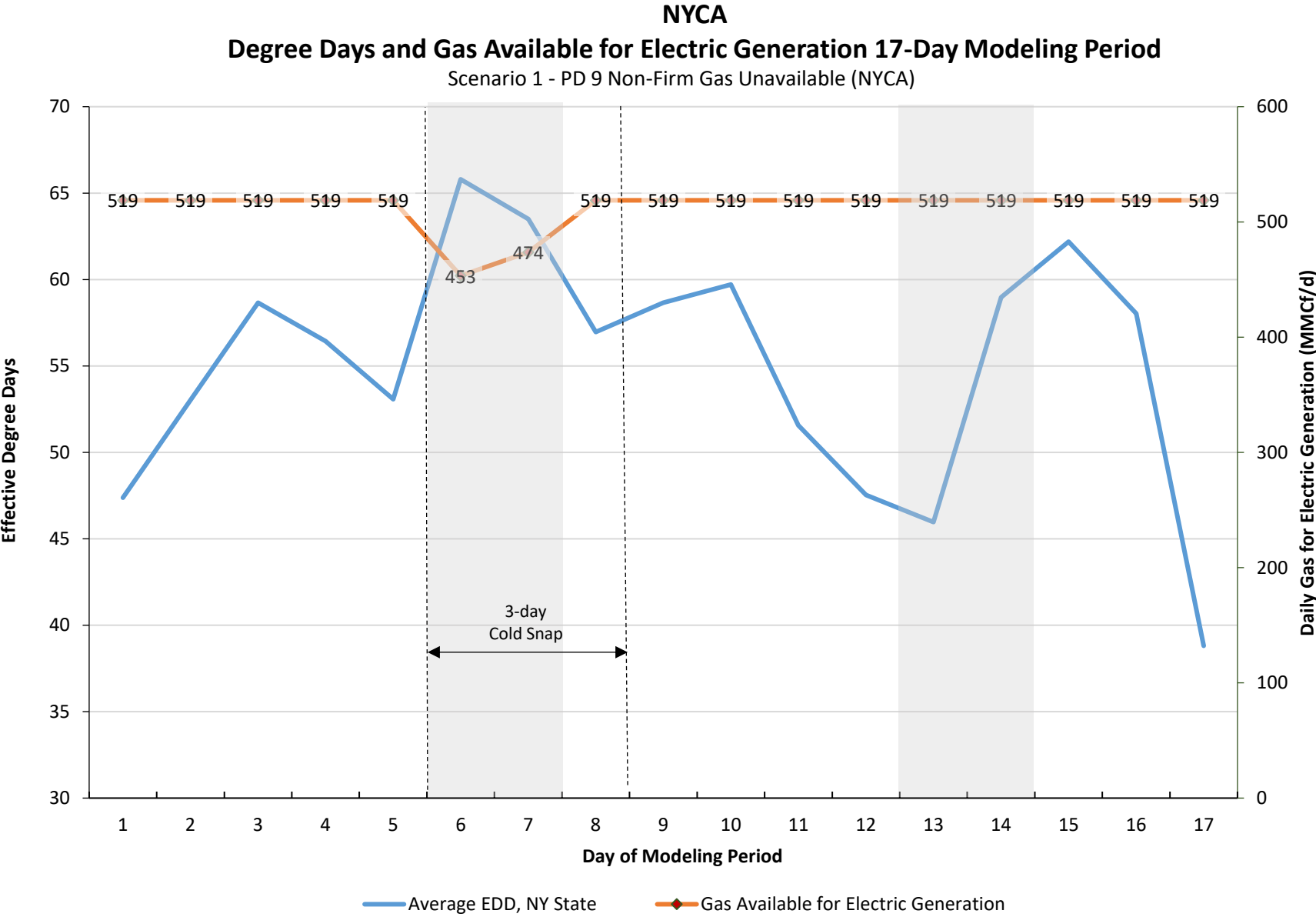




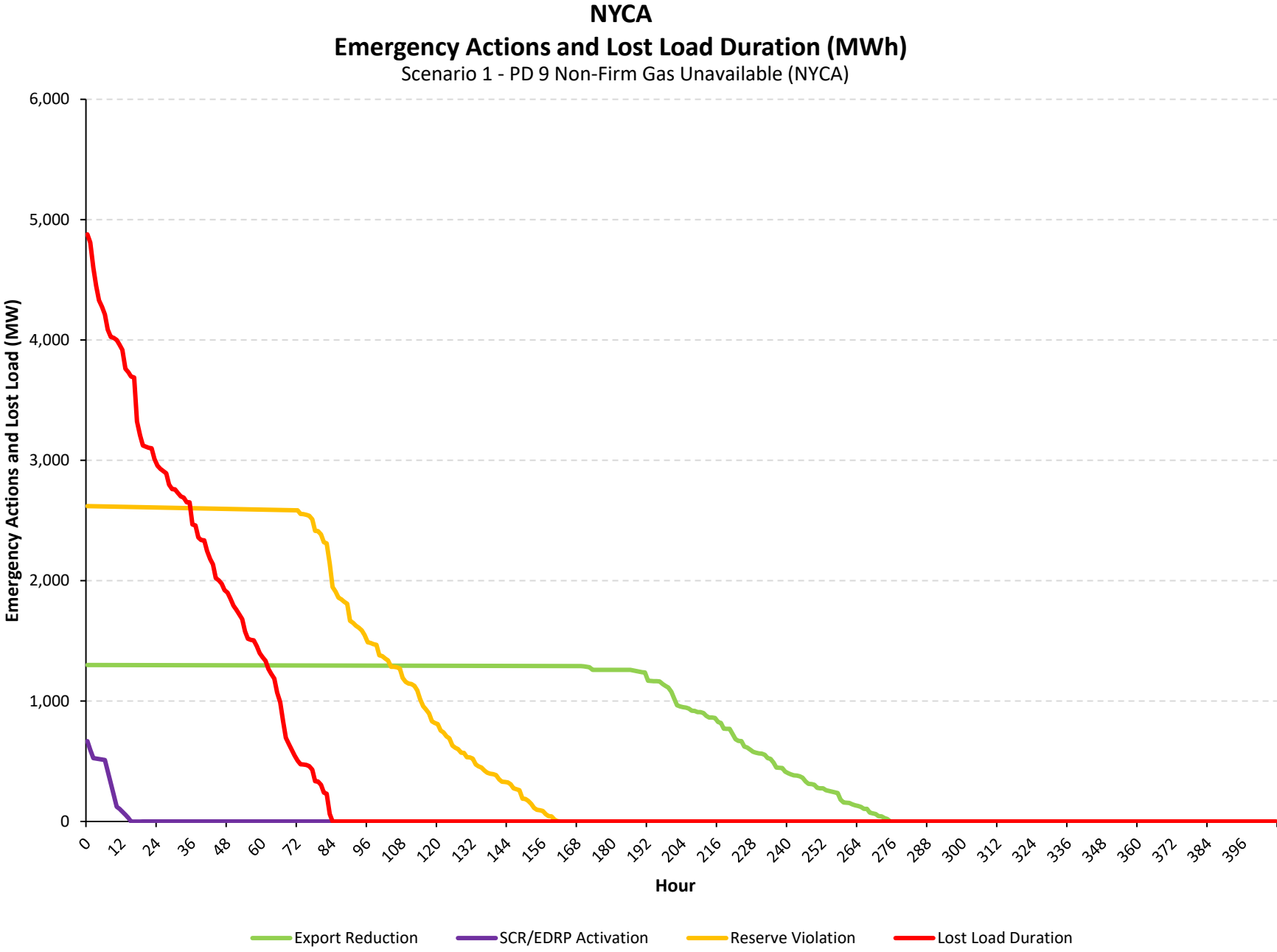
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 9 Non-Firm Gas Unavailable (NYCA)

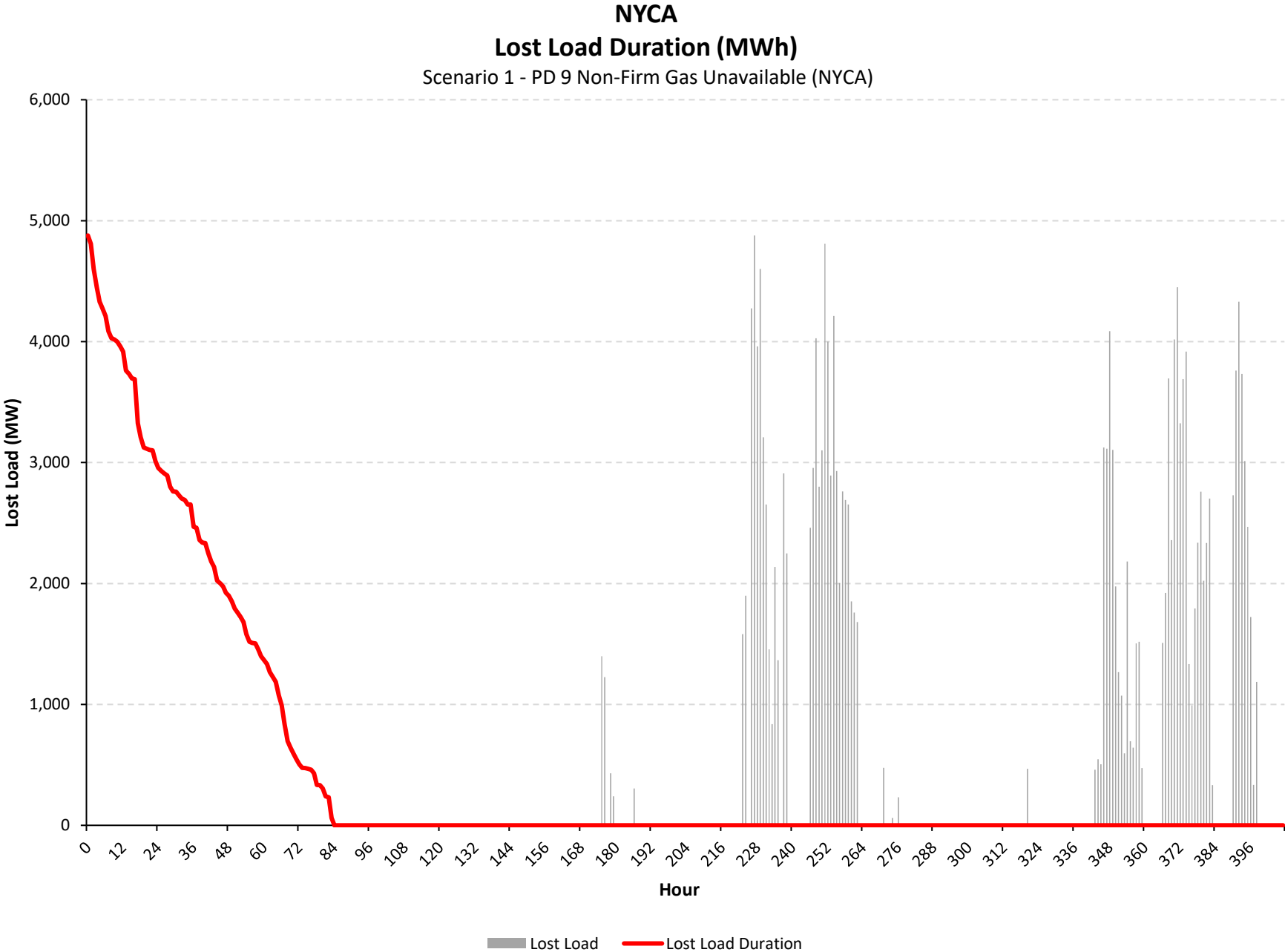






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





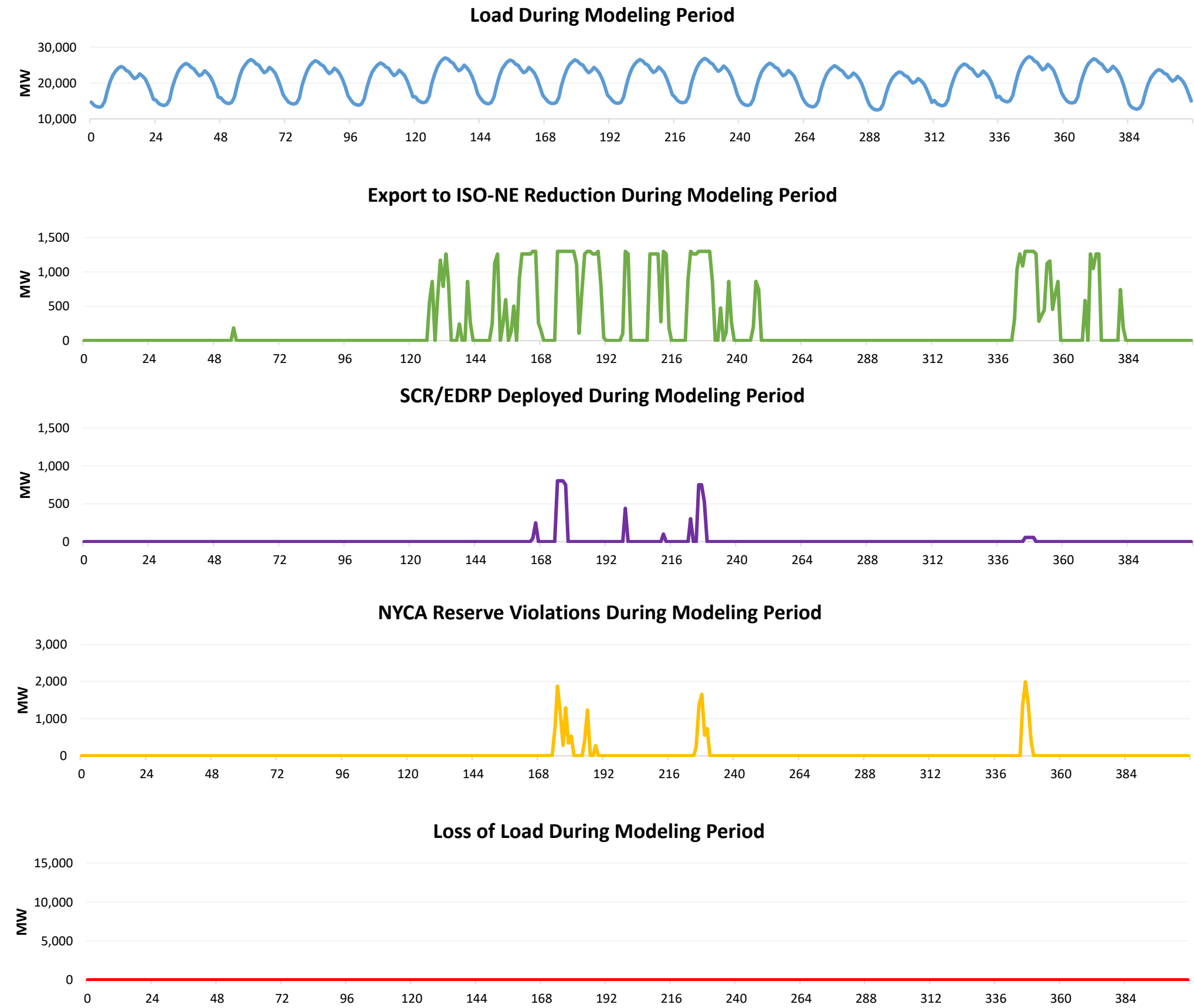


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 98     |
| Total MWh         | 88,451 |
| Avg. MW           | 216.8  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,547 |
| Avg. MW        | 16.0  |

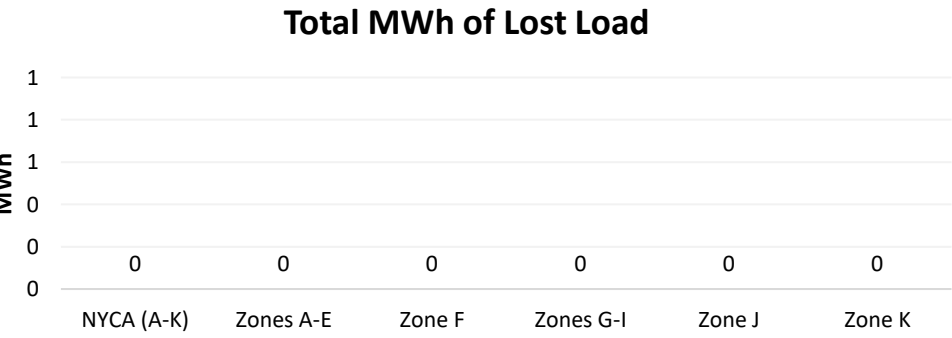
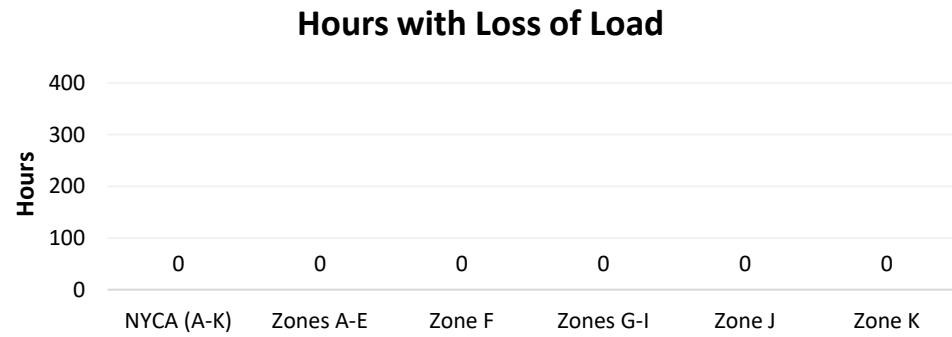
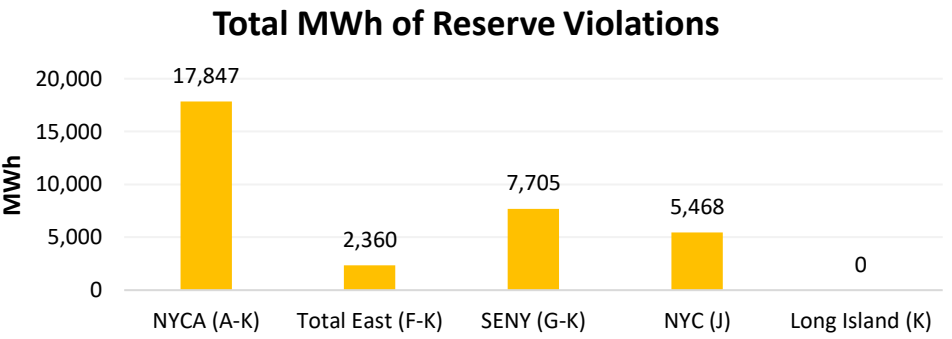
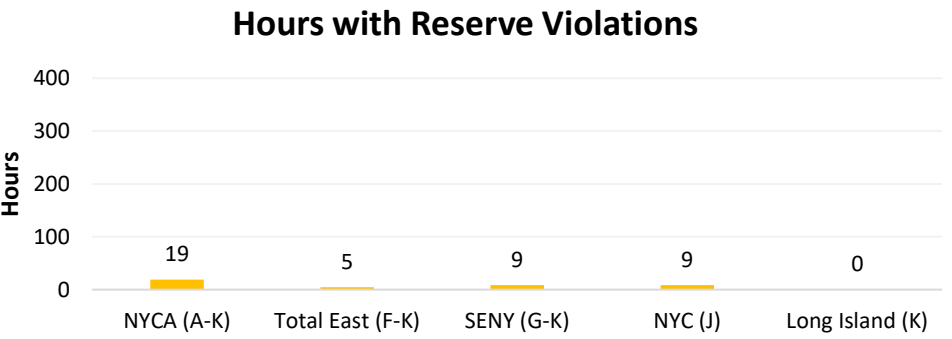
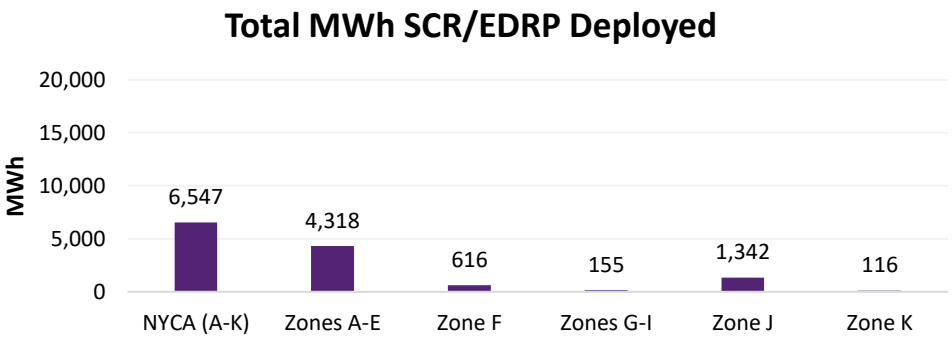
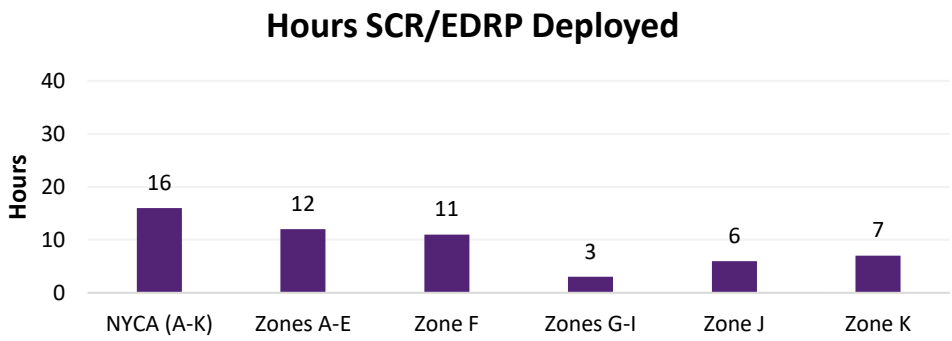
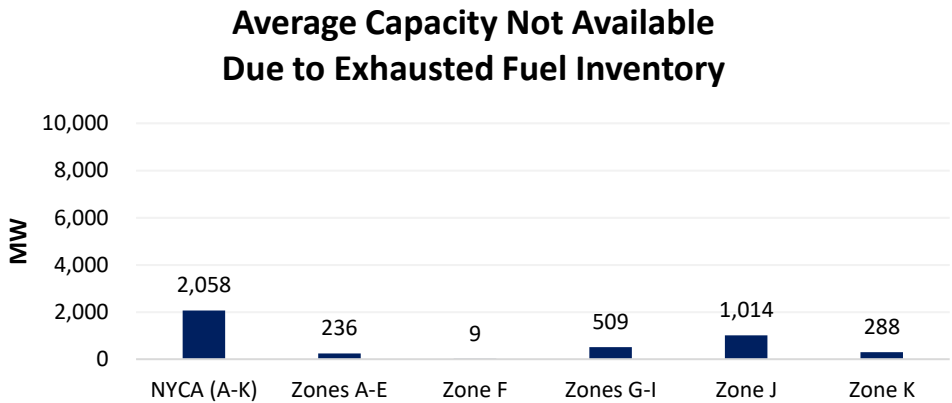
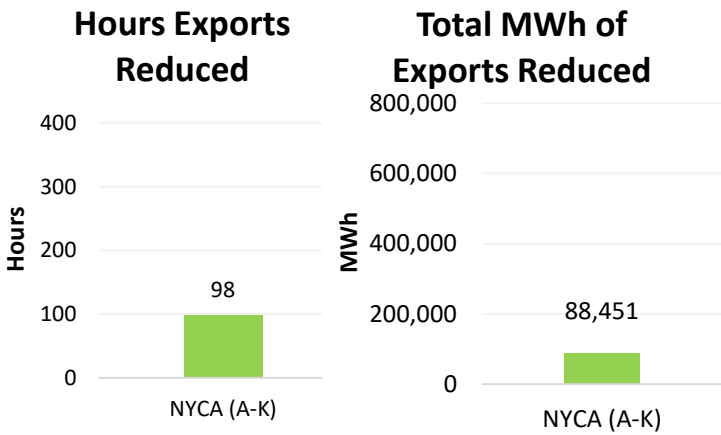
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 19     |
| Total MWh             | 17,847 |
| Avg. MW               | 43.7   |
| First Hour with Viol. | 174    |

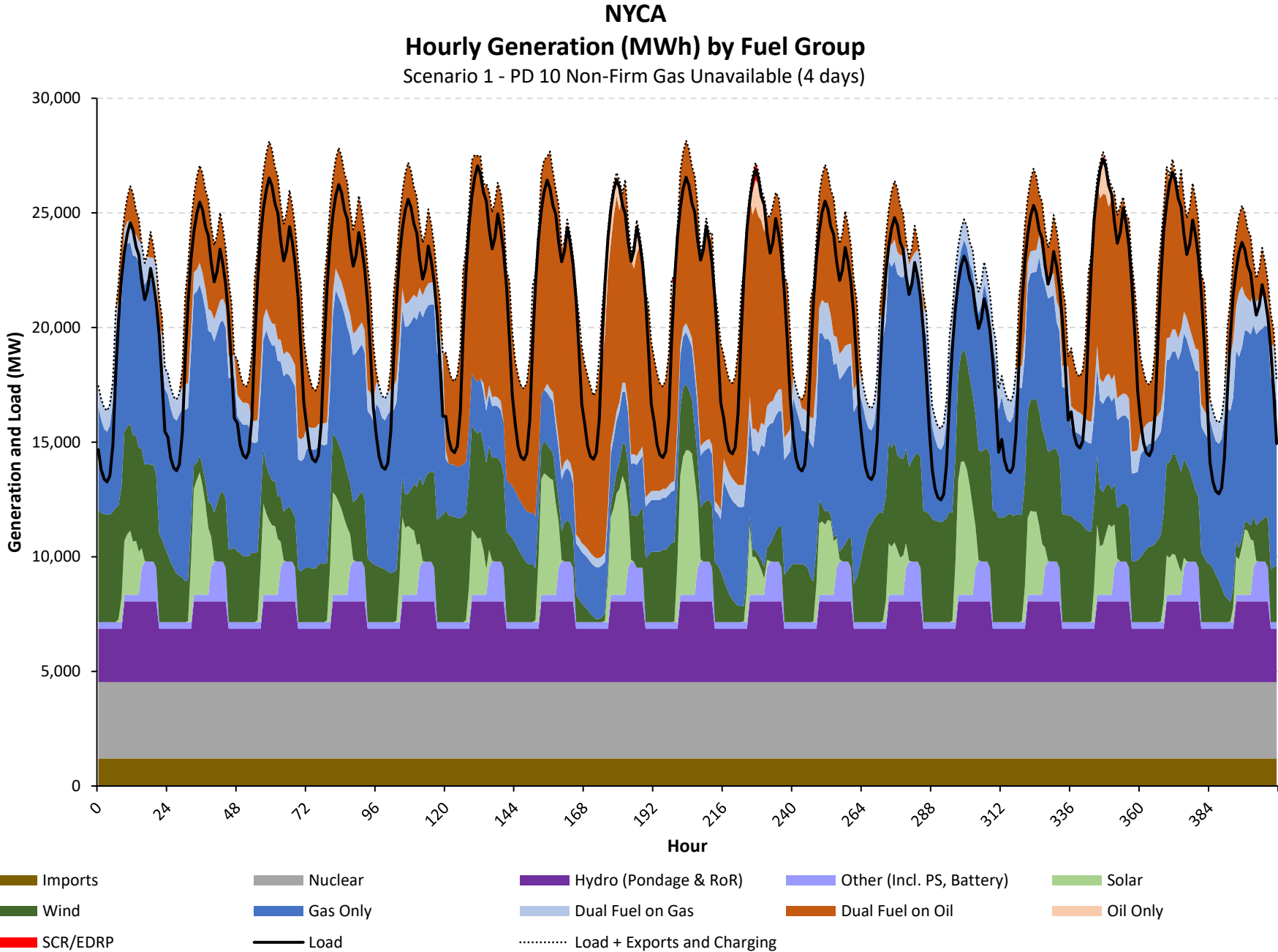
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

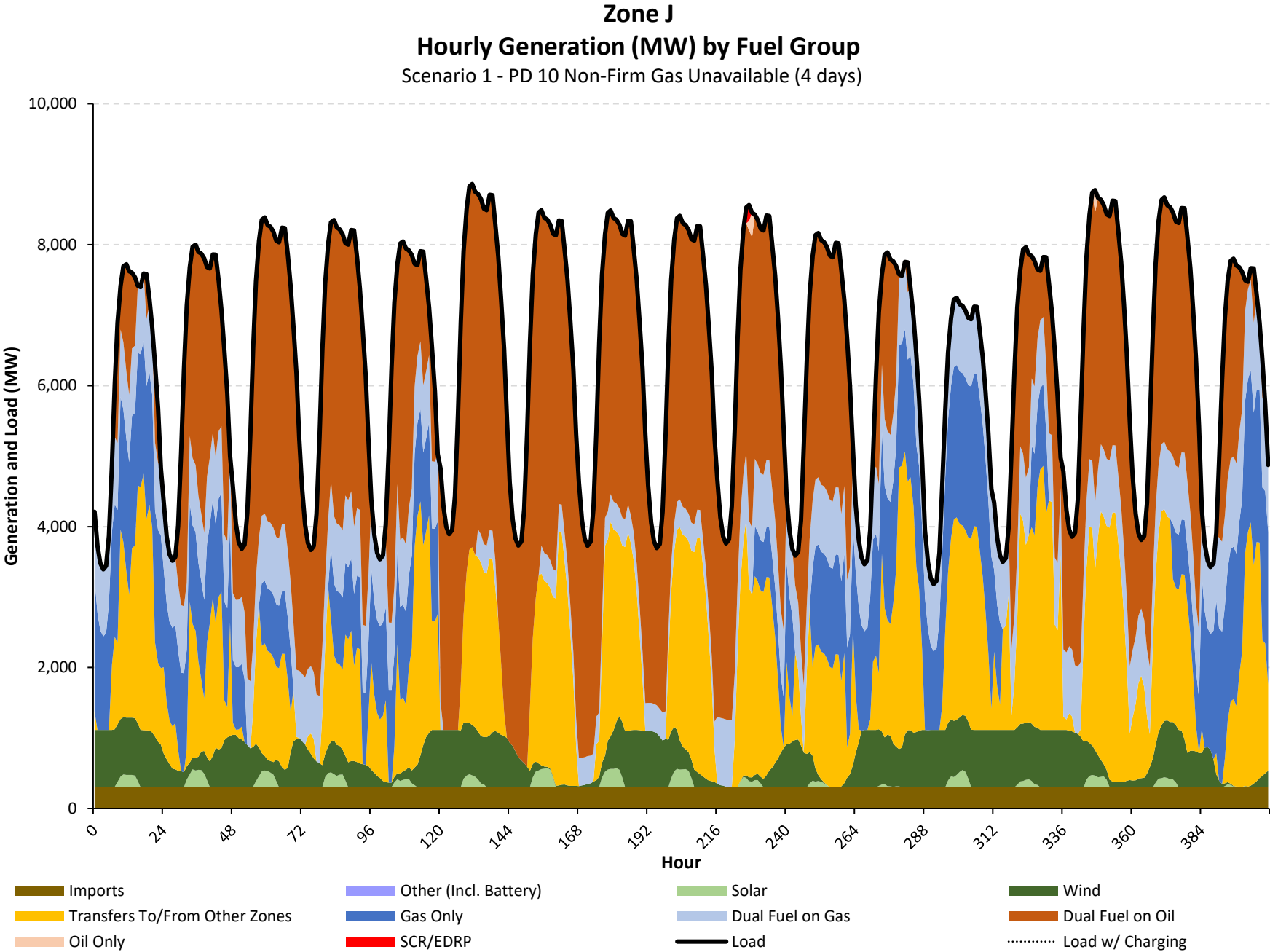
Full Period Results Summary

Case Name: Scenario 1 - PD 10 Non-Firm Gas Unavailable (4 days)

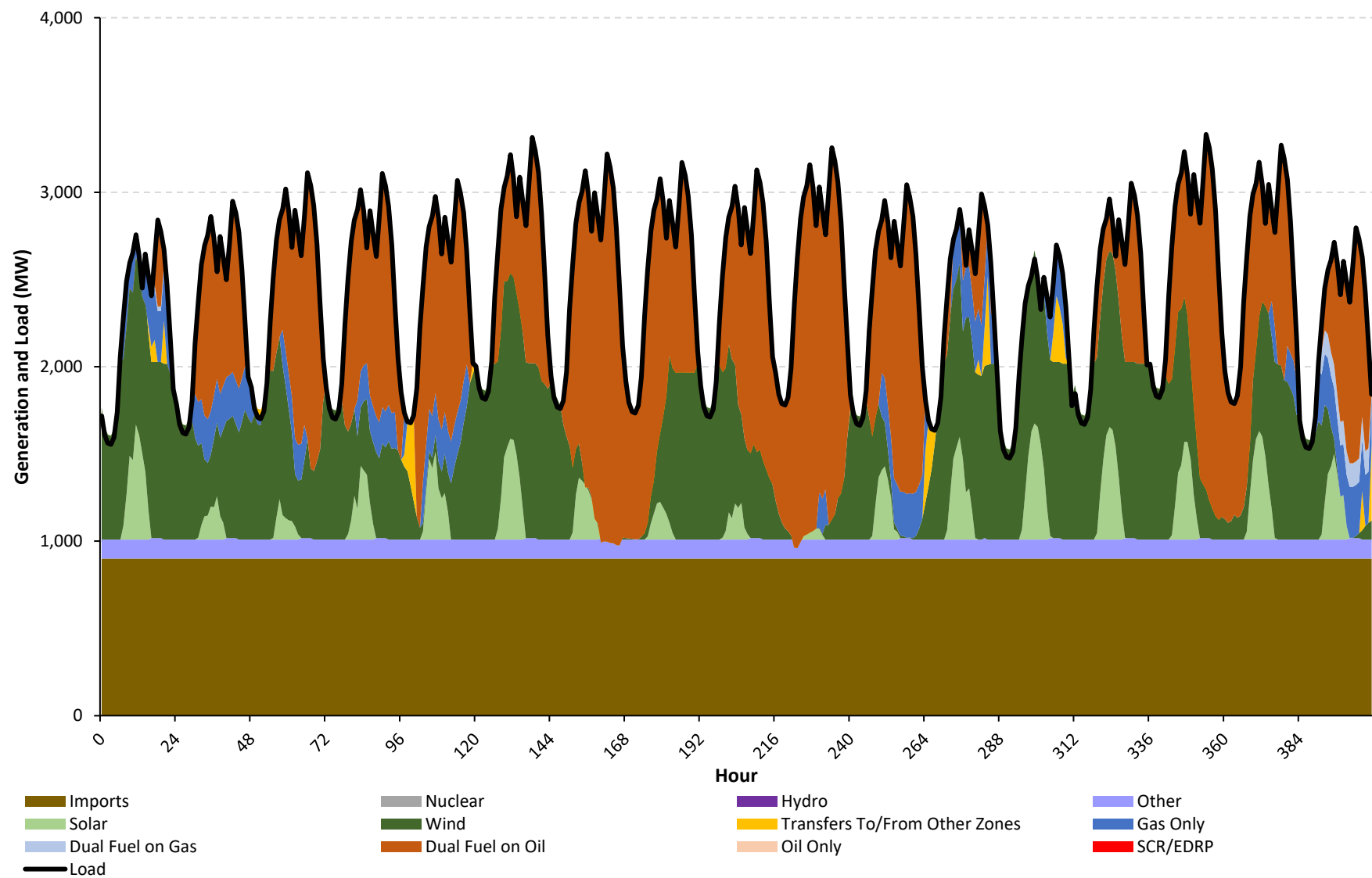
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

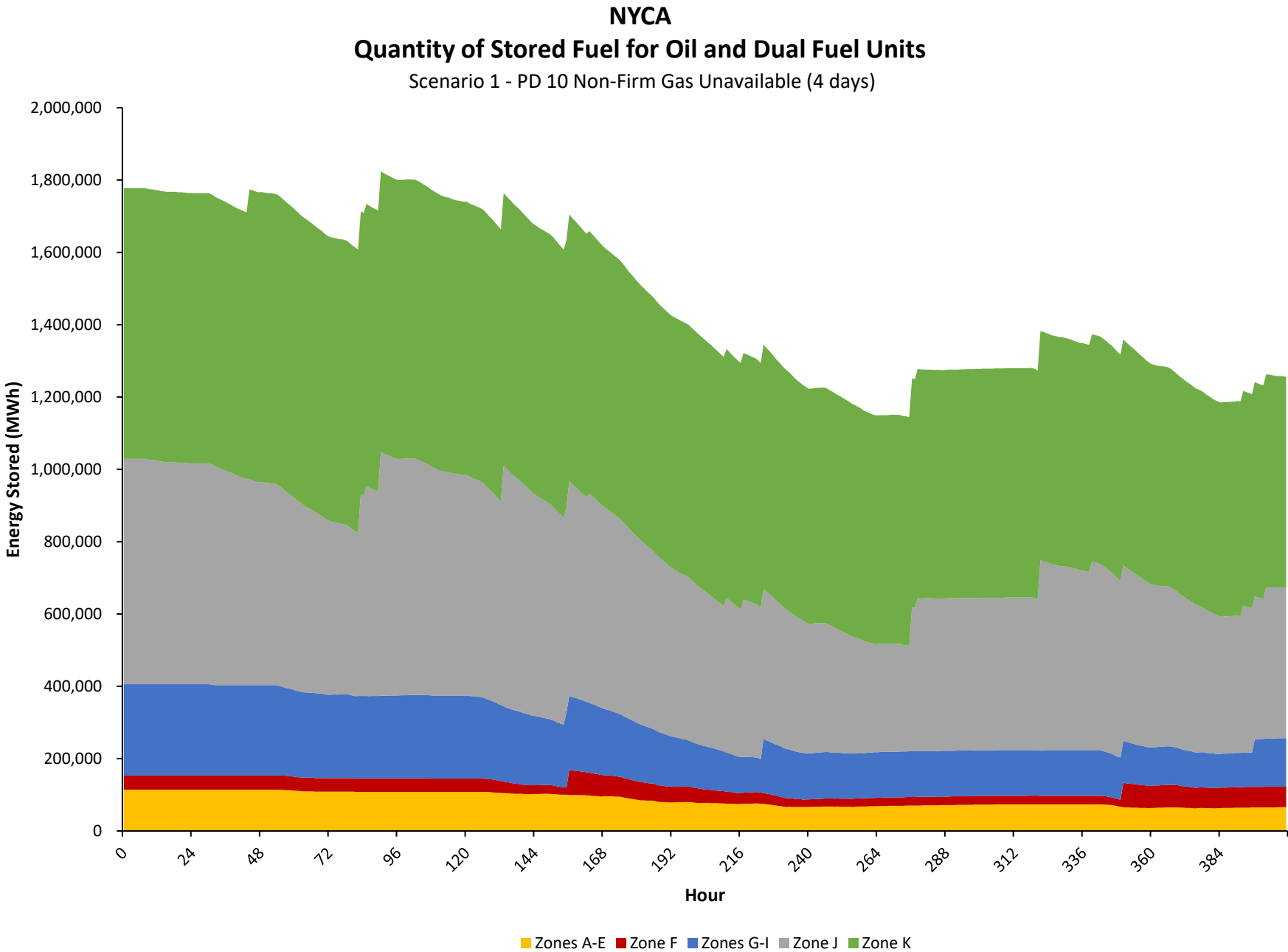


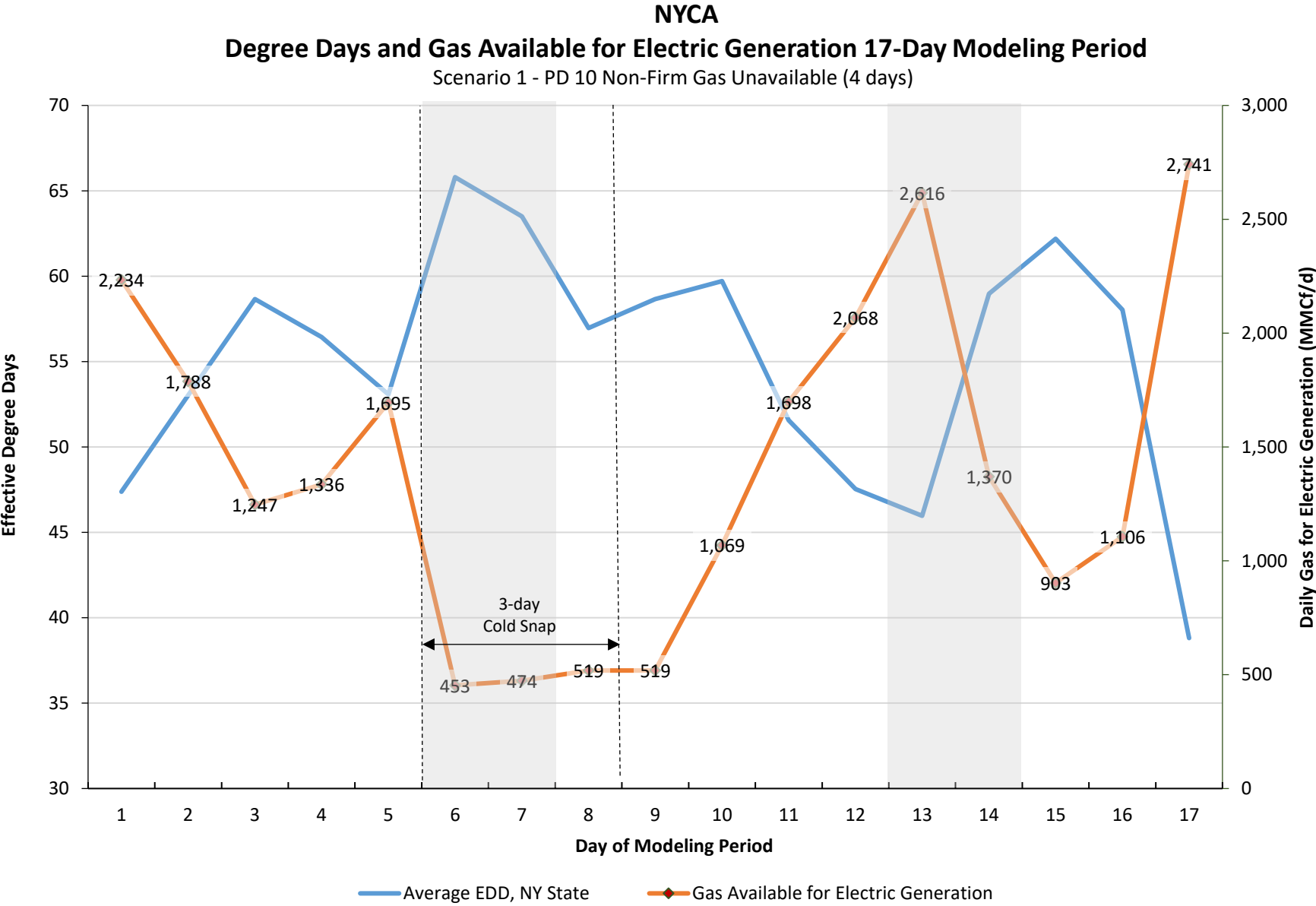




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 10 Non-Firm Gas Unavailable (4 days)

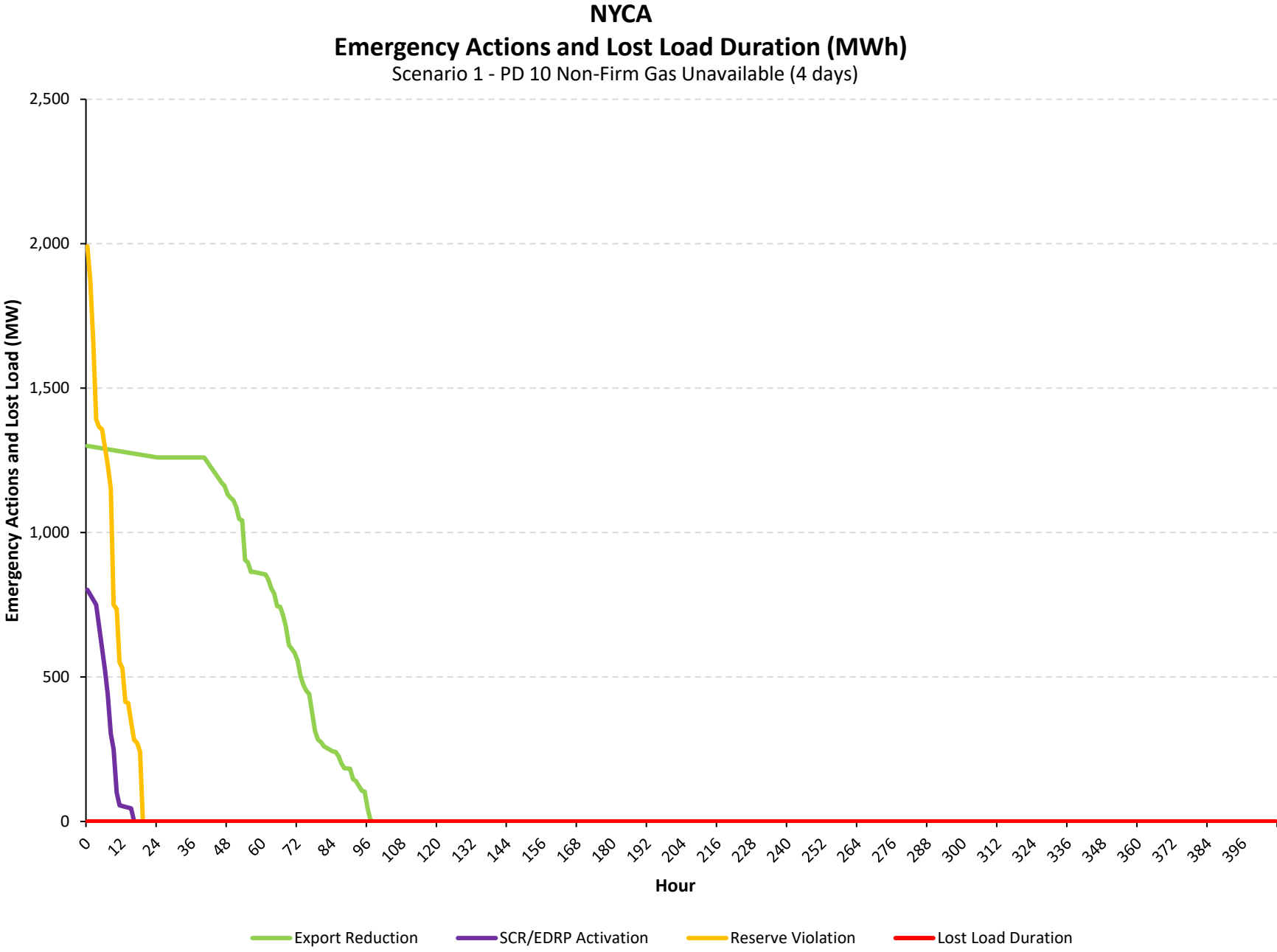


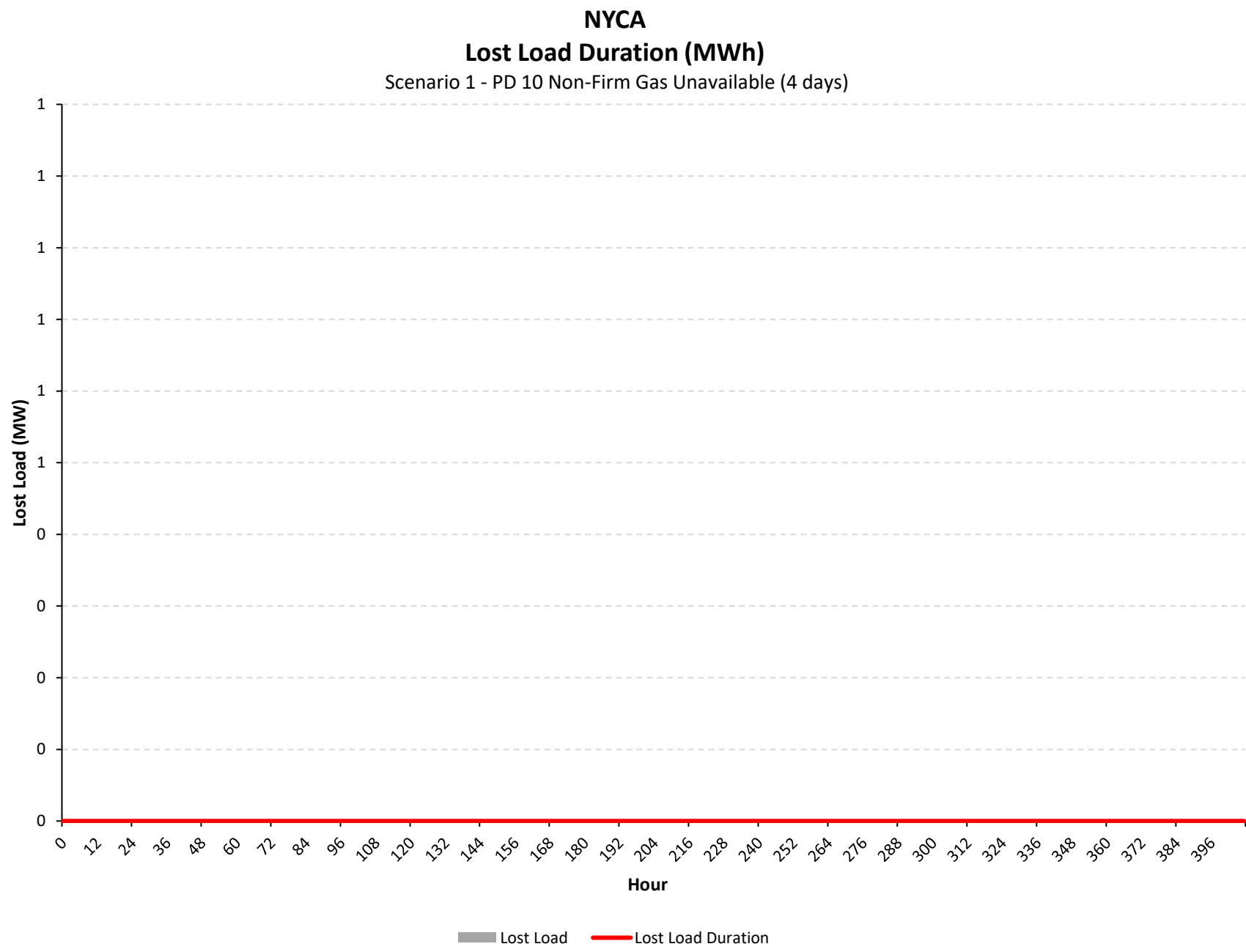




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





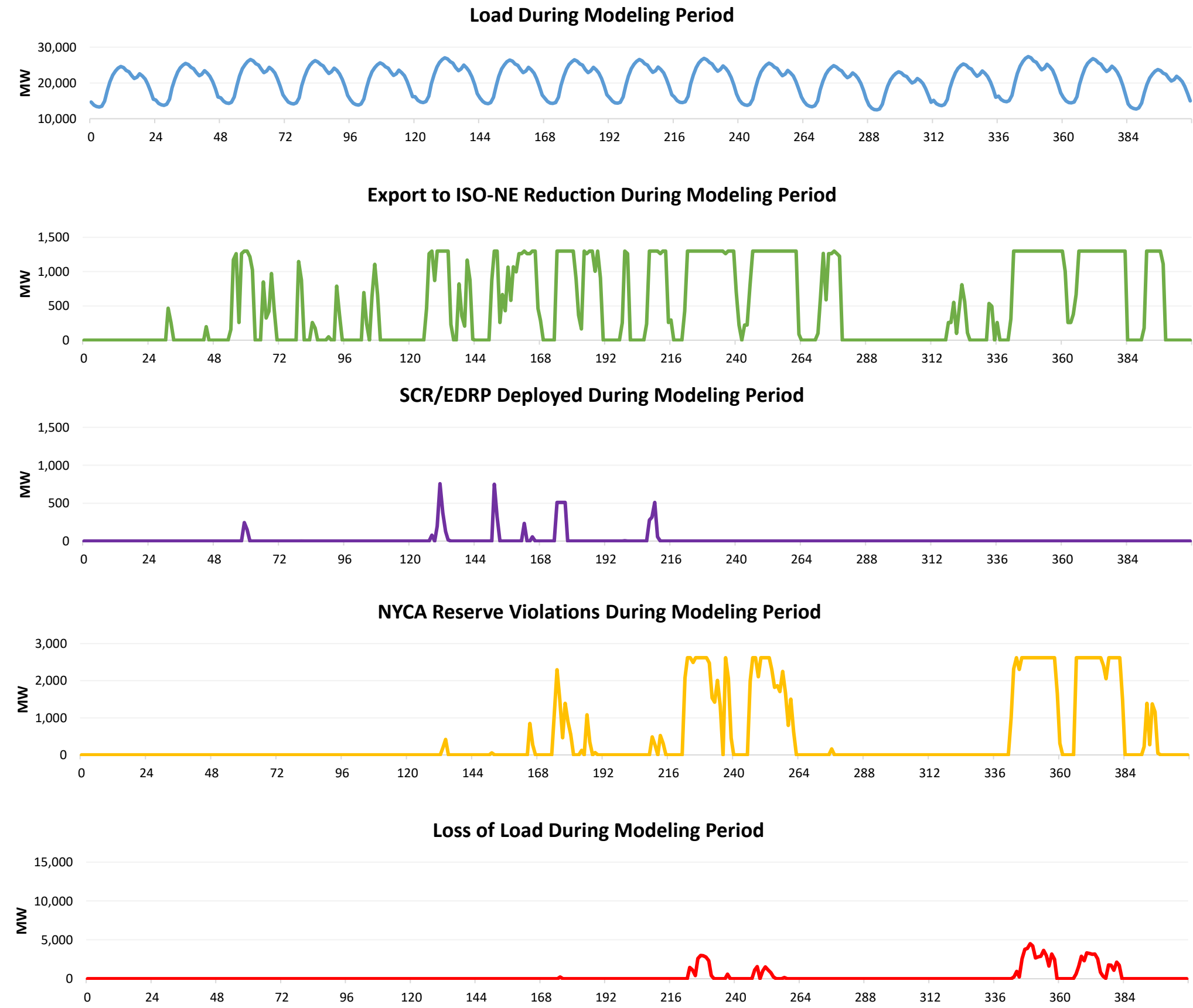


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 1 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 1 - PD 11 Combination Disruption



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 207     |
| Total MWh         | 205,202 |
| Avg. MW           | 502.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 21    |
| Total MWh      | 6,498 |
| Avg. MW        | 15.9  |

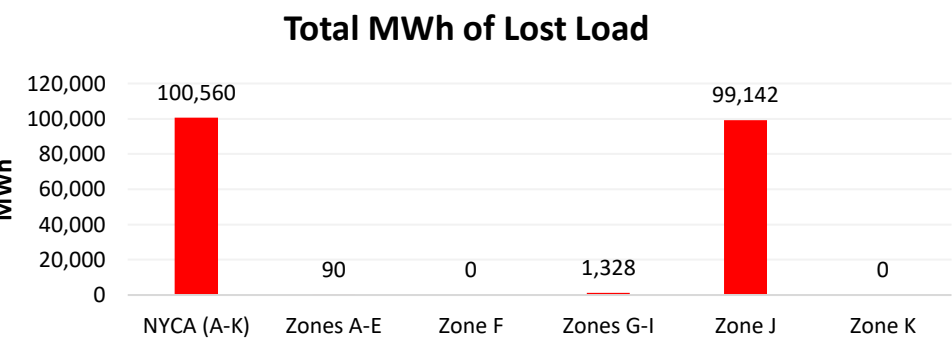
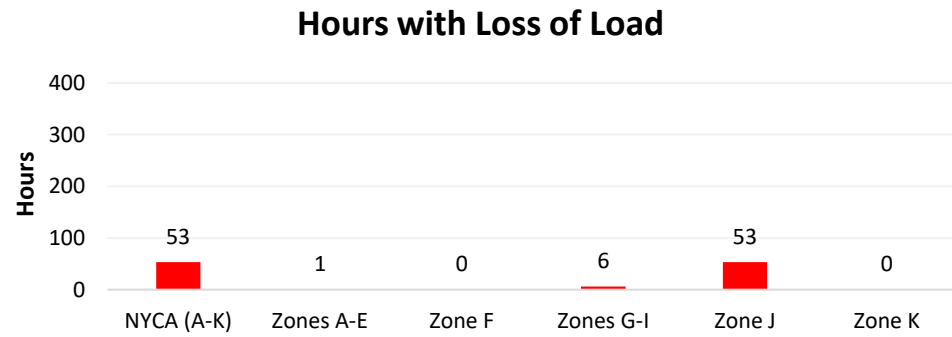
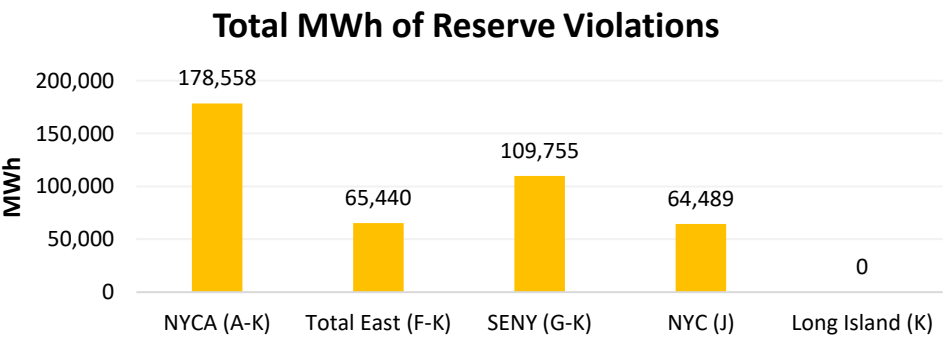
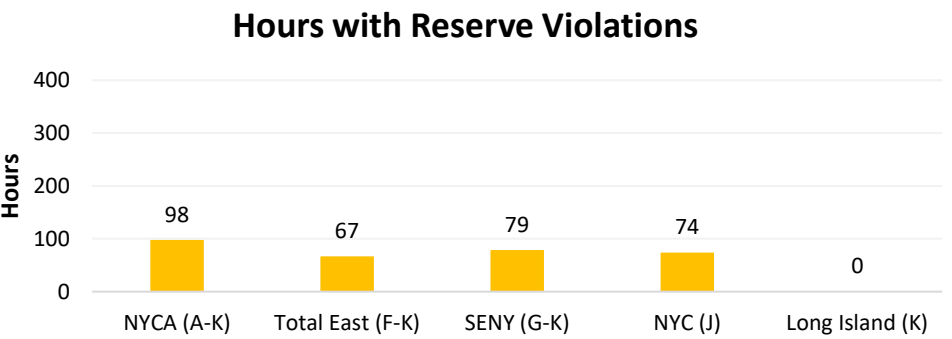
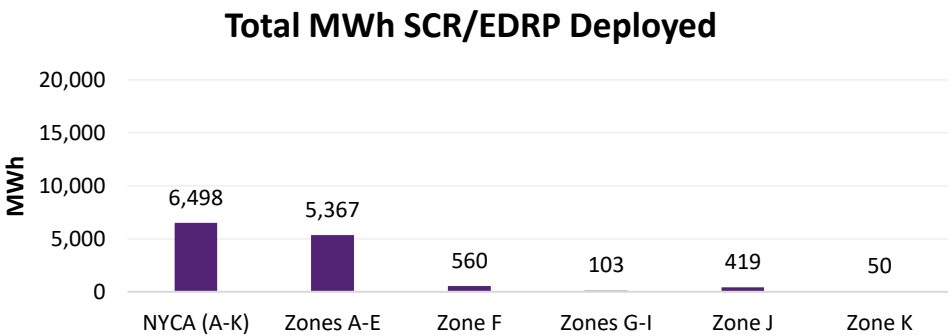
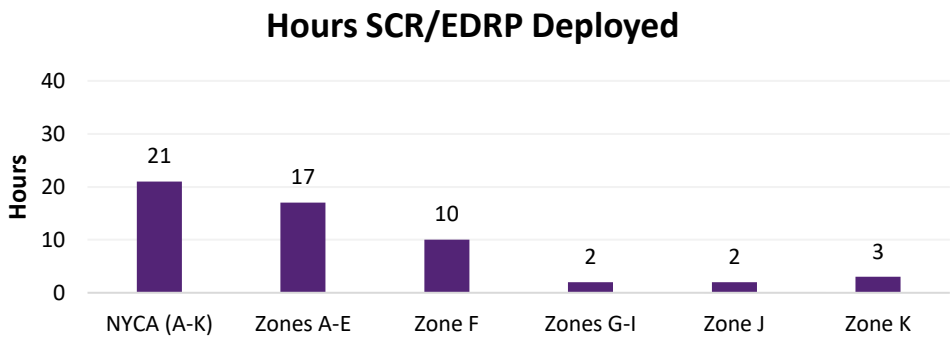
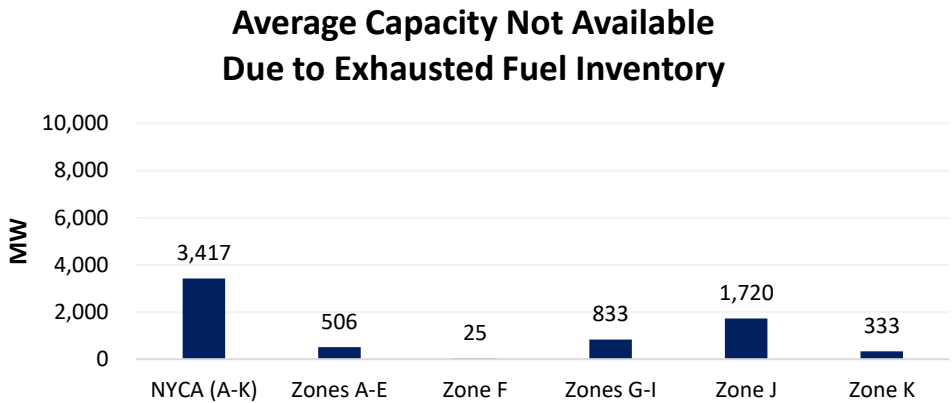
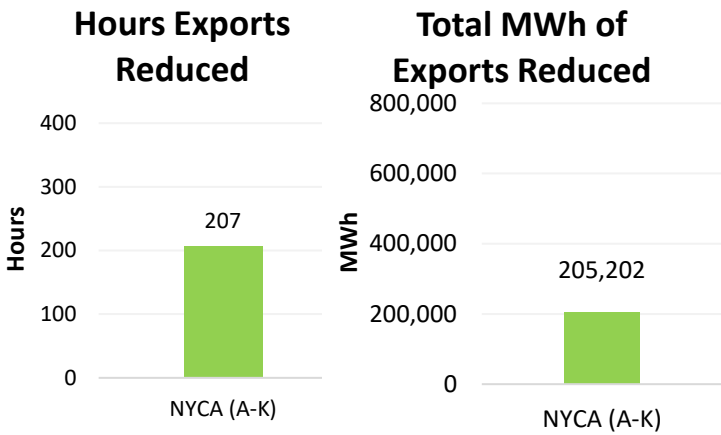
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 98      |
| Total MWh             | 178,558 |
| Avg. MW               | 437.6   |
| First Hour with Viol. | 133     |

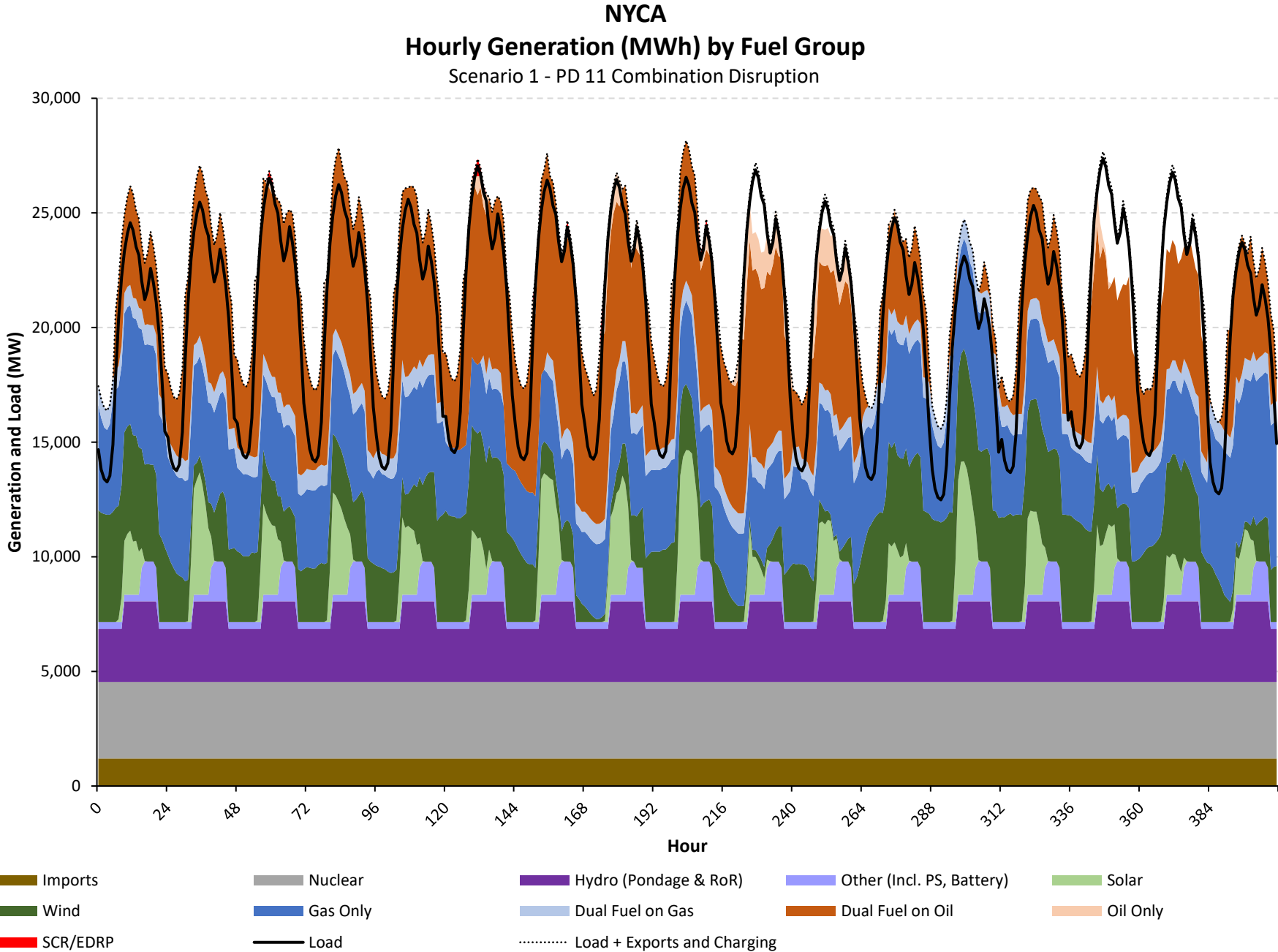
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 53      |
| Total MWh              | 100,560 |
| Avg. MW                | 246.5   |
| First Hour with Losses | 175     |

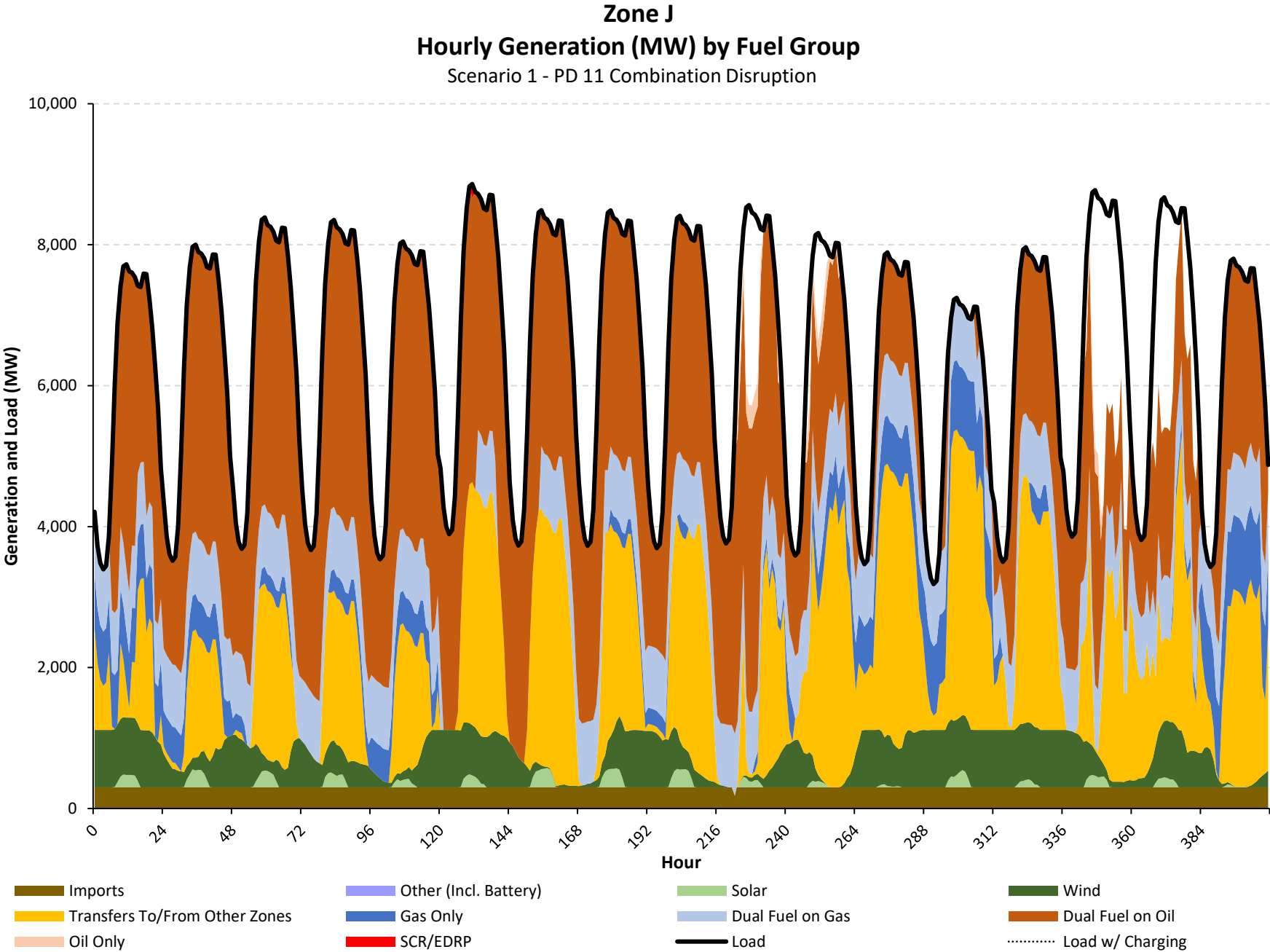
Full Period Results Summary

Case Name: Scenario 1 - PD 11 Combination Disruption

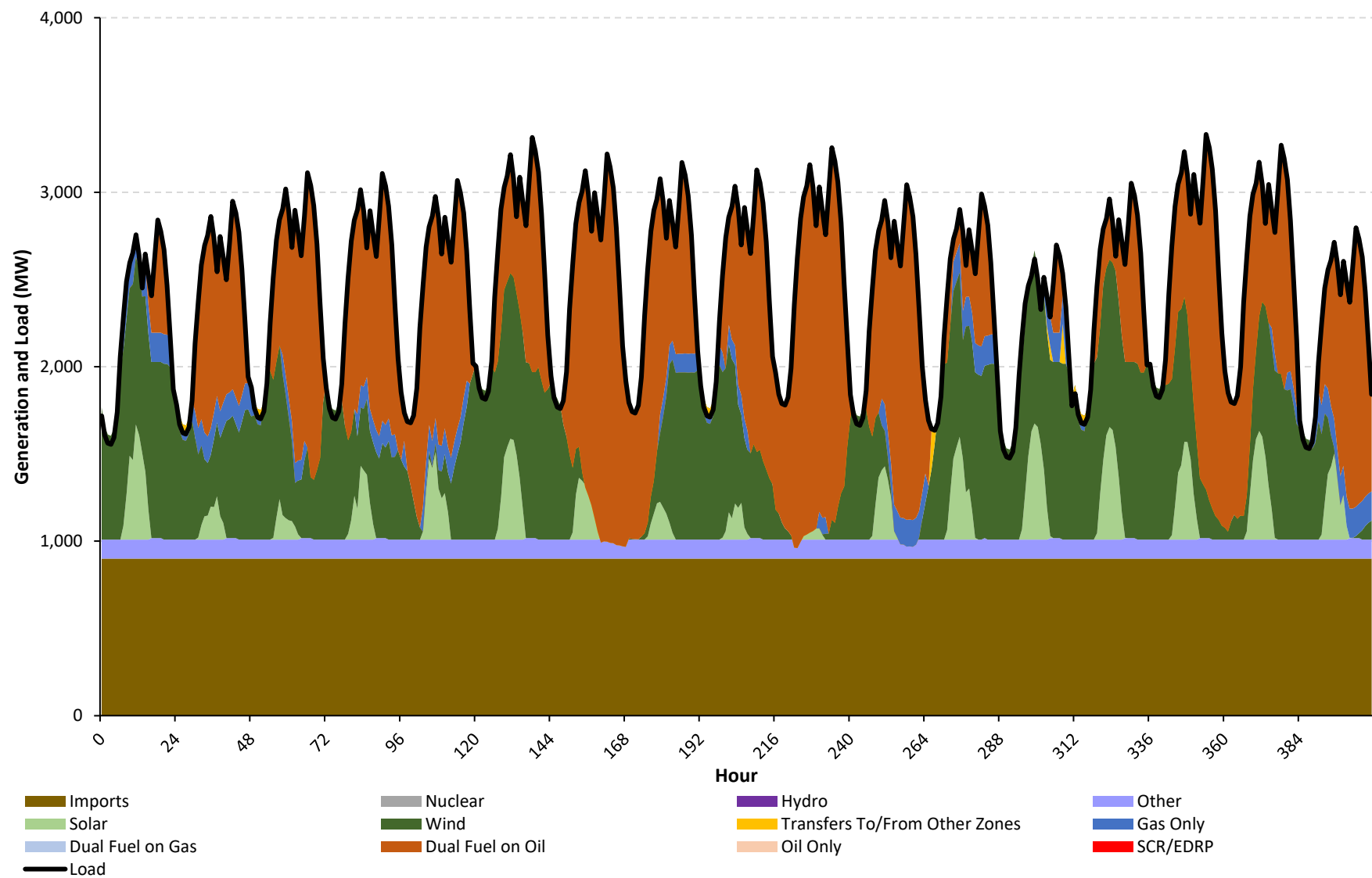
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



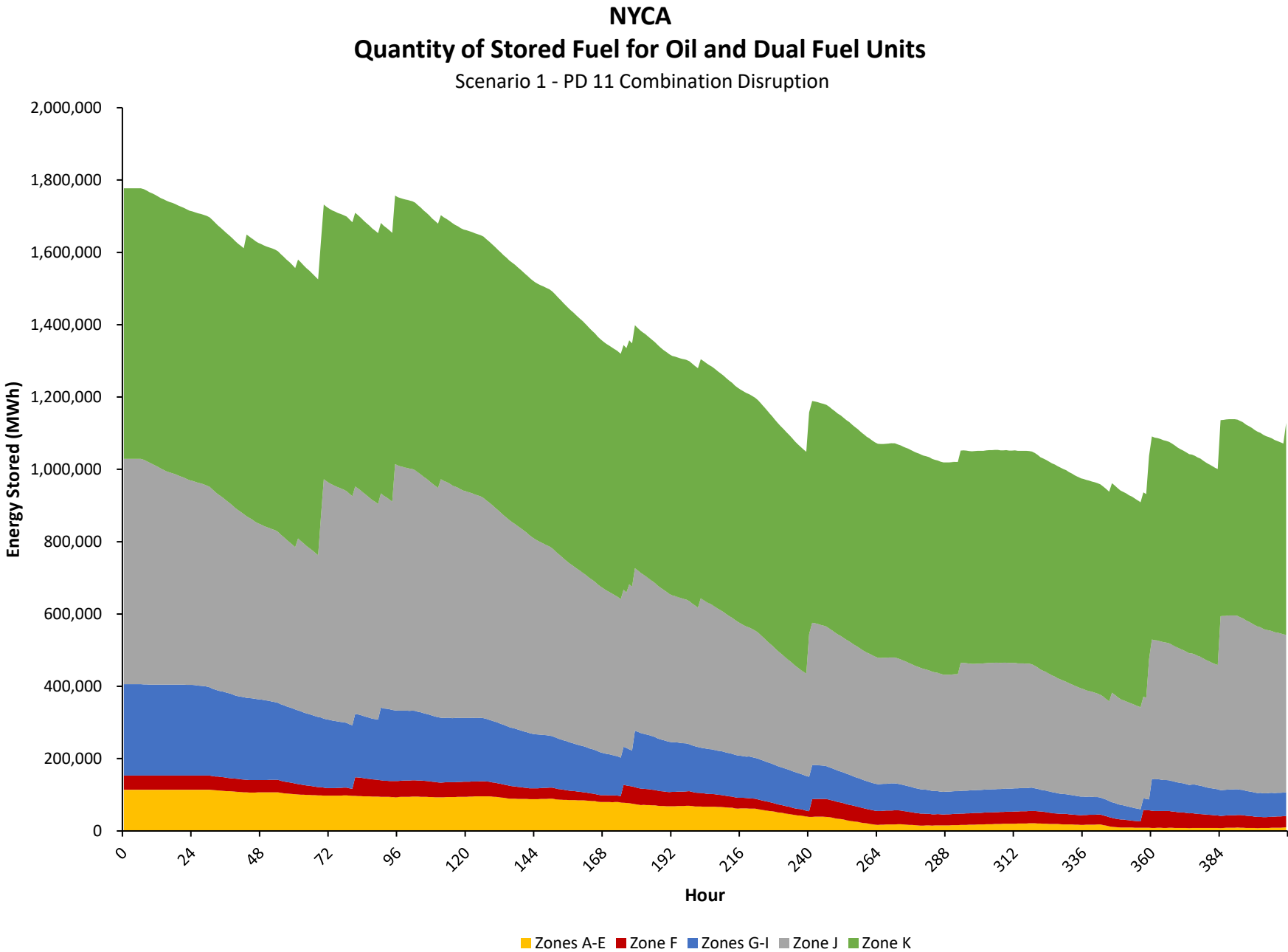




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 1 - PD 11 Combination Disruption

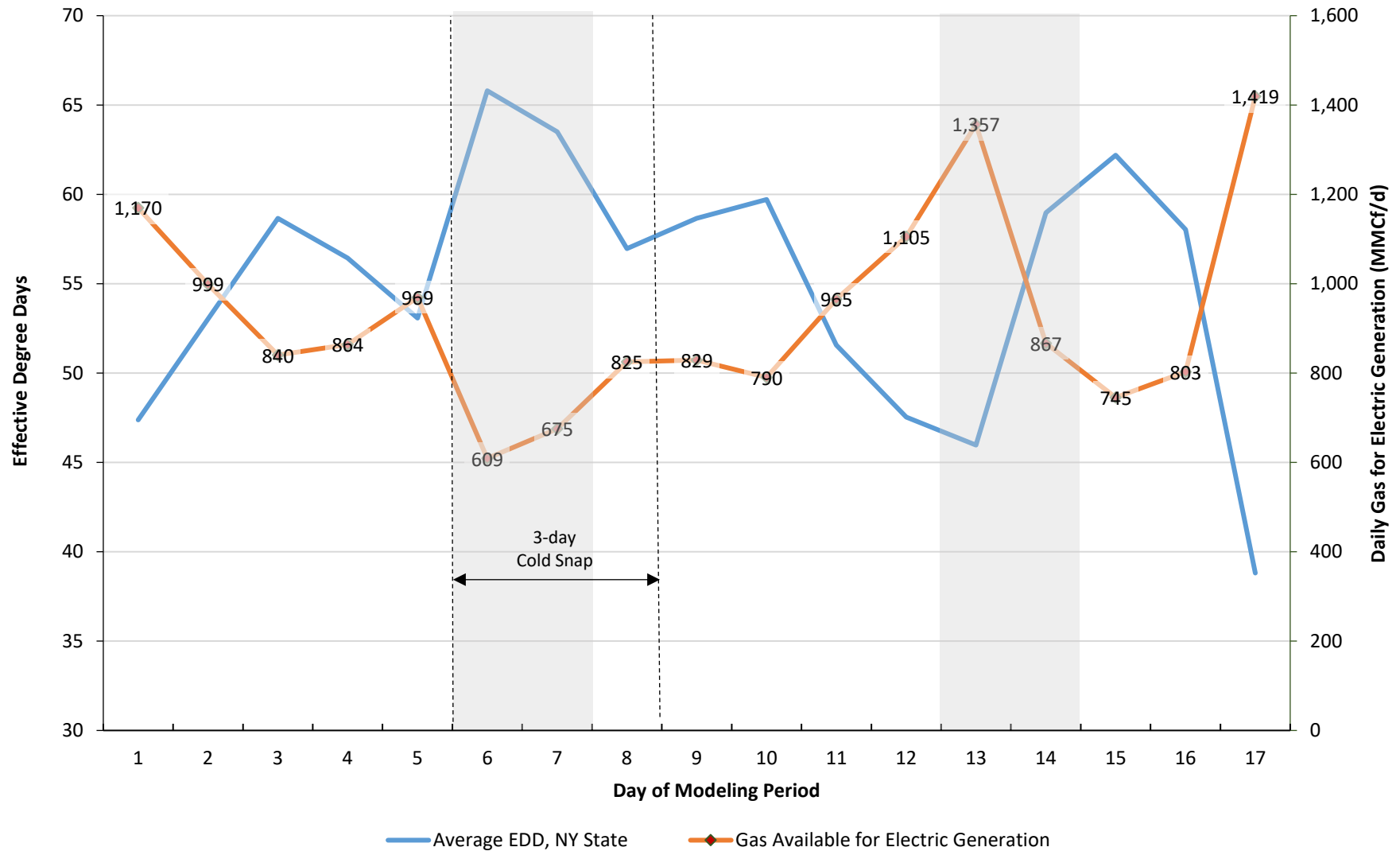






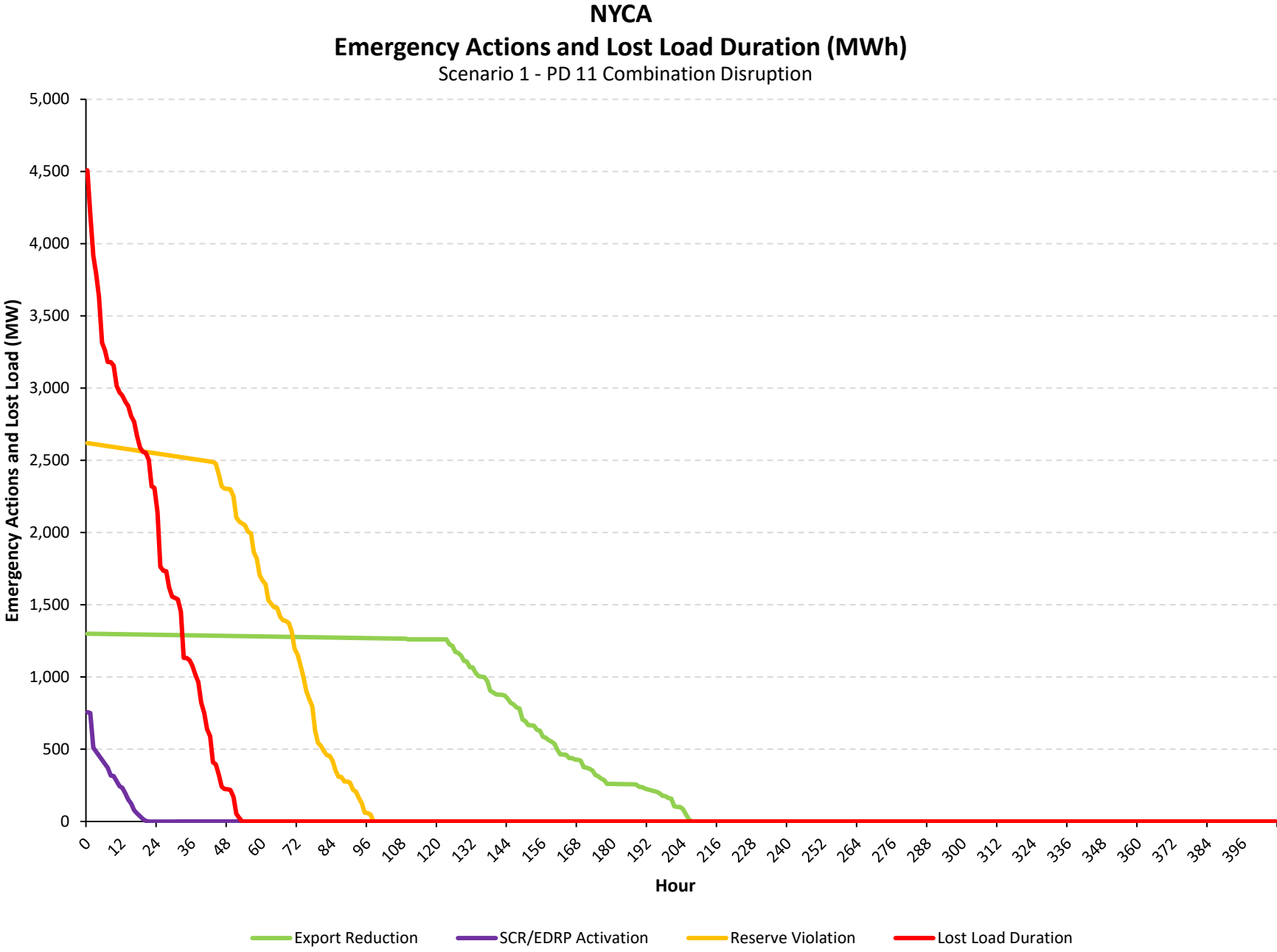
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

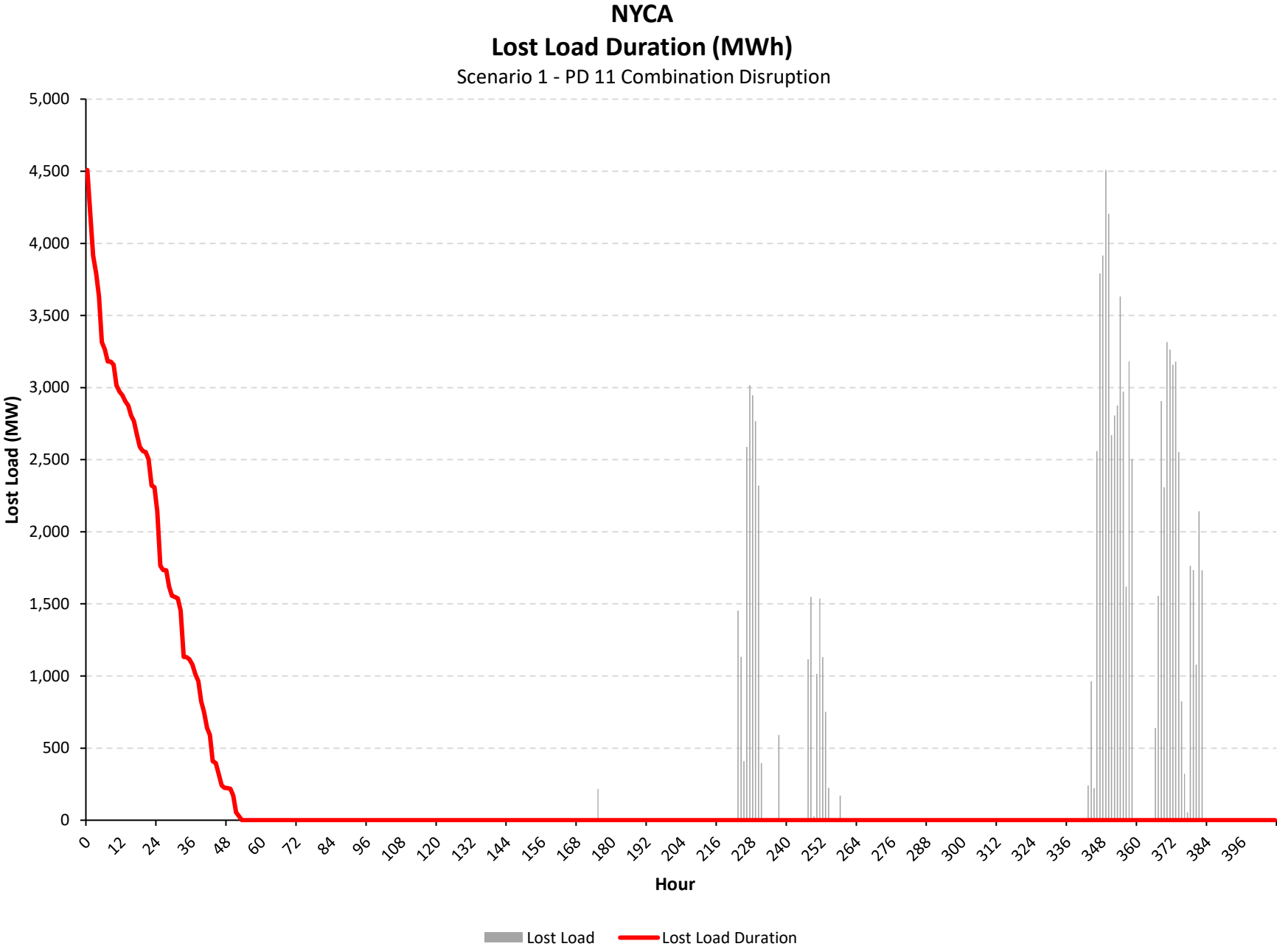
Scenario 1 - PD 11 Combination Disruption



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



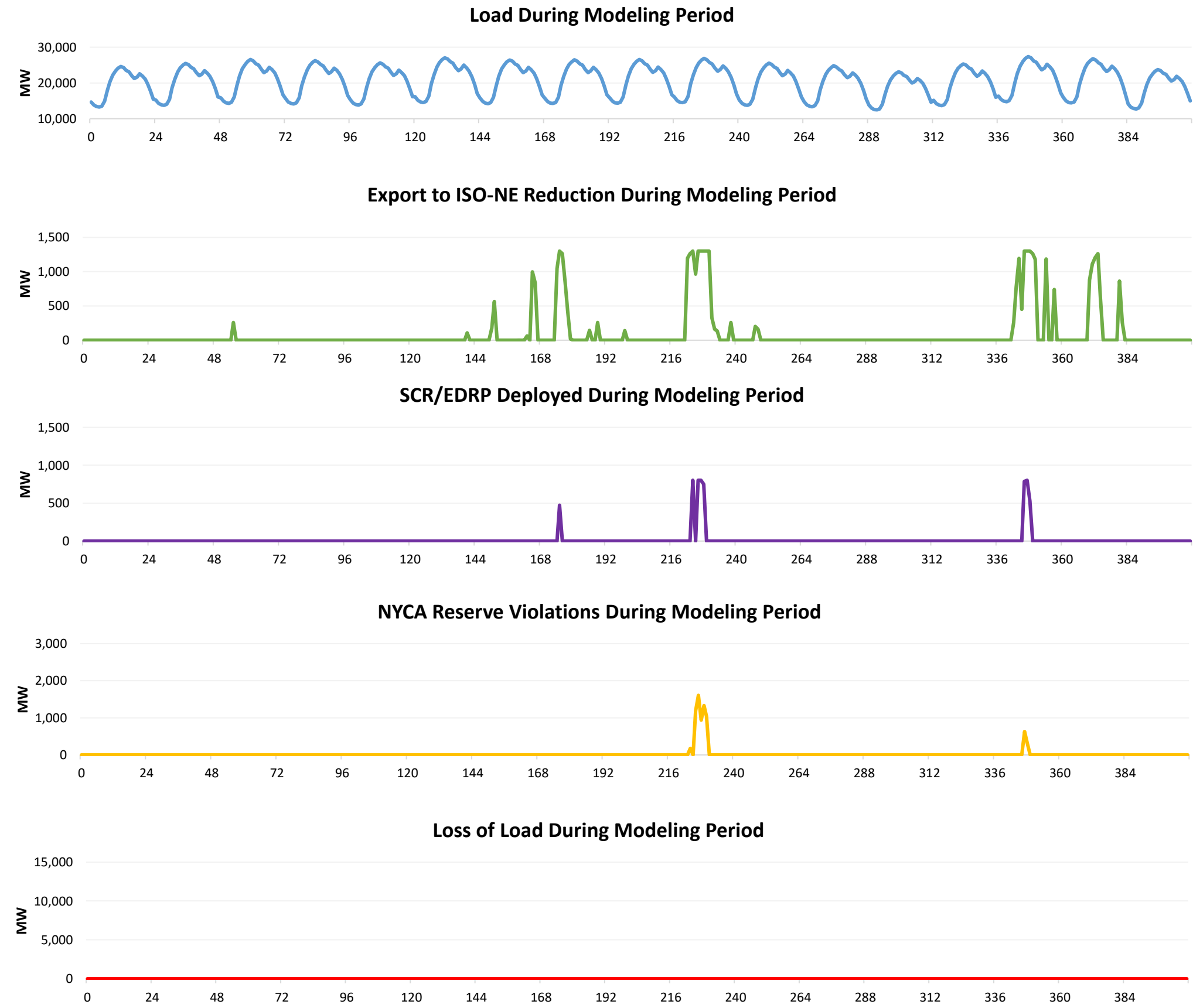


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 1 No Disruptions



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 50     |
| Total MWh         | 38,027 |
| Avg. MW           | 93.2   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 8     |
| Total MWh      | 5,743 |
| Avg. MW        | 14.1  |

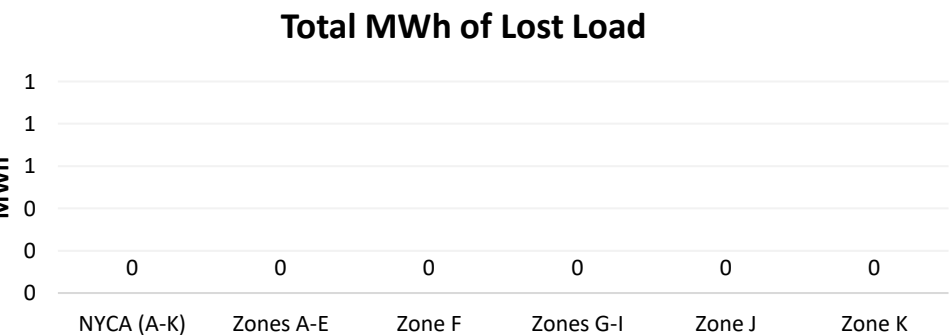
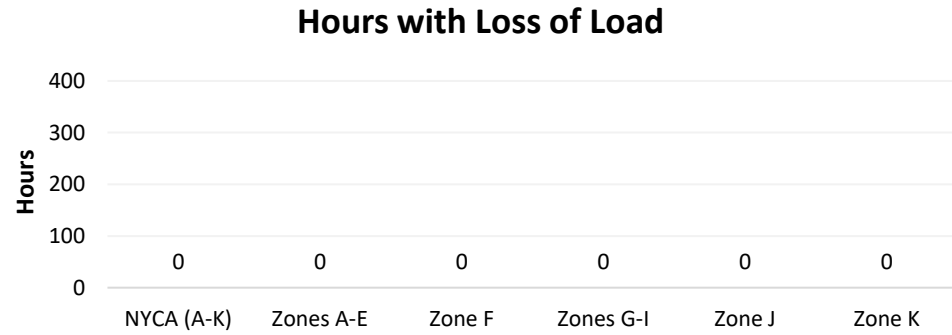
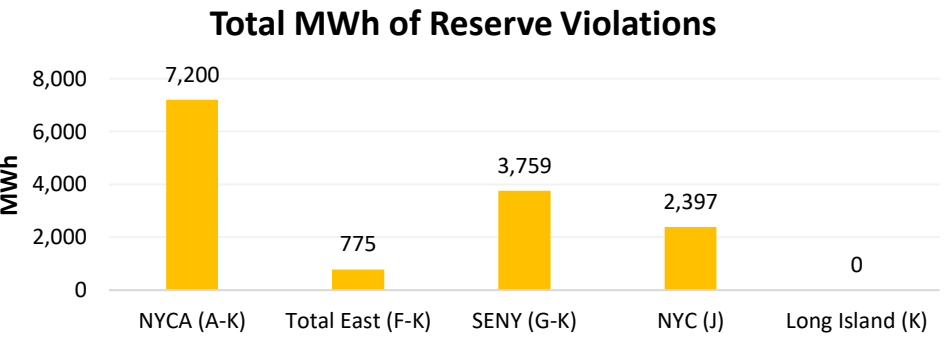
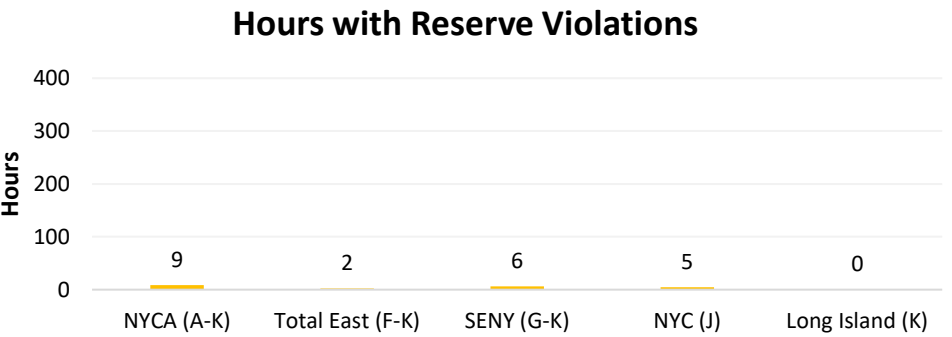
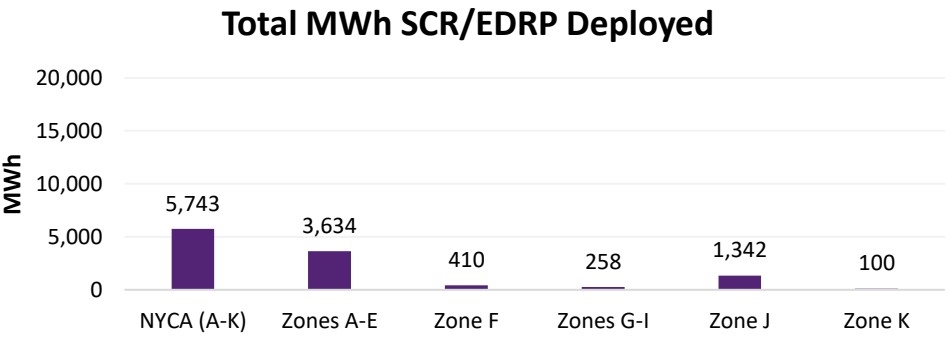
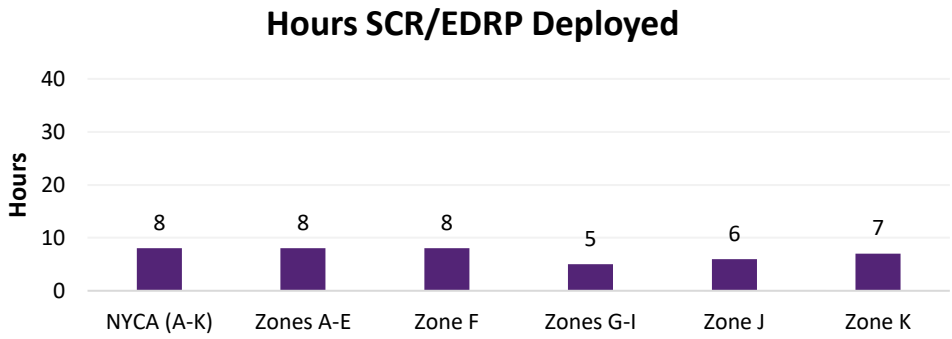
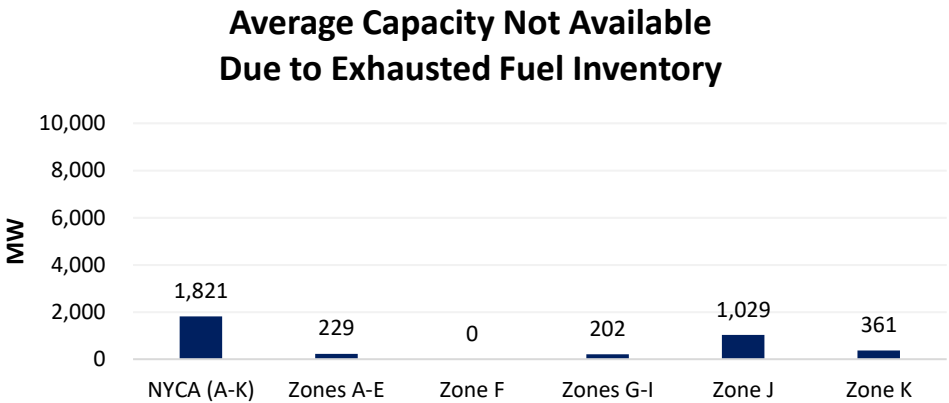
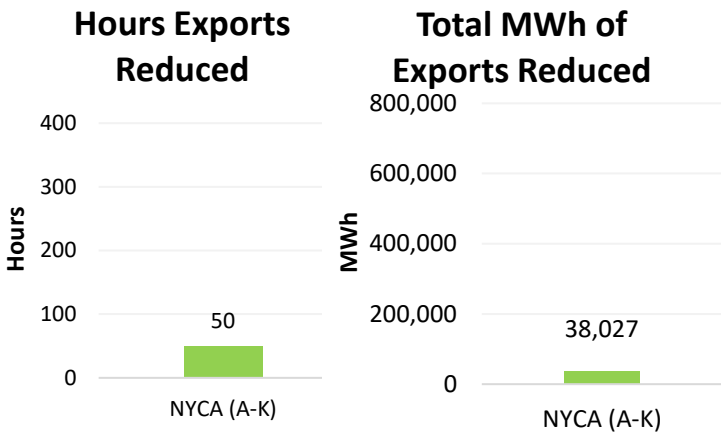
| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 9     |
| Total MWh             | 7,200 |
| Avg. MW               | 17.6  |
| First Hour with Viol. | 224   |

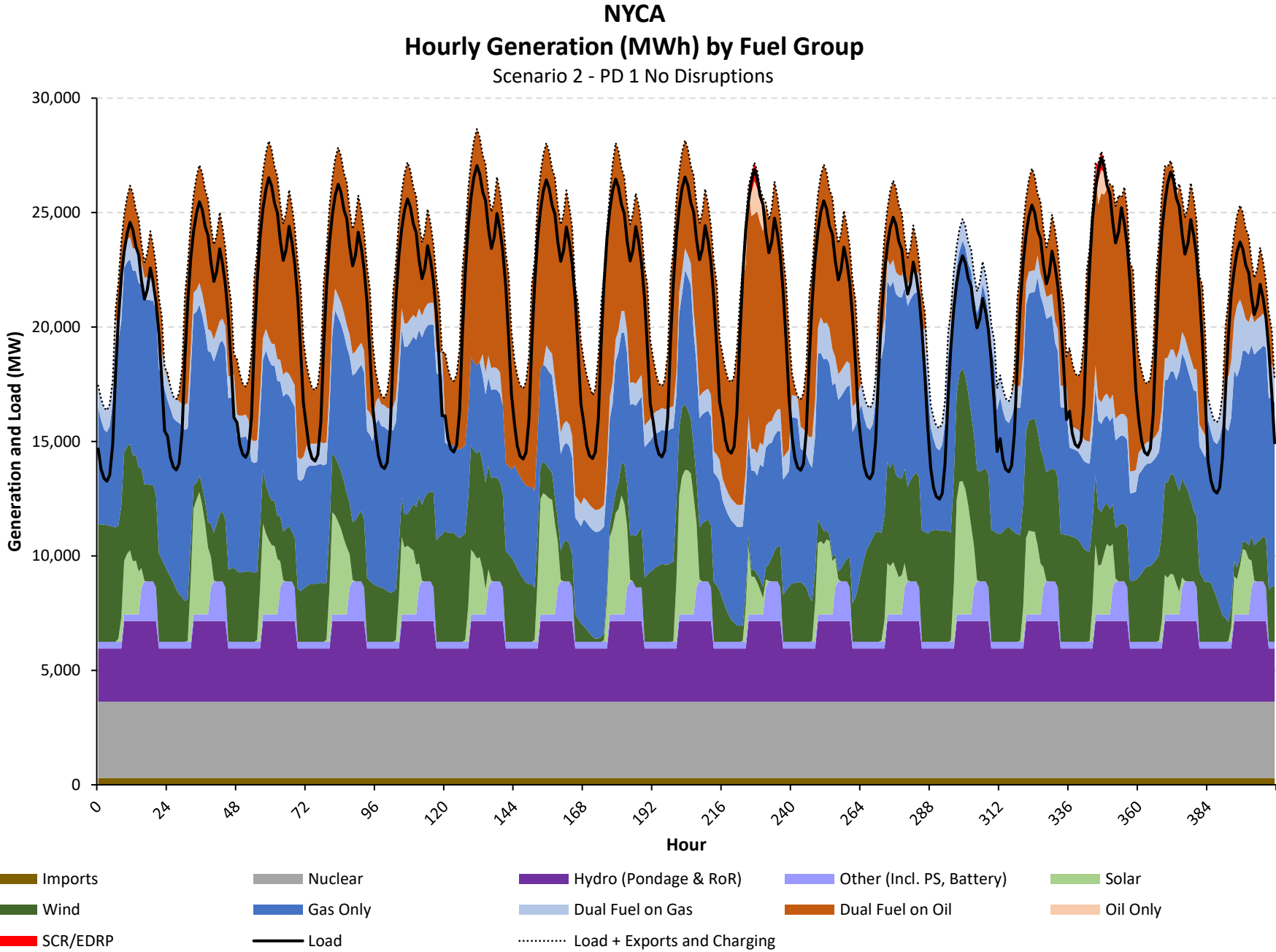
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

Full Period Results Summary

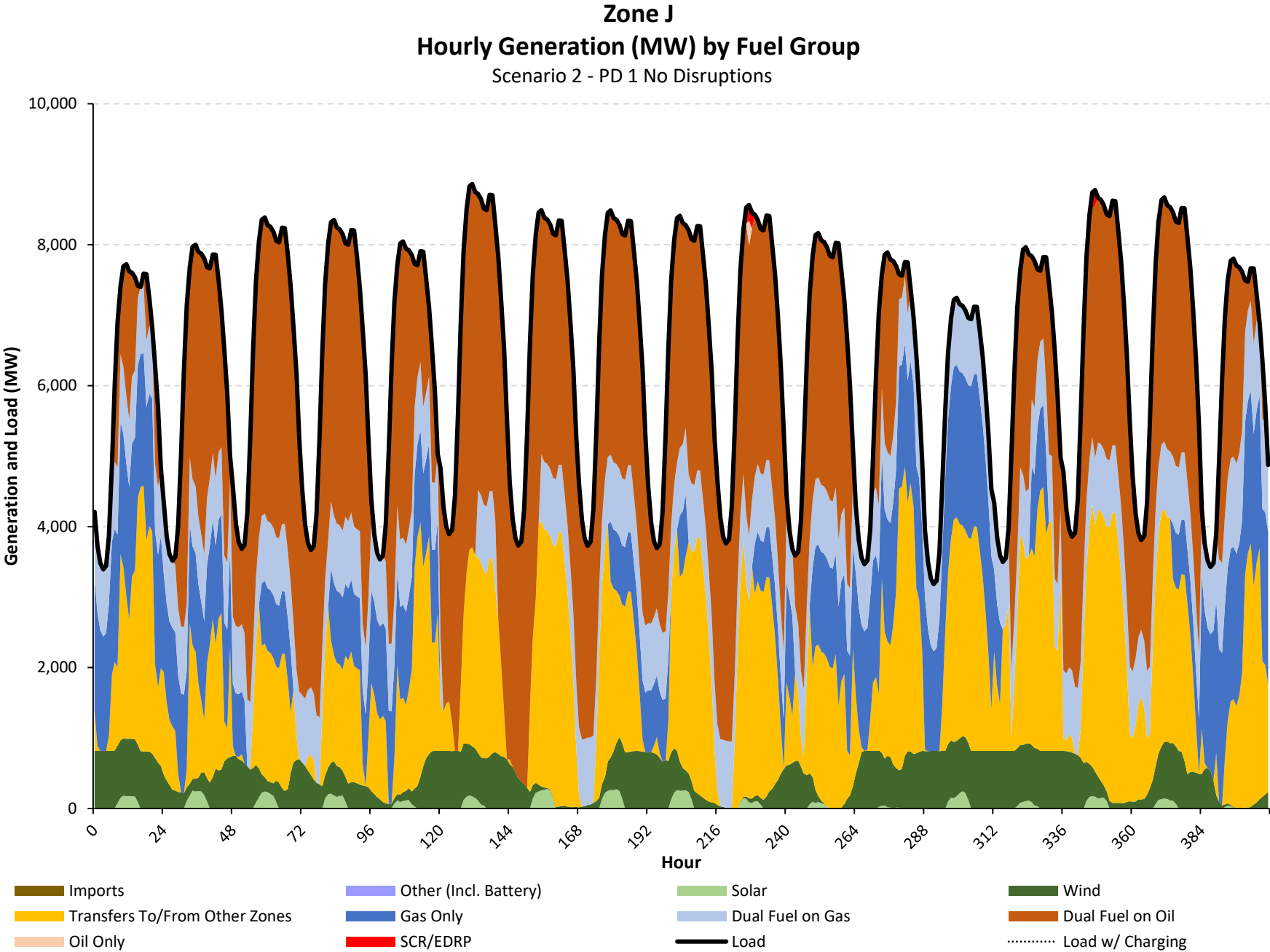
Case Name: Scenario 2 - PD 1 No Disruptions

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

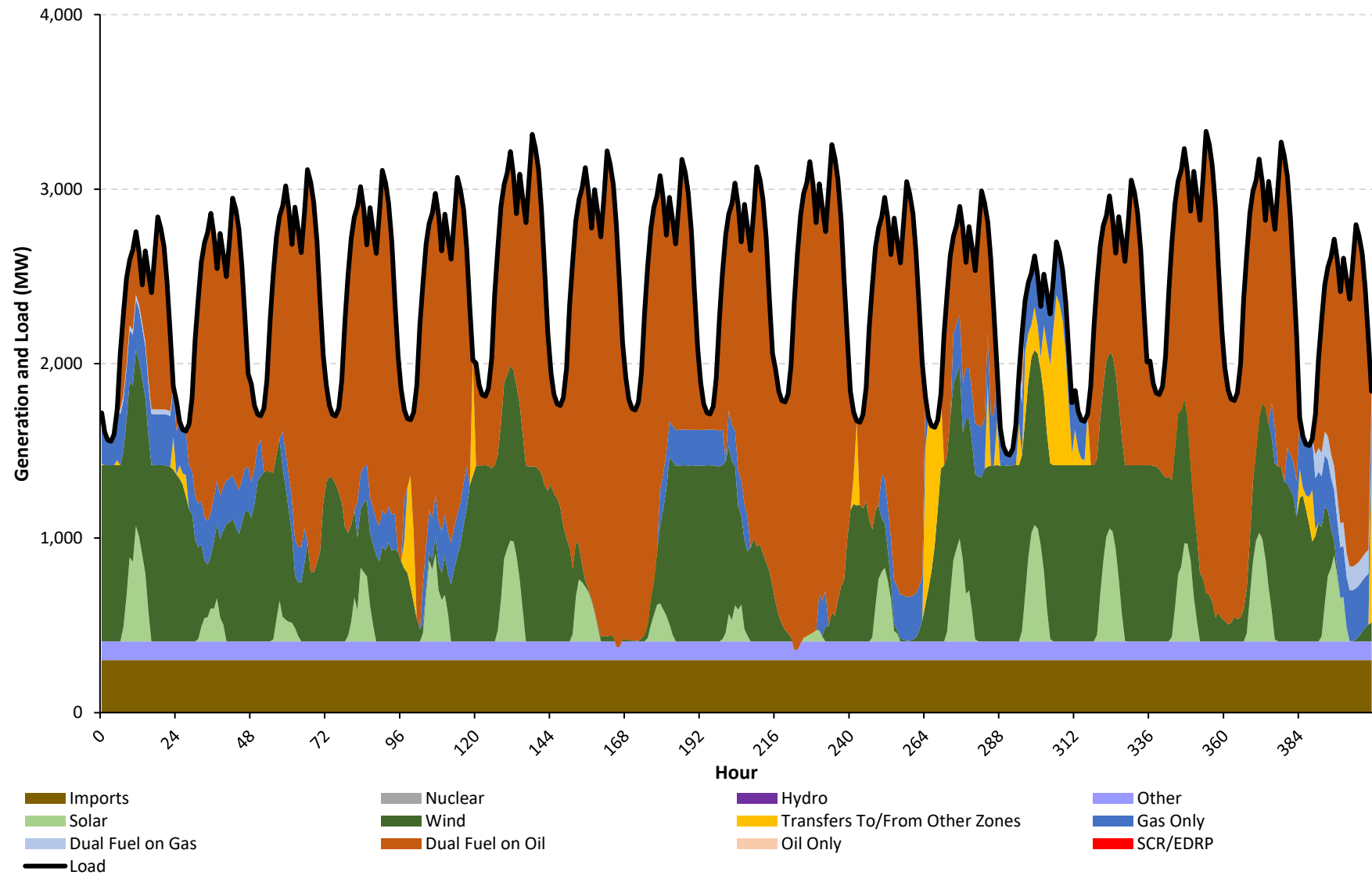


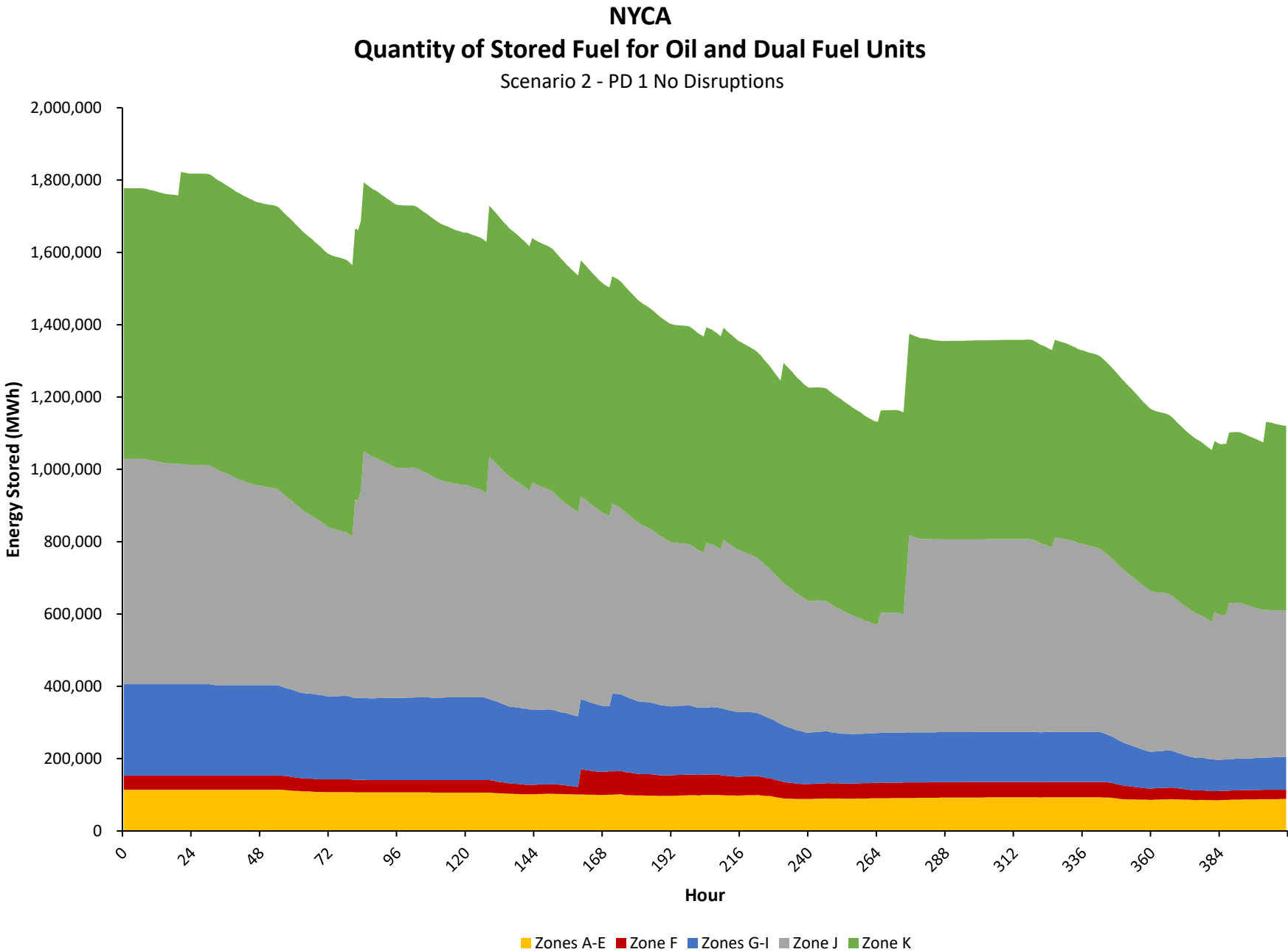


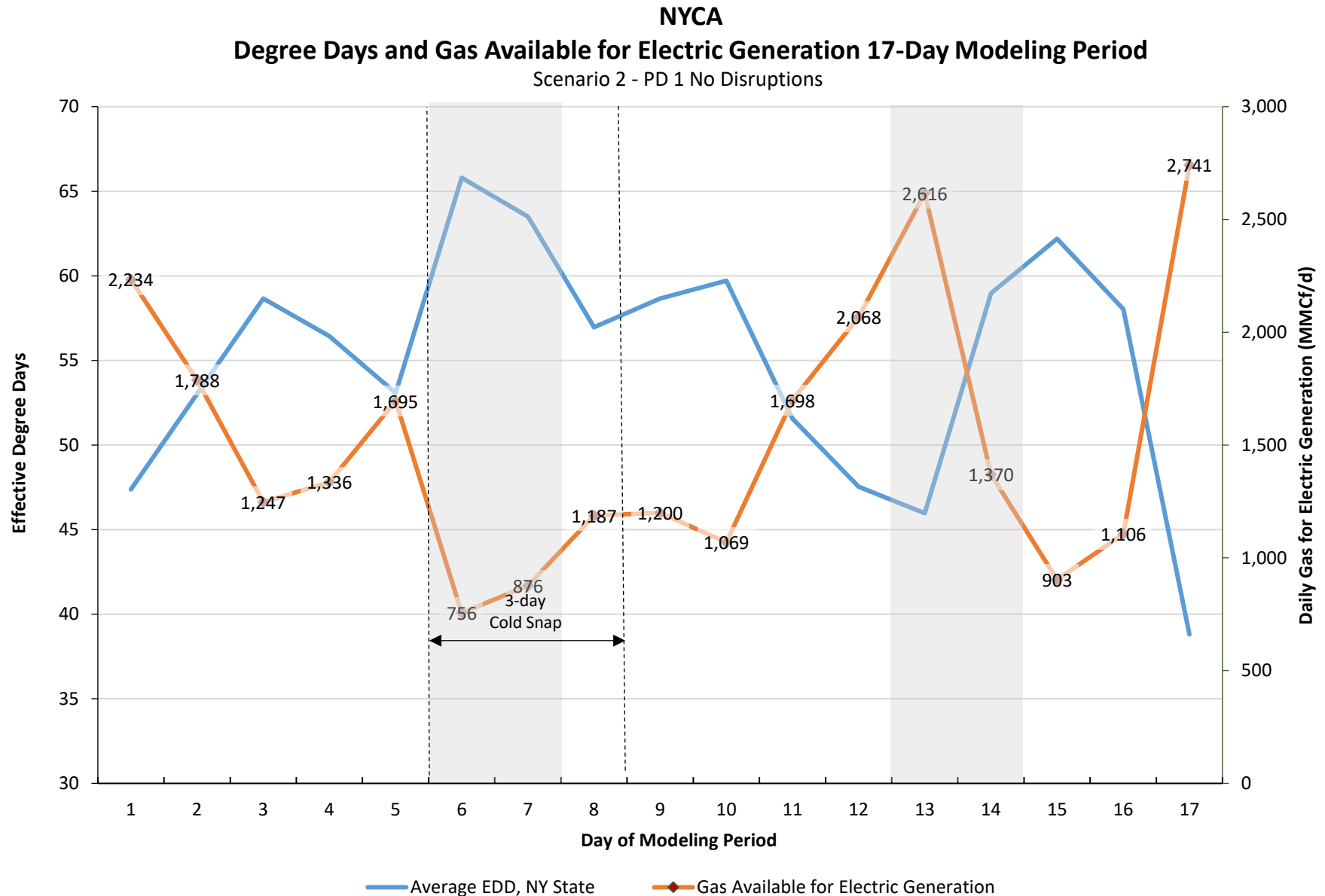




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 1 No Disruptions

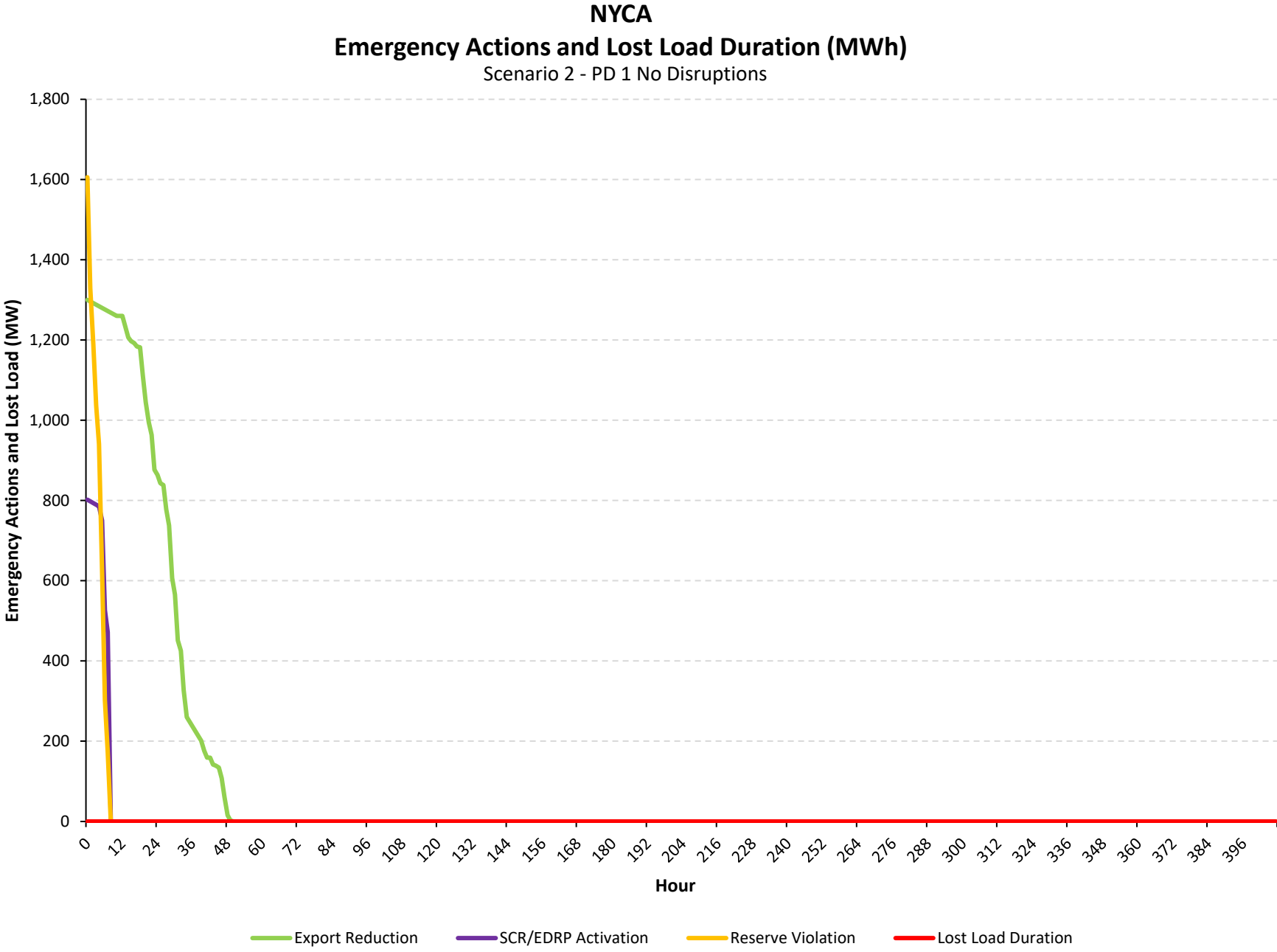


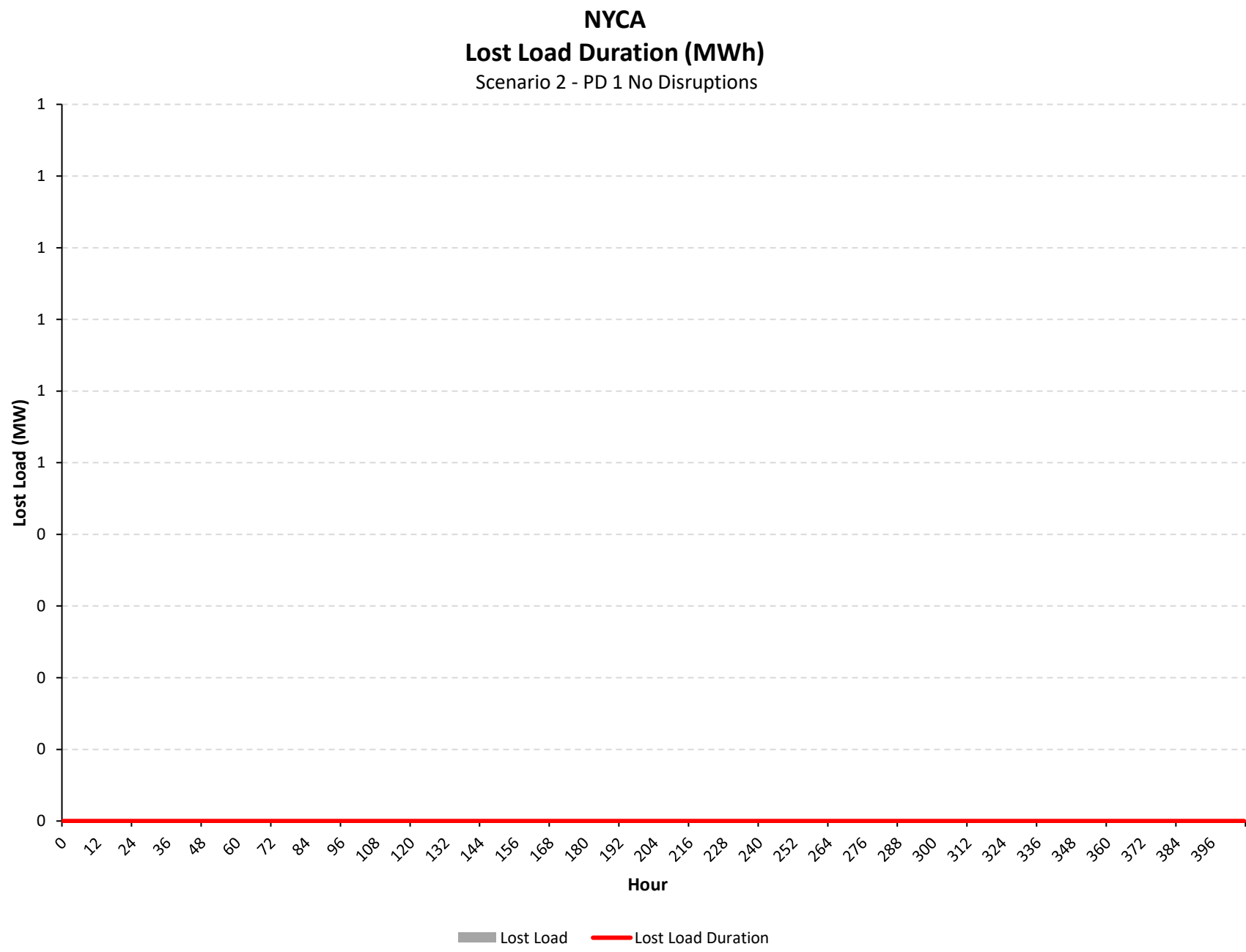




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



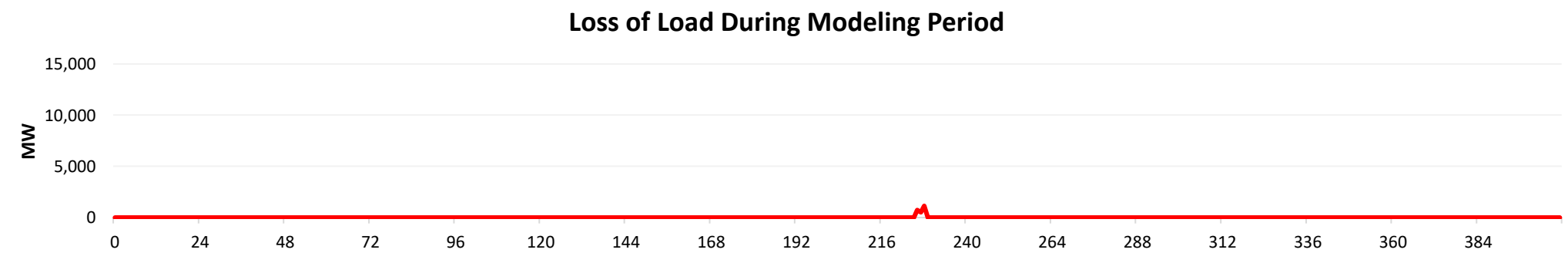
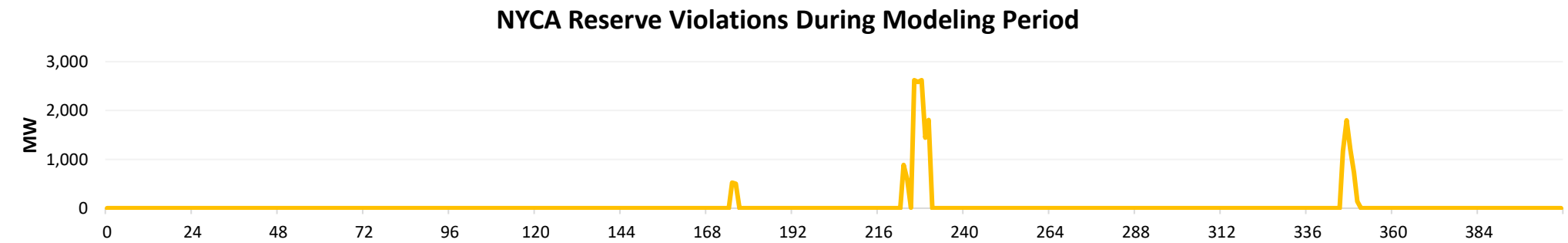
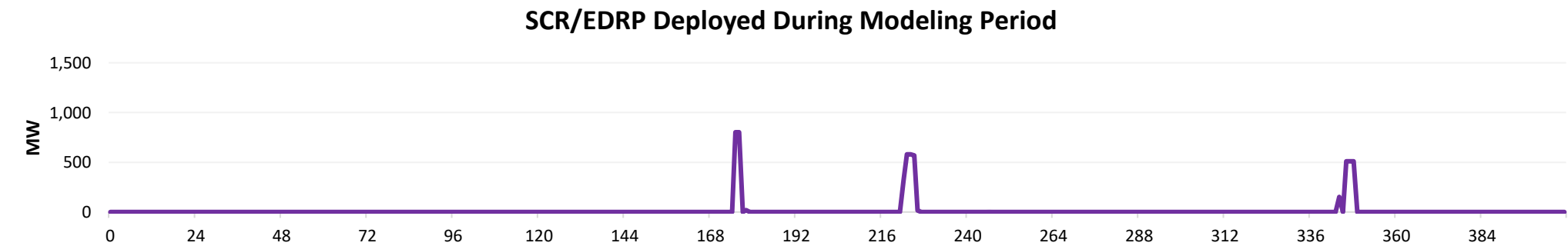
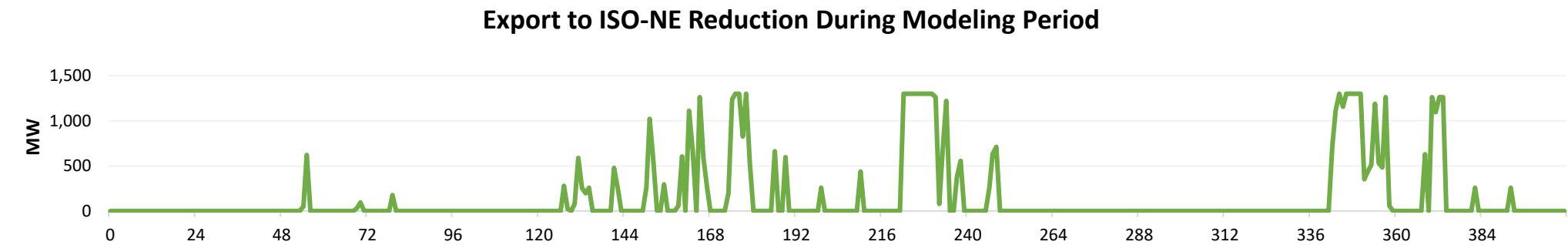
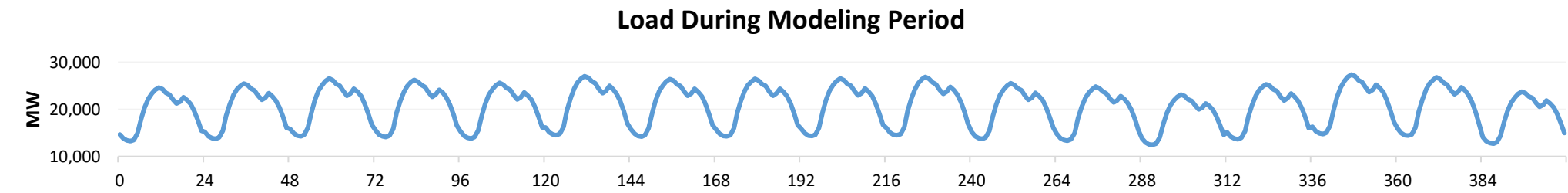


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 2 High Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 78     |
| Total MWh         | 57,799 |
| Avg. MW           | 141.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 5,371 |
| Avg. MW        | 13.2  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 15     |
| Total MWh             | 18,609 |
| Avg. MW               | 45.6   |
| First Hour with Viol. | 175    |

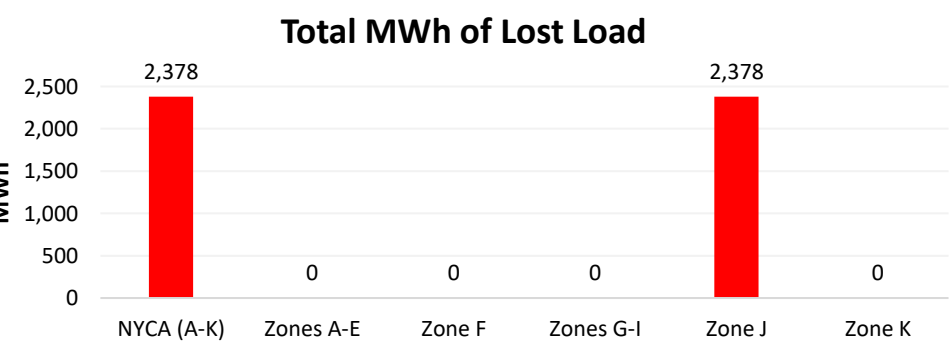
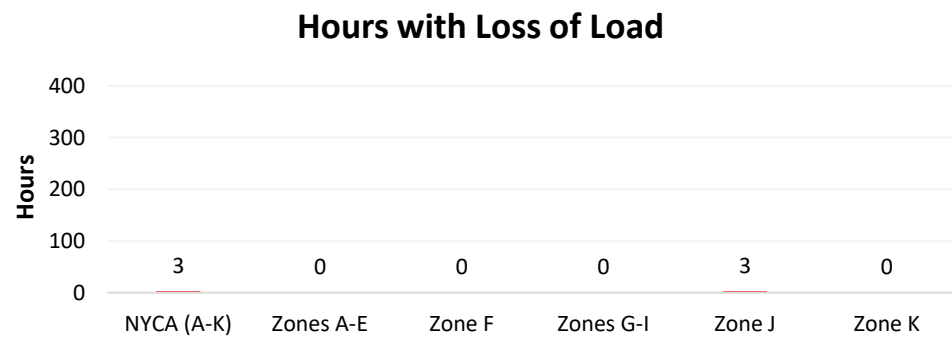
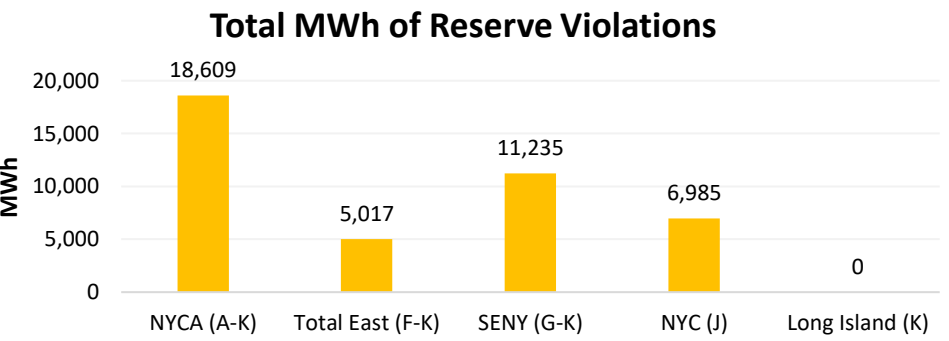
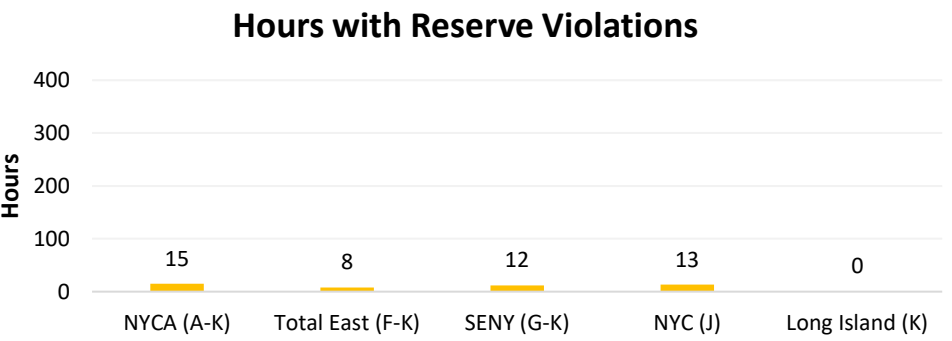
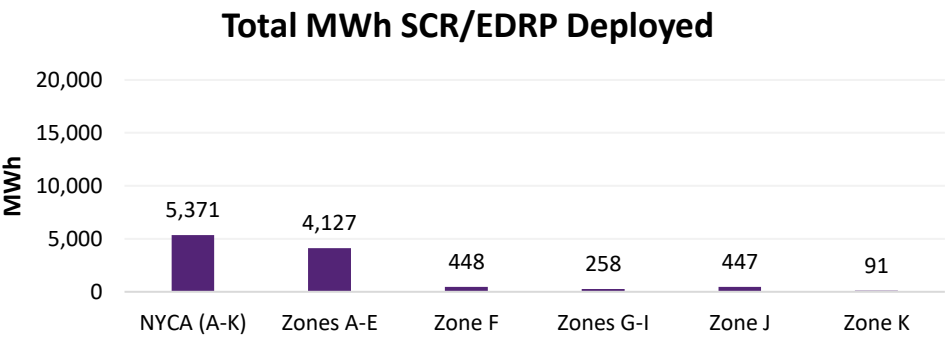
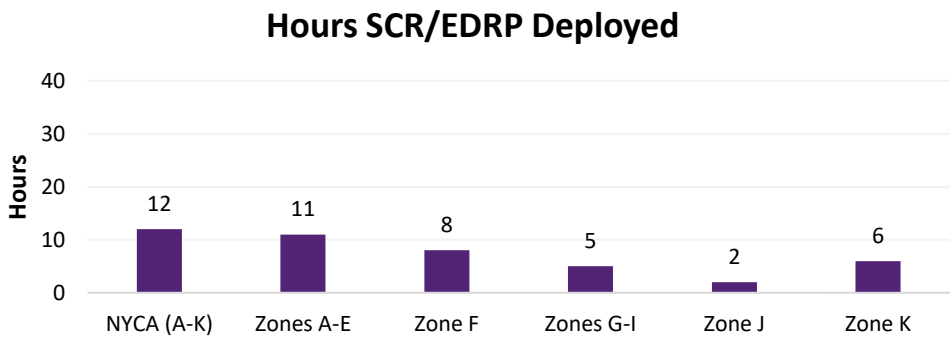
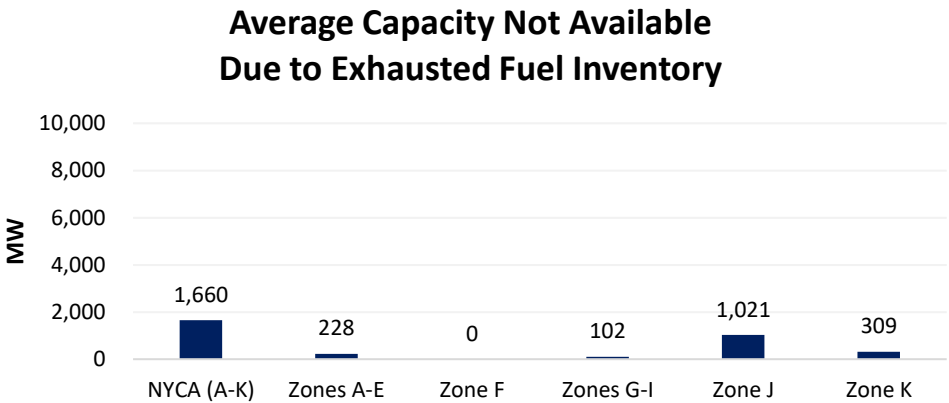
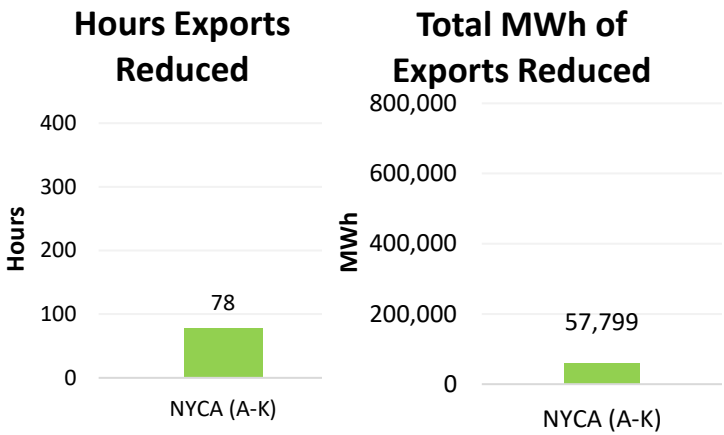
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 3     |
| Total MWh              | 2,378 |
| Avg. MW                | 5.8   |
| First Hour with Losses | 226   |

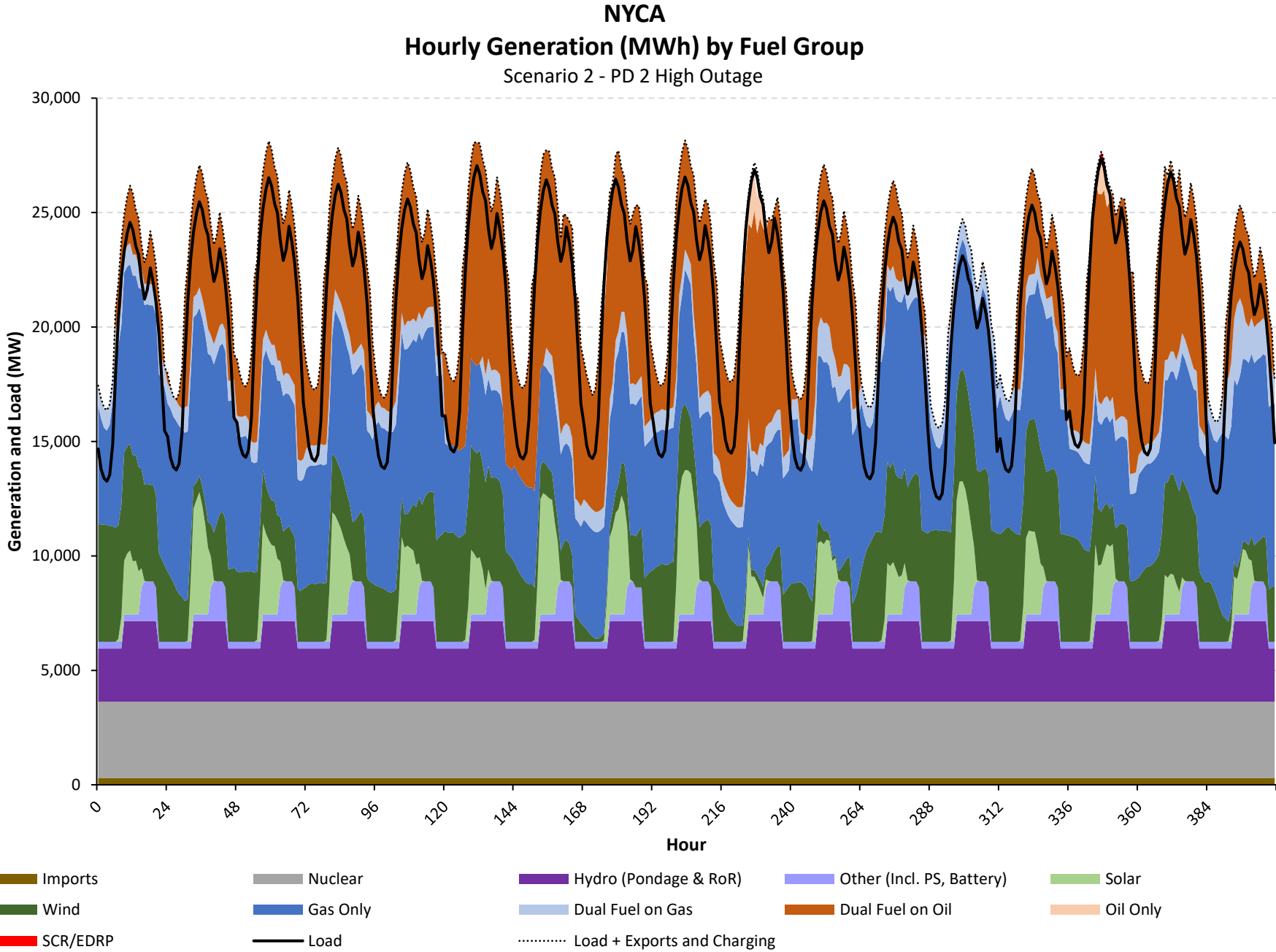


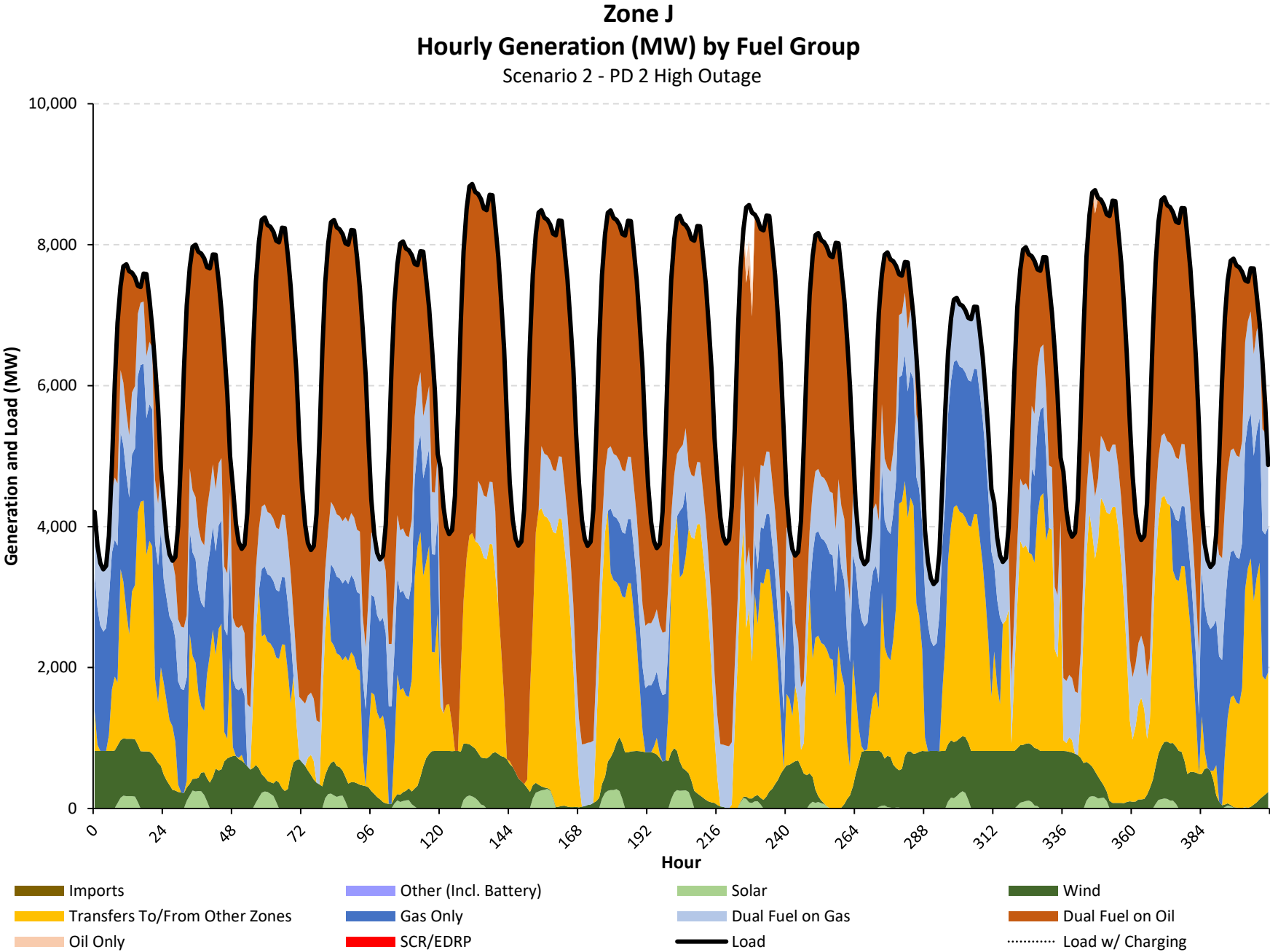
Full Period Results Summary

Case Name: Scenario 2 - PD 2 High Outage

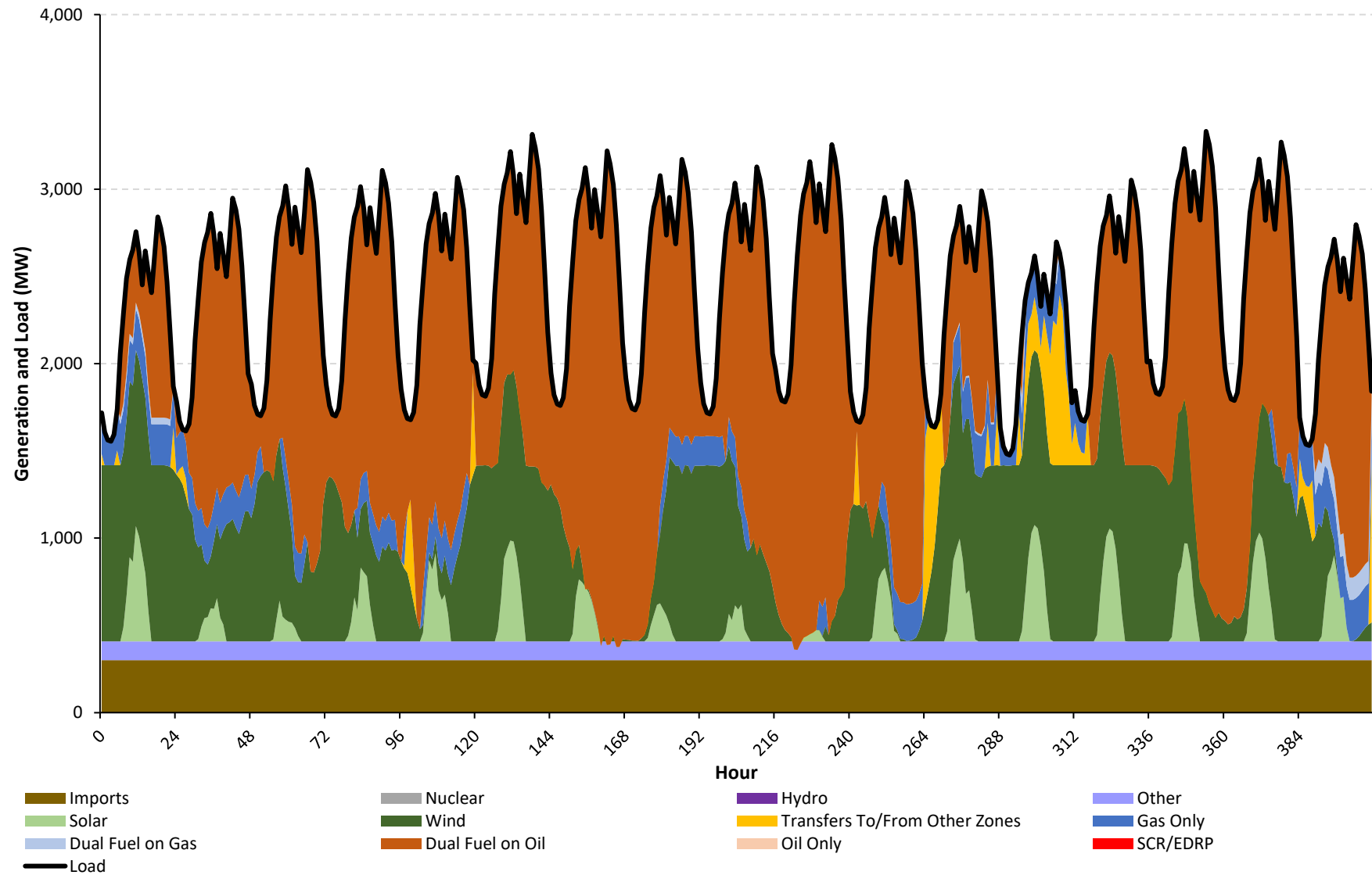
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

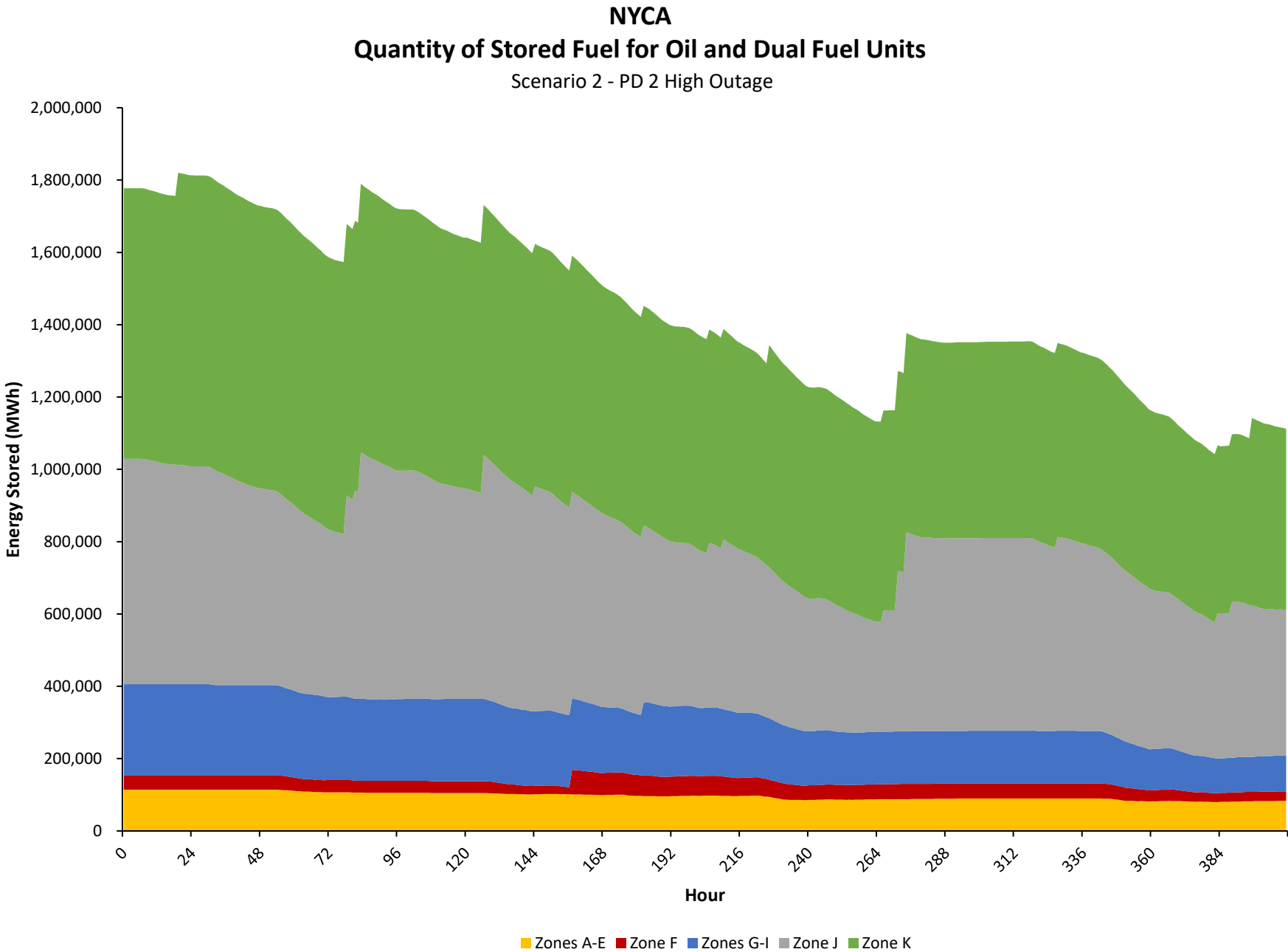


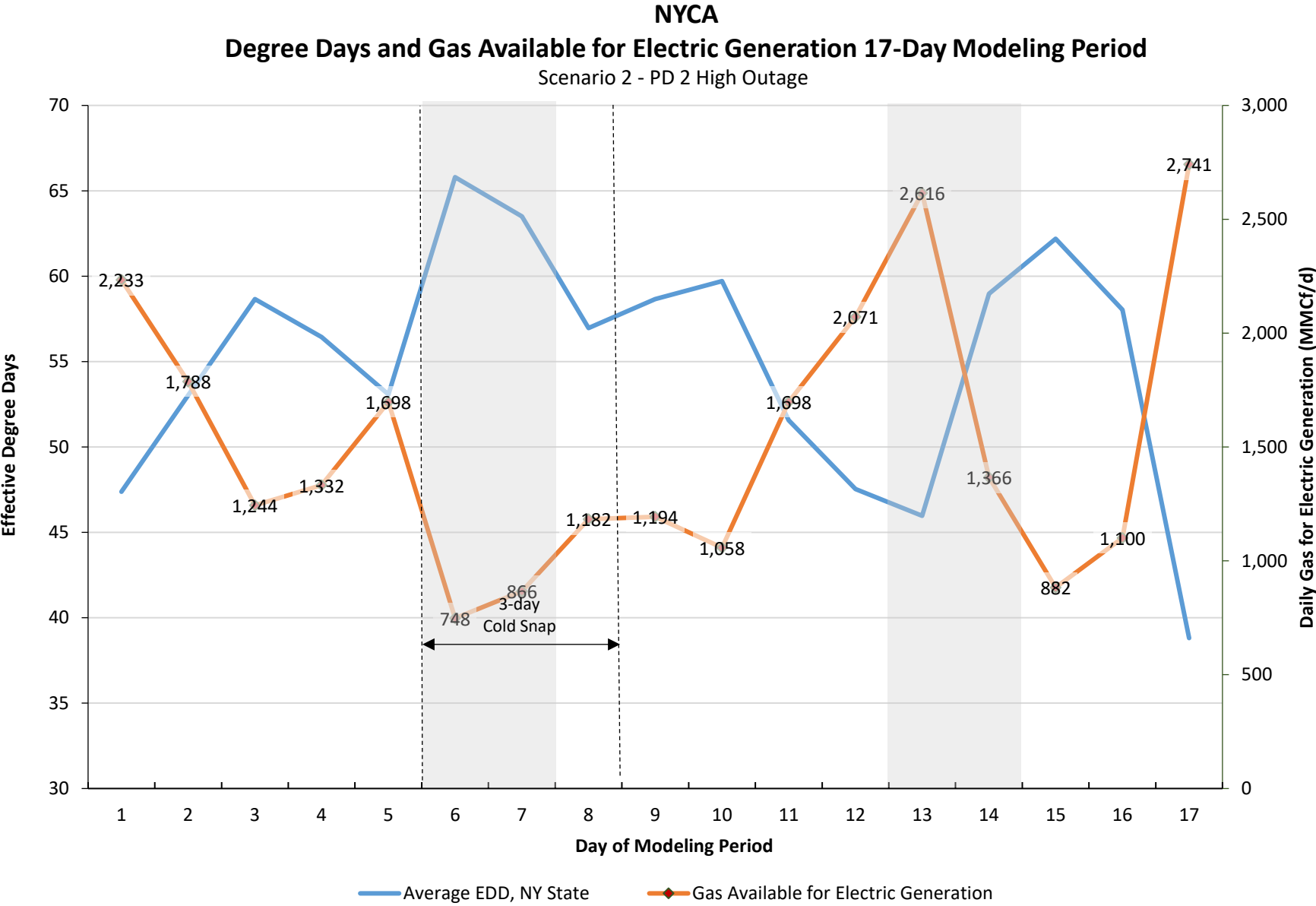




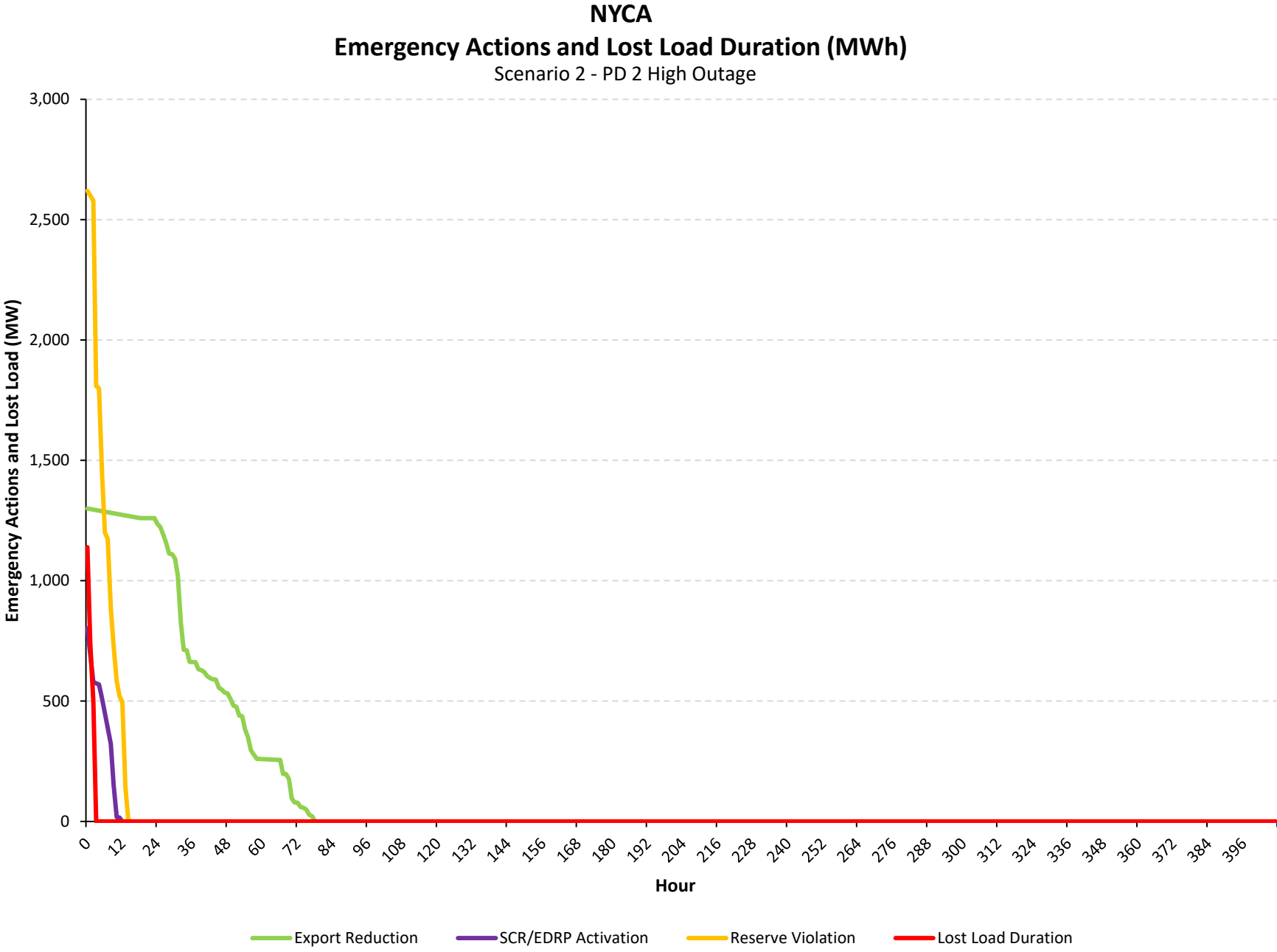
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 2 High Outage

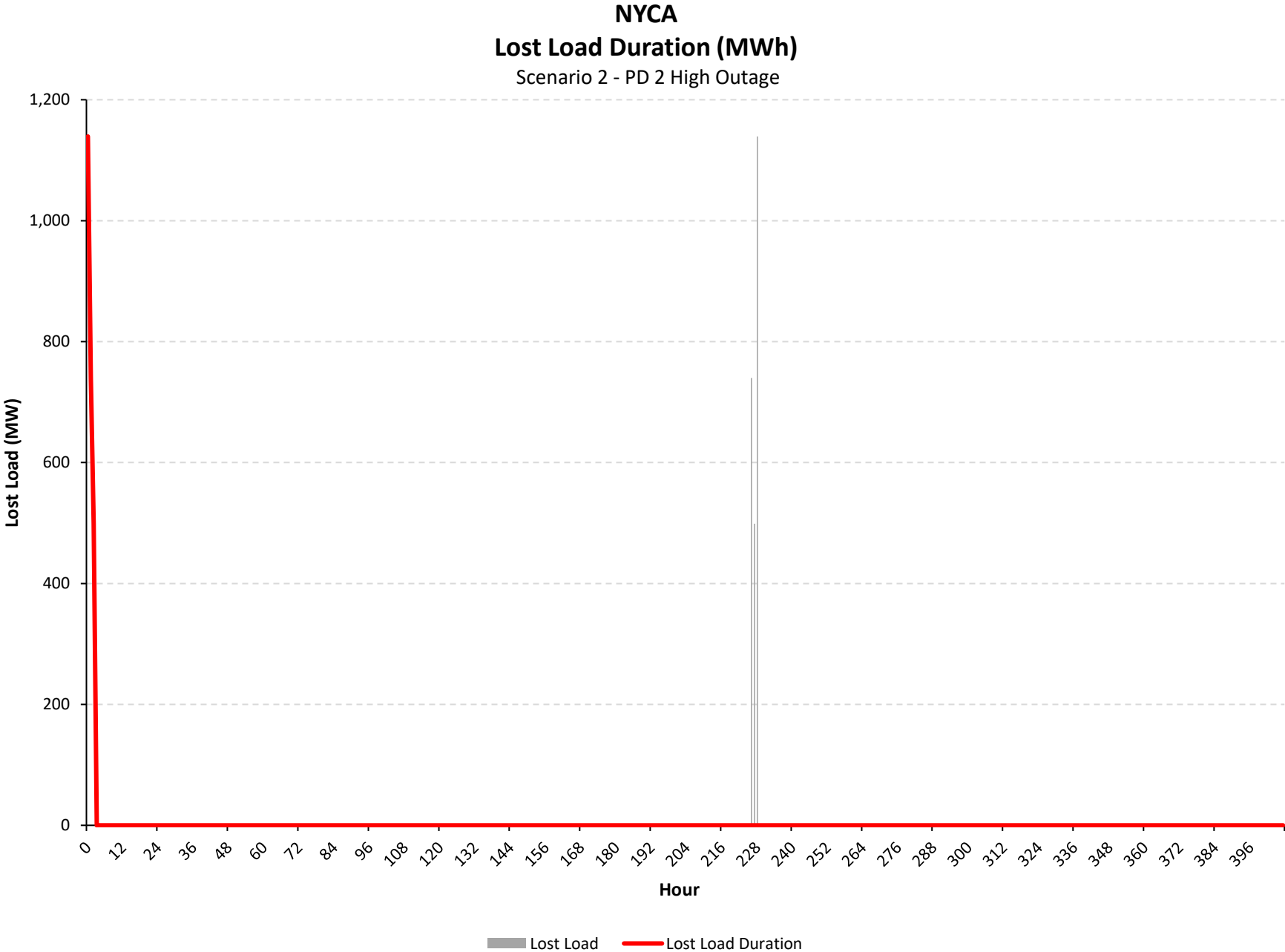






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





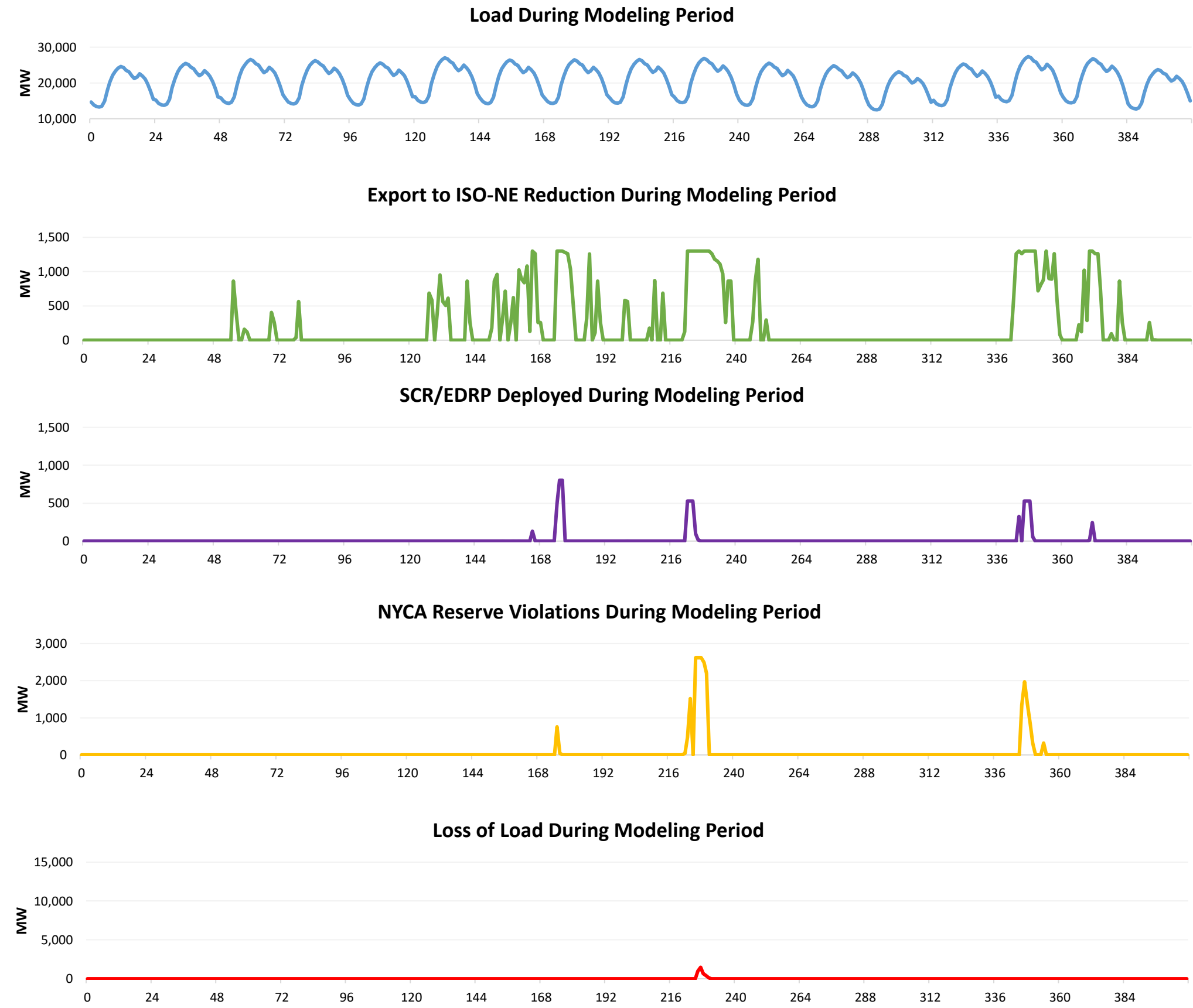


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 3 SENY Deactivation



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | Net Zero   |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 105    |
| Total MWh         | 82,291 |
| Avg. MW           | 201.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,139 |
| Avg. MW        | 15.0  |

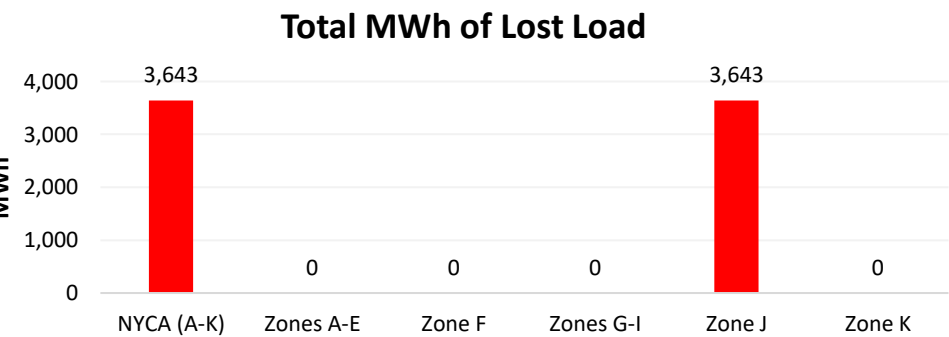
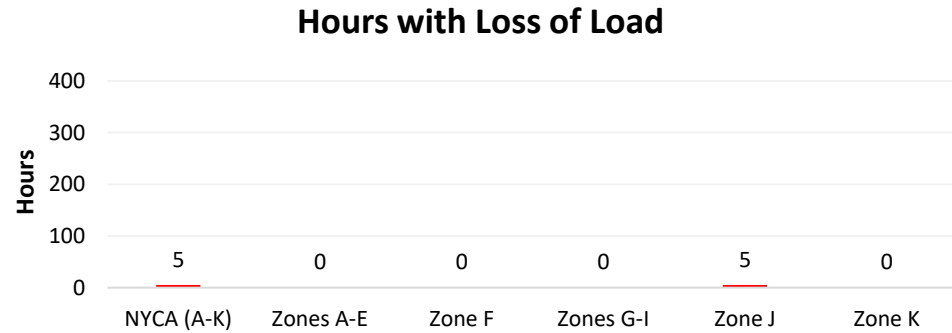
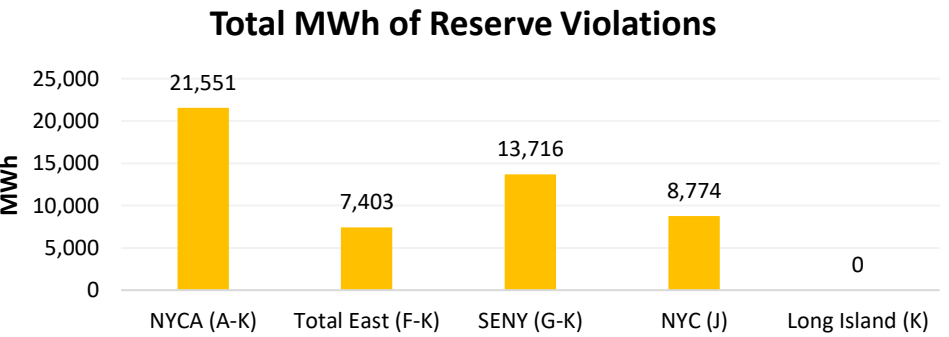
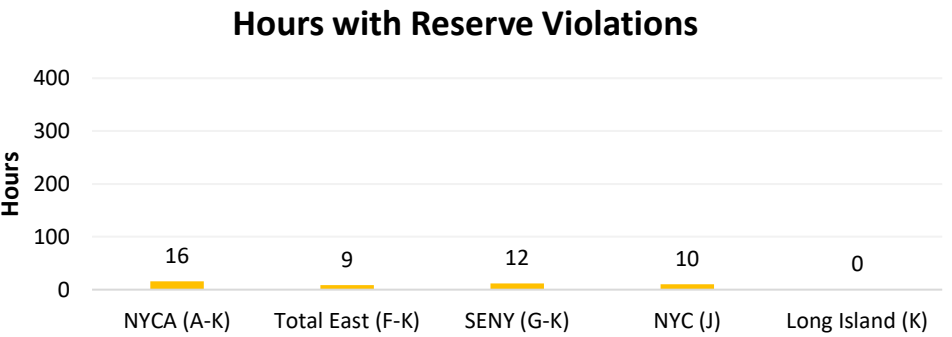
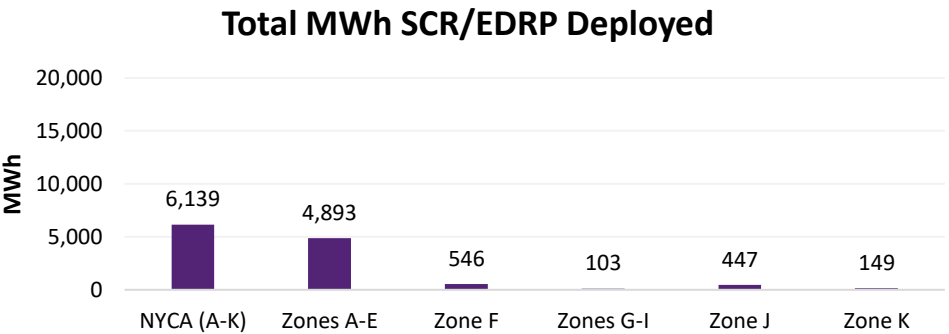
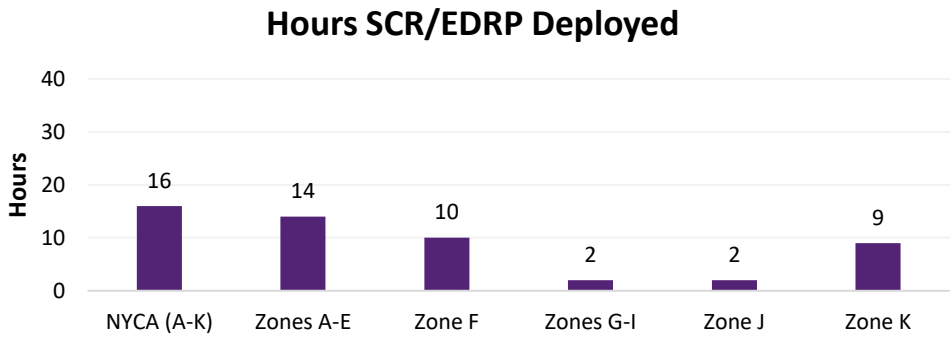
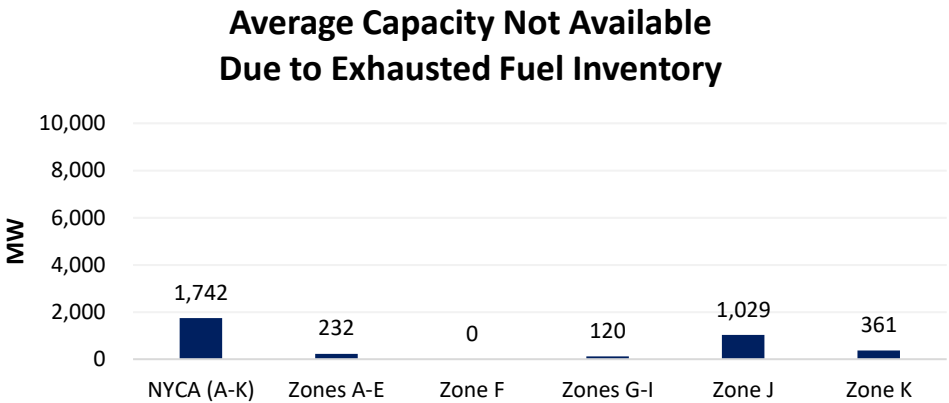
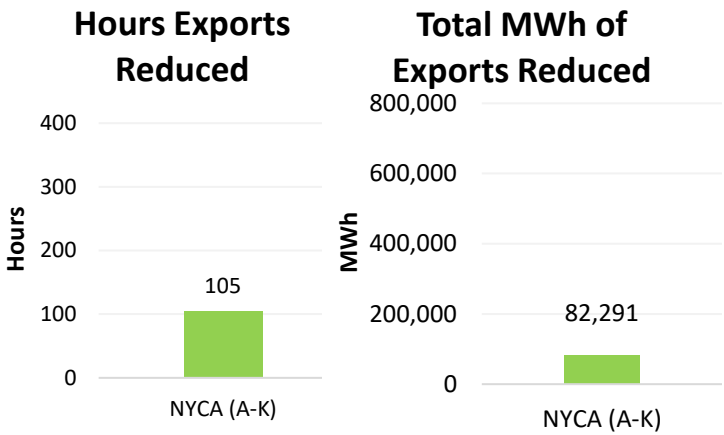
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 16     |
| Total MWh             | 21,551 |
| Avg. MW               | 52.8   |
| First Hour with Viol. | 175    |

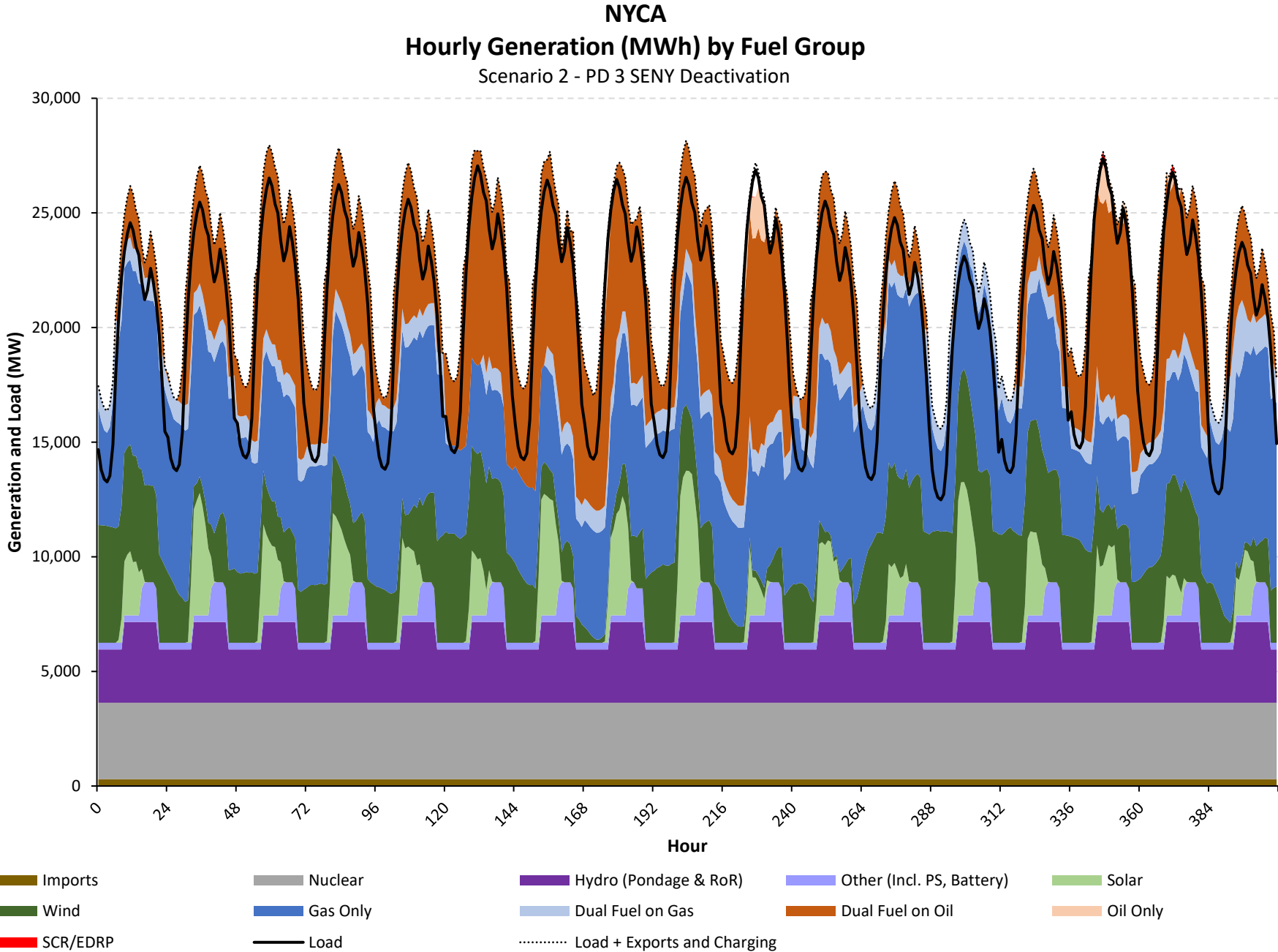
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 5     |
| Total MWh              | 3,643 |
| Avg. MW                | 8.9   |
| First Hour with Losses | 226   |

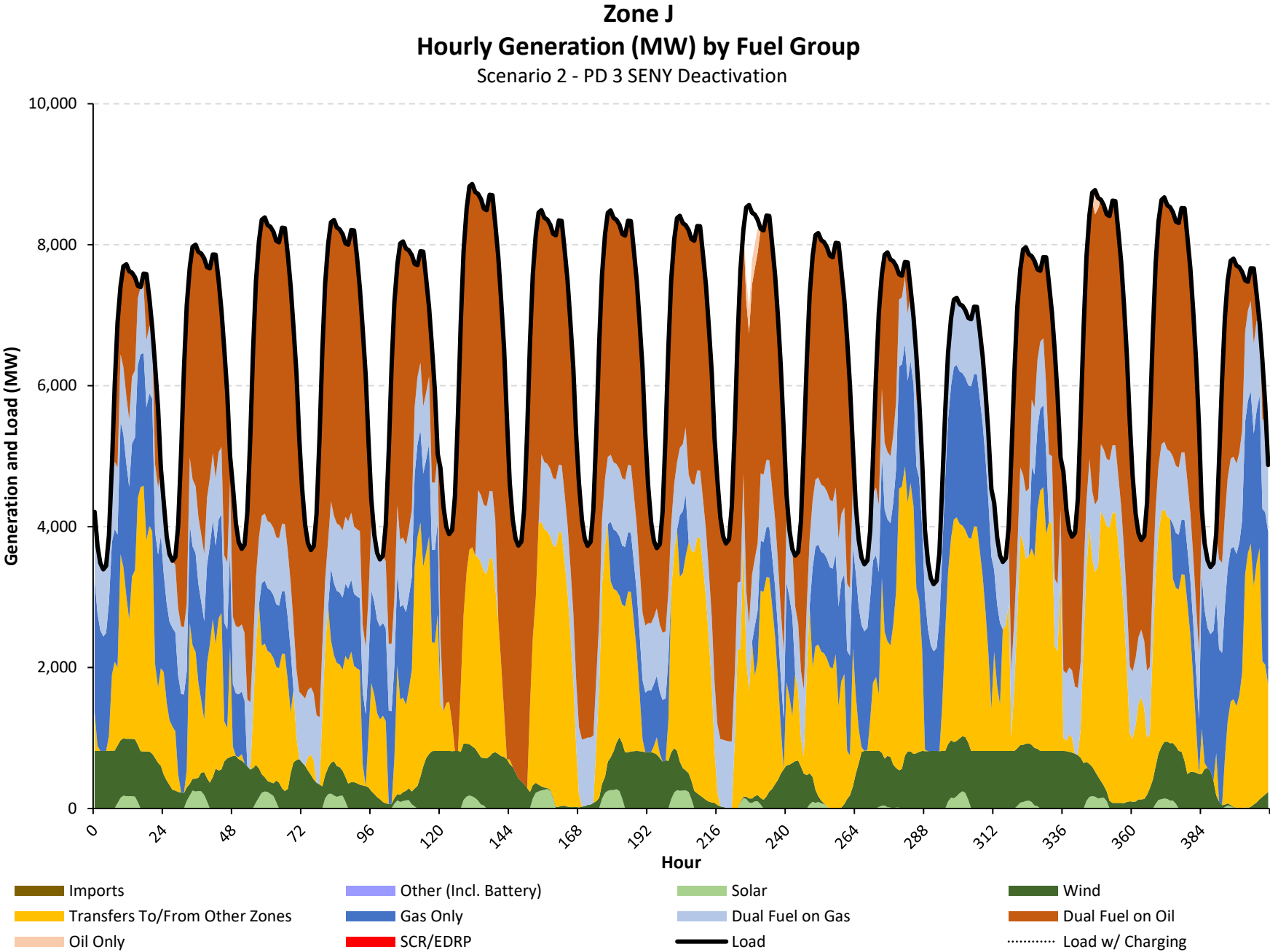
Full Period Results Summary

Case Name: Scenario 2 - PD 3 SENY Deactivation

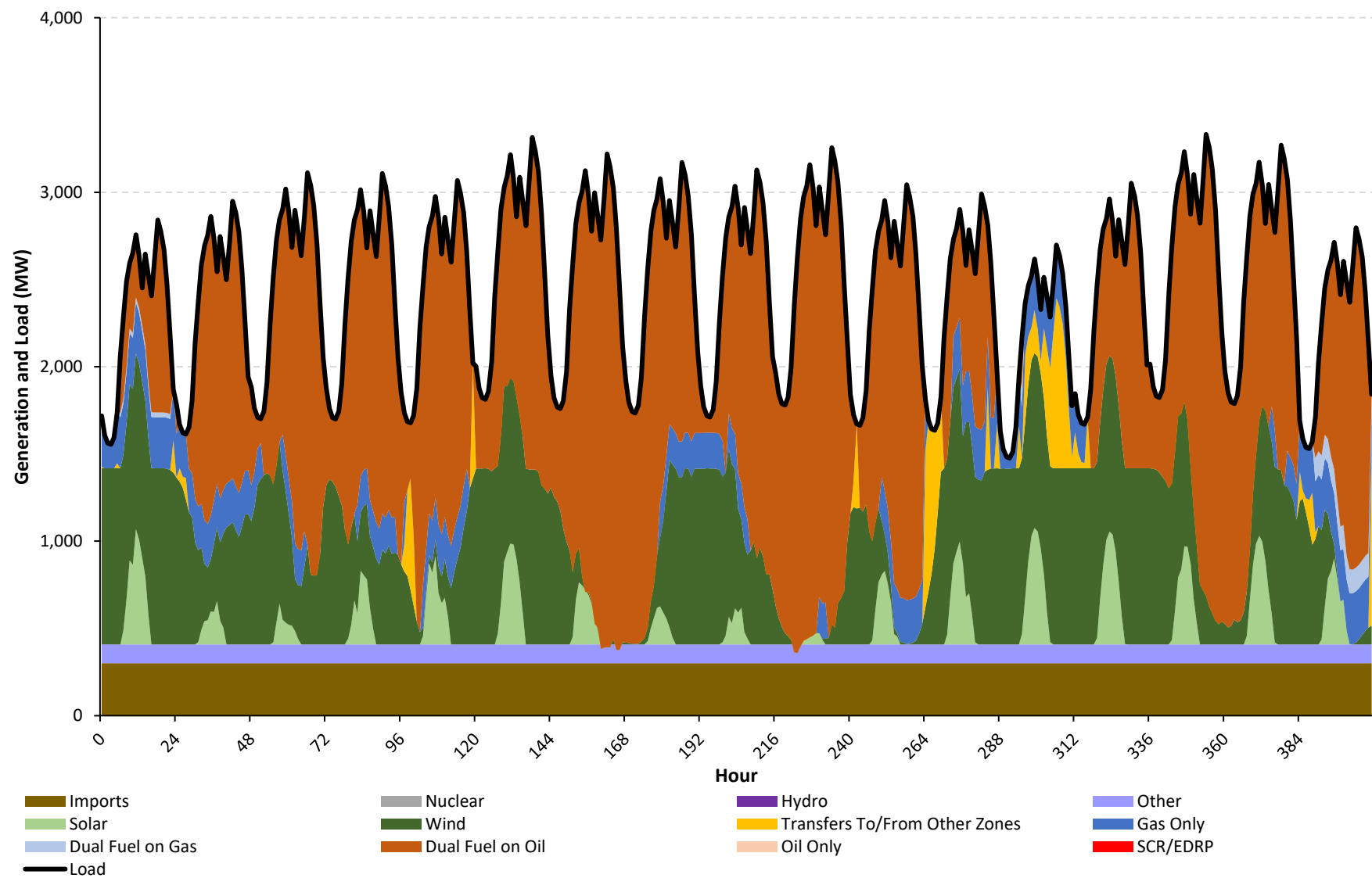
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | Net Zero   |

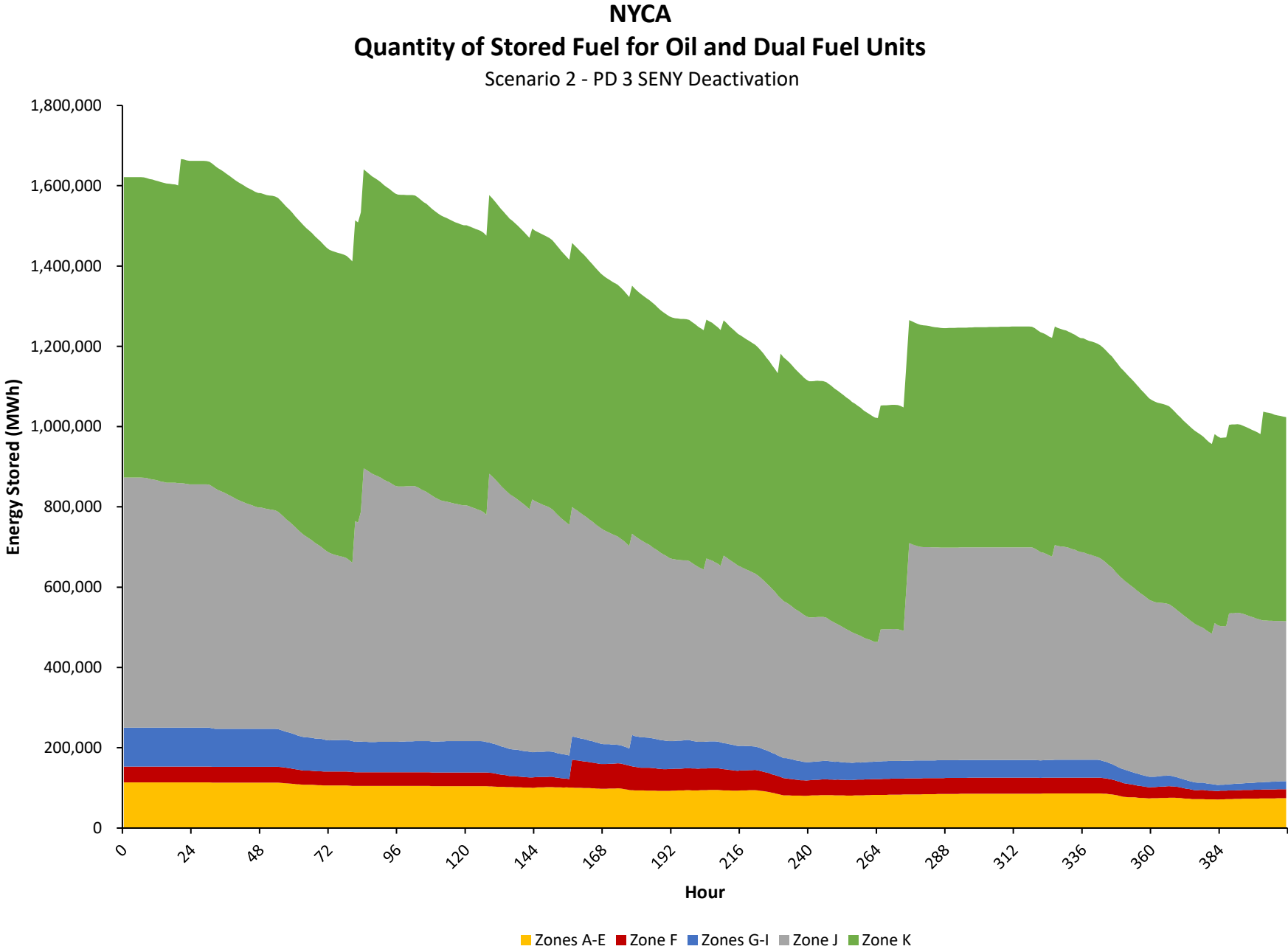






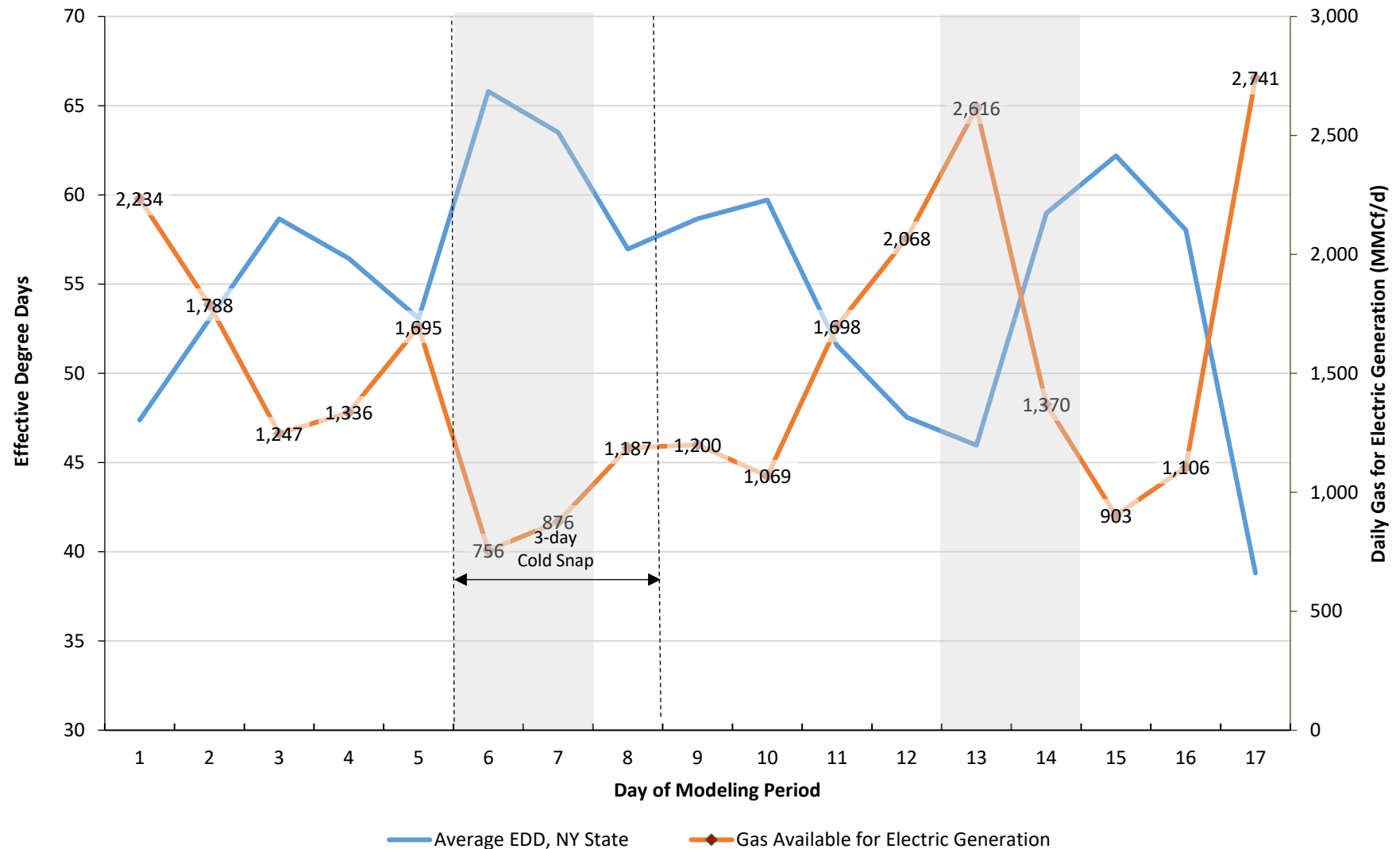
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 3 SENY Deactivation





# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

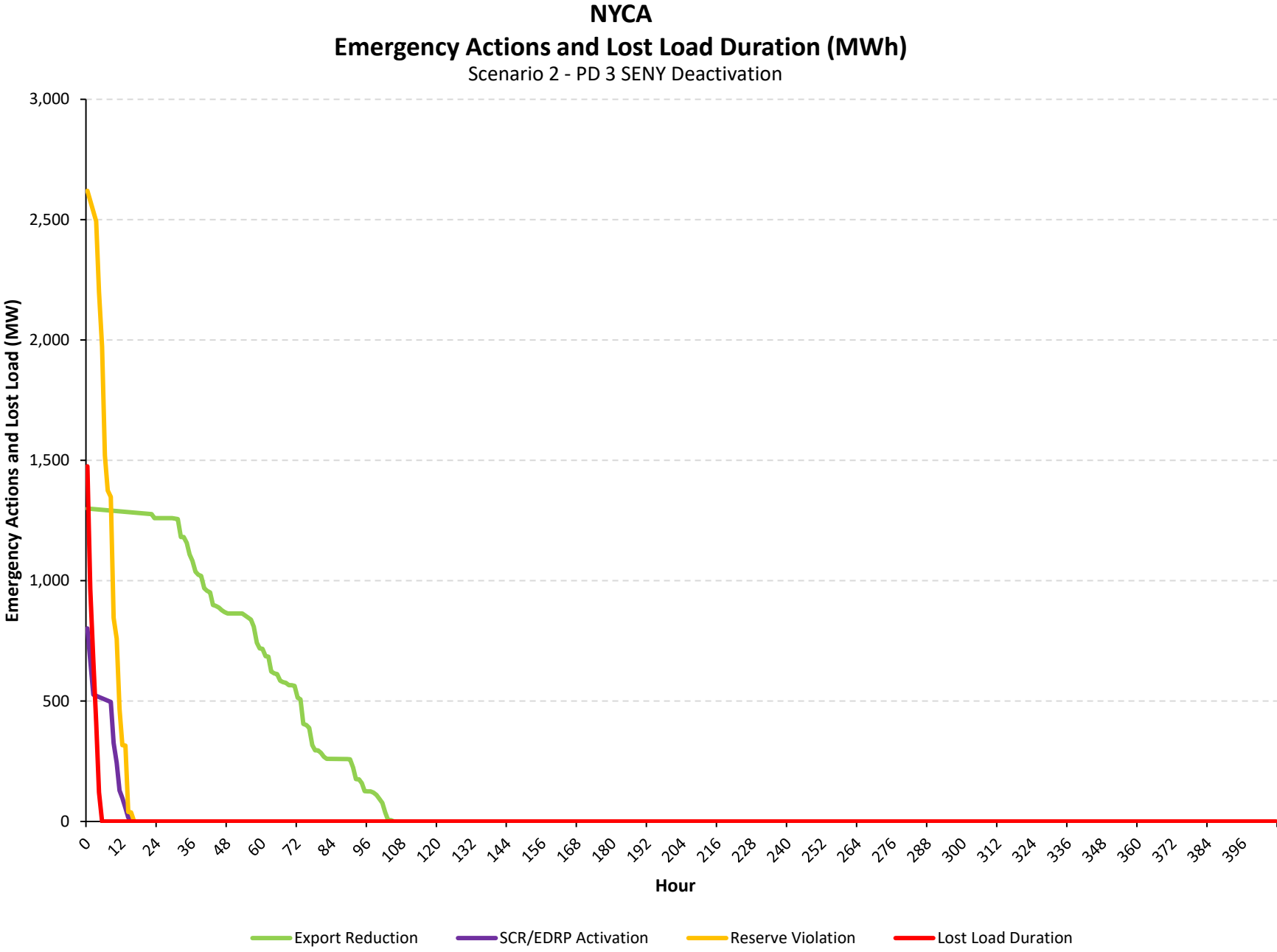
Scenario 2 - PD 3 SENY Deactivation

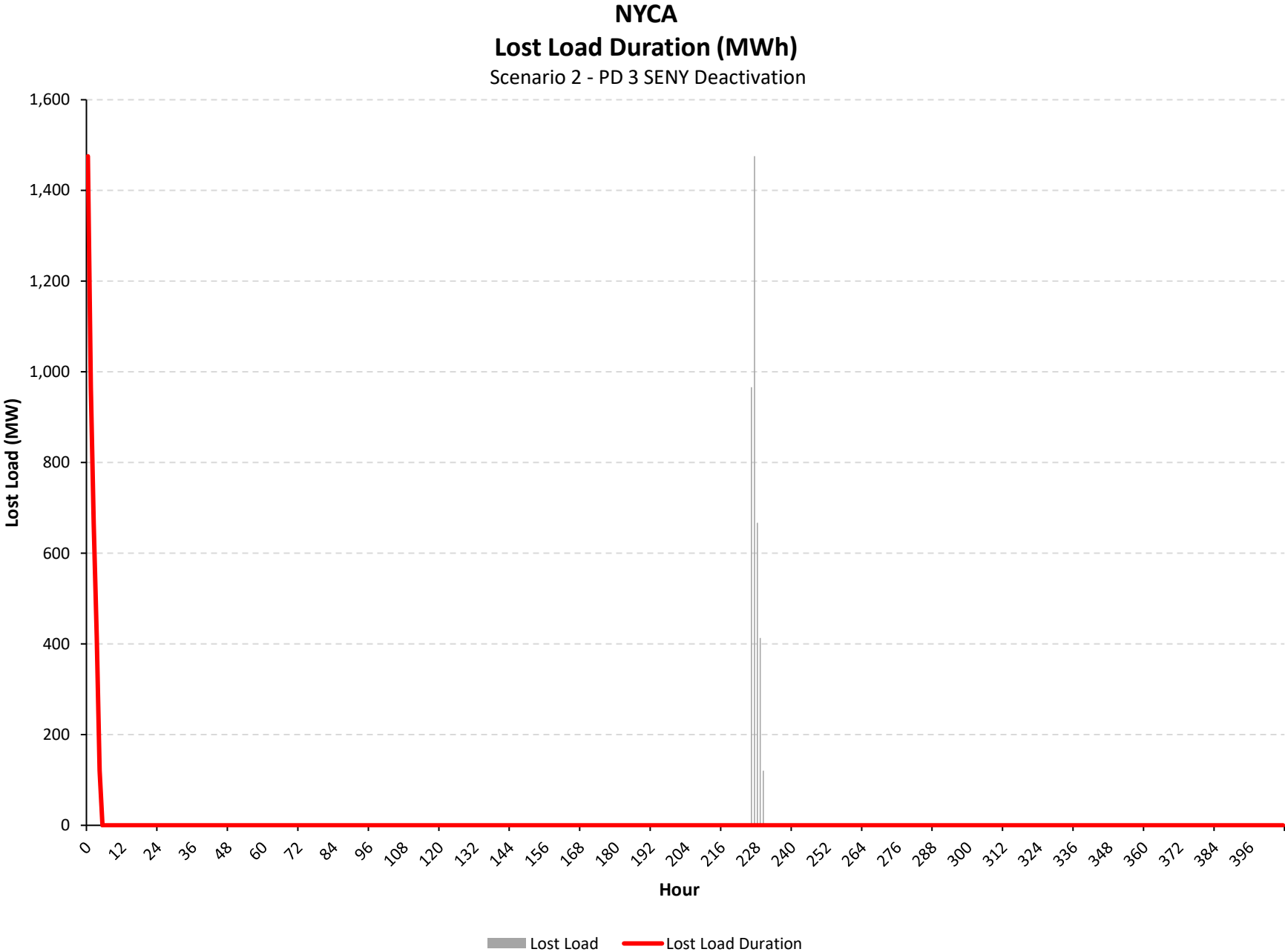


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





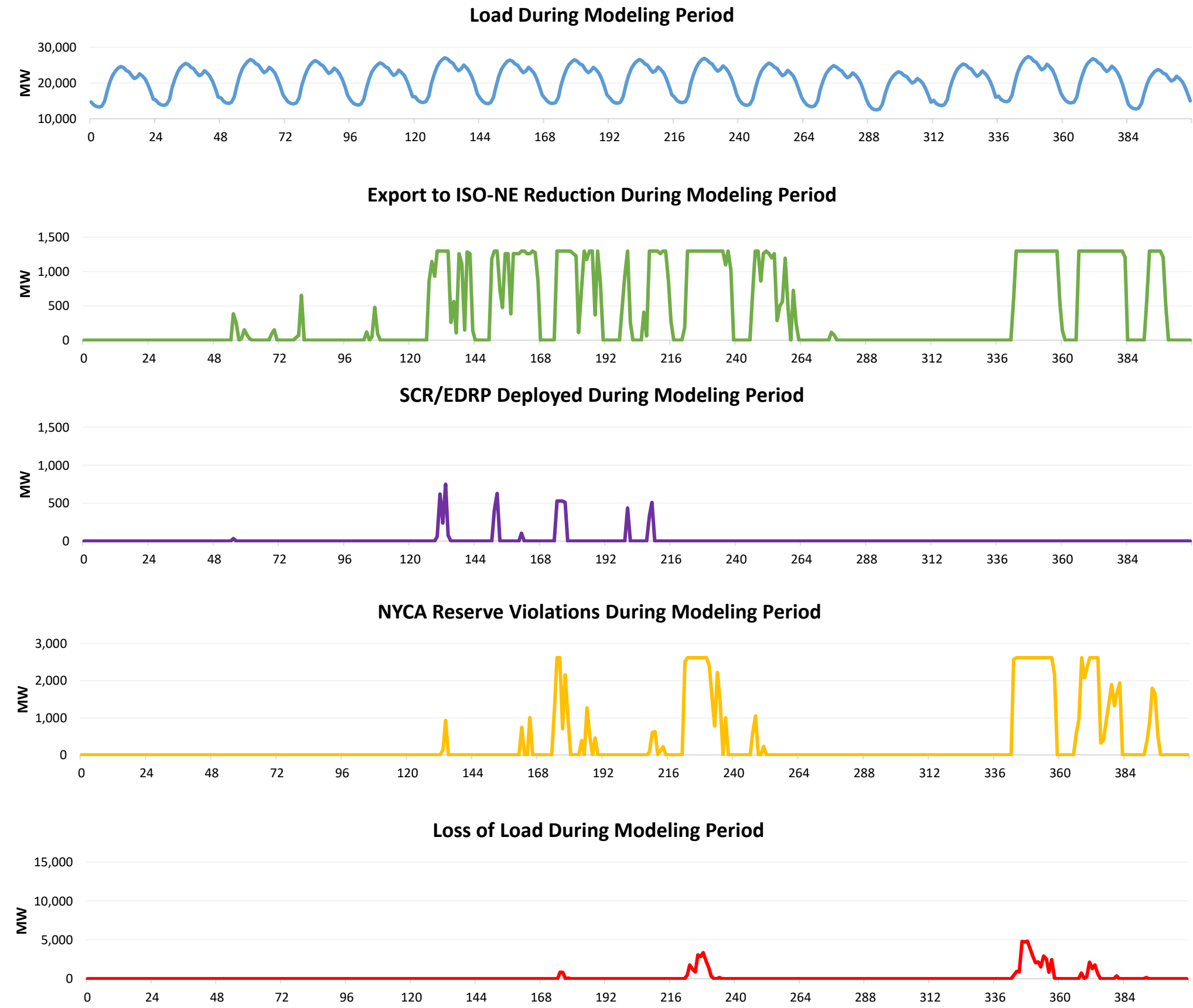


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 4 Nuclear Station Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 164     |
| Total MWh         | 161,478 |
| Avg. MW           | 395.8   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,284 |
| Avg. MW        | 15.4  |

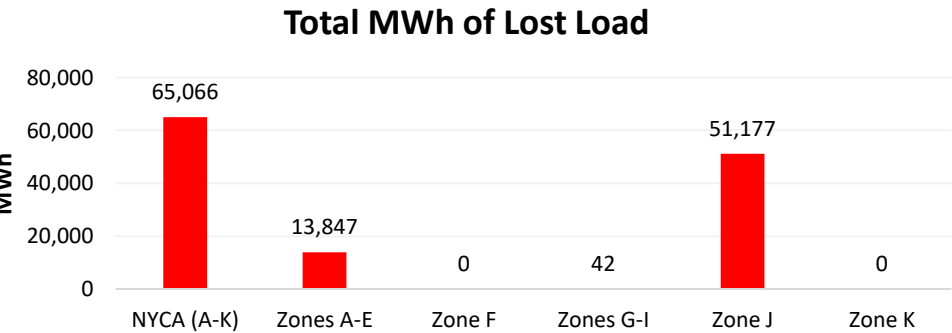
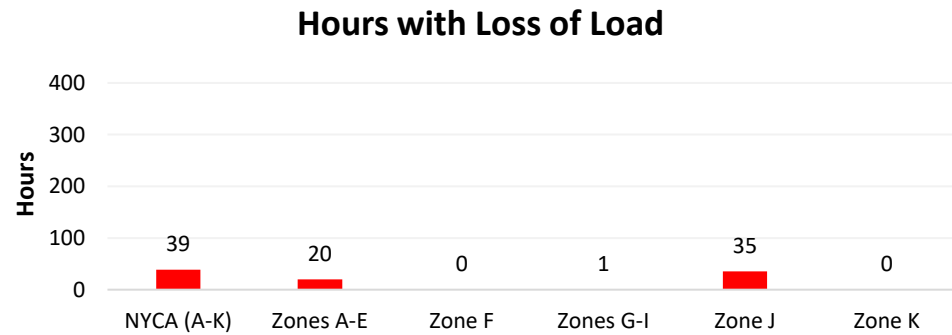
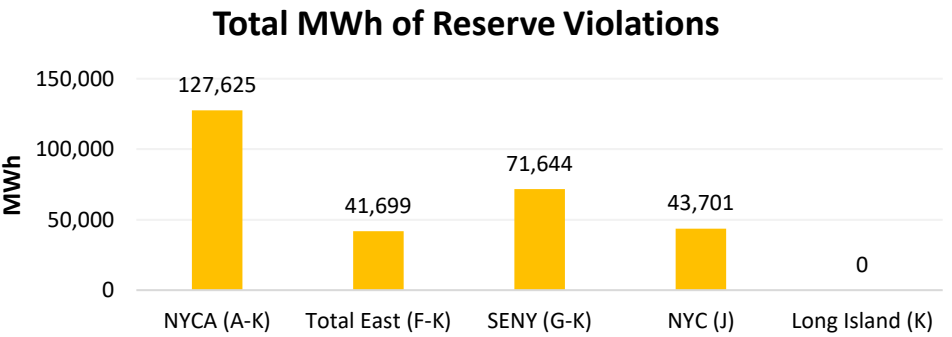
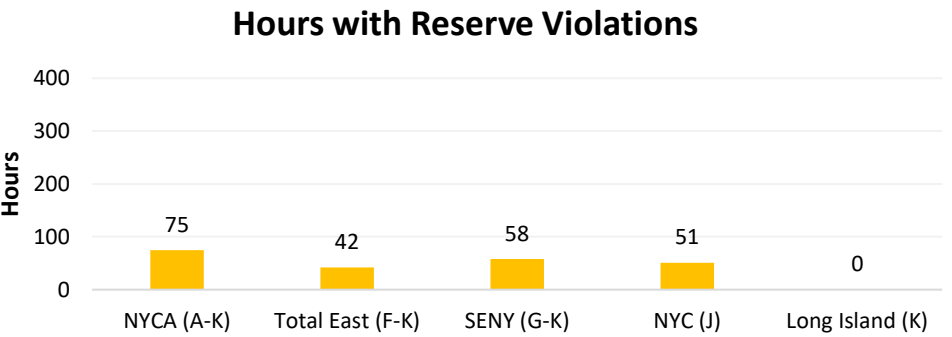
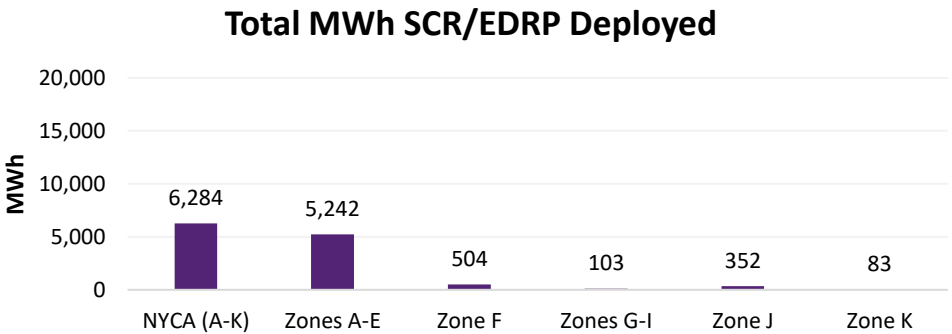
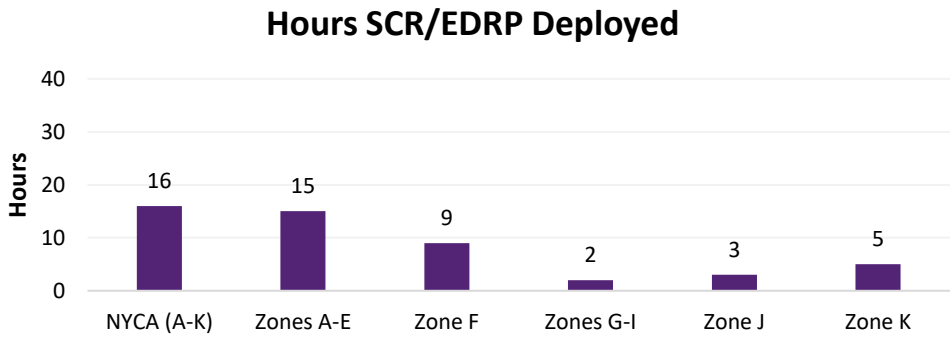
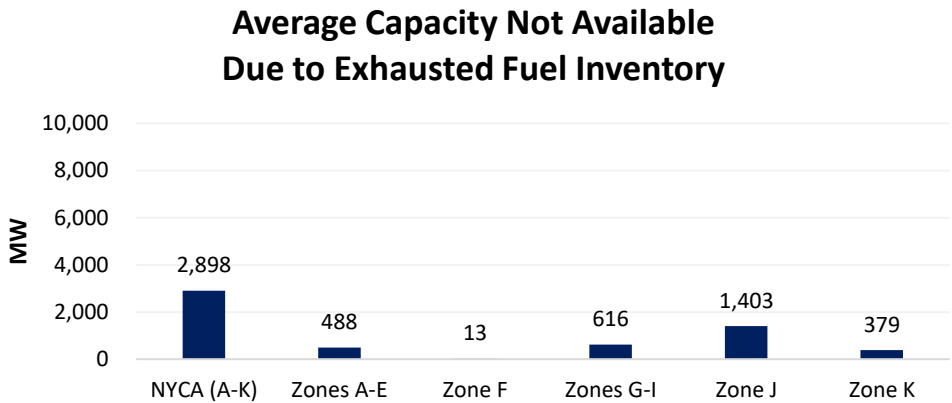
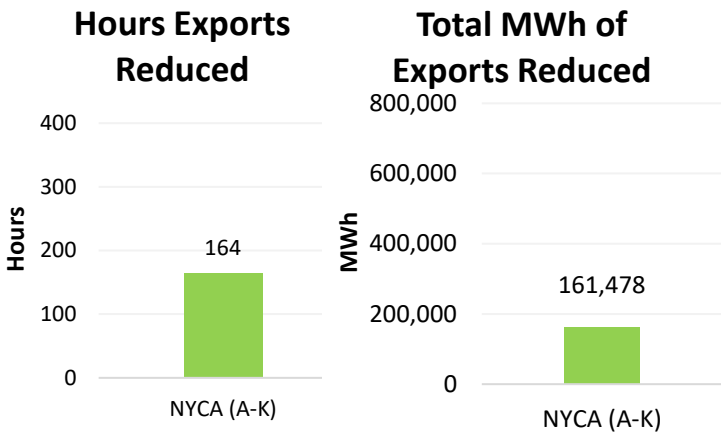
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 75      |
| Total MWh             | 127,625 |
| Avg. MW               | 312.8   |
| First Hour with Viol. | 133     |

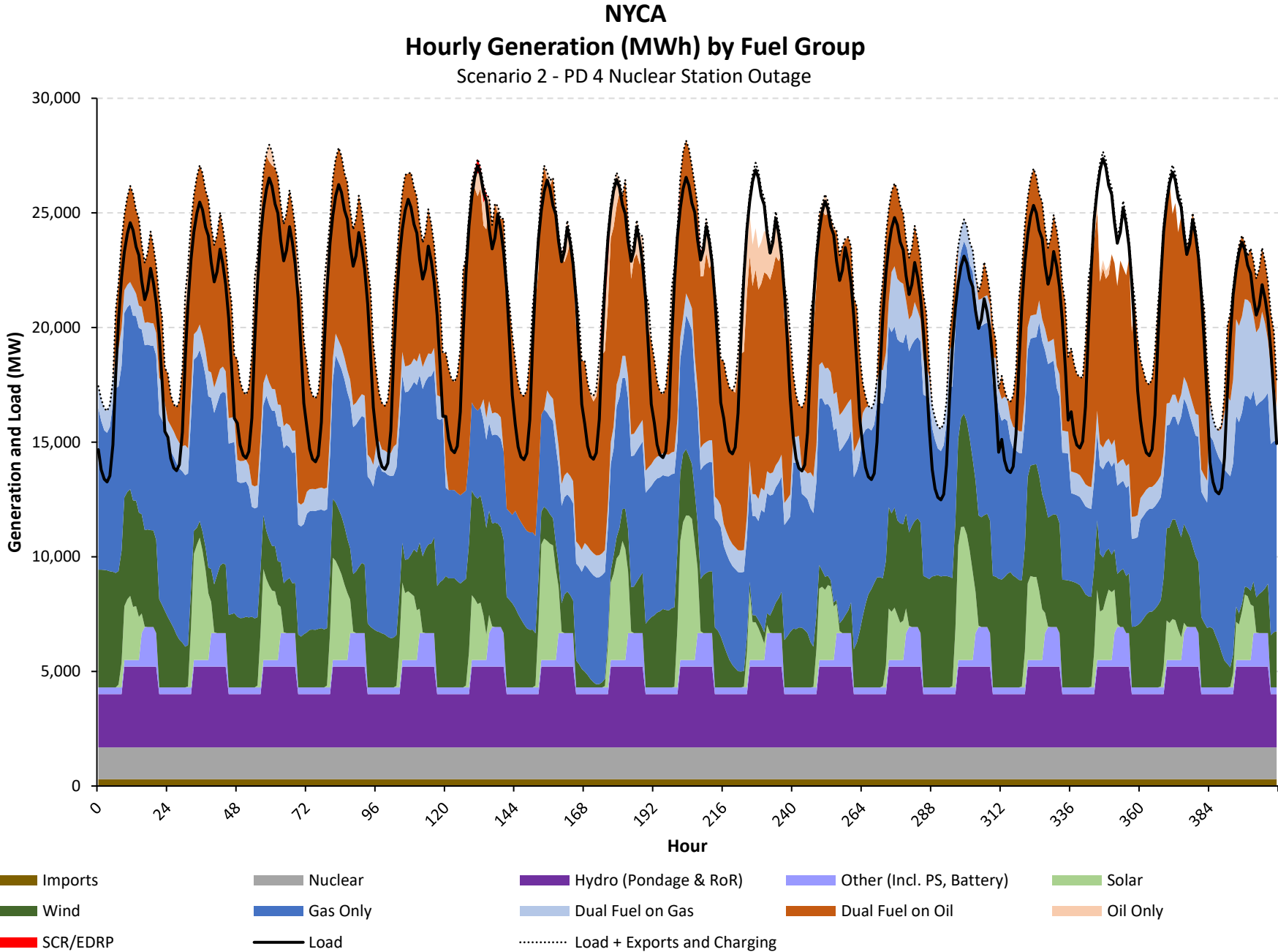
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 39     |
| Total MWh              | 65,066 |
| Avg. MW                | 159.5  |
| First Hour with Losses | 175    |

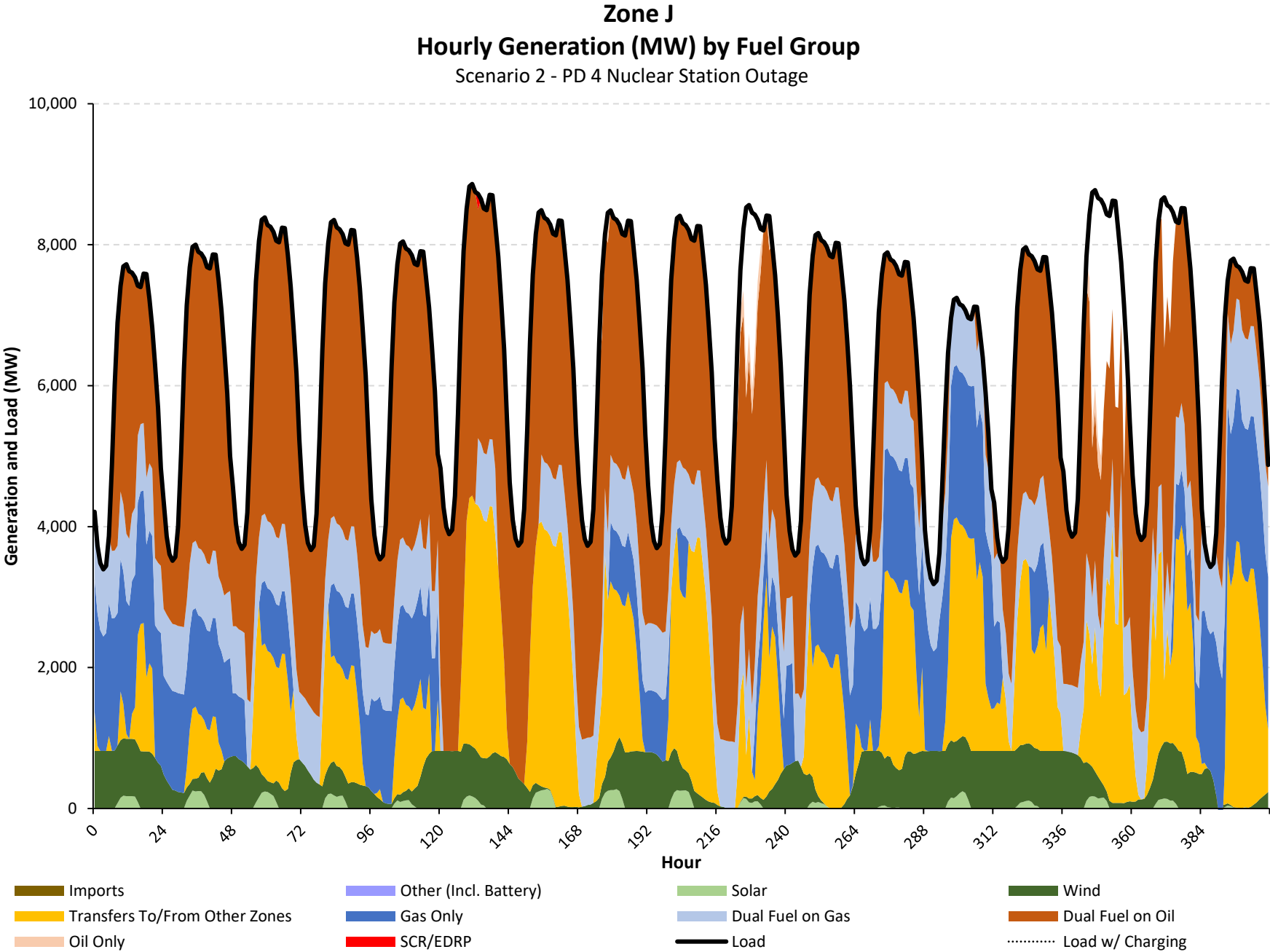
Full Period Results Summary

Case Name: Scenario 2 - PD 4 Nuclear Station Outage

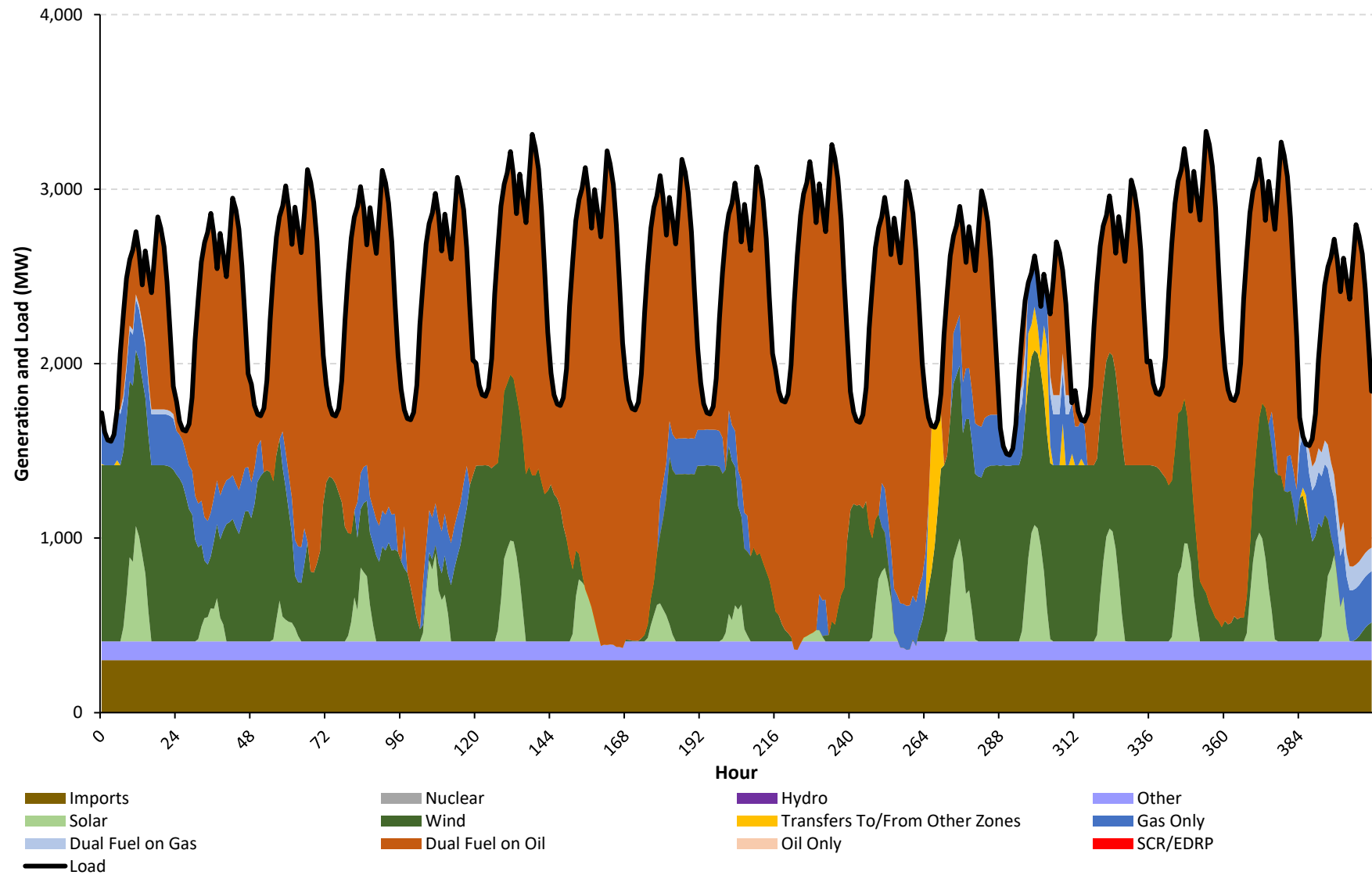
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



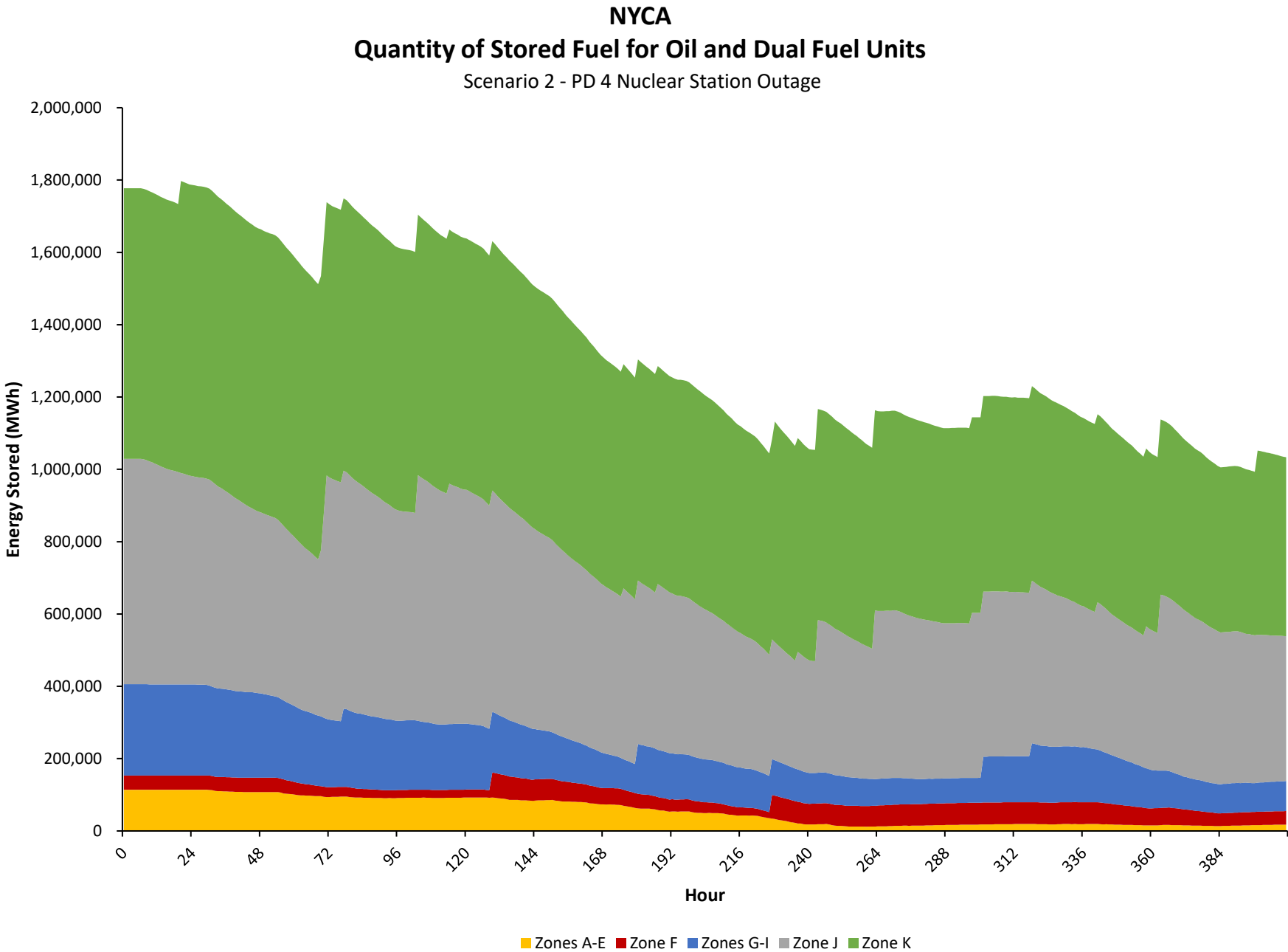




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 4 Nuclear Station Outage

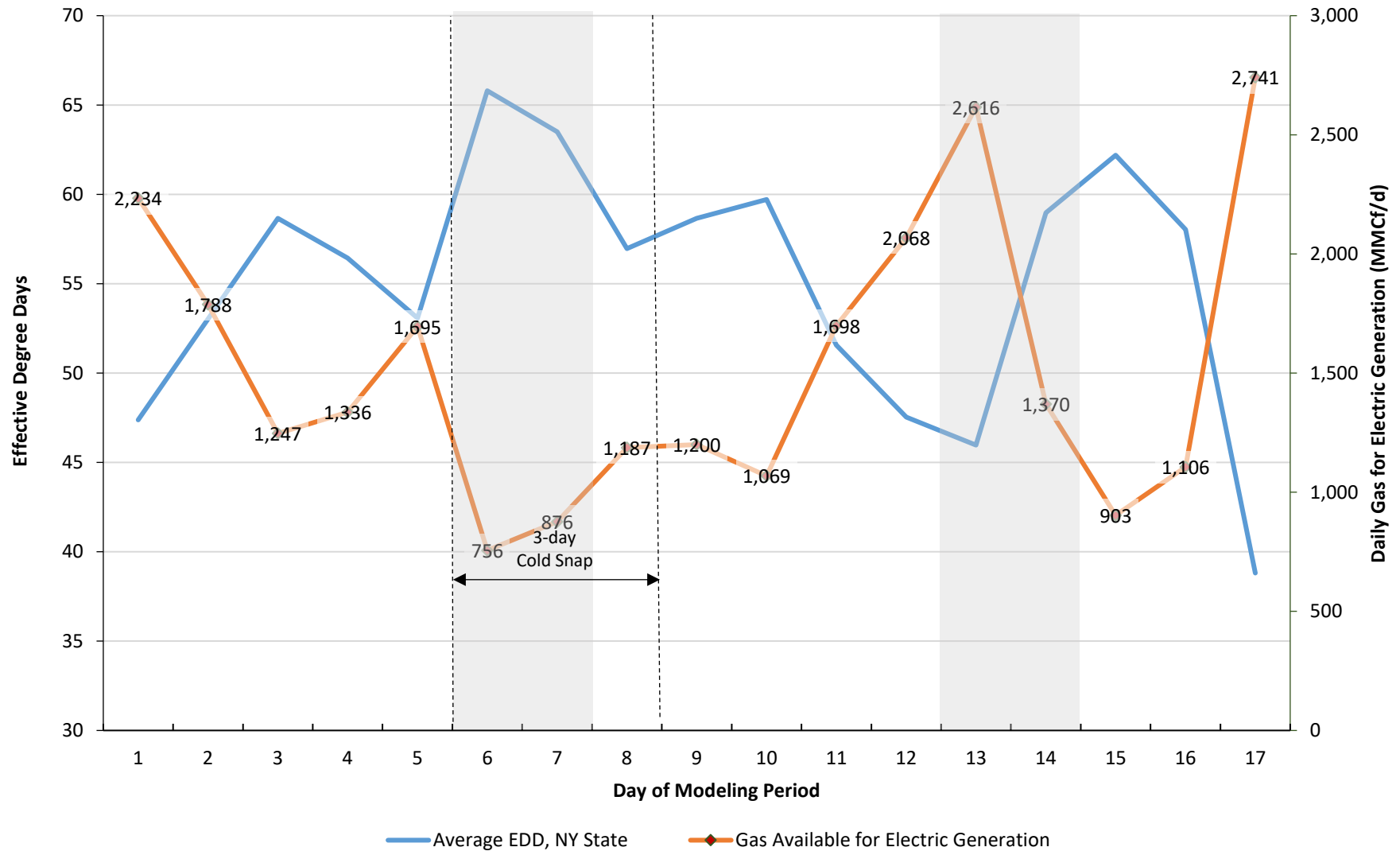






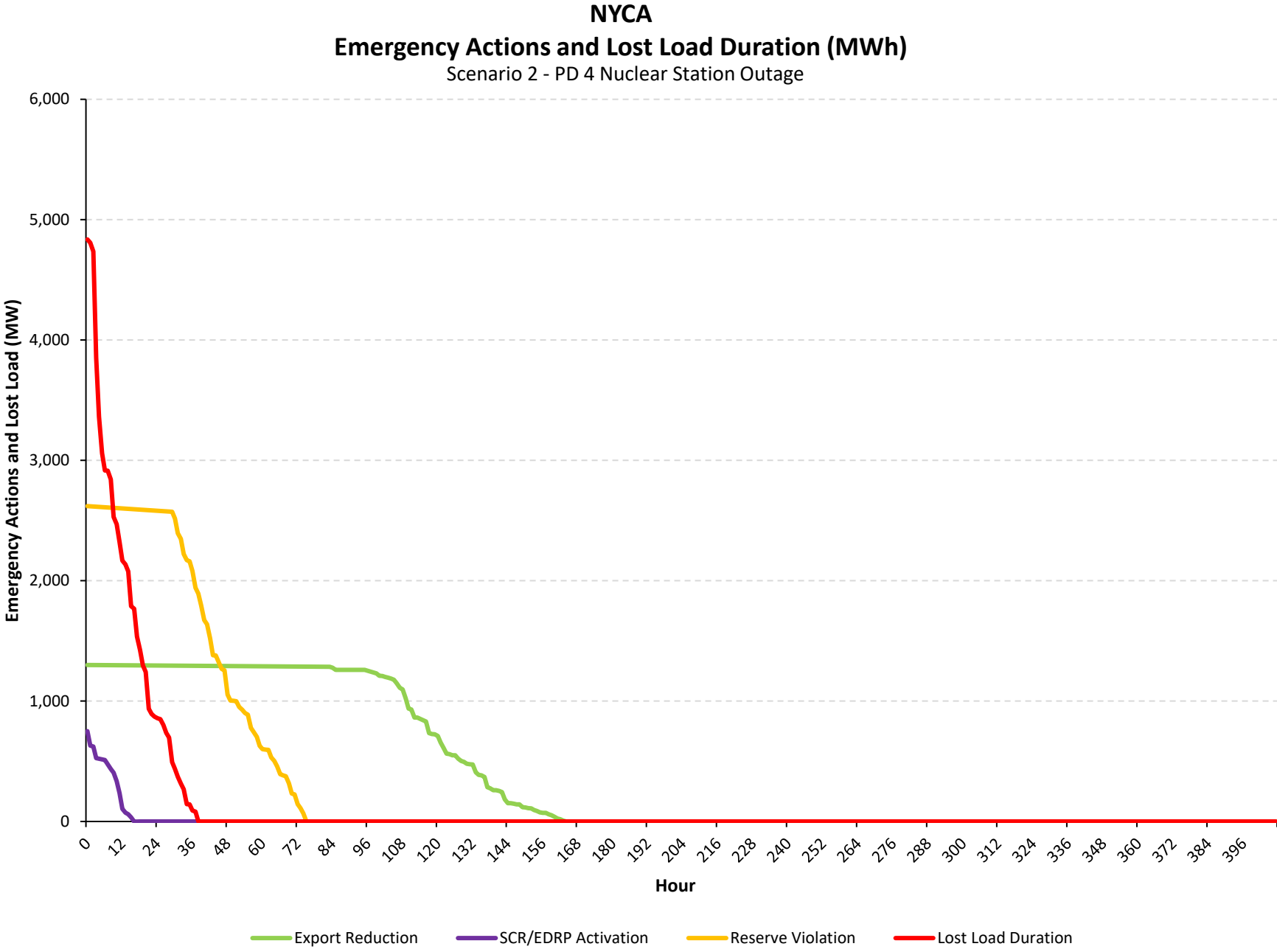
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

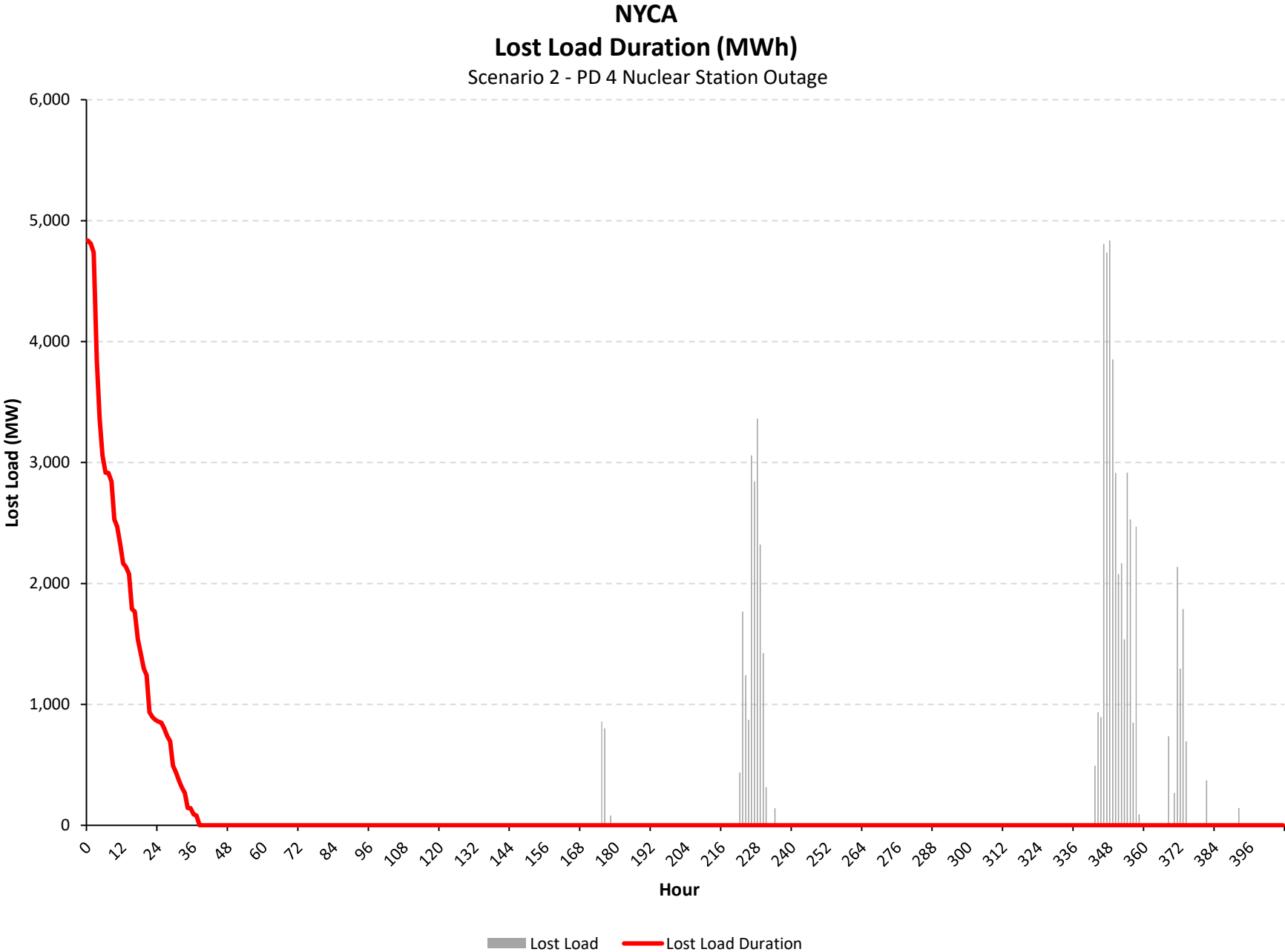
Scenario 2 - PD 4 Nuclear Station Outage



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



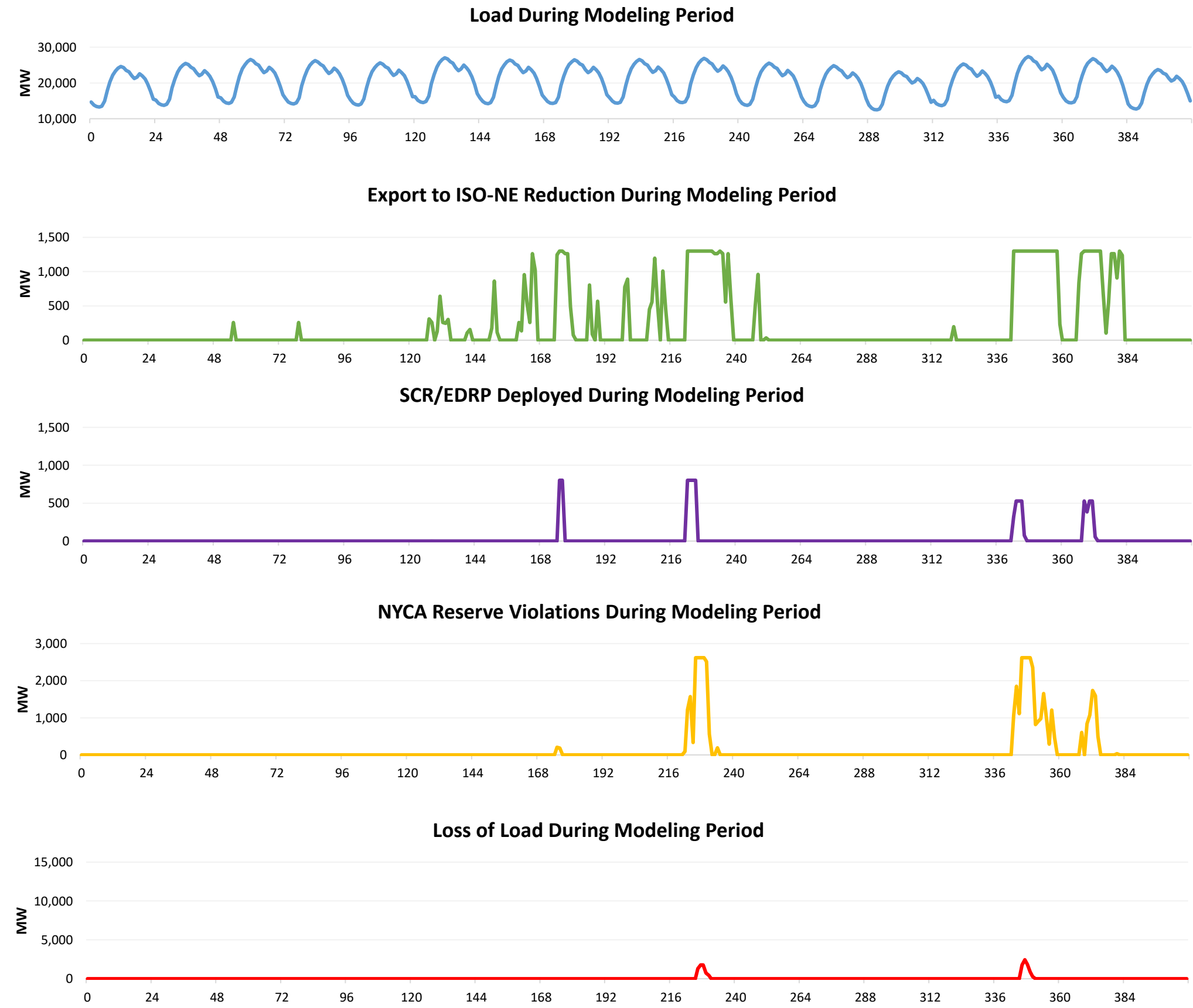


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 5 No Truck Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 95     |
| Total MWh         | 85,767 |
| Avg. MW           | 210.2  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 8,808 |
| Avg. MW        | 21.6  |

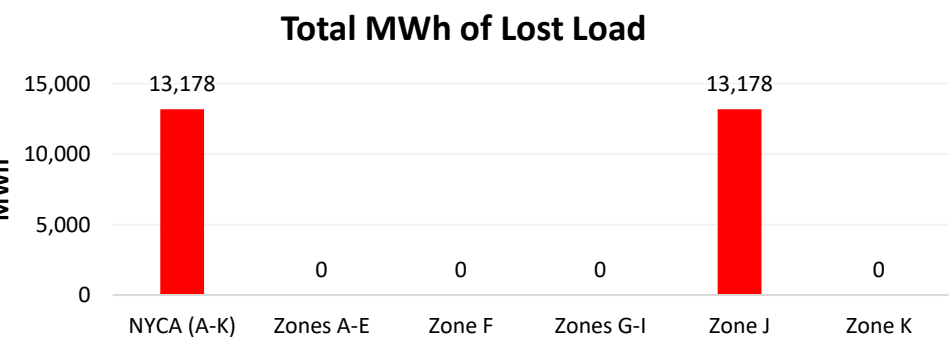
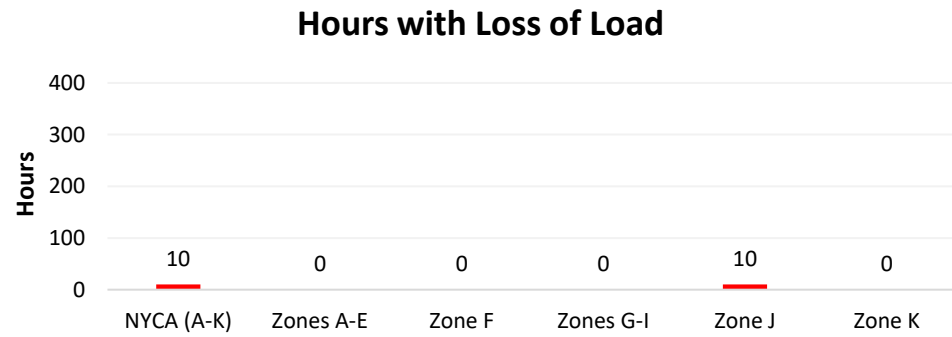
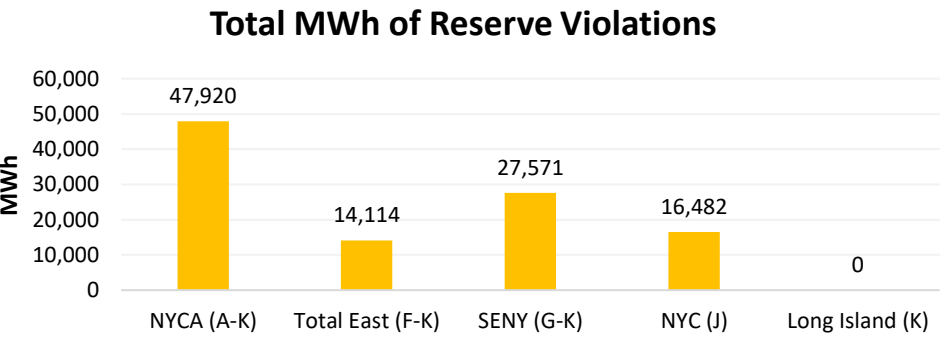
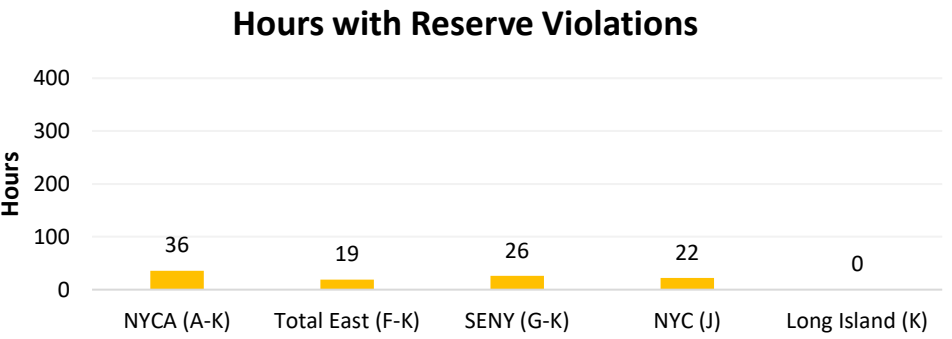
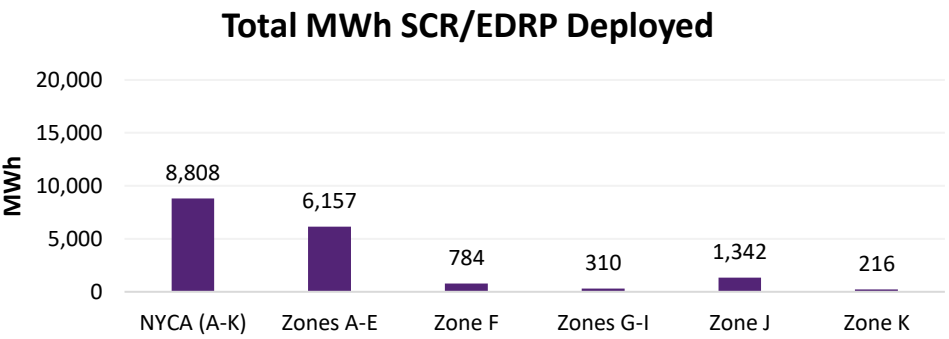
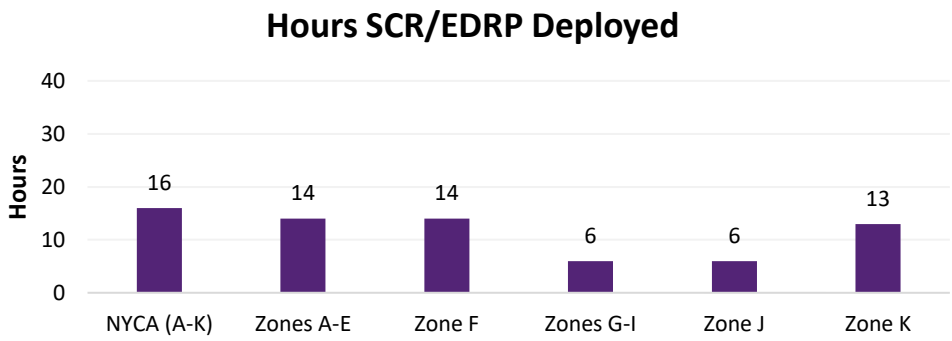
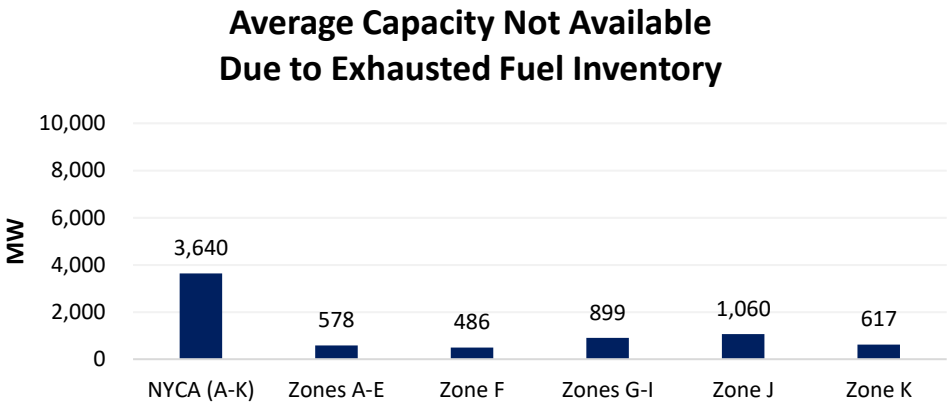
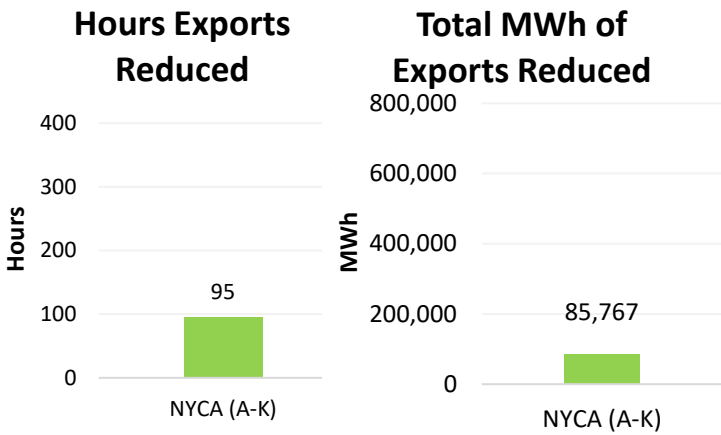
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 36     |
| Total MWh             | 47,920 |
| Avg. MW               | 117.5  |
| First Hour with Viol. | 175    |

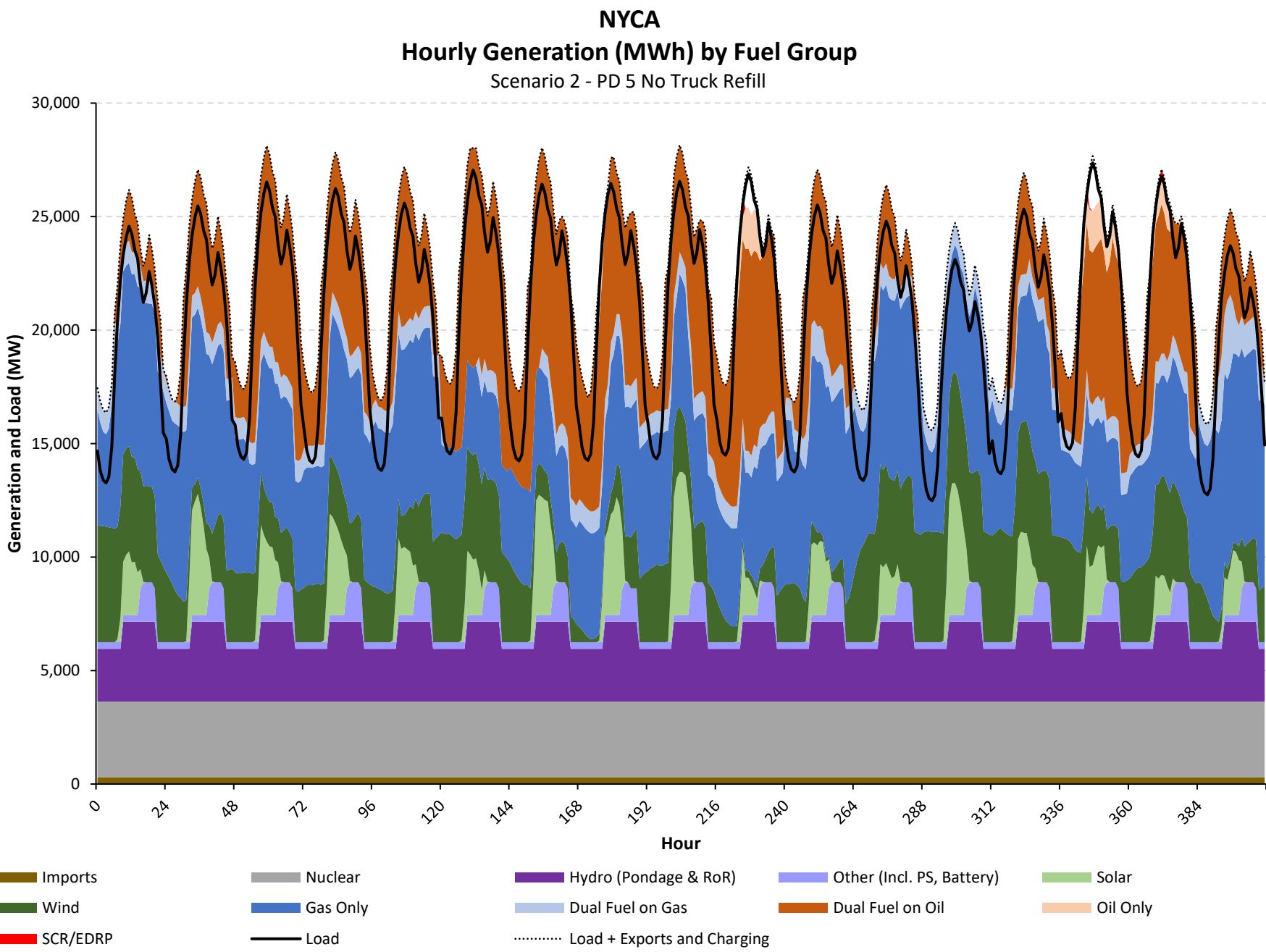
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 10     |
| Total MWh              | 13,178 |
| Avg. MW                | 32.3   |
| First Hour with Losses | 226    |

Full Period Results Summary

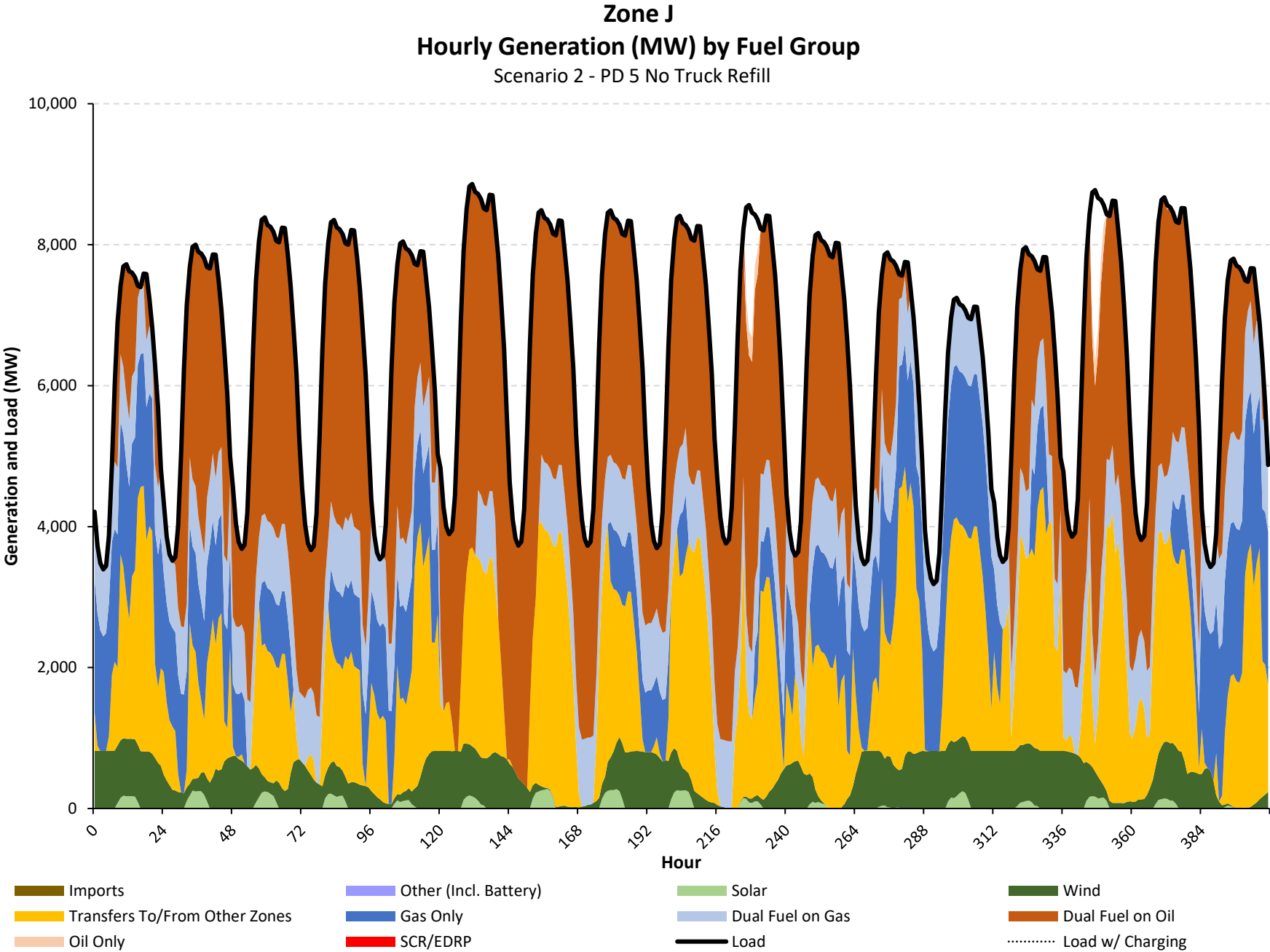
Case Name: Scenario 2 - PD 5 No Truck Refill

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

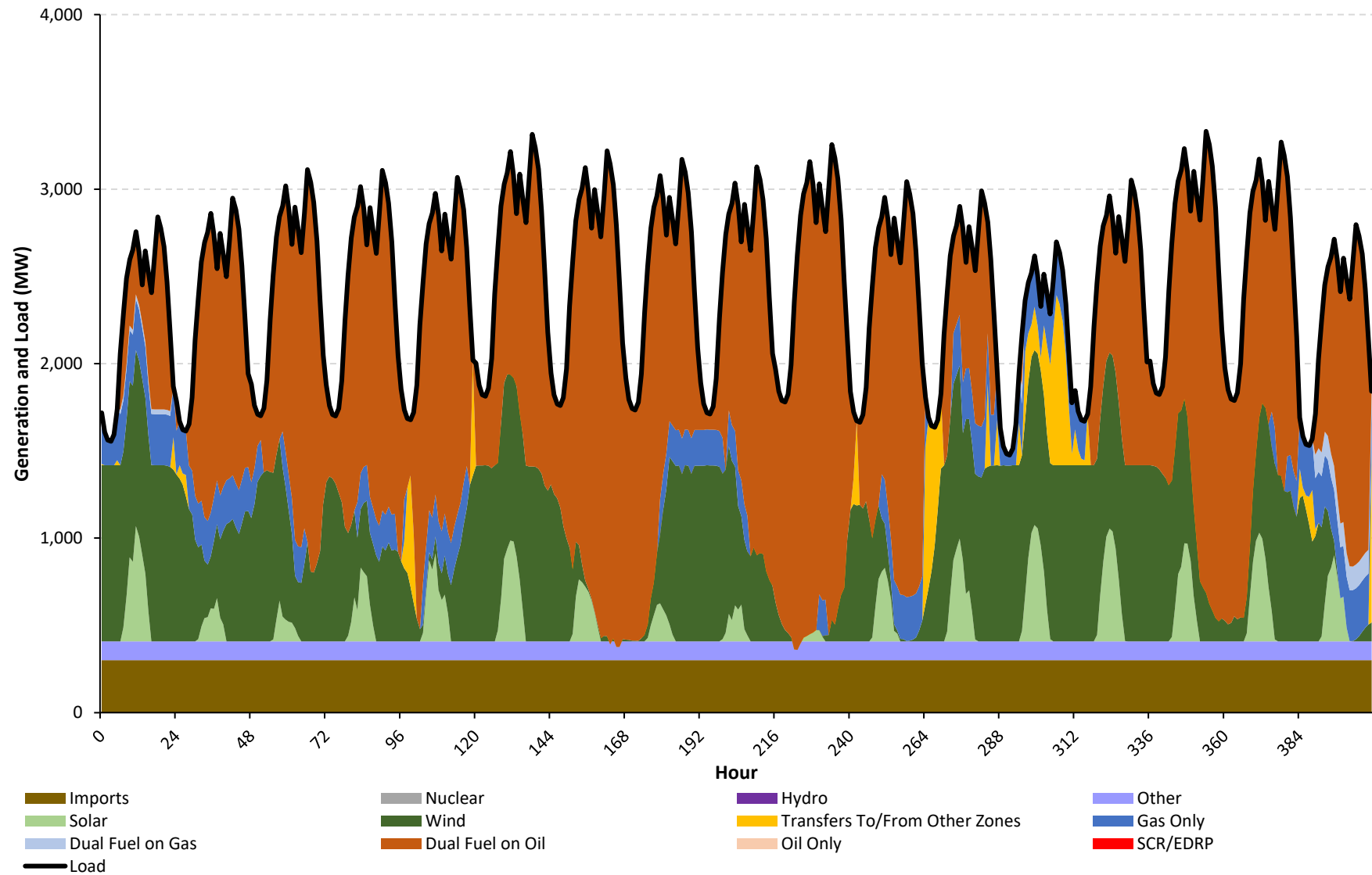




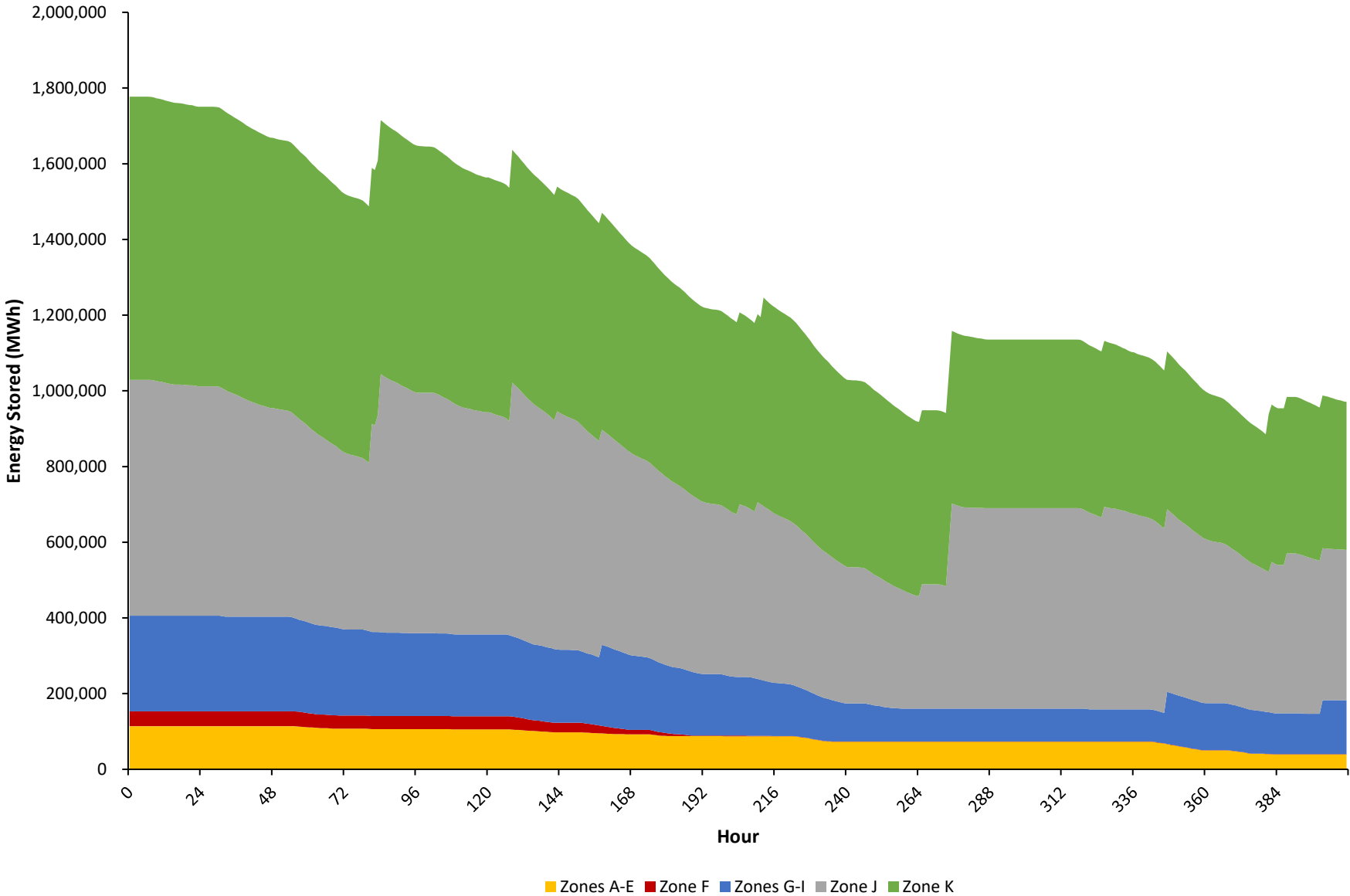


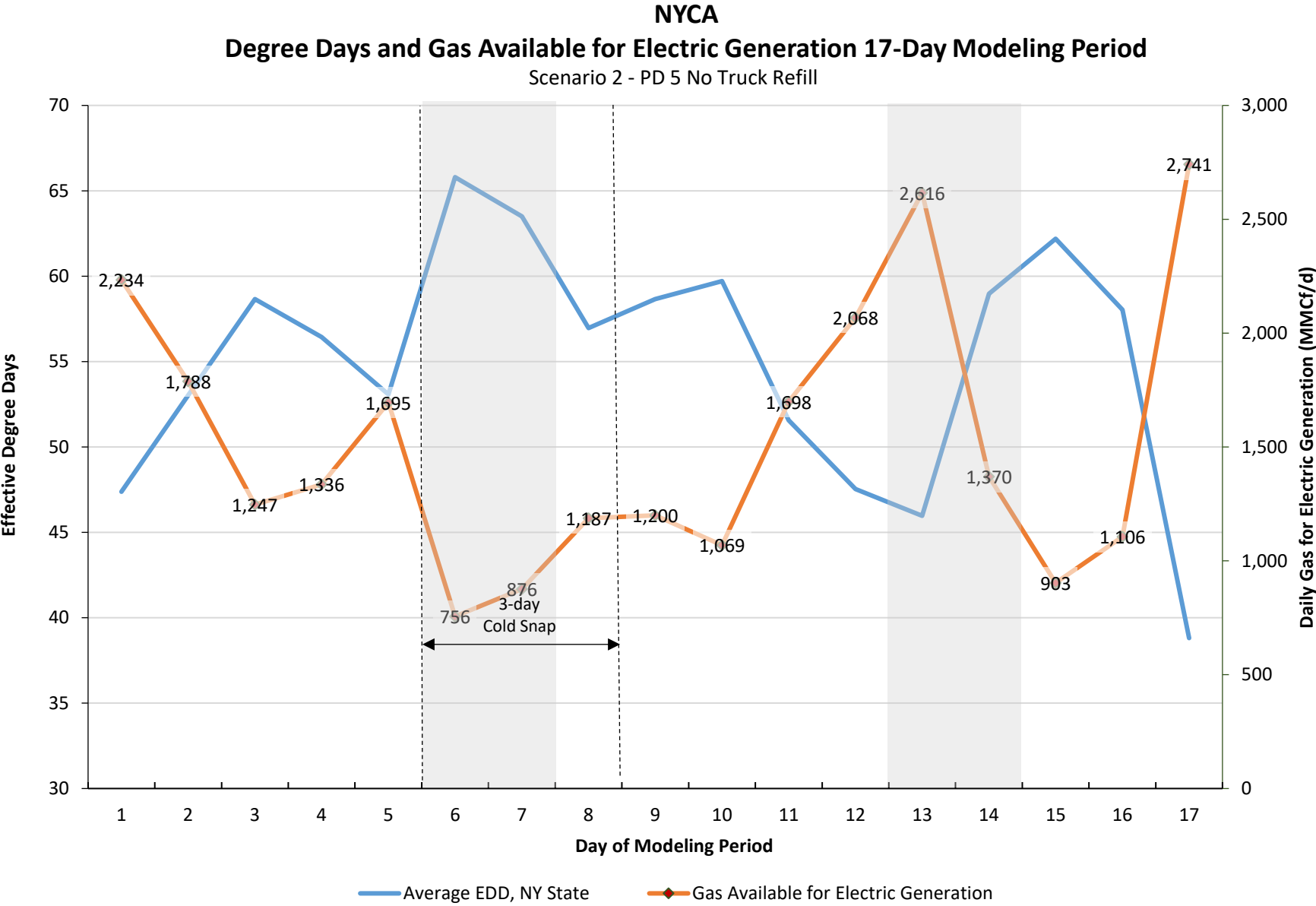


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 2 - PD 5 No Truck Refill

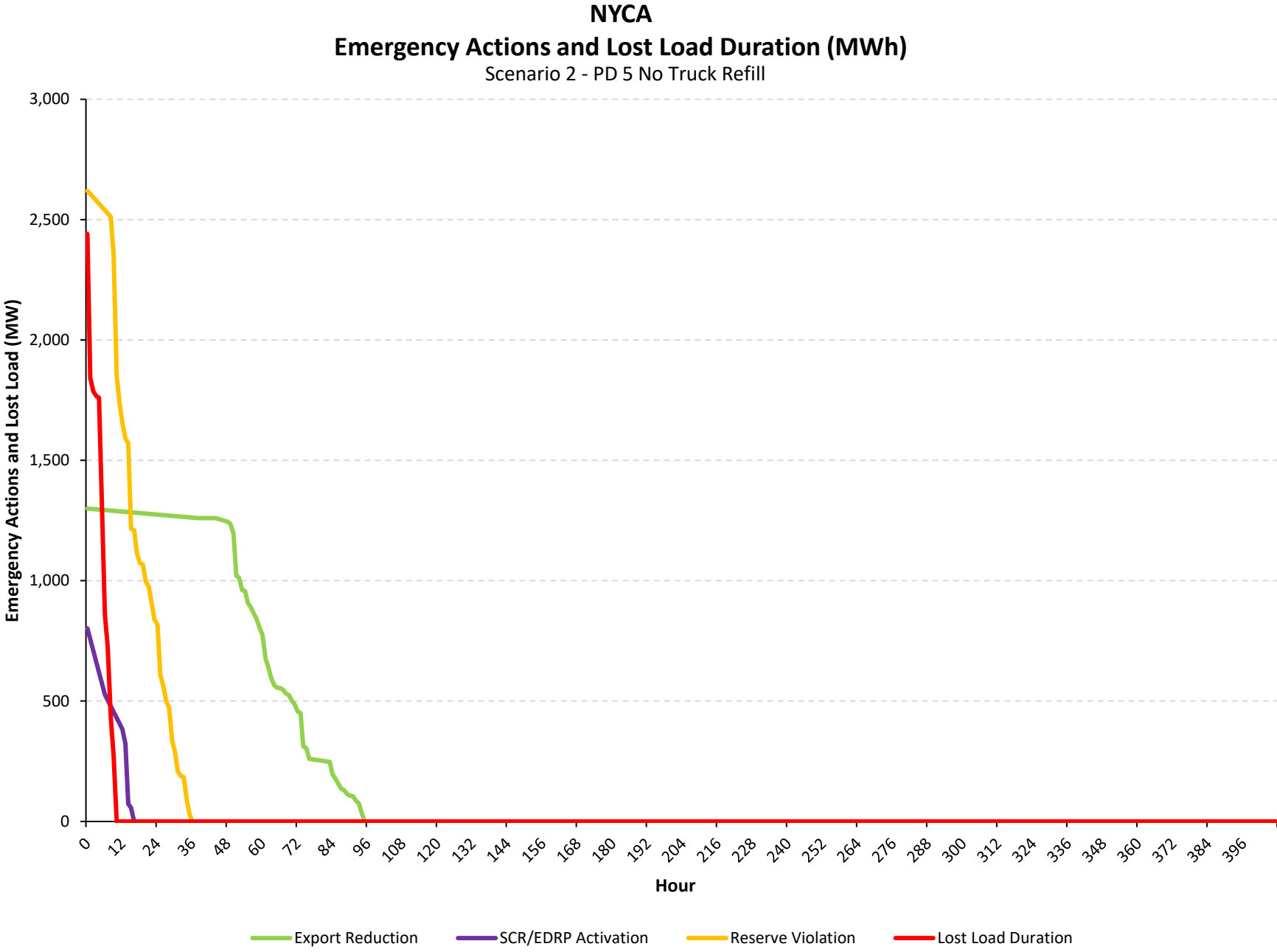


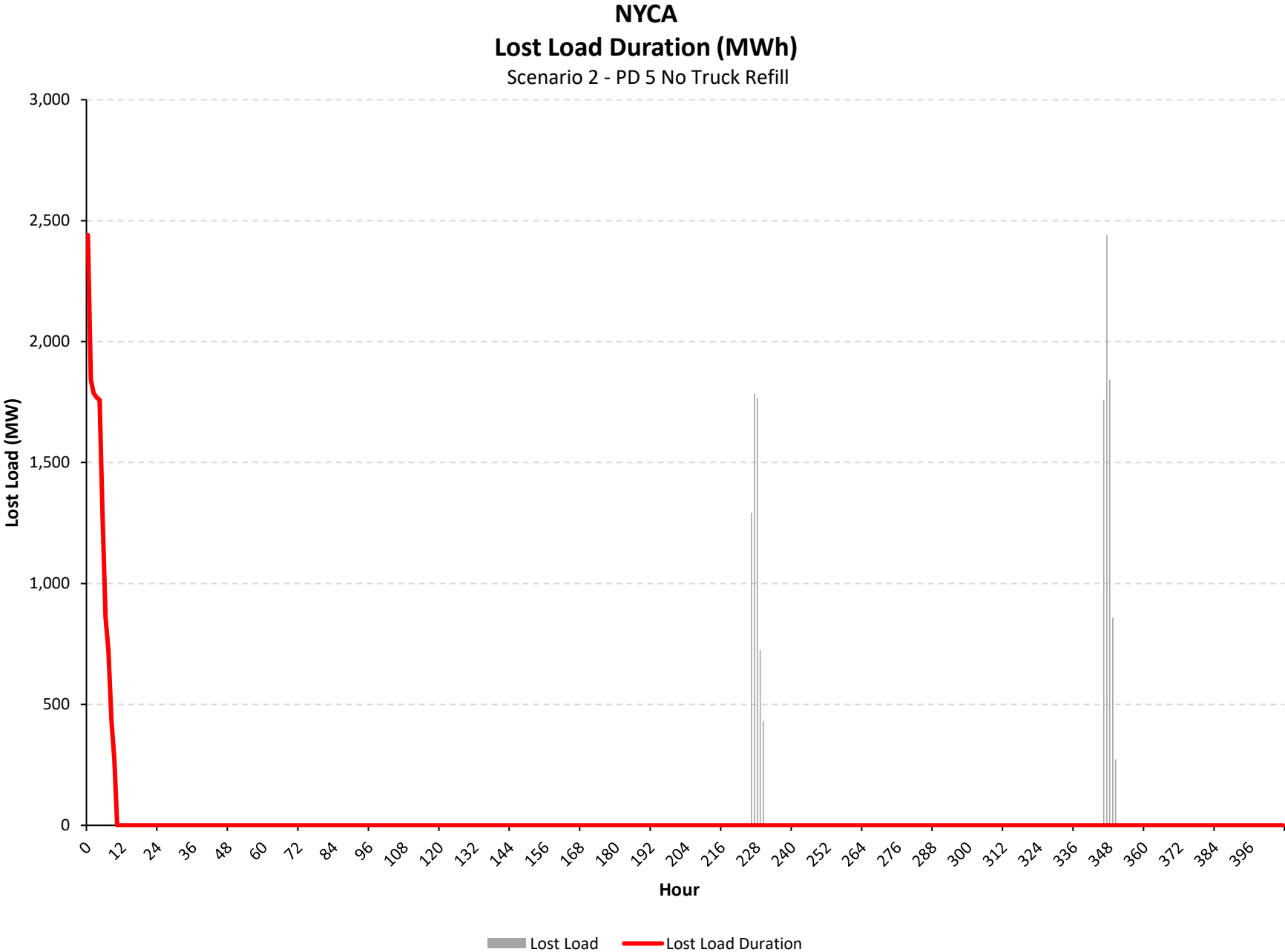
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 2 - PD 5 No Truck Refill





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



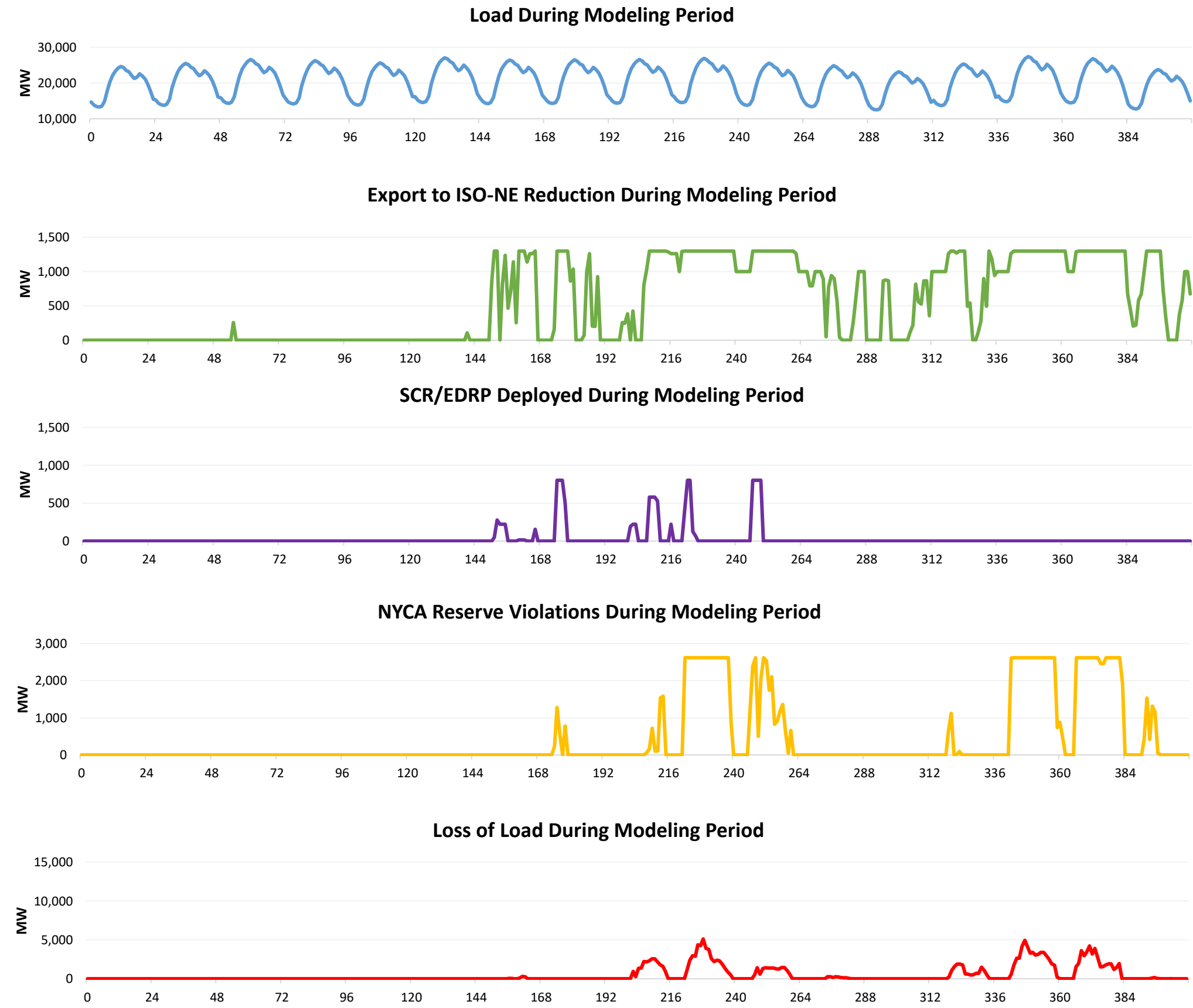


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 6 No Barge Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 215     |
| Total MWh         | 223,090 |
| Avg. MW           | 546.8   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 30     |
| Total MWh      | 12,642 |
| Avg. MW        | 31.0   |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 92      |
| Total MWh             | 175,429 |
| Avg. MW               | 430.0   |
| First Hour with Viol. | 153     |

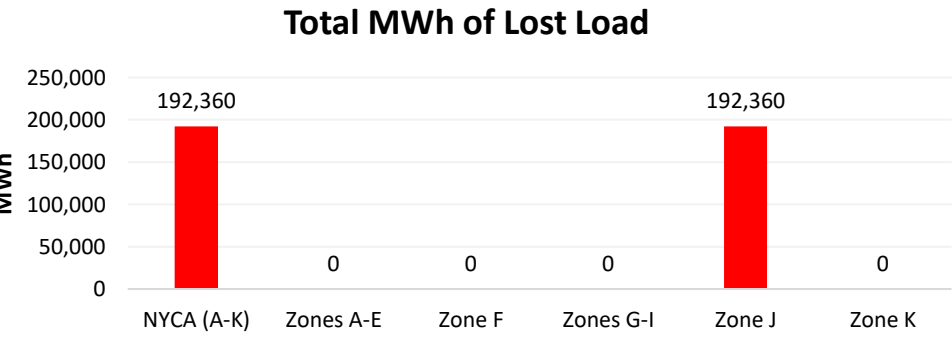
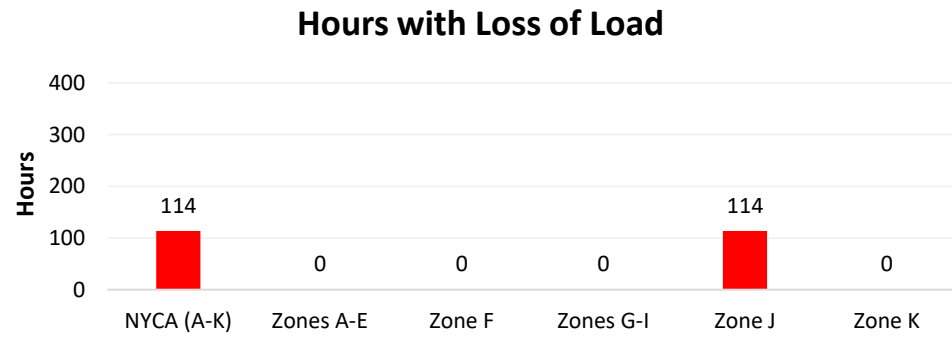
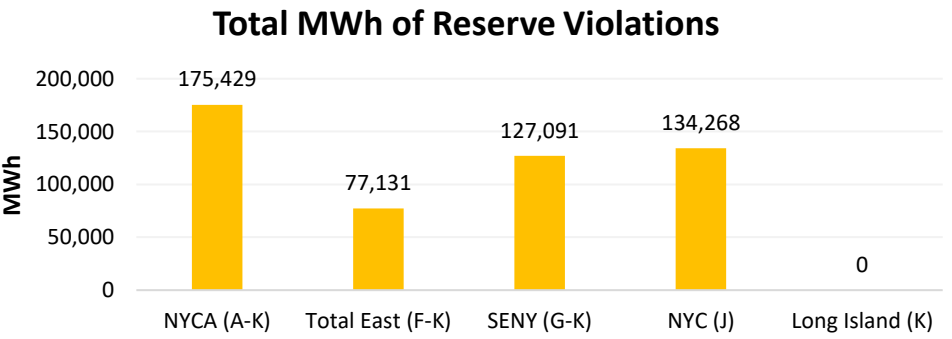
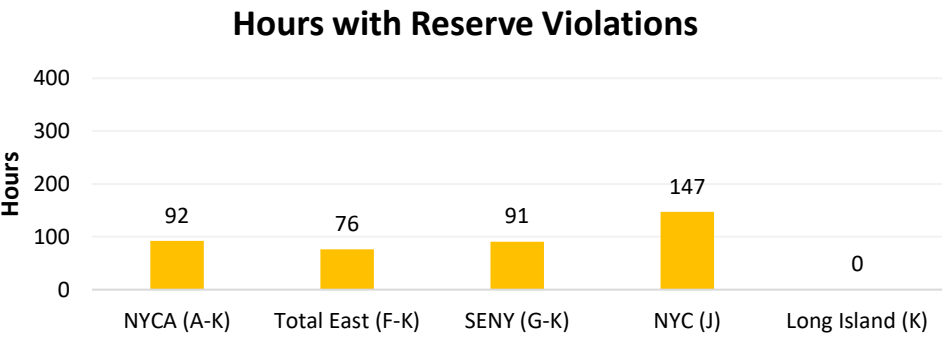
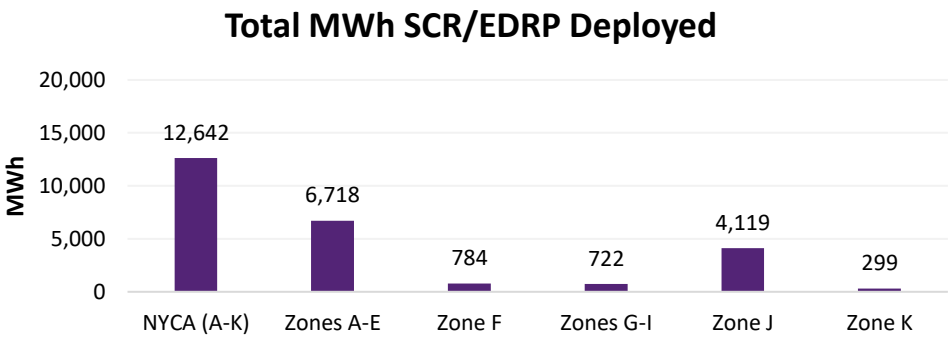
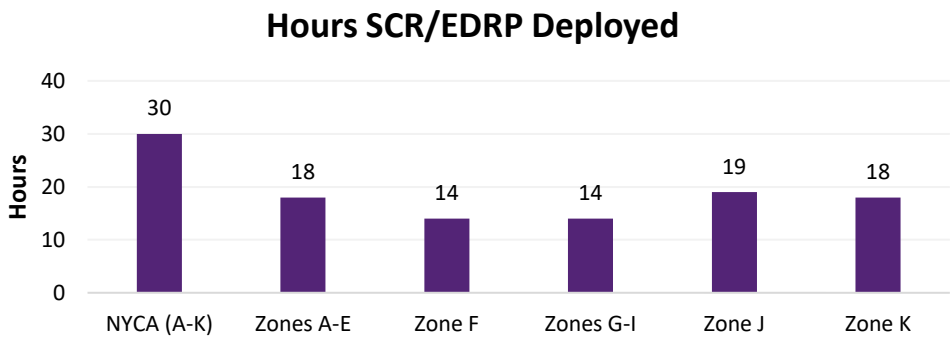
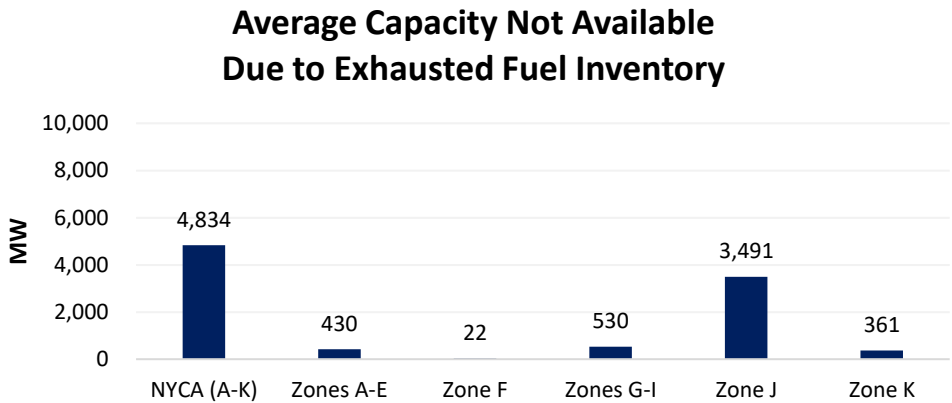
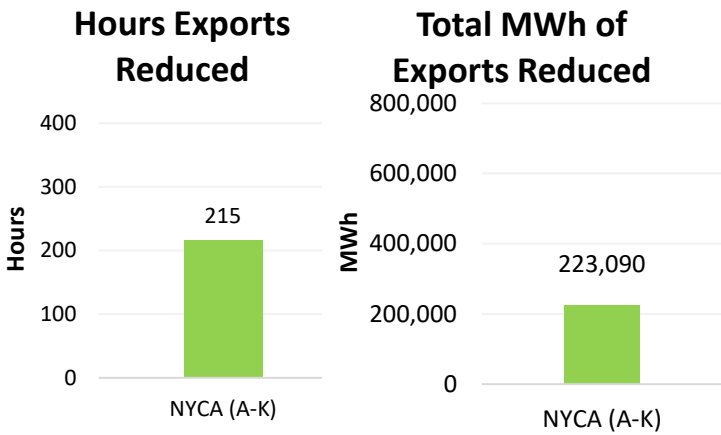
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 114     |
| Total MWh              | 192,360 |
| Avg. MW                | 471.5   |
| First Hour with Losses | 156     |

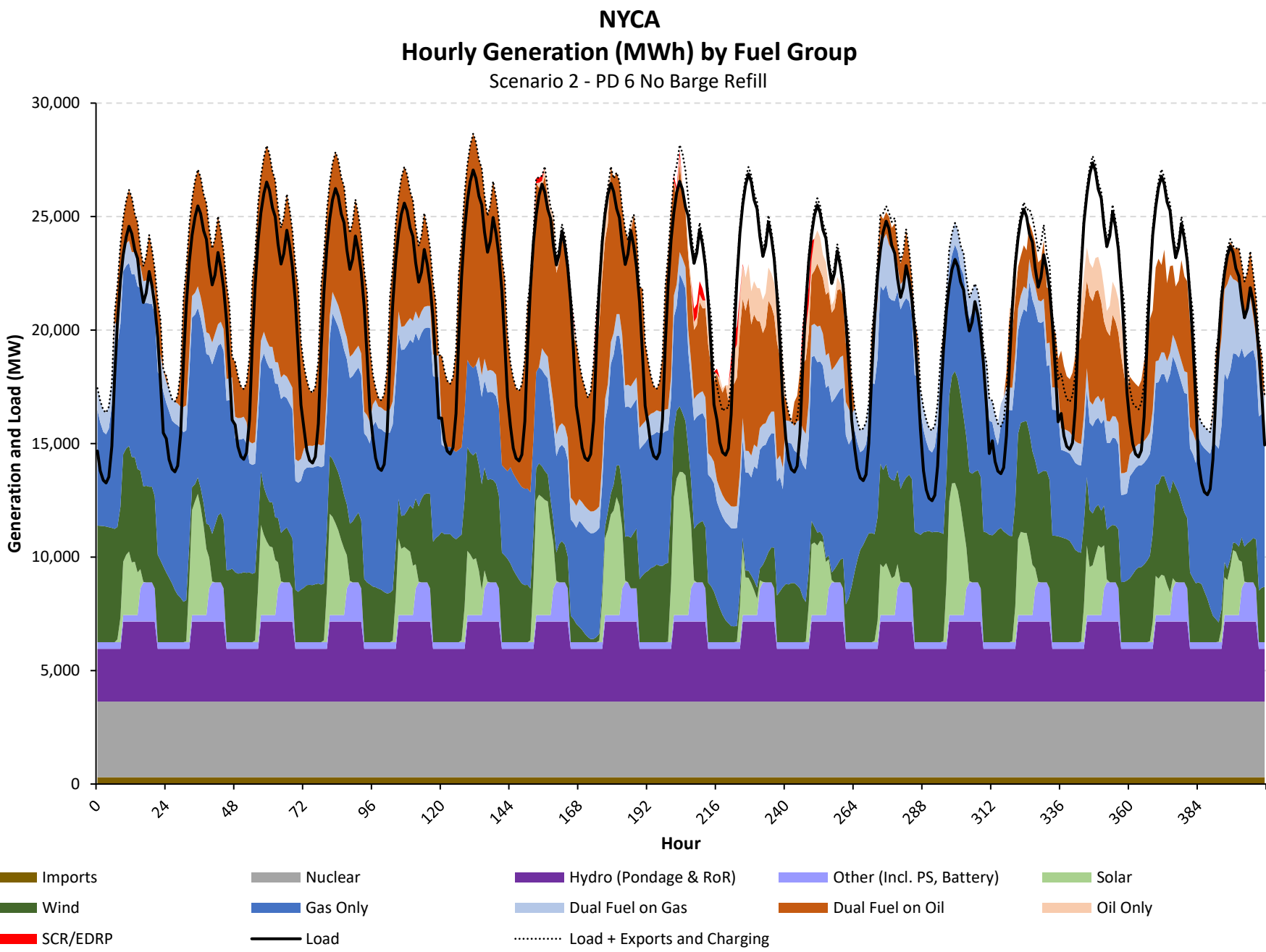


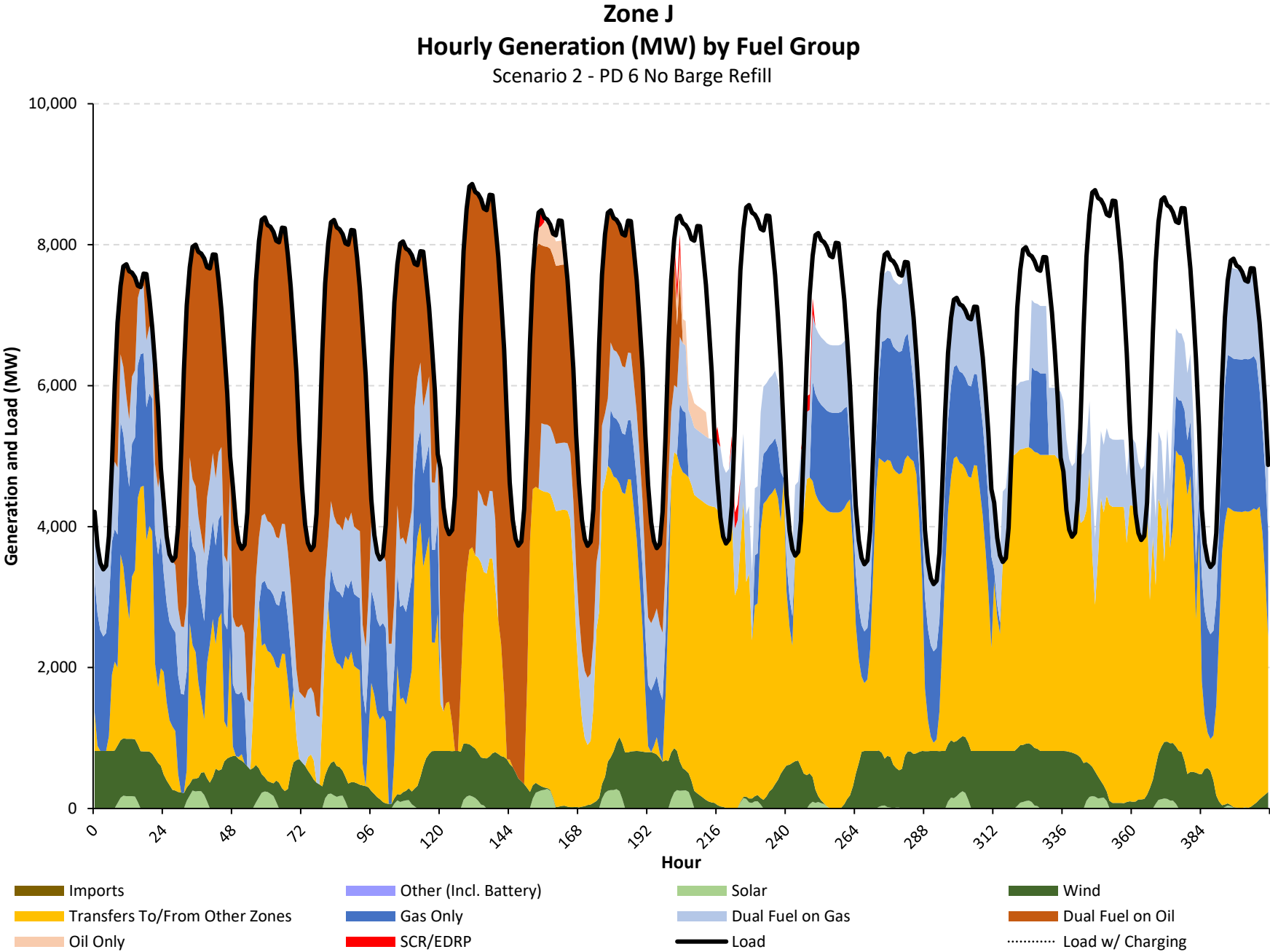
Full Period Results Summary

Case Name: Scenario 2 - PD 6 No Barge Refill

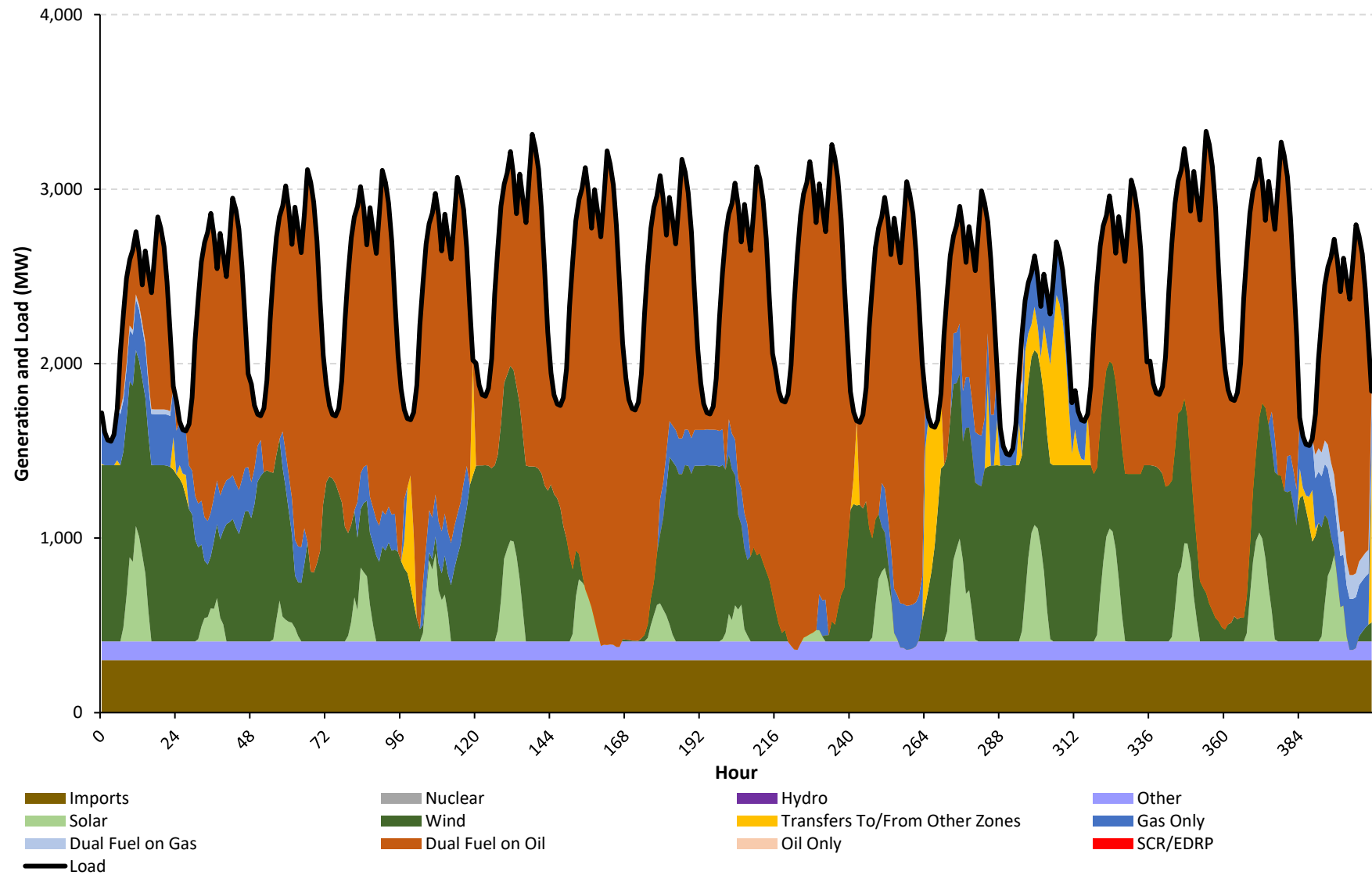
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



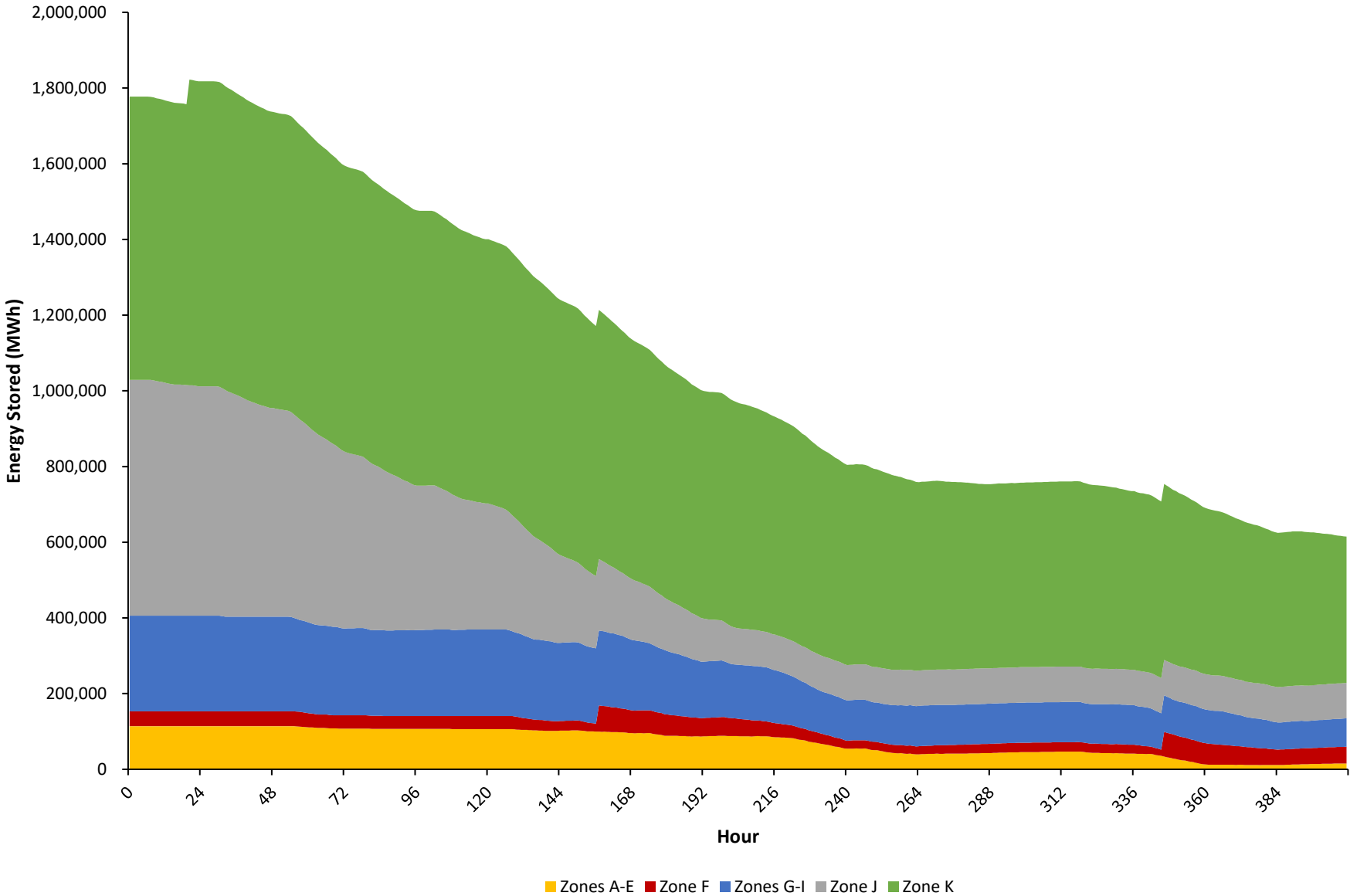


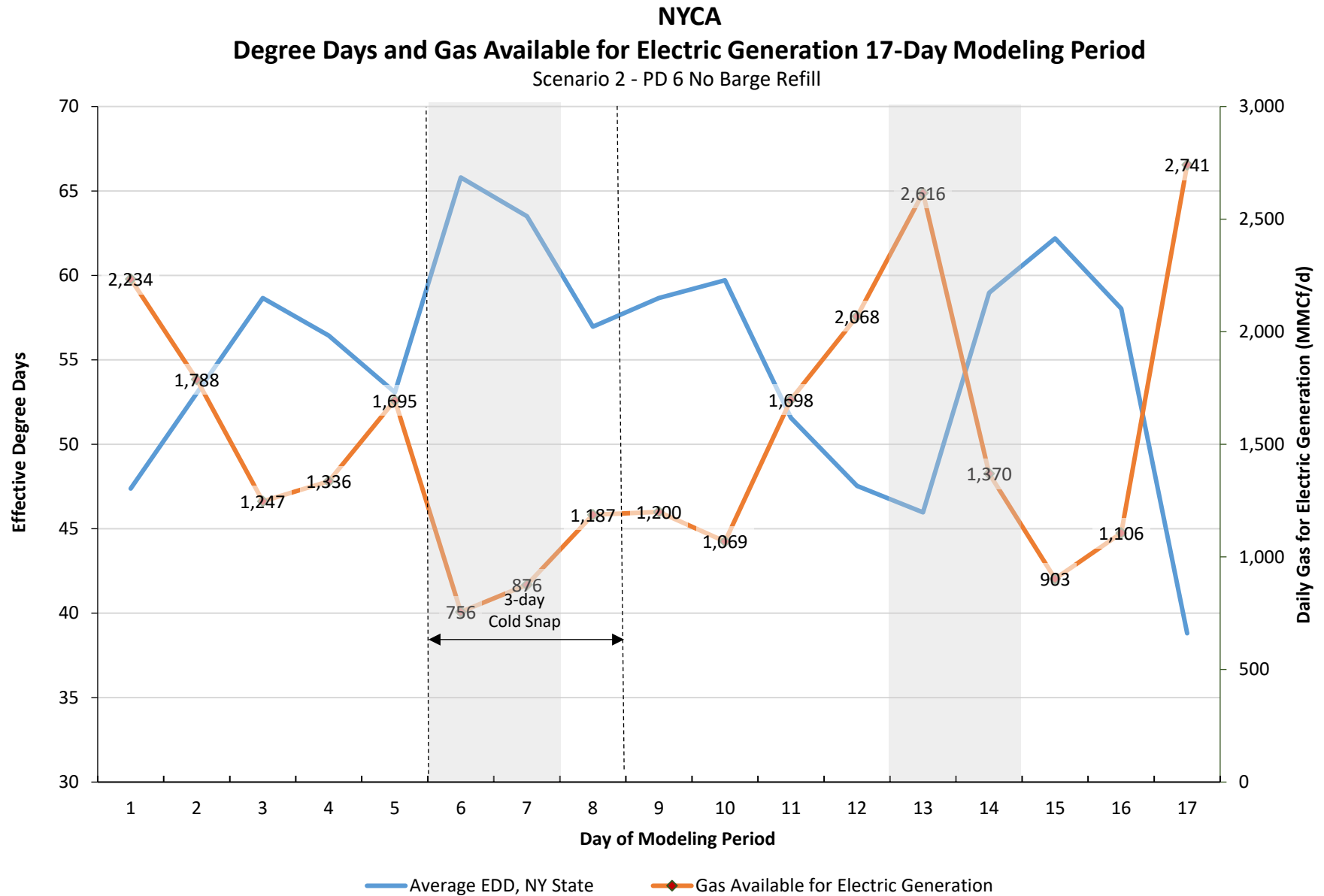


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 6 No Barge Refill



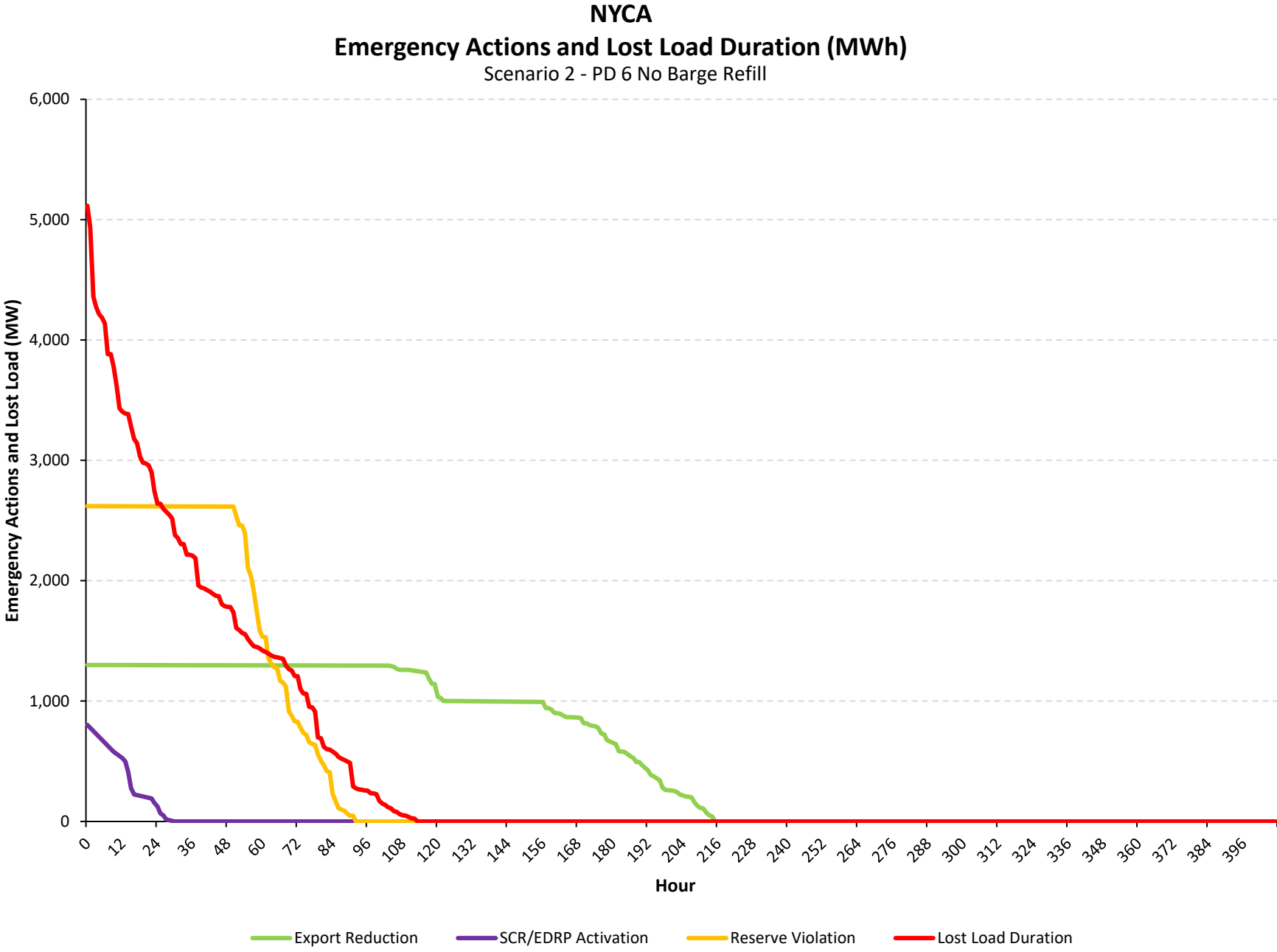
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 2 - PD 6 No Barge Refill

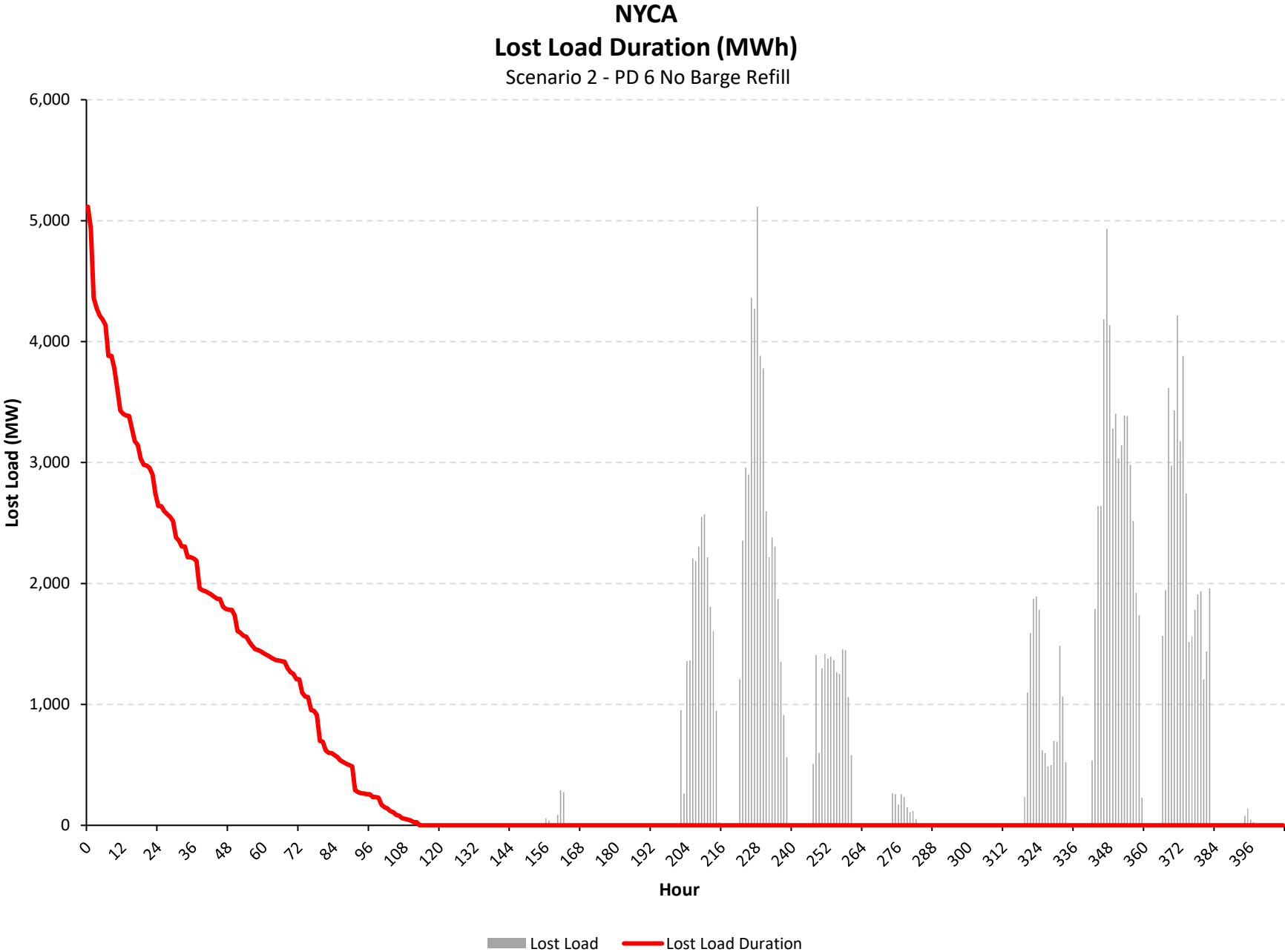




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





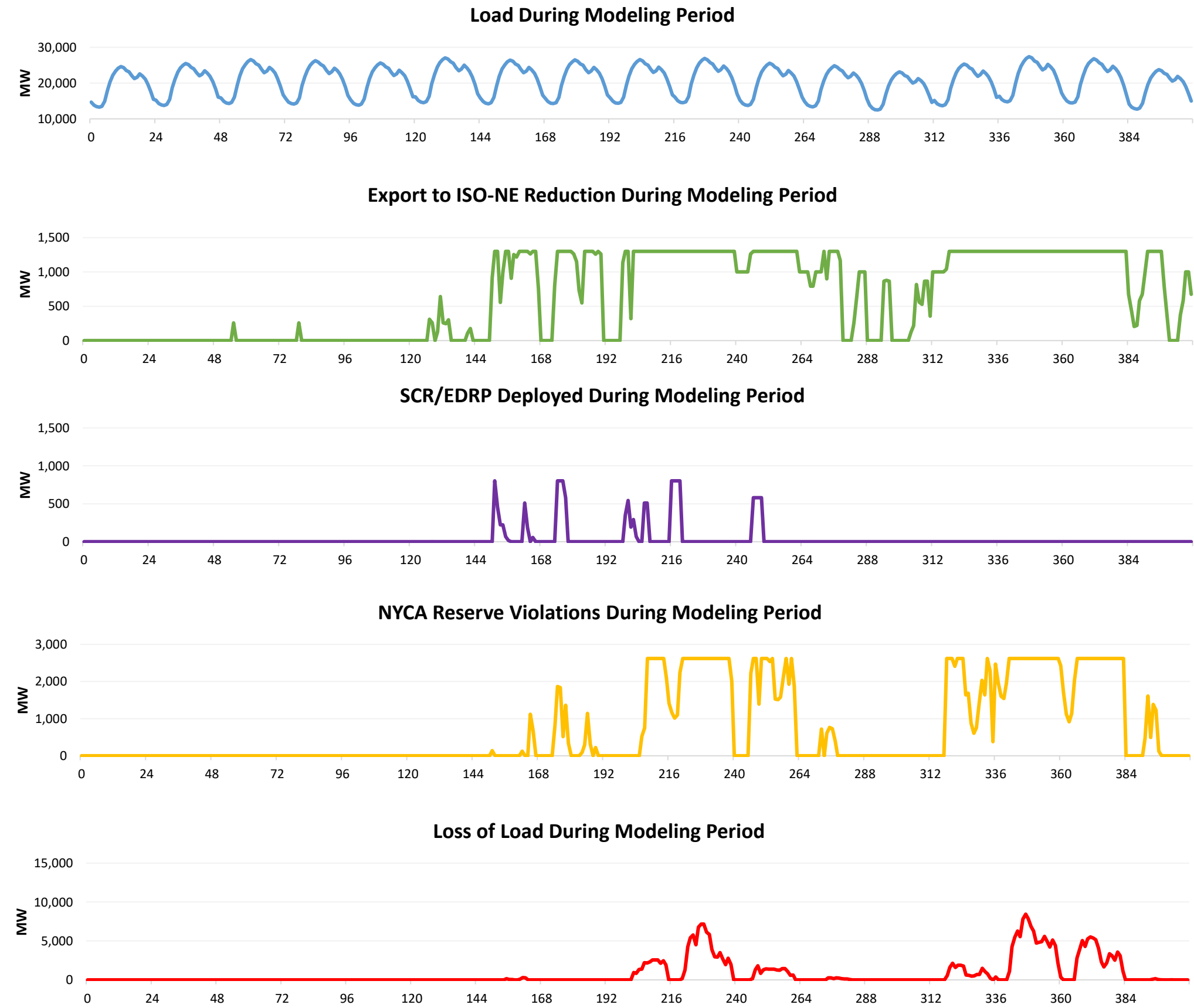


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 7 No Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 236     |
| Total MWh         | 263,250 |
| Avg. MW           | 645.2   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 28     |
| Total MWh      | 13,514 |
| Avg. MW        | 33.1   |

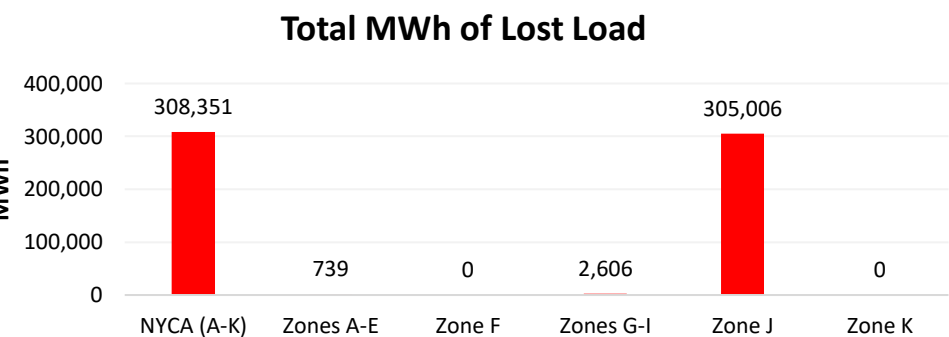
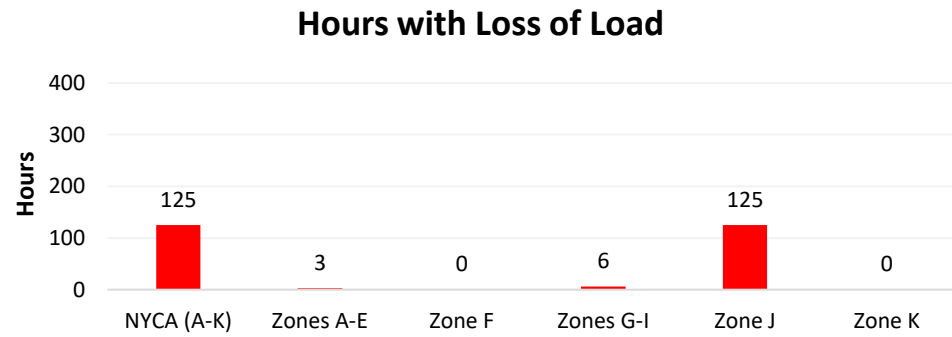
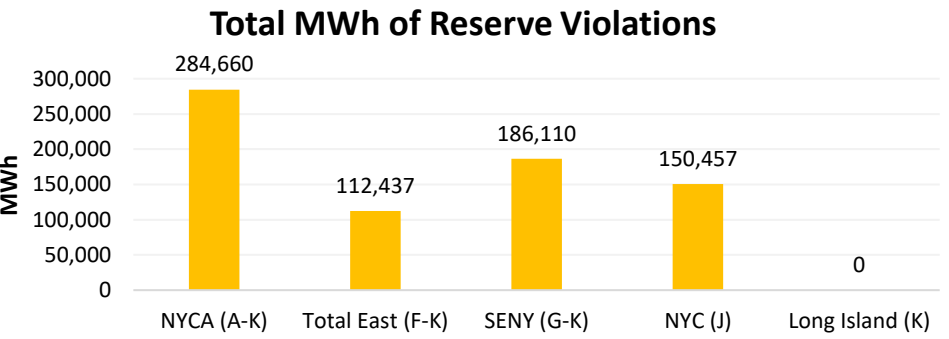
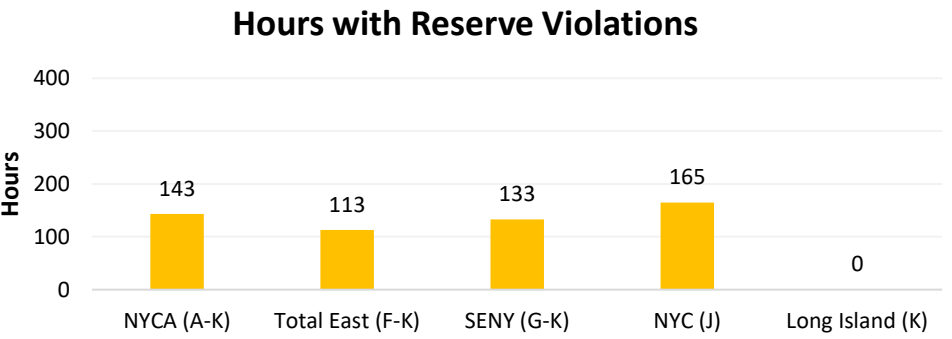
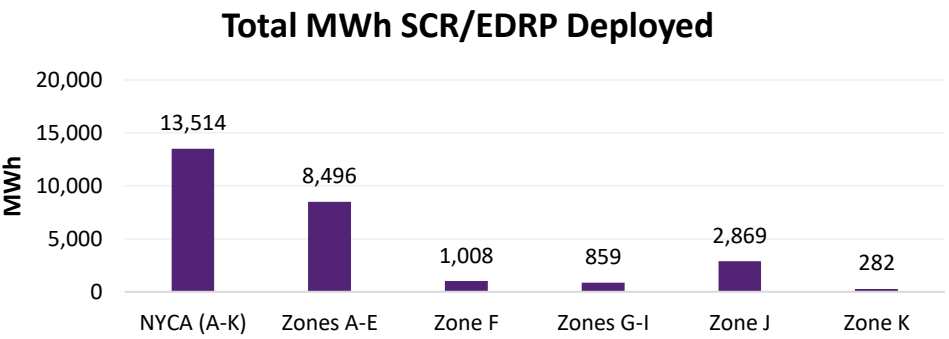
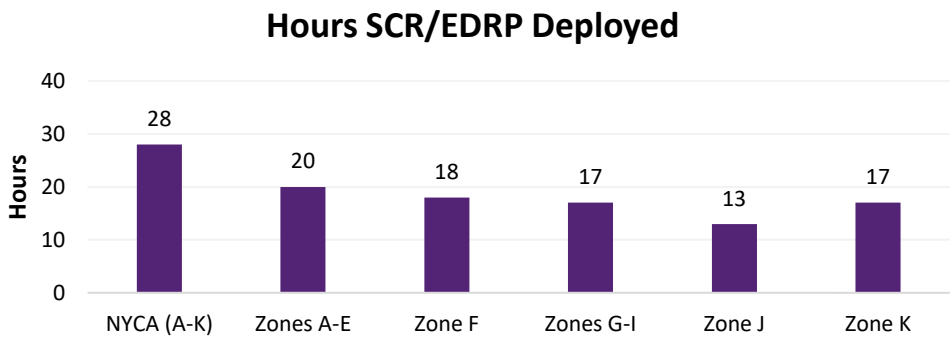
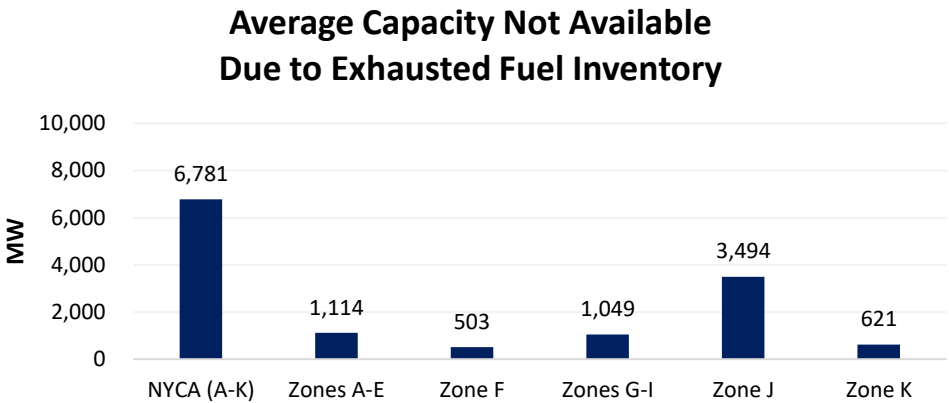
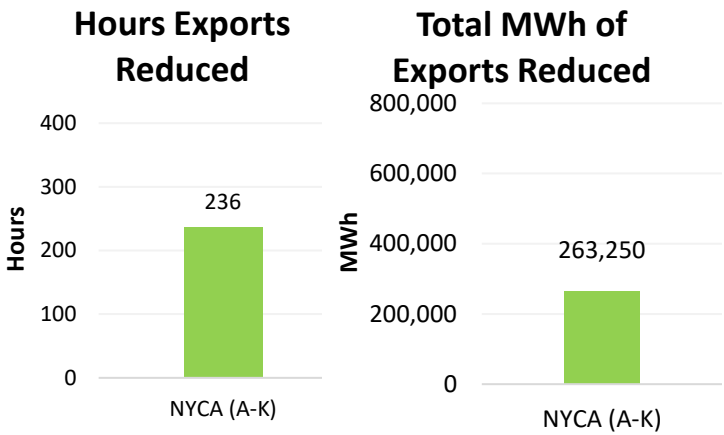
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 143     |
| Total MWh             | 284,660 |
| Avg. MW               | 697.7   |
| First Hour with Viol. | 151     |

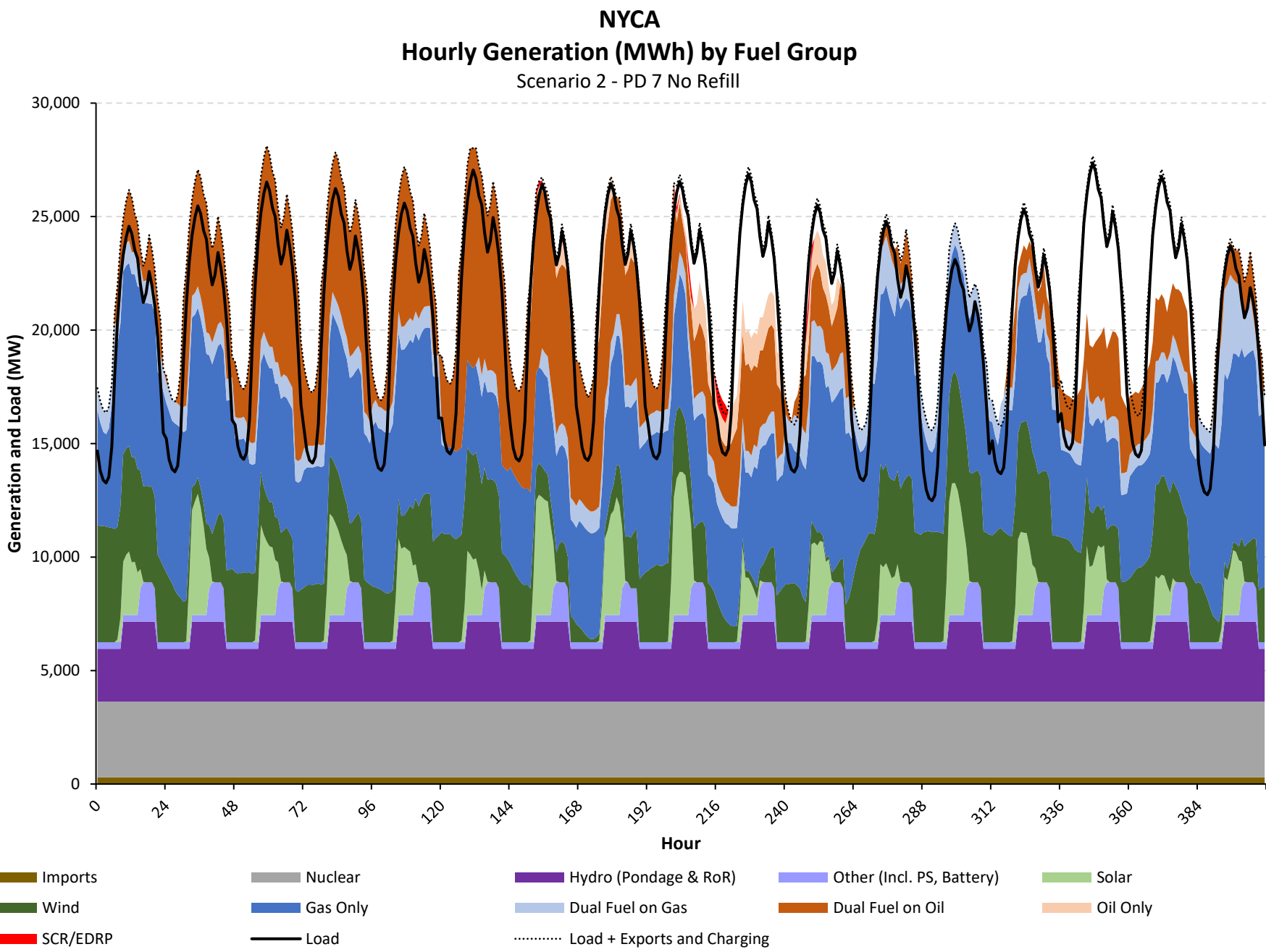
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 125     |
| Total MWh              | 308,351 |
| Avg. MW                | 755.8   |
| First Hour with Losses | 155     |

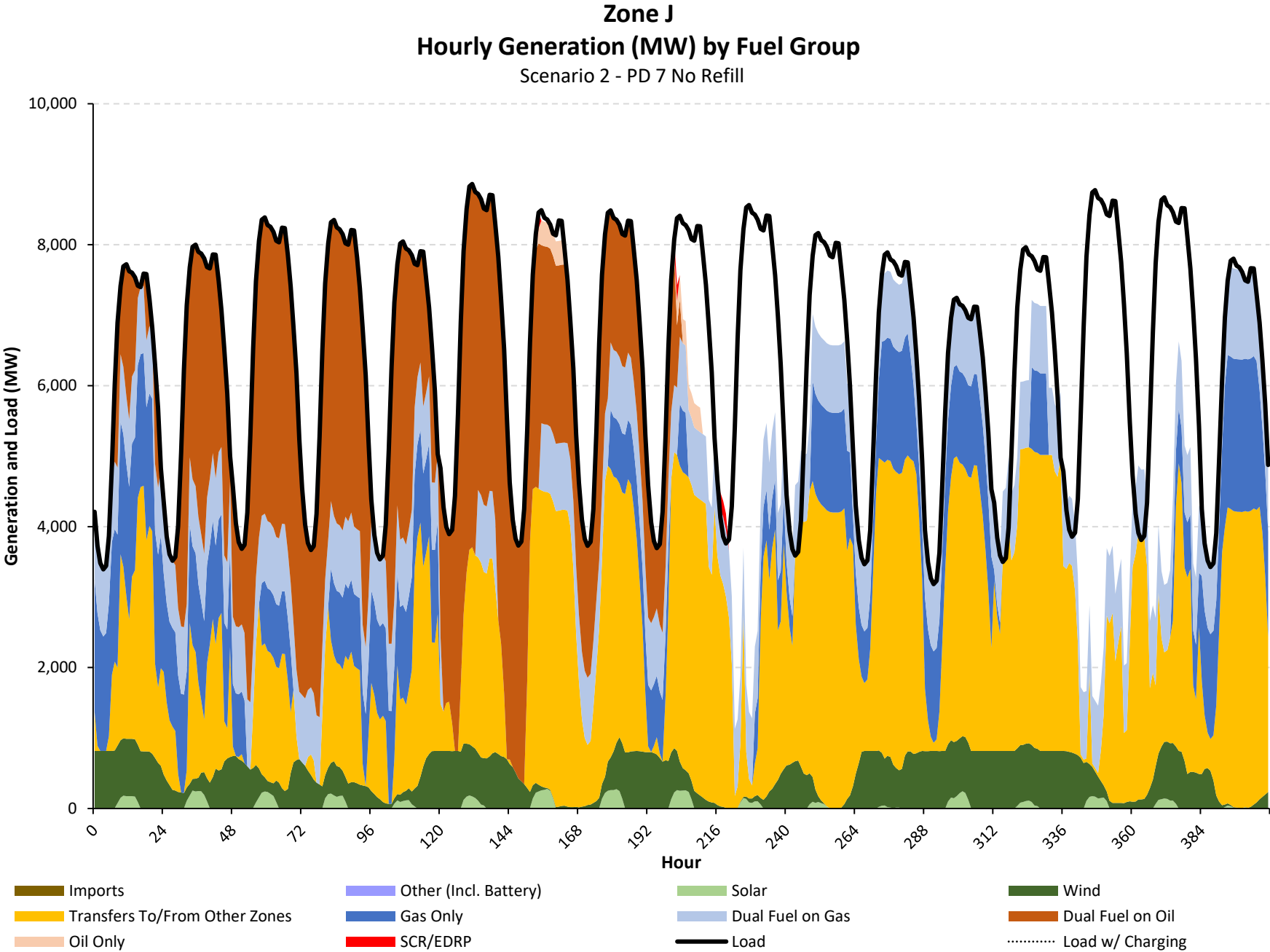
Full Period Results Summary

Case Name: Scenario 2 - PD 7 No Refill

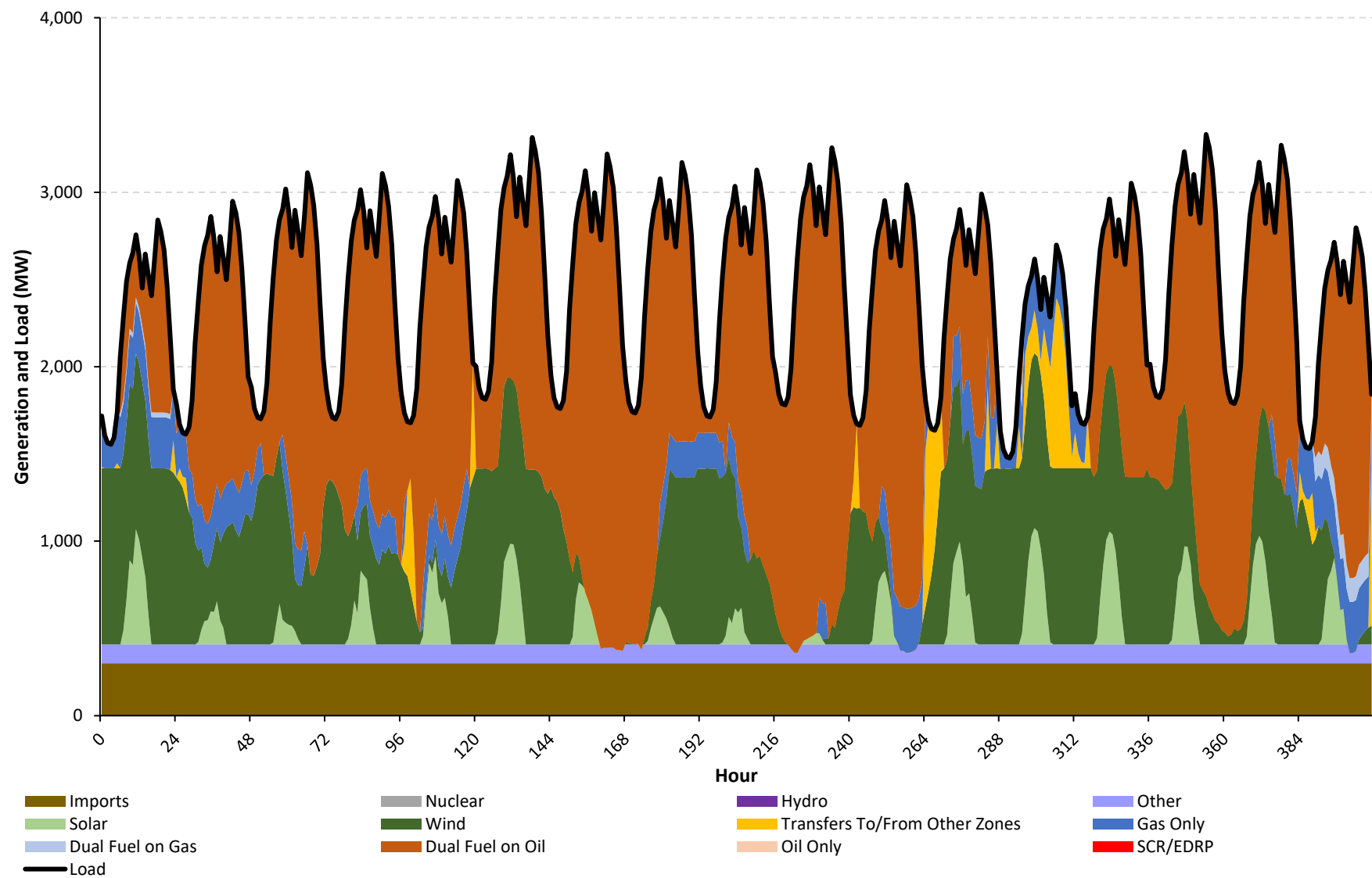
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



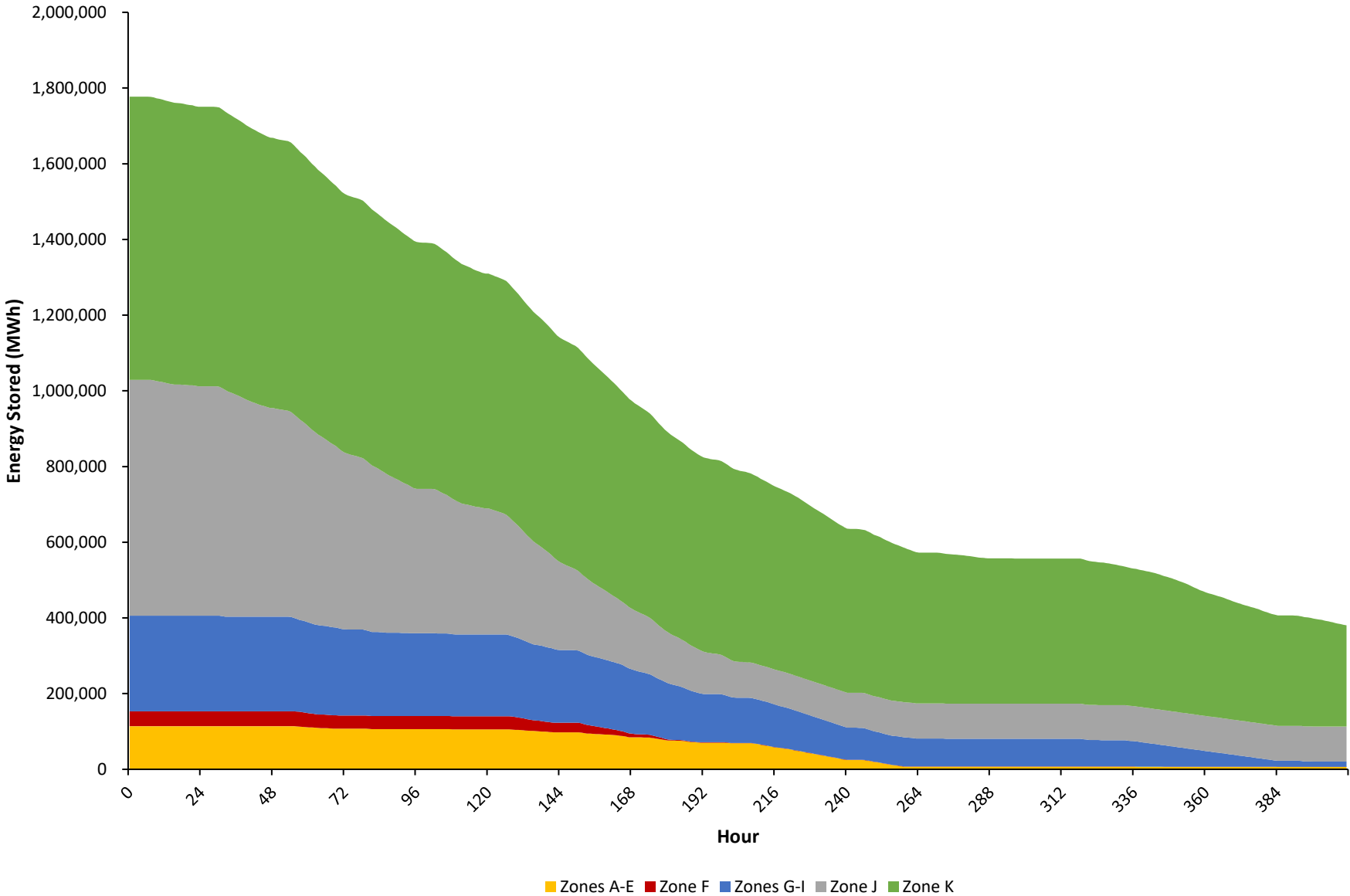


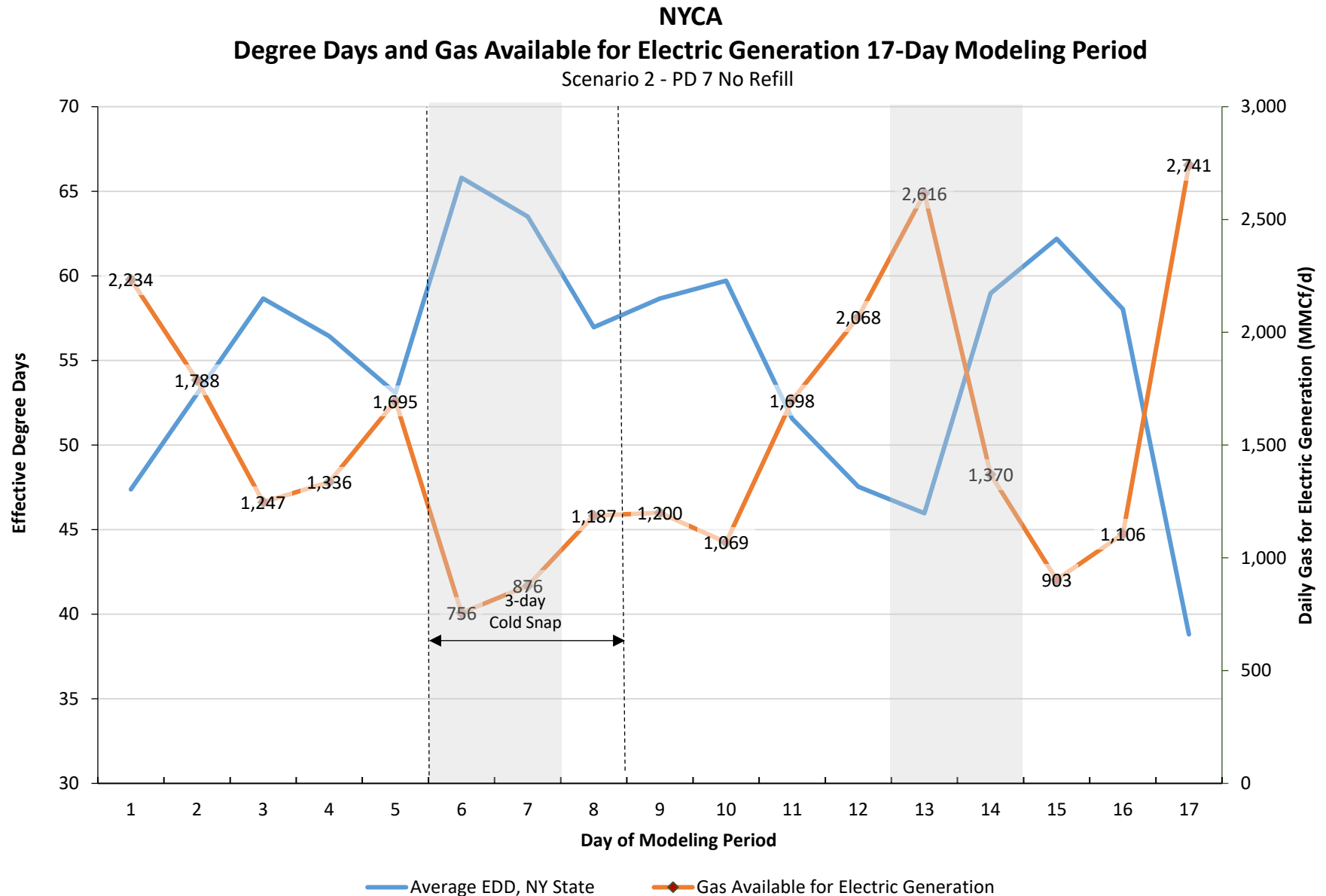


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 2 - PD 7 No Refill



**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 2 - PD 7 No Refill



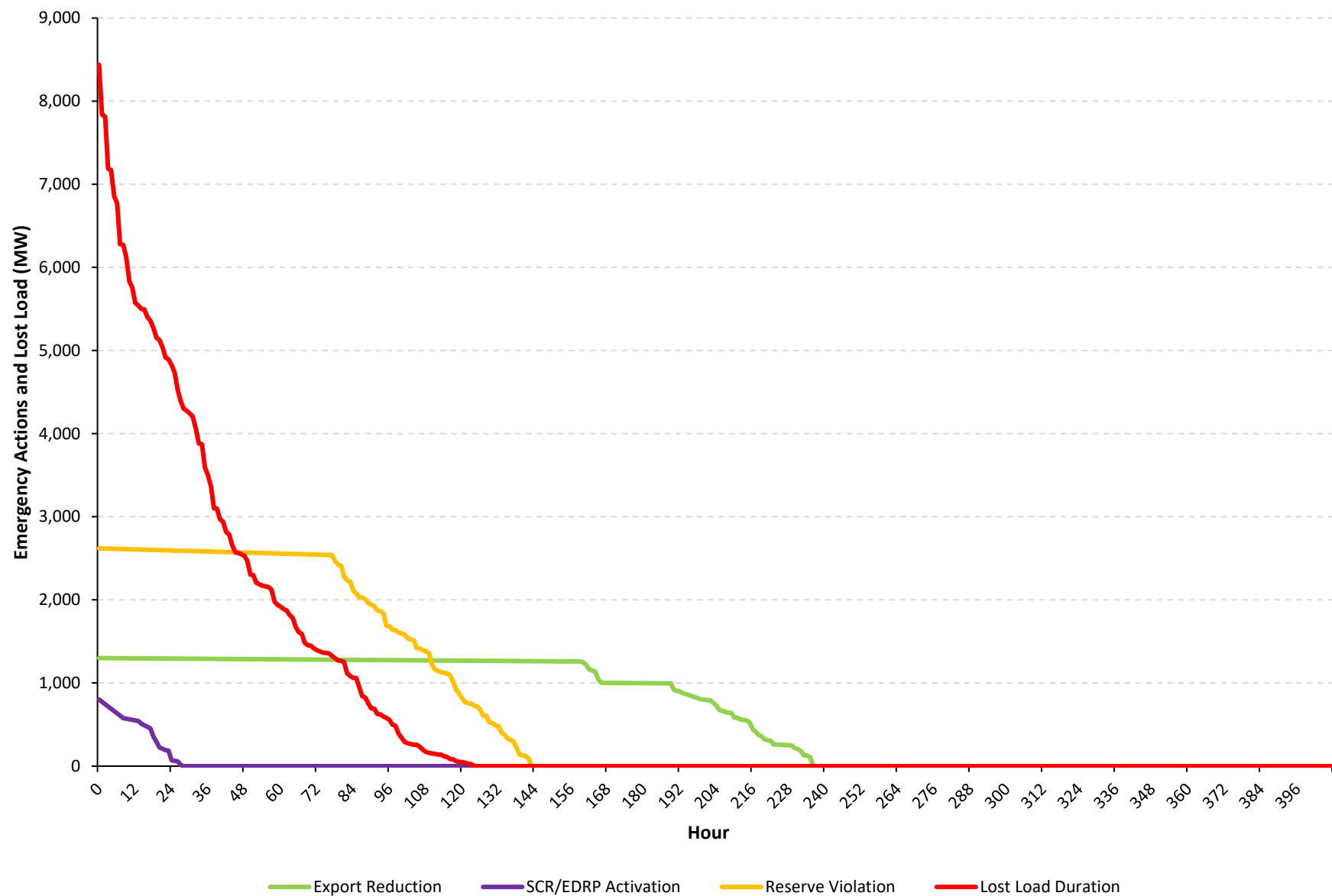


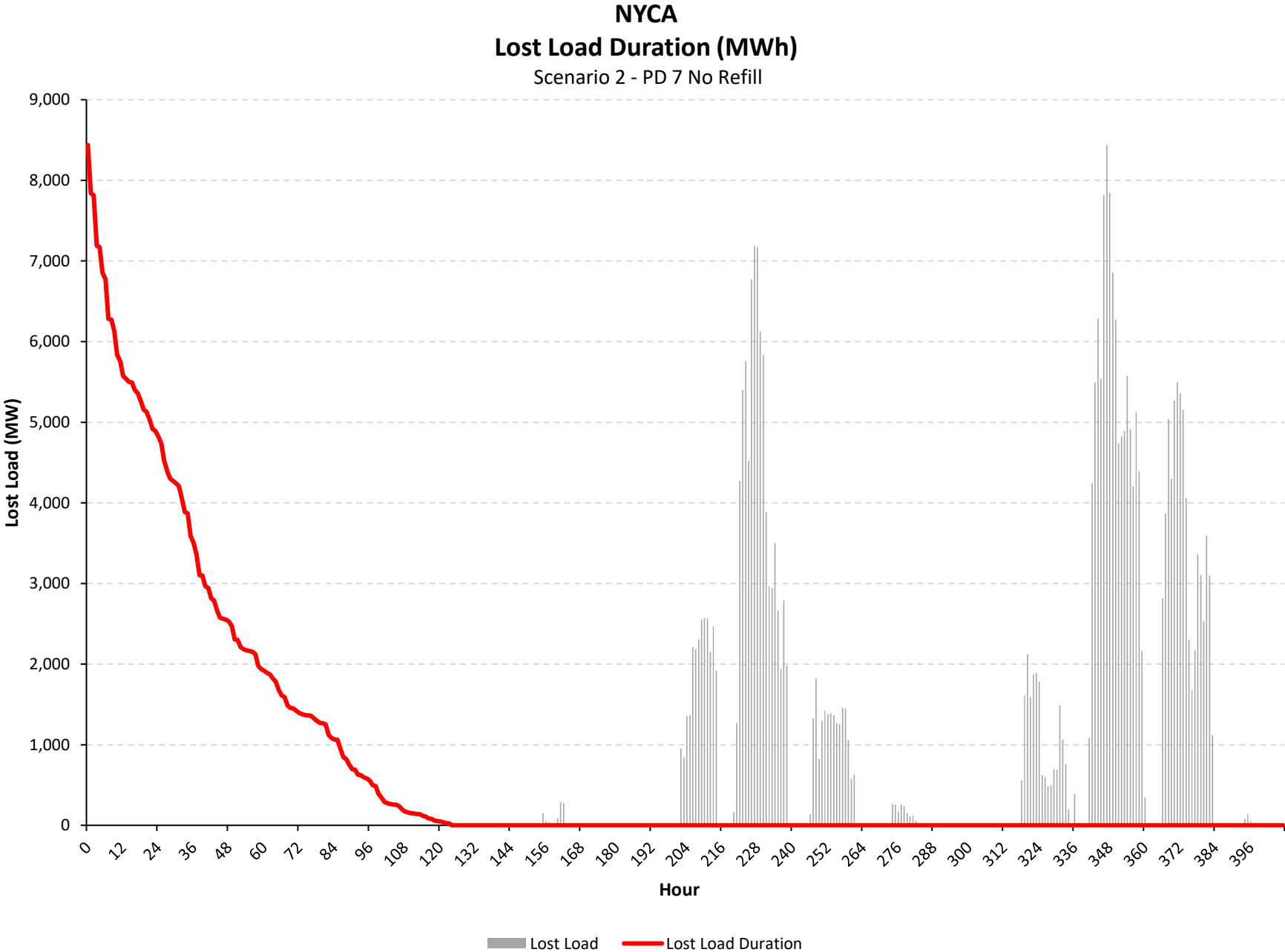
**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 2 - PD 7 No Refill



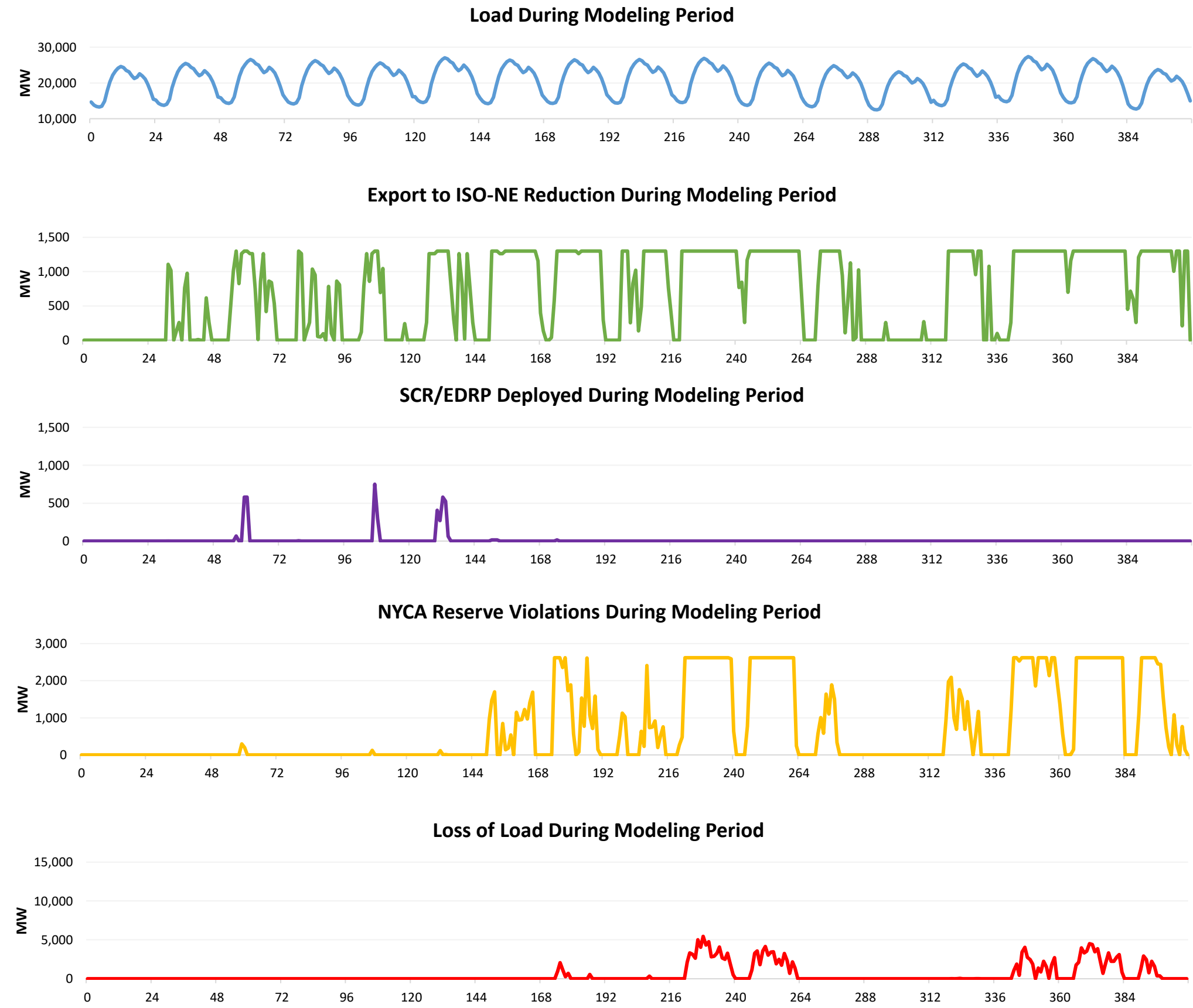


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 268     |
| Total MWh         | 287,824 |
| Avg. MW           | 705.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 4,183 |
| Avg. MW        | 10.3  |

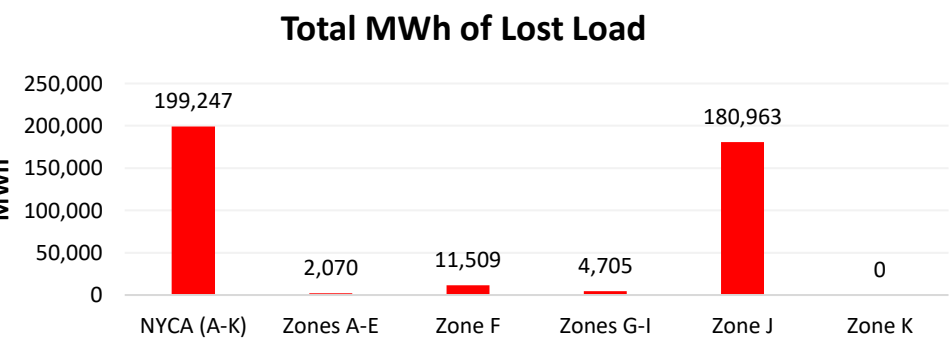
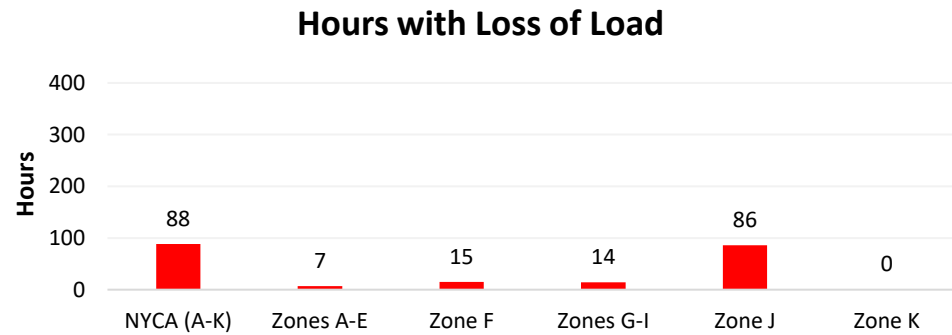
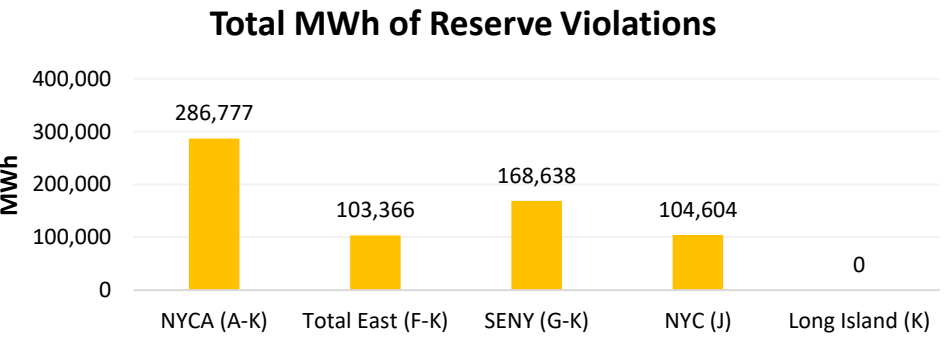
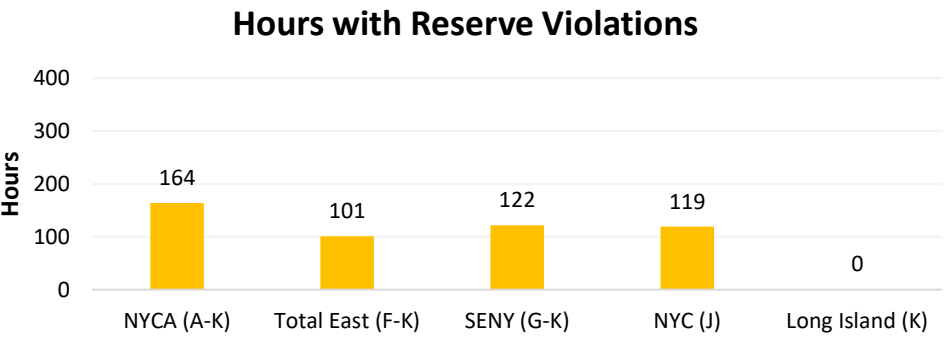
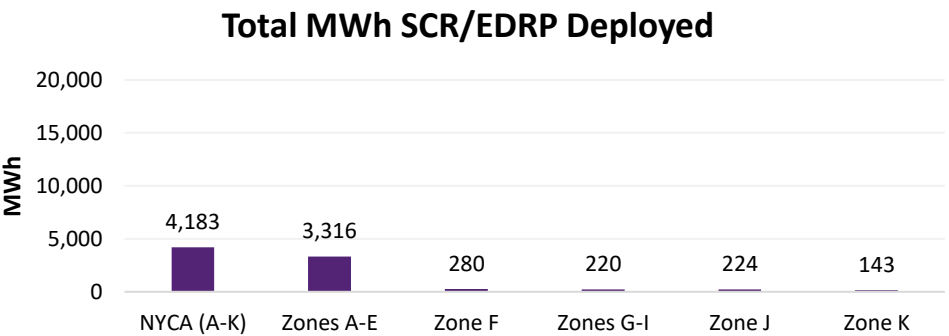
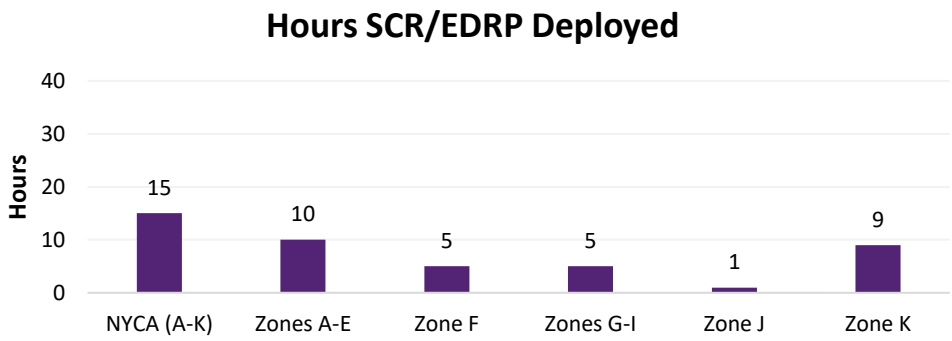
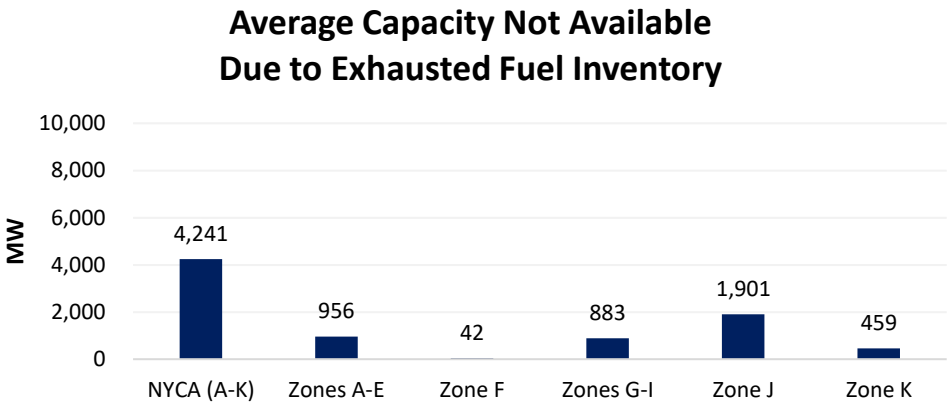
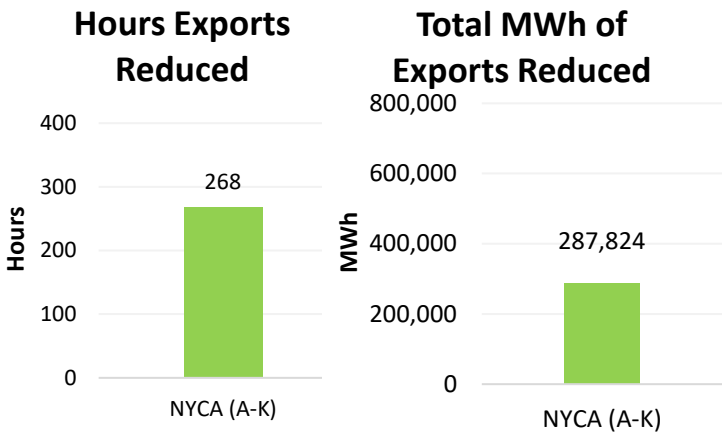
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 164     |
| Total MWh             | 286,777 |
| Avg. MW               | 702.9   |
| First Hour with Viol. | 59      |

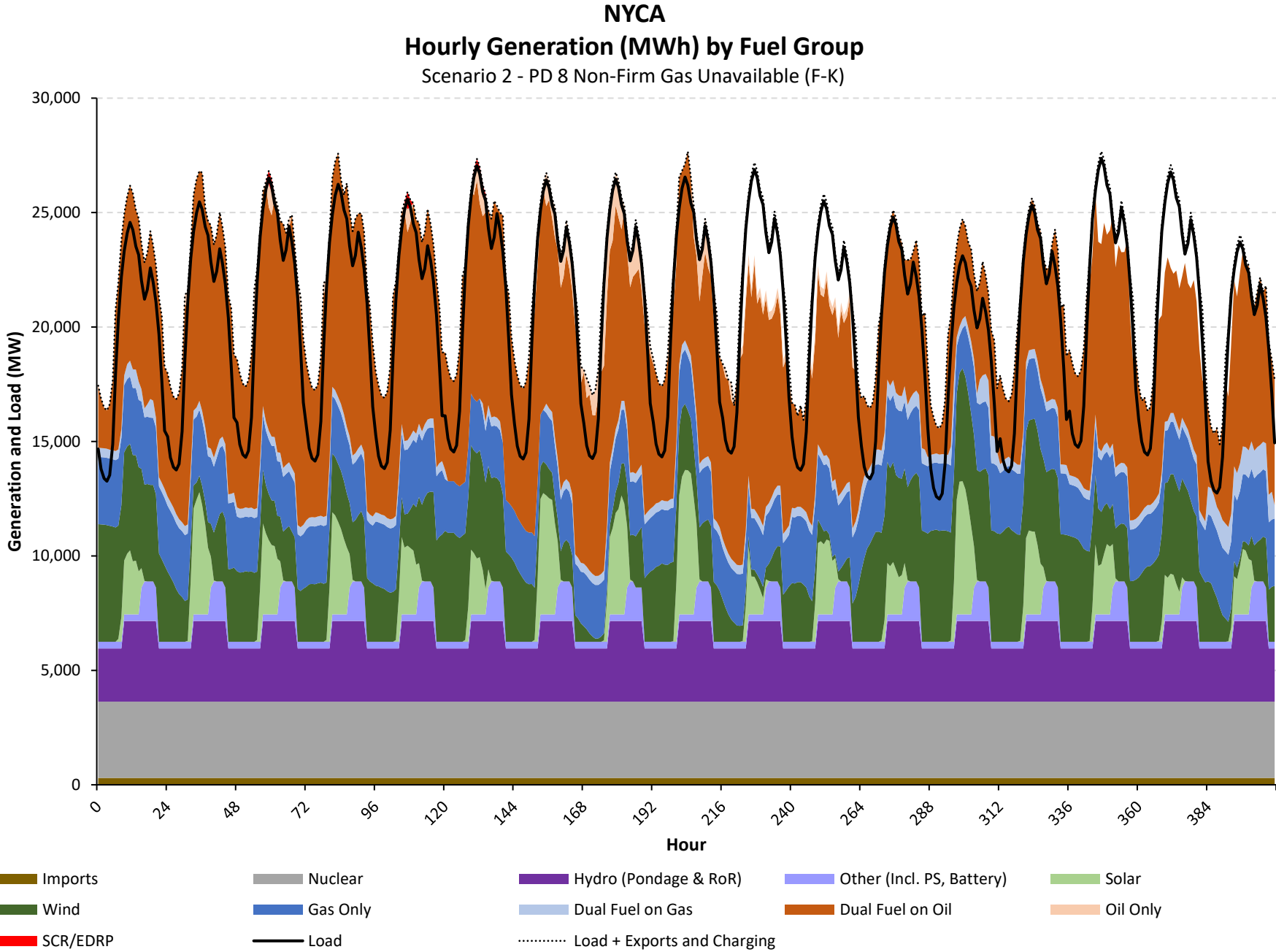
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 88      |
| Total MWh              | 199,247 |
| Avg. MW                | 488.3   |
| First Hour with Losses | 174     |

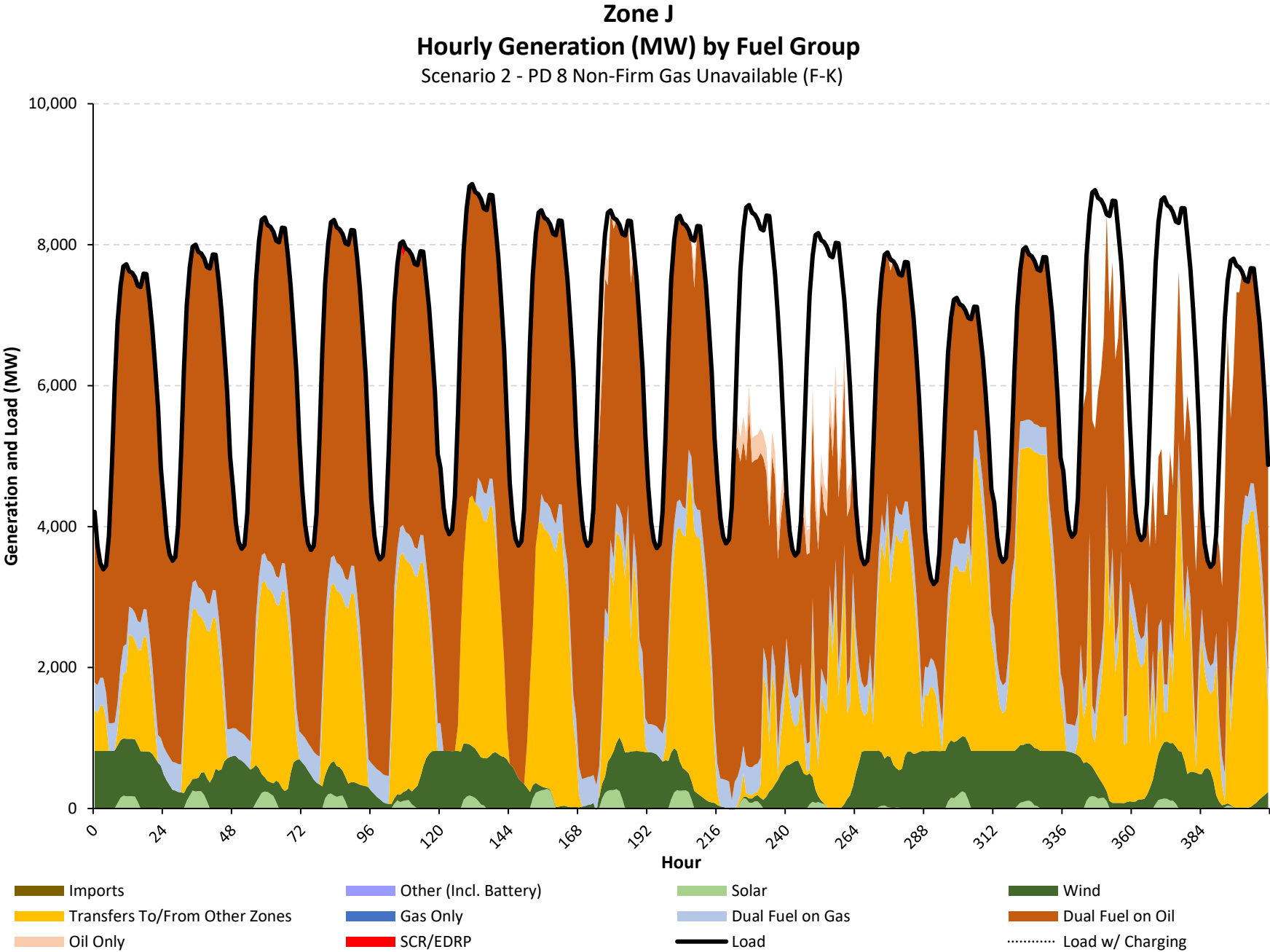
Full Period Results Summary

Case Name: Scenario 2 - PD 8 Non-Firm Gas Unavailable (F-K)

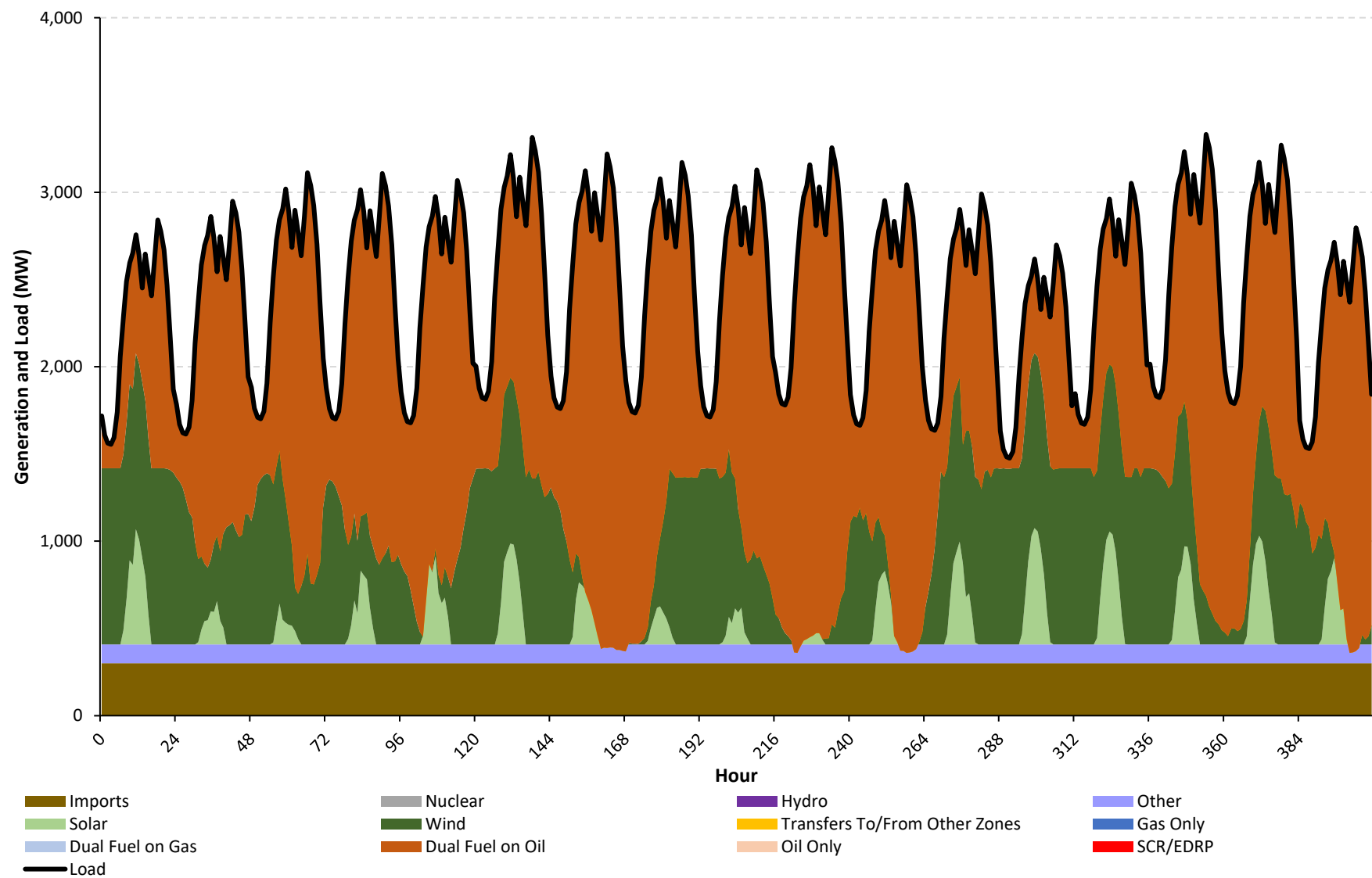
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



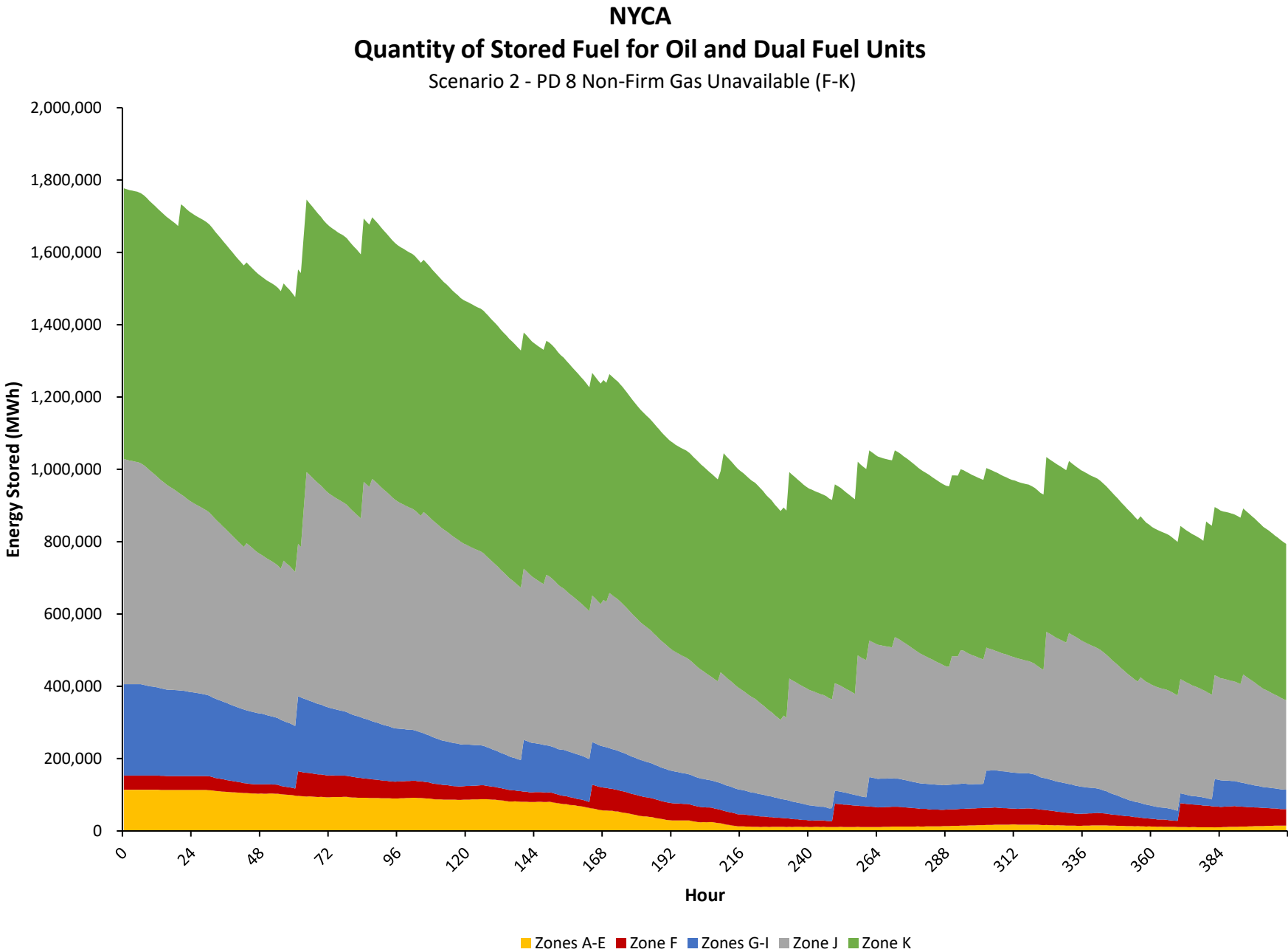


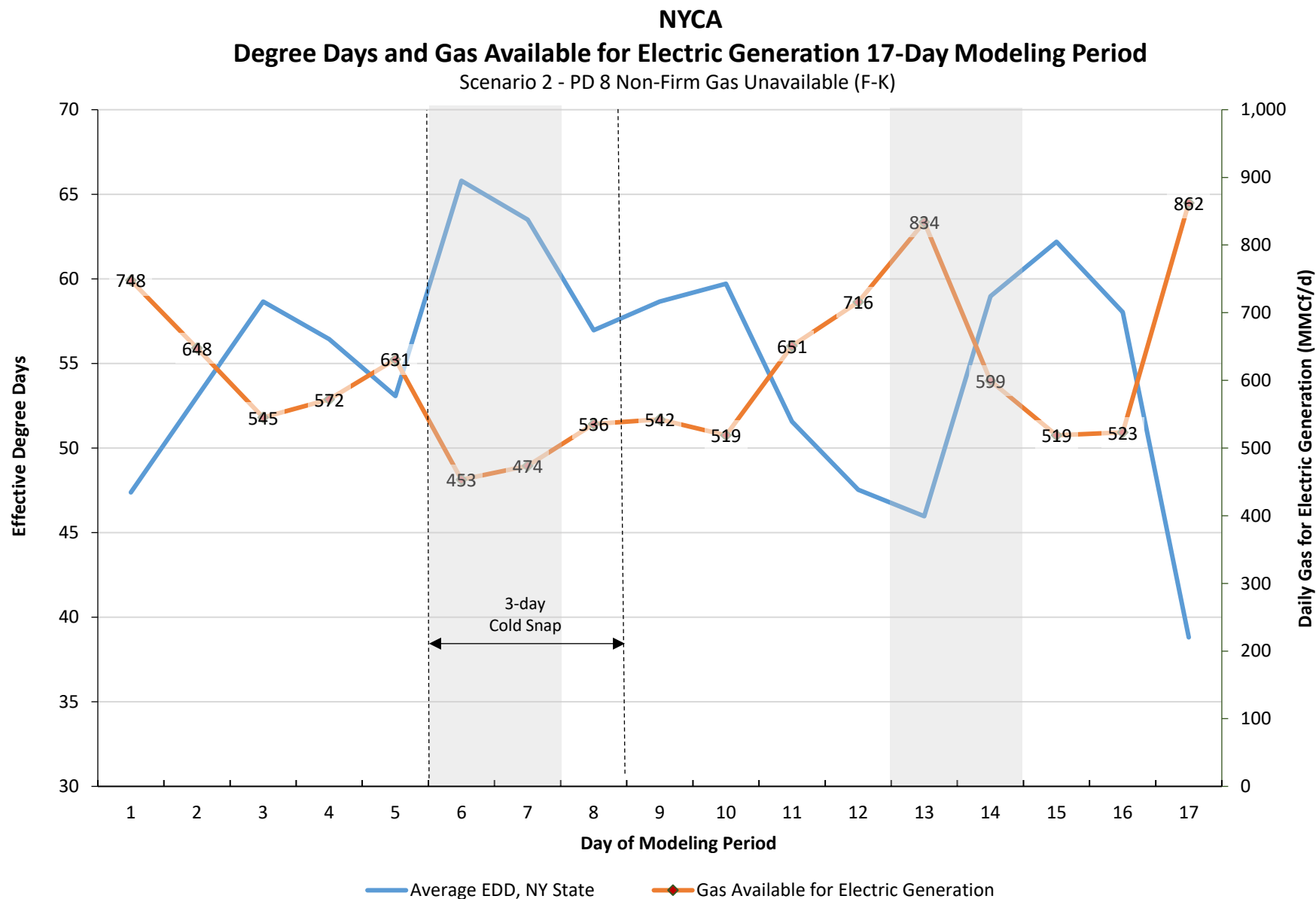


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 8 Non-Firm Gas Unavailable (F-K)





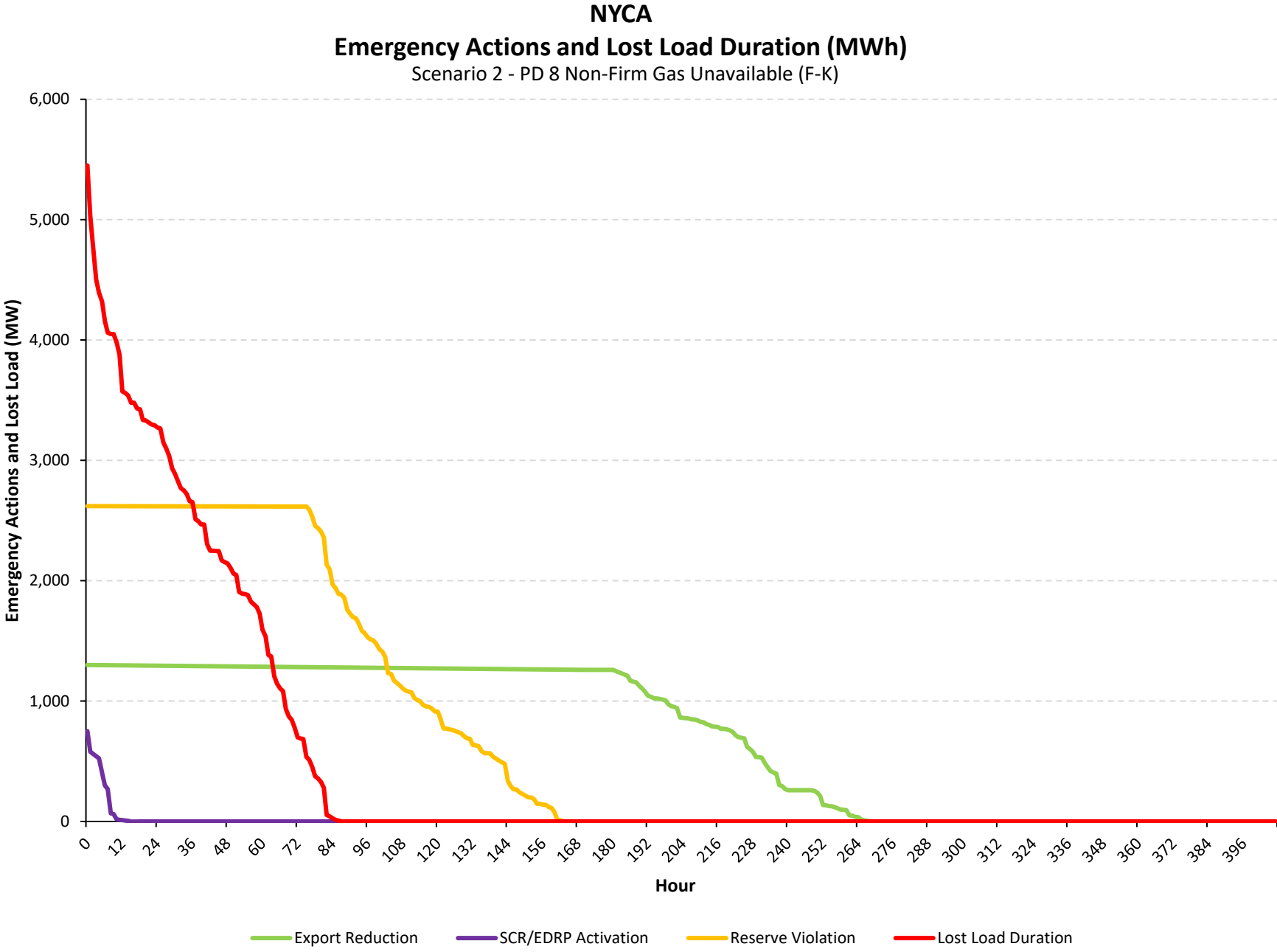


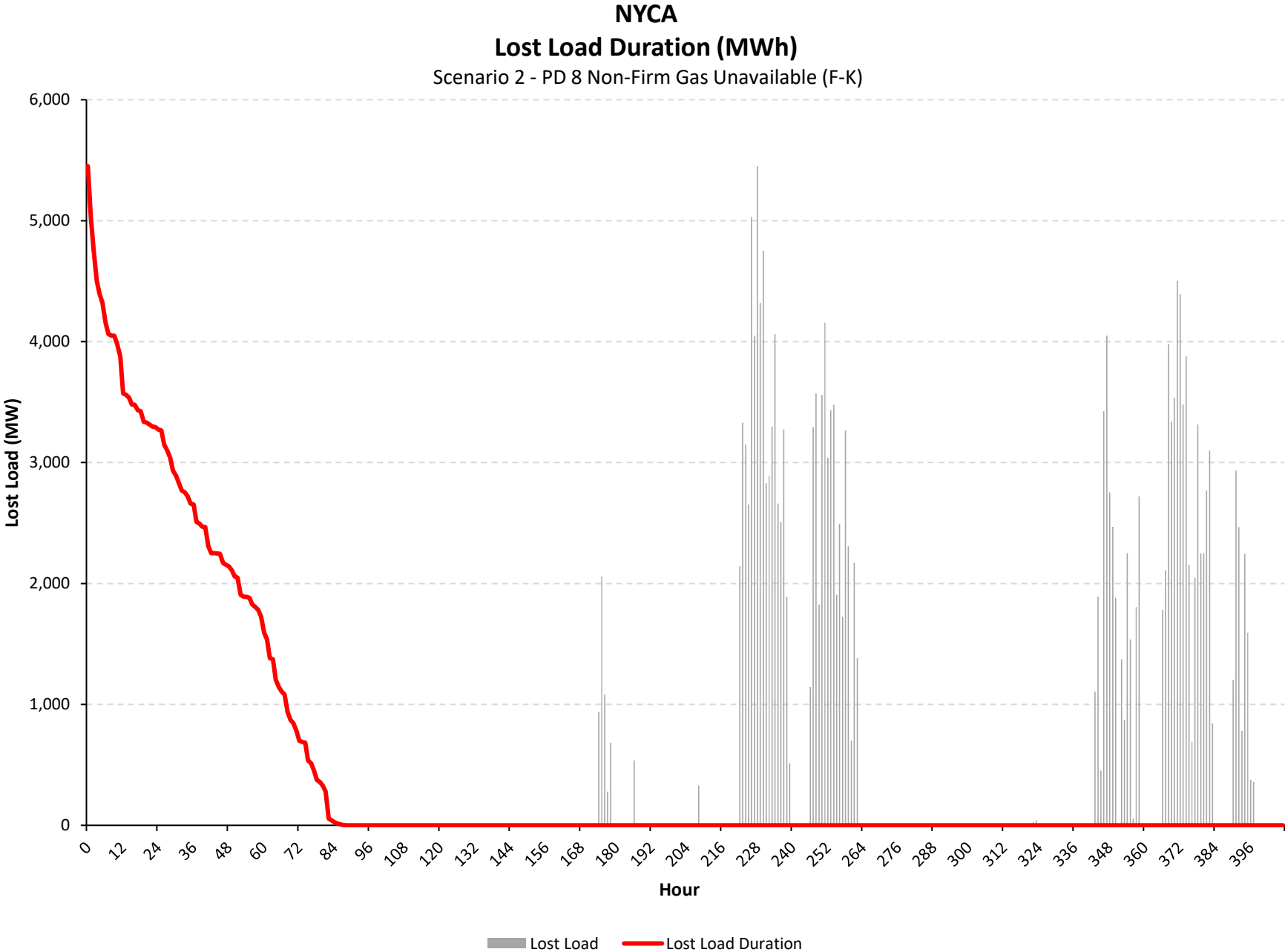


**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.



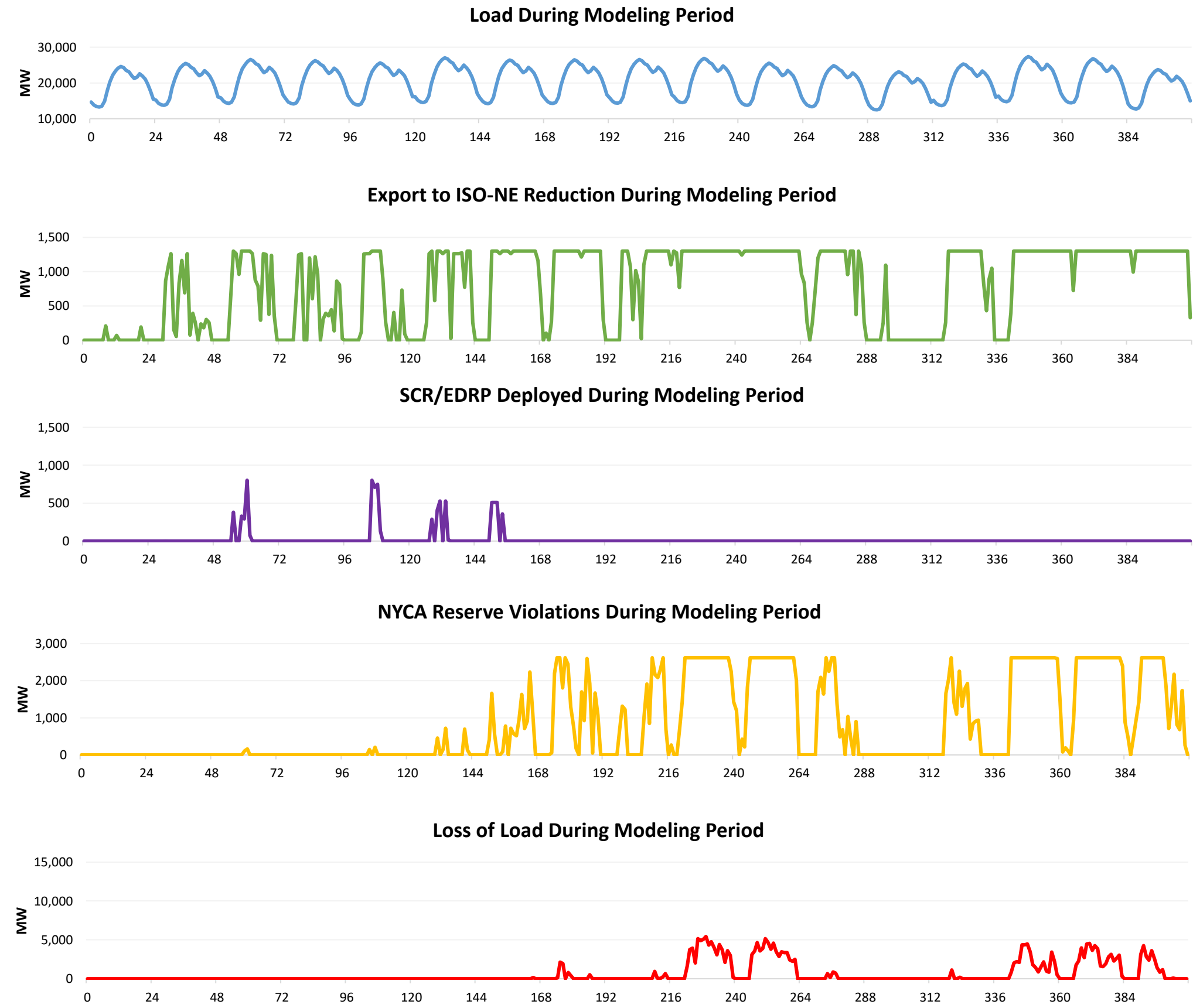


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 298     |
| Total MWh         | 326,348 |
| Avg. MW           | 799.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 18    |
| Total MWh      | 7,924 |
| Avg. MW        | 19.4  |

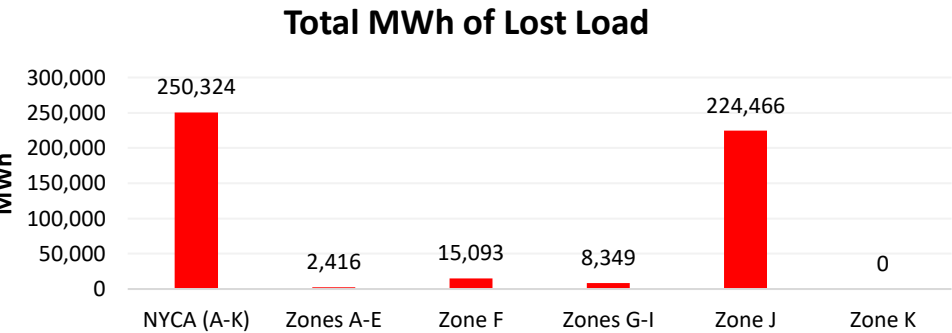
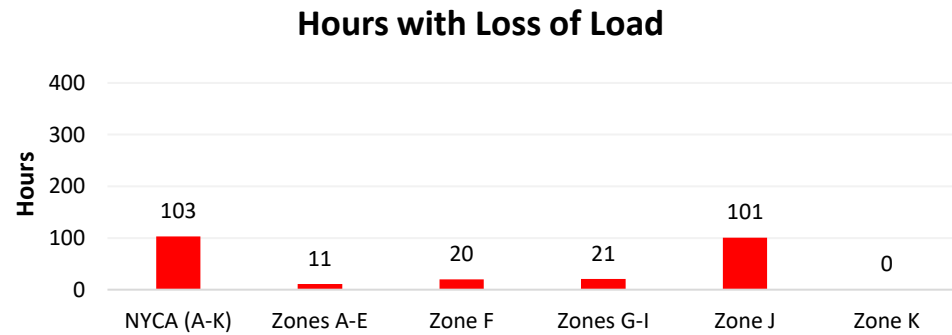
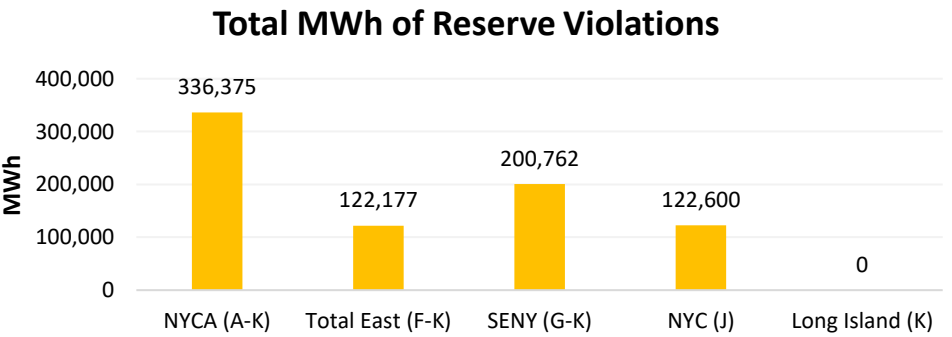
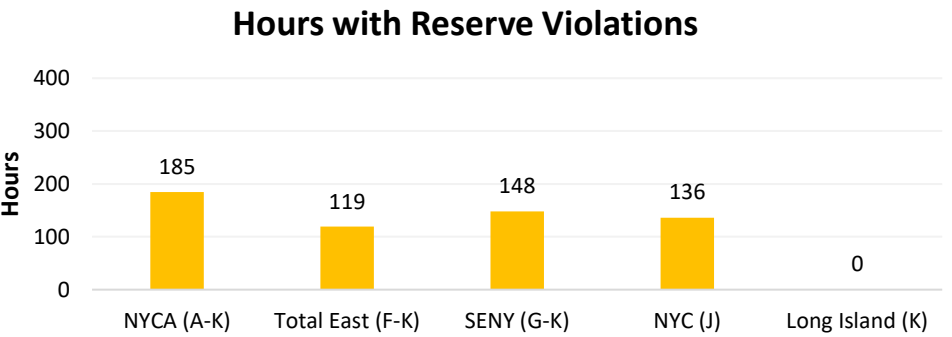
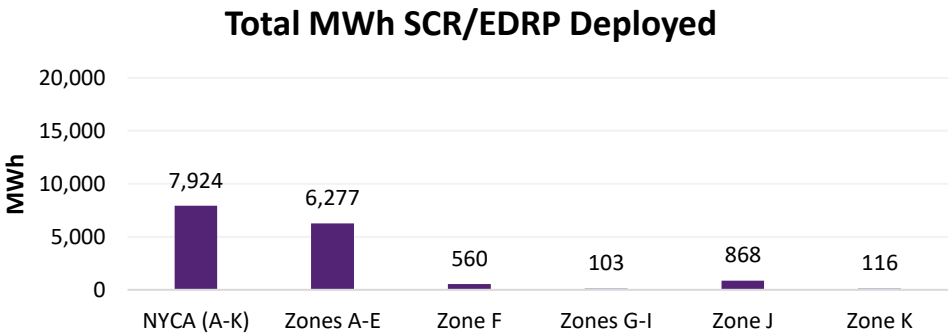
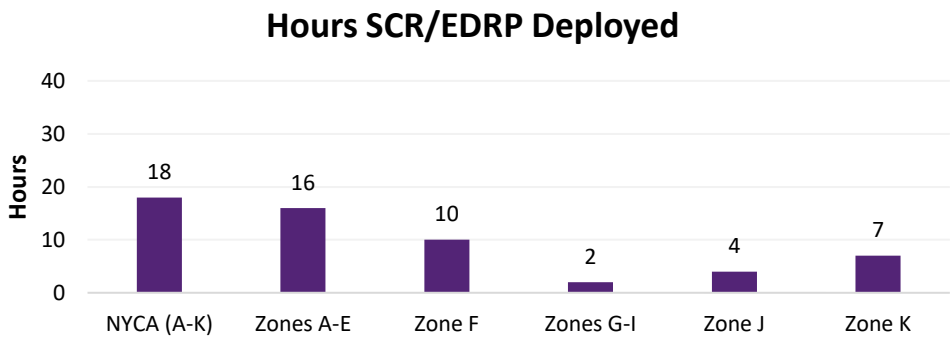
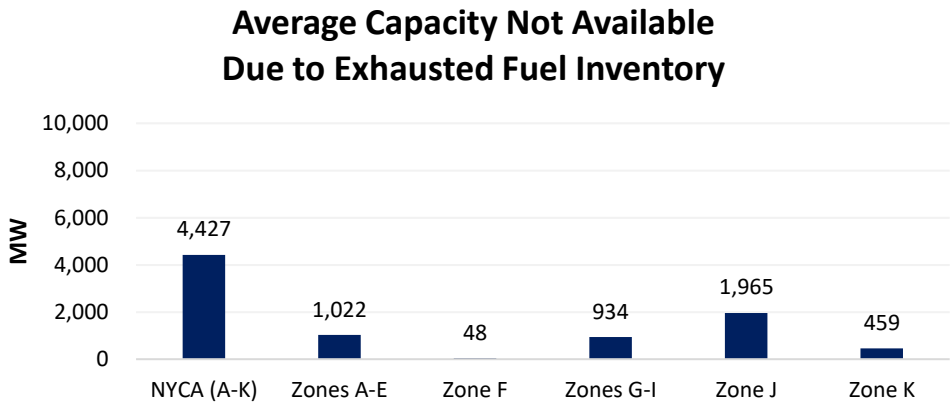
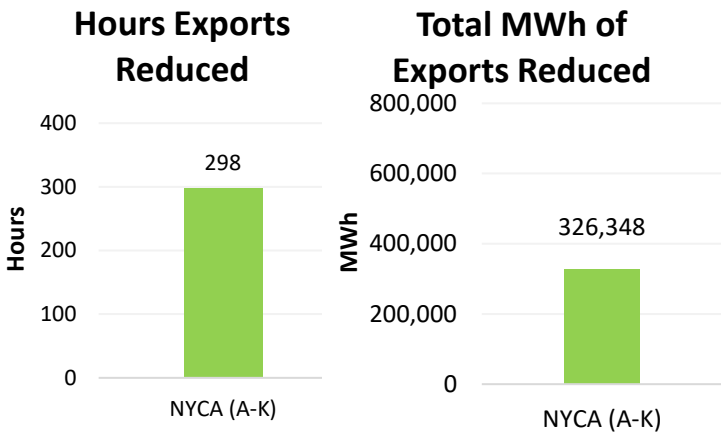
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 185     |
| Total MWh             | 336,375 |
| Avg. MW               | 824.4   |
| First Hour with Viol. | 60      |

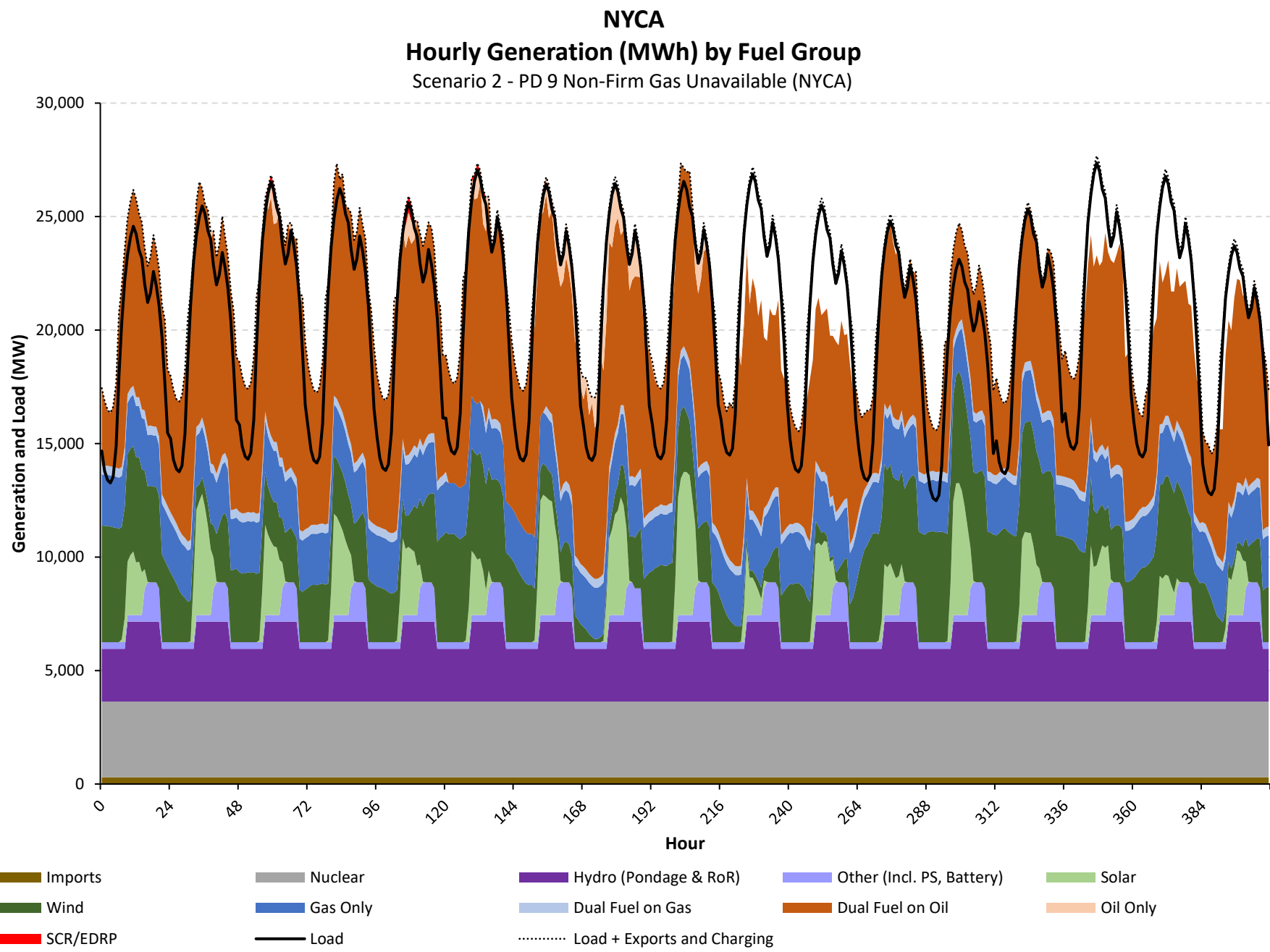
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 103     |
| Total MWh              | 250,324 |
| Avg. MW                | 613.5   |
| First Hour with Losses | 165     |

Full Period Results Summary

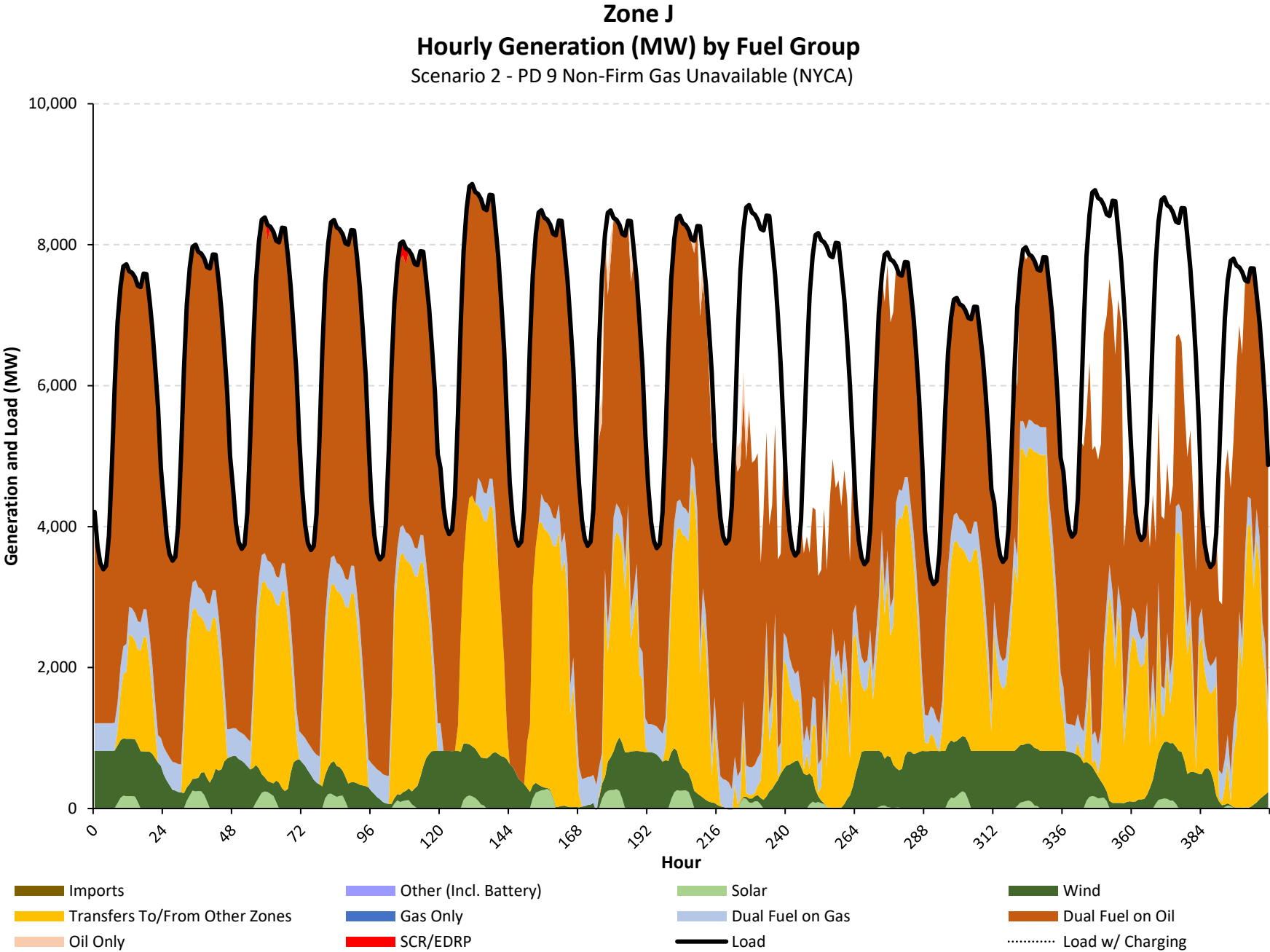
Case Name: Scenario 2 - PD 9 Non-Firm Gas Unavailable (NYCA)

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

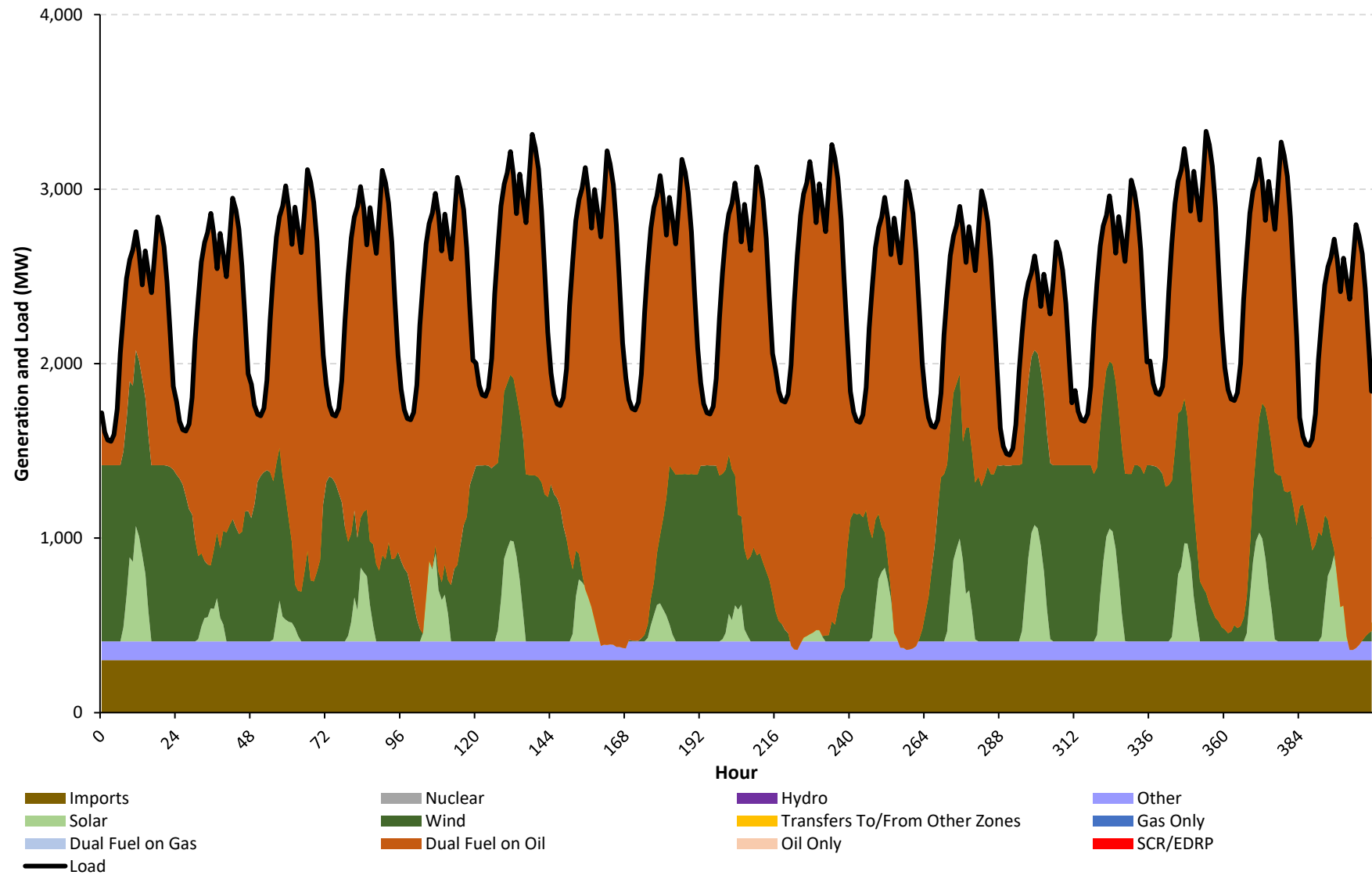


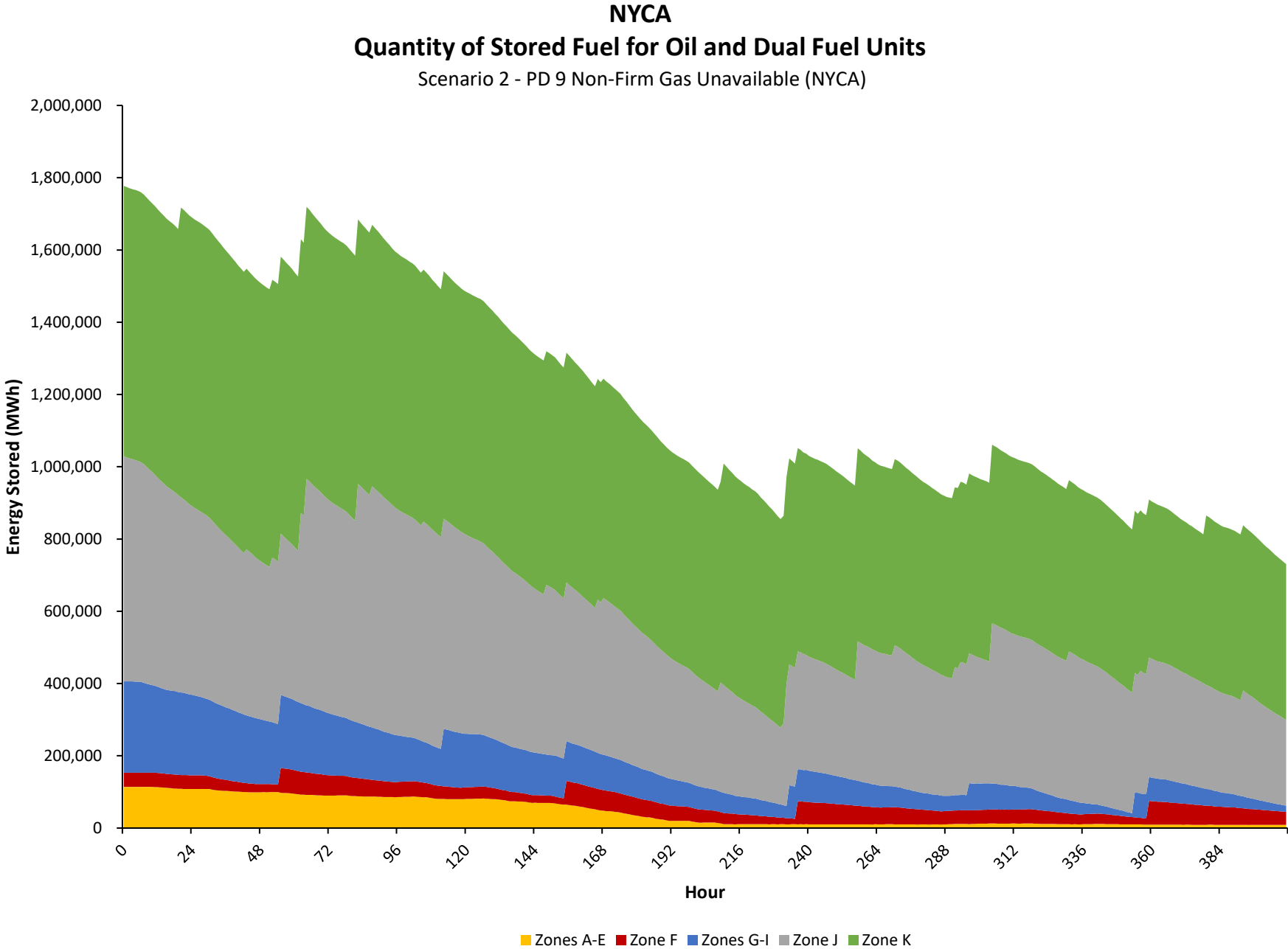


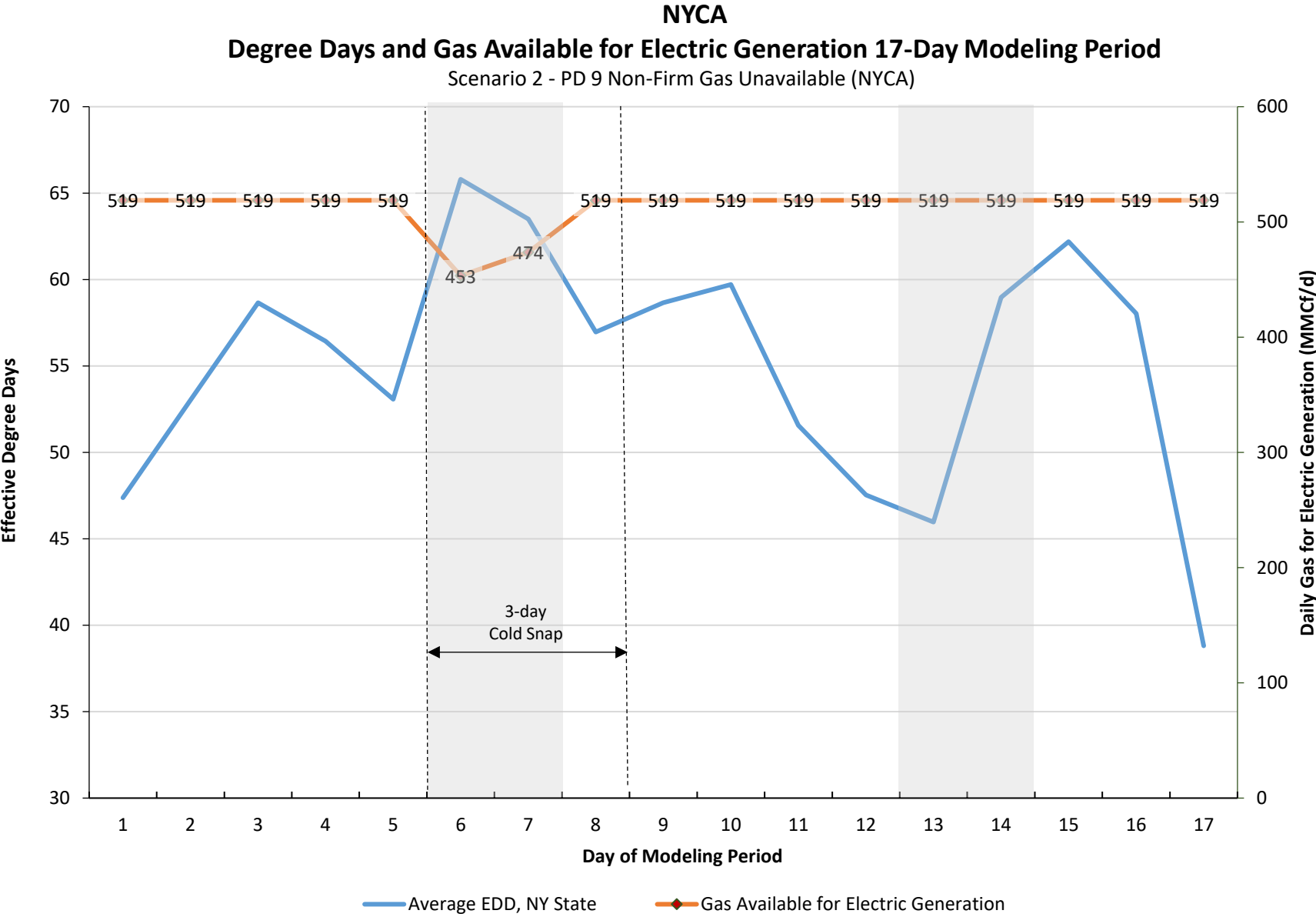




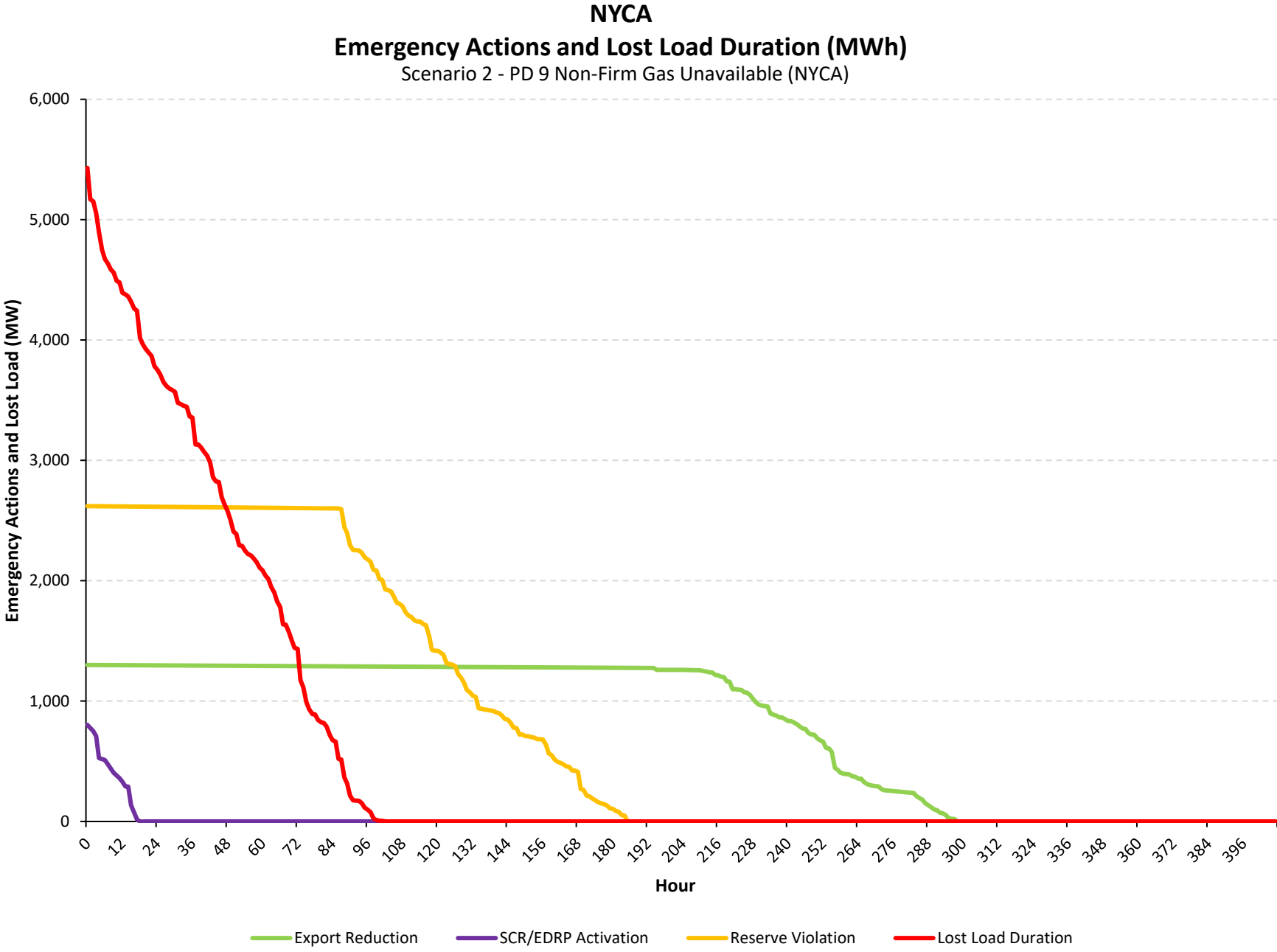
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 9 Non-Firm Gas Unavailable (NYCA)

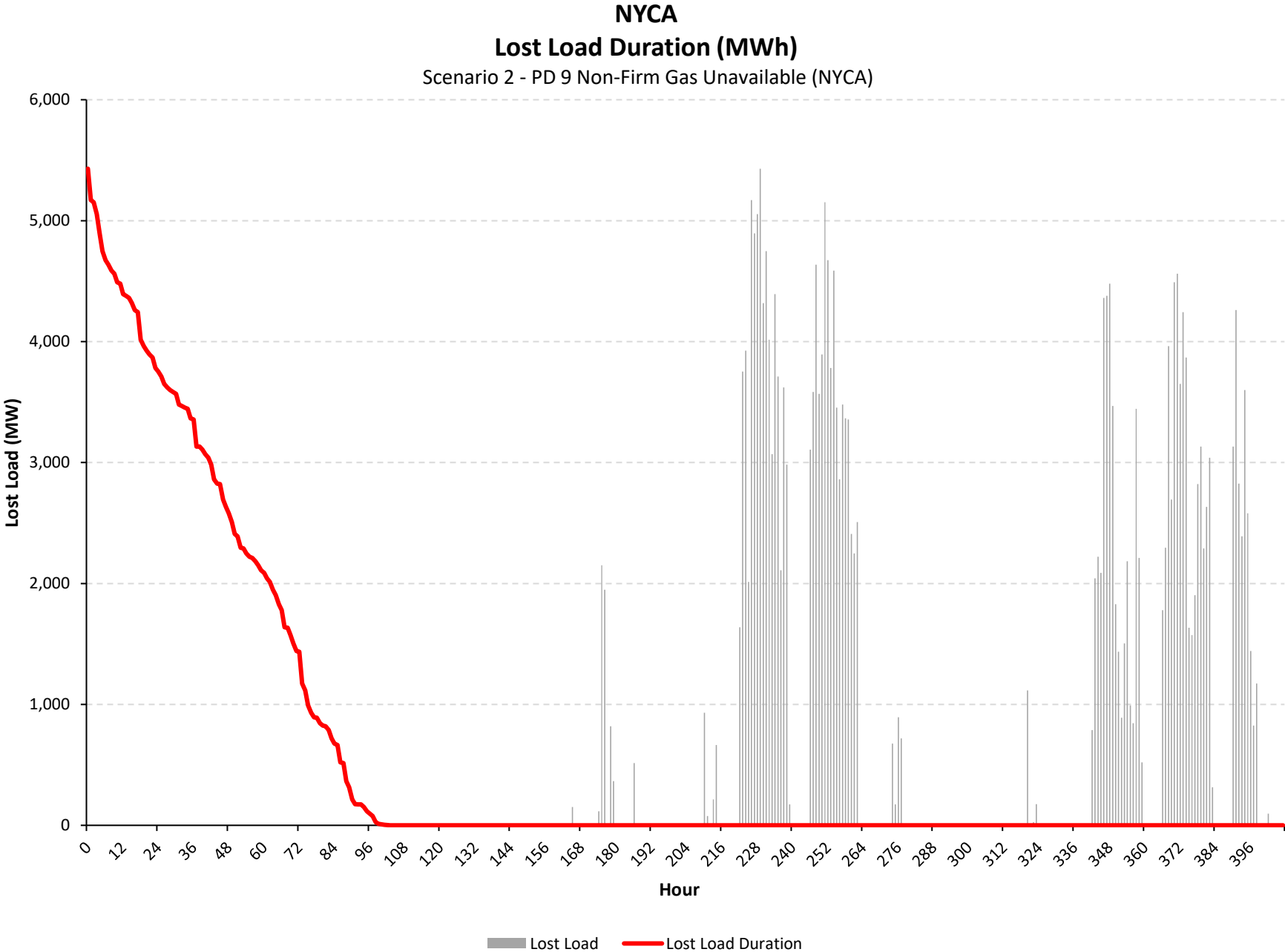






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



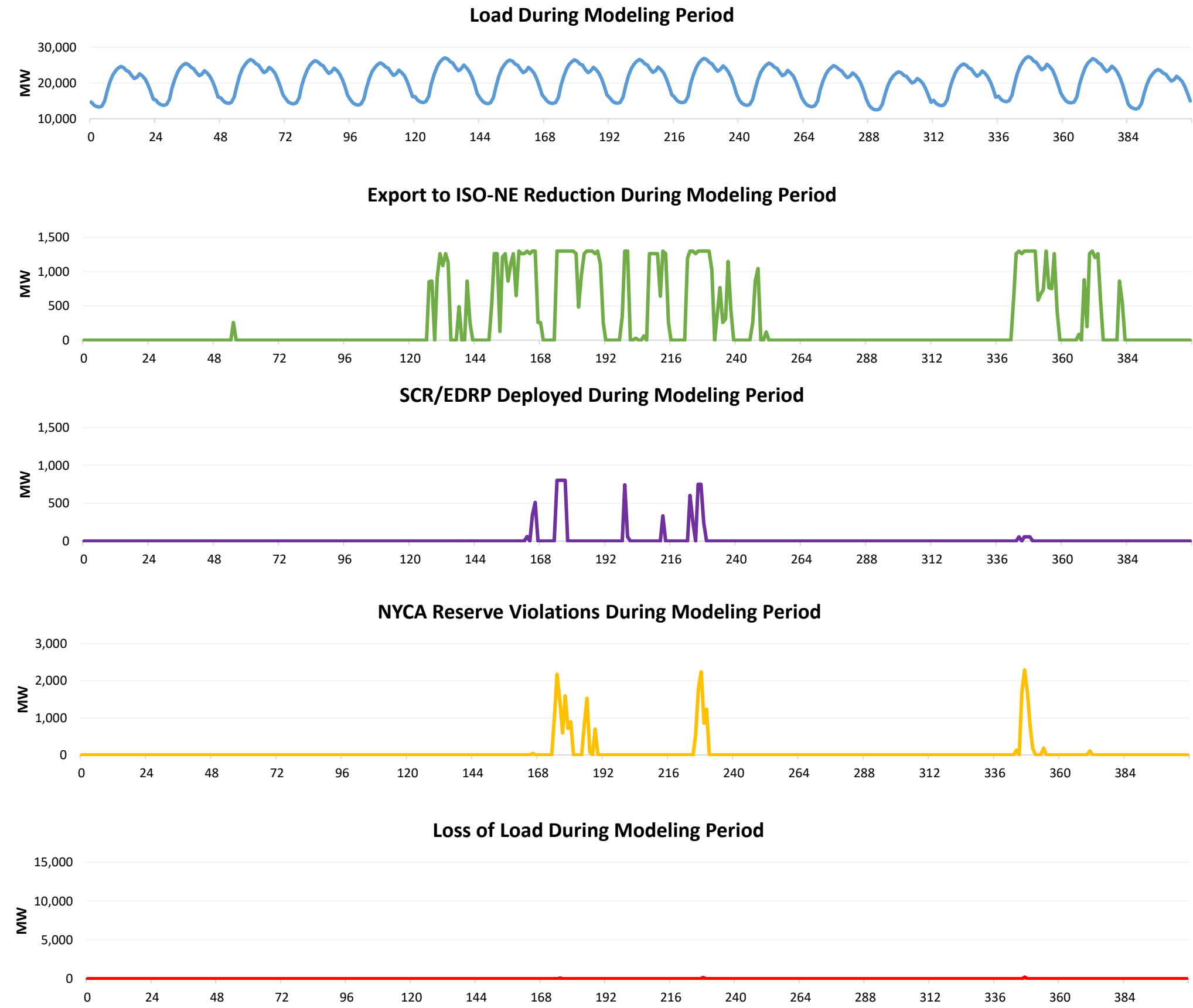


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 109     |
| Total MWh         | 104,555 |
| Avg. MW           | 256.3   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 20    |
| Total MWh      | 8,085 |
| Avg. MW        | 19.8  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 25     |
| Total MWh             | 25,257 |
| Avg. MW               | 61.9   |
| First Hour with Viol. | 166    |

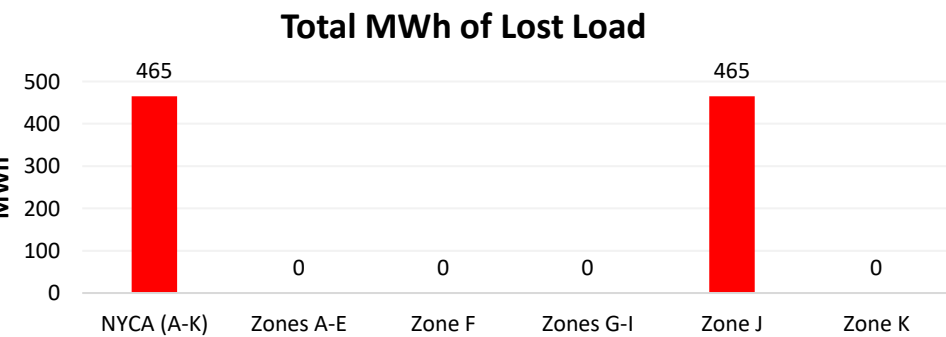
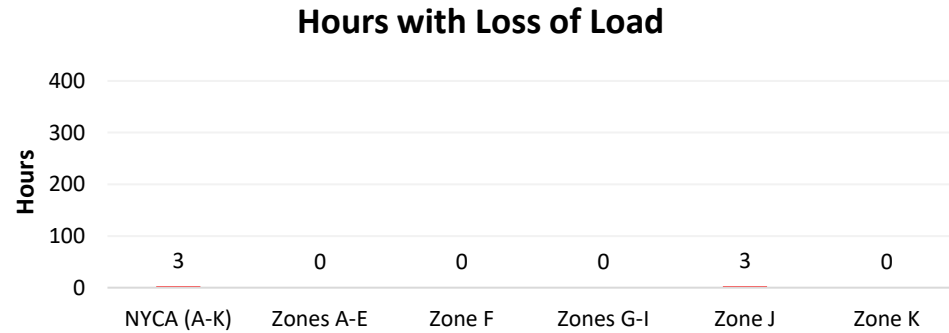
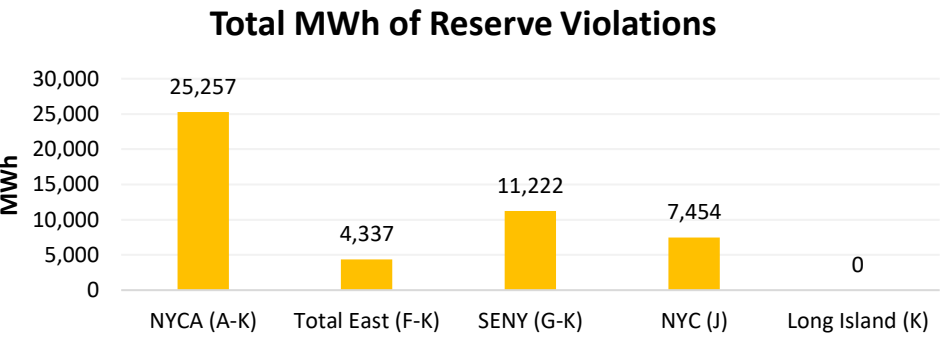
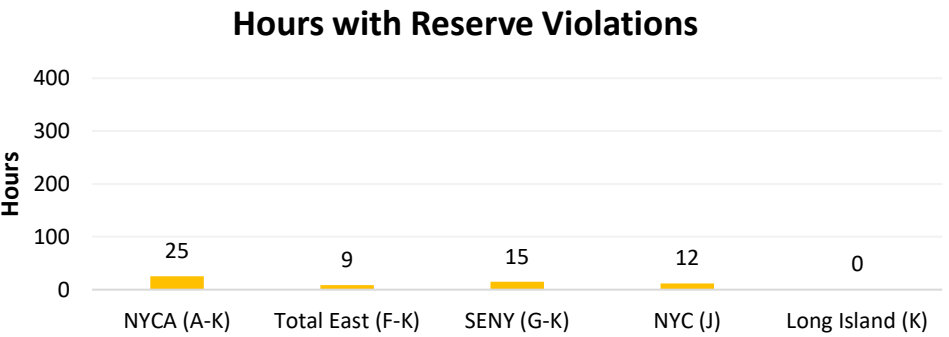
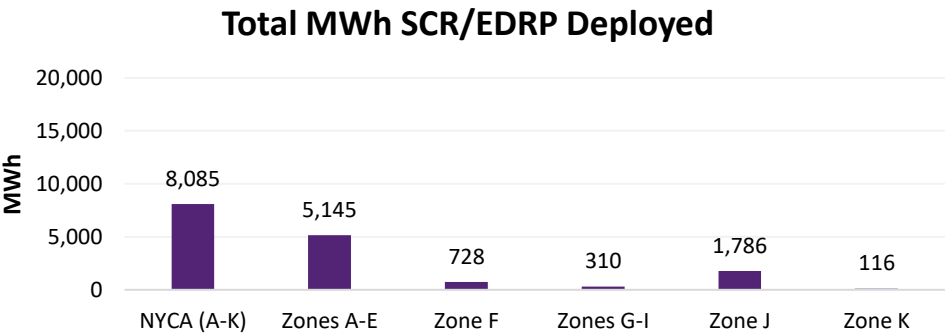
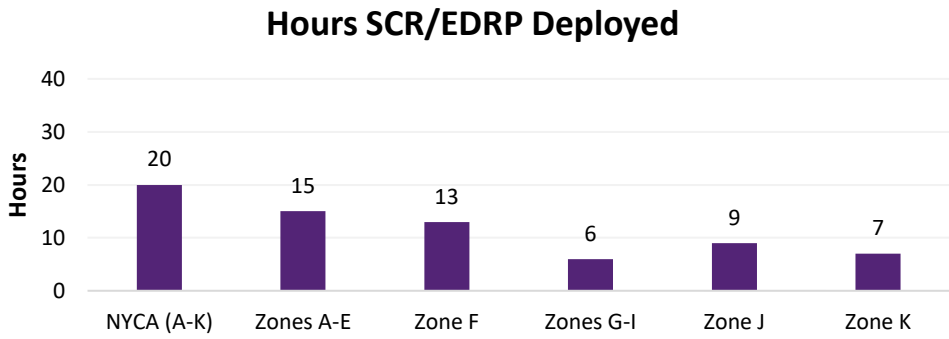
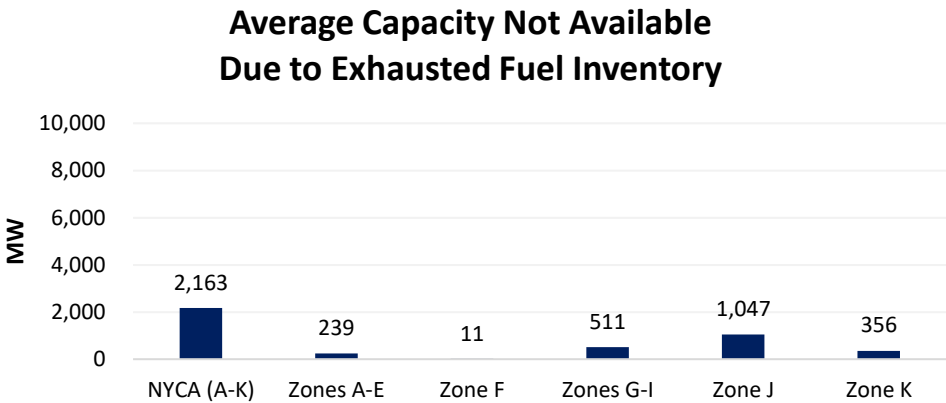
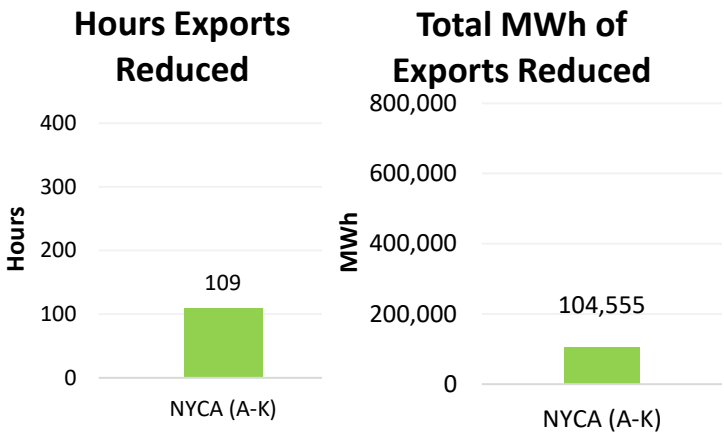
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 3   |
| Total MWh              | 465 |
| Avg. MW                | 1.1 |
| First Hour with Losses | 175 |

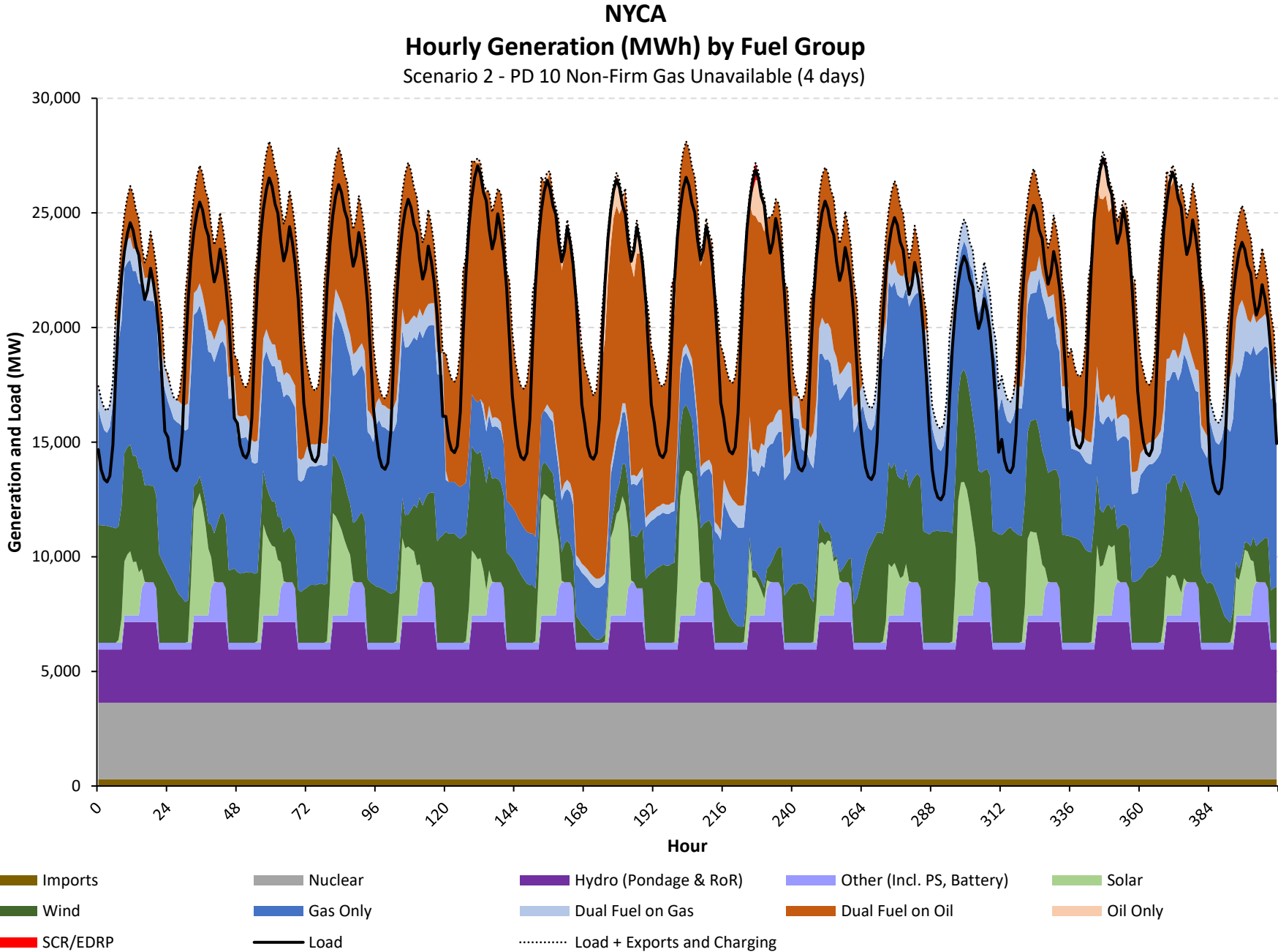


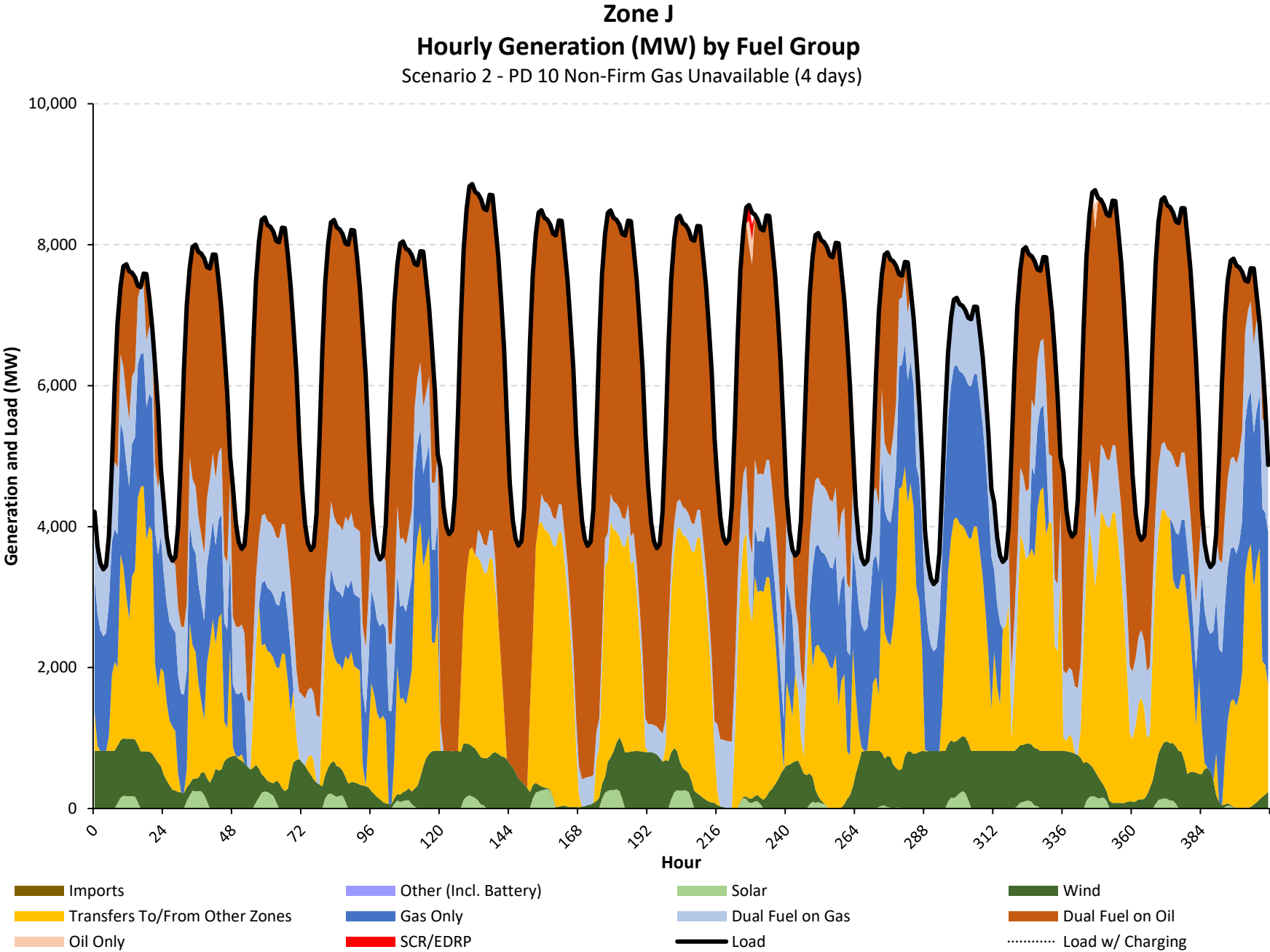
Full Period Results Summary

Case Name: Scenario 2 - PD 10 Non-Firm Gas Unavailable (4 days)

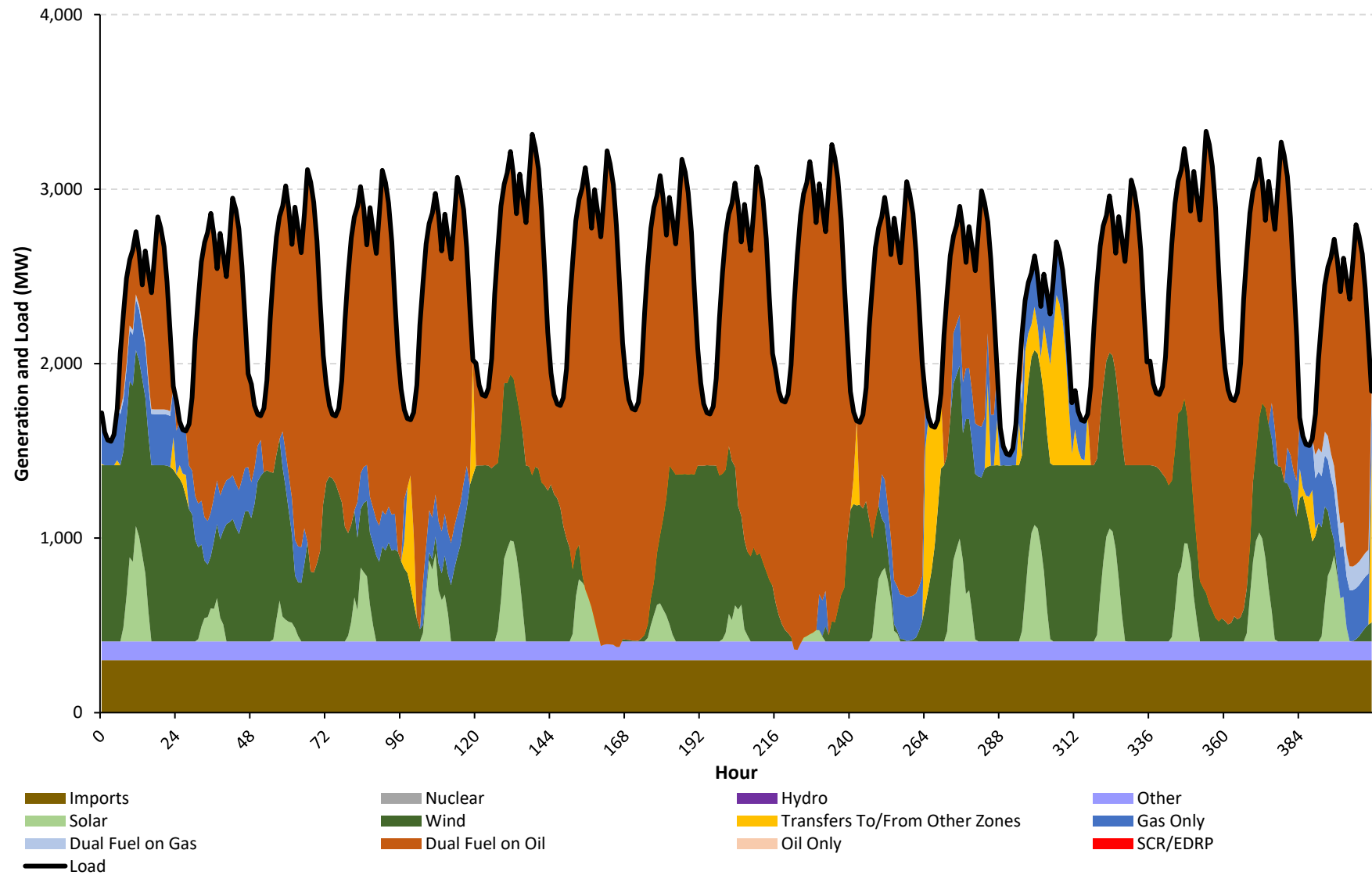
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

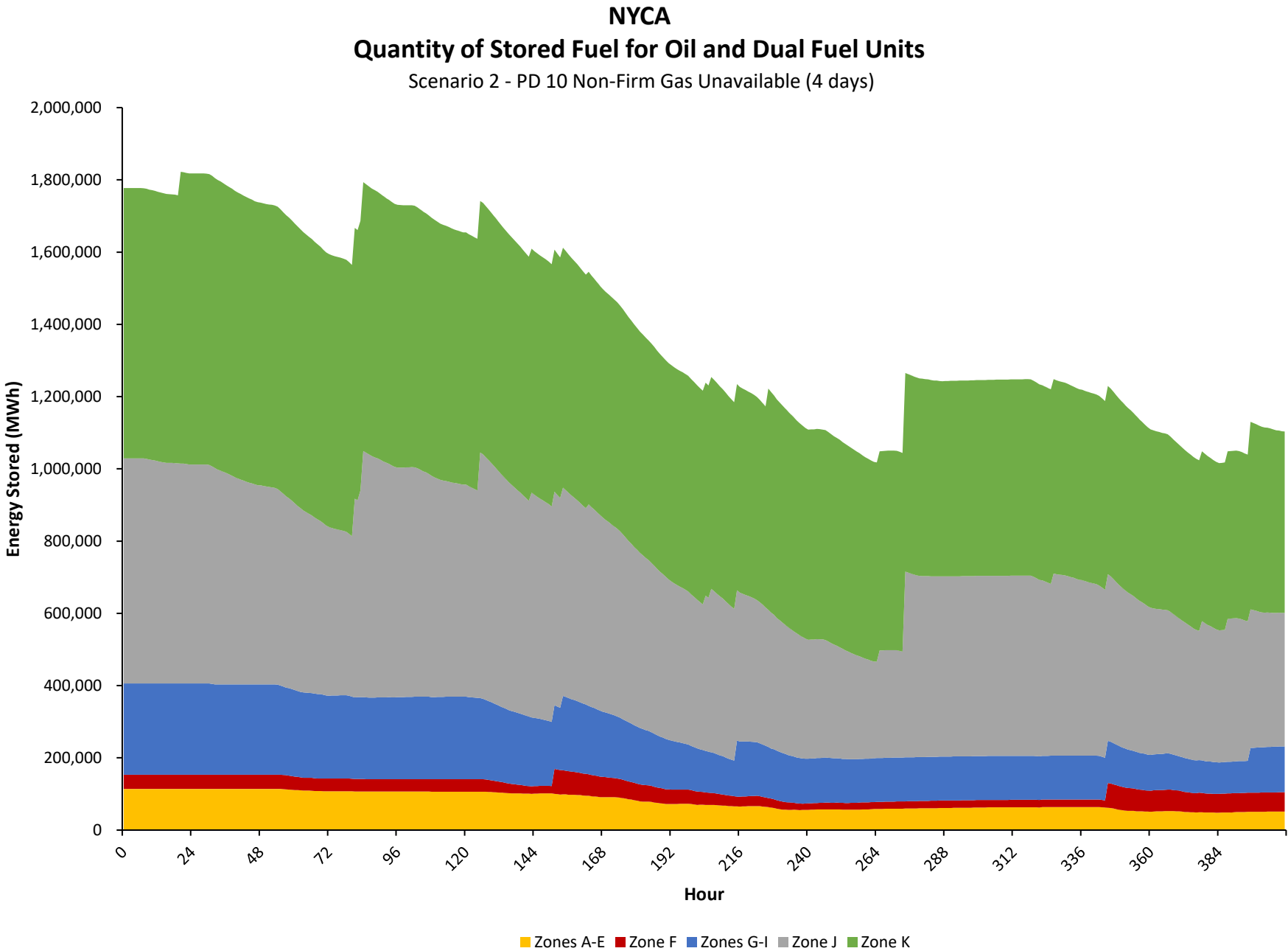


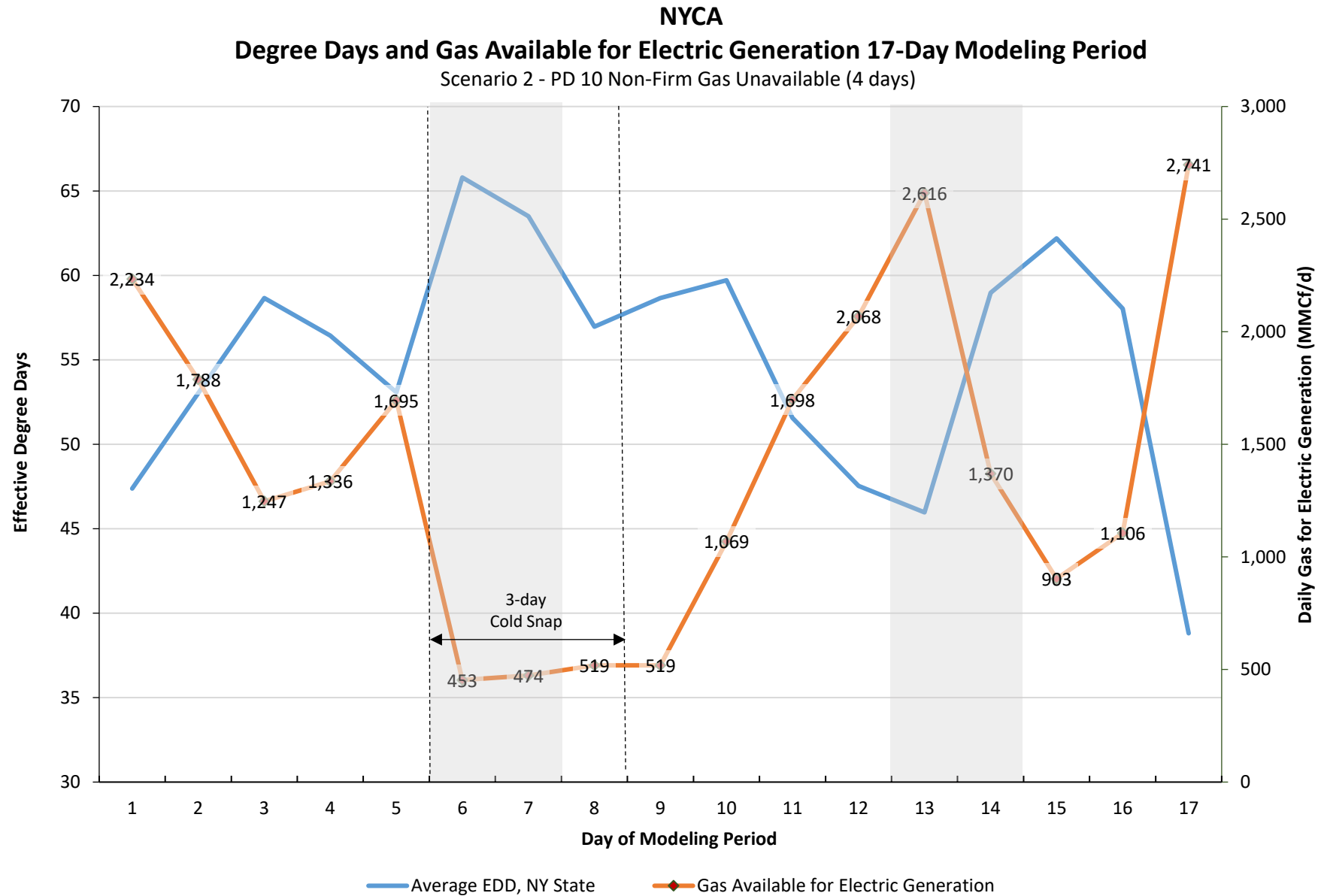




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 10 Non-Firm Gas Unavailable (4 days)

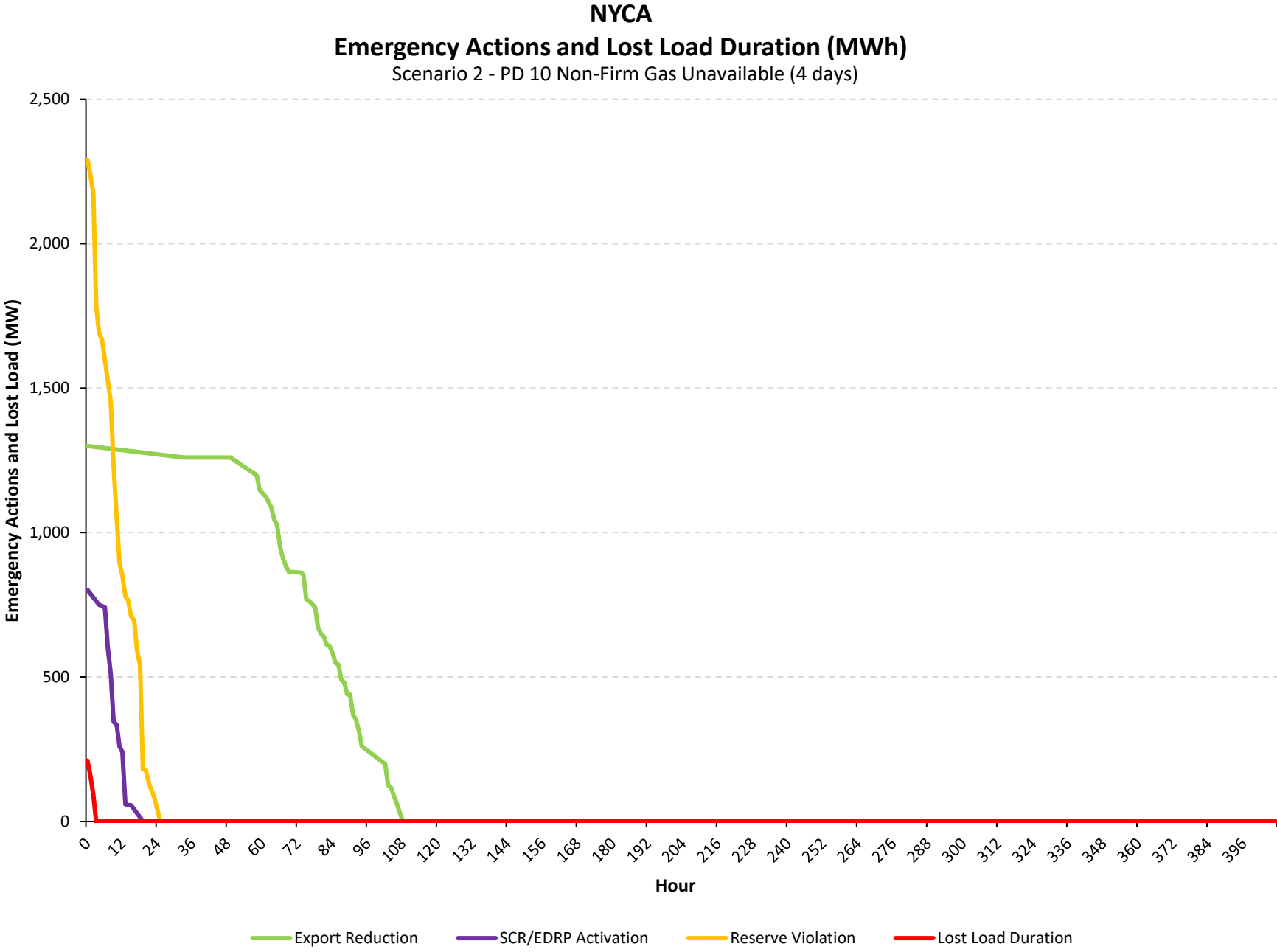


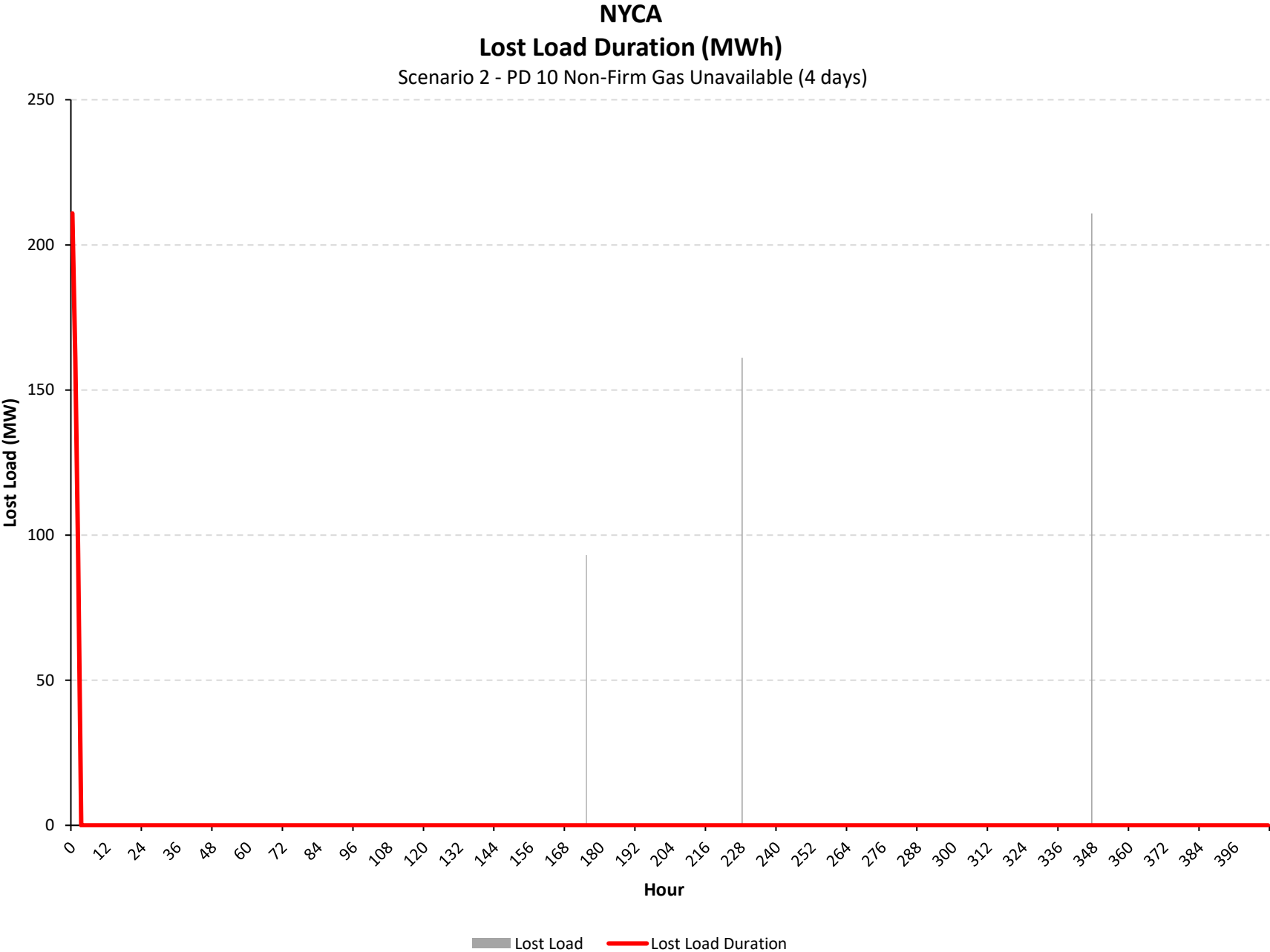




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





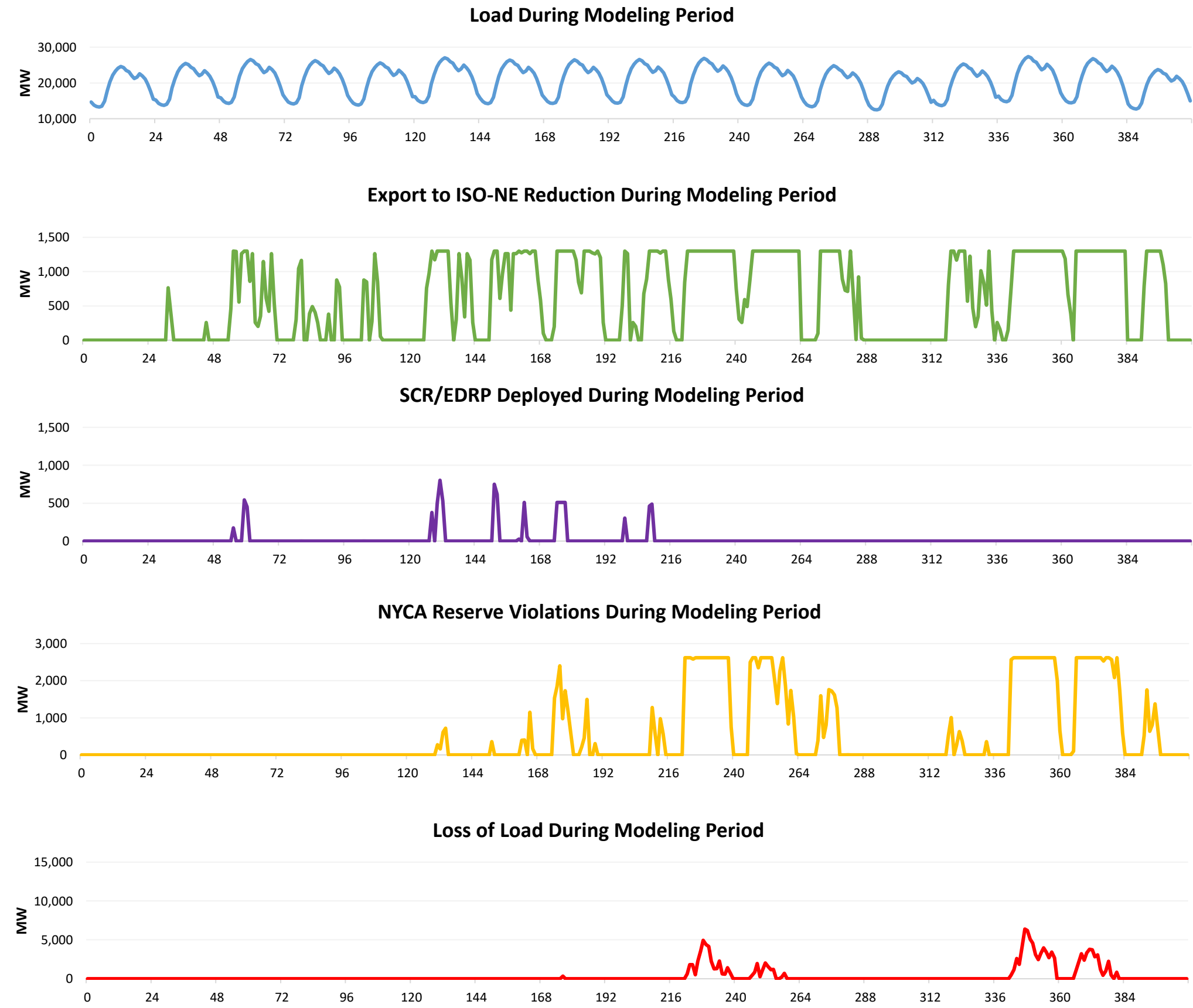


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 2 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 2 - PD 11 Combination Disruption



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 240     |
| Total MWh         | 246,640 |
| Avg. MW           | 604.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 19    |
| Total MWh      | 8,626 |
| Avg. MW        | 21.1  |

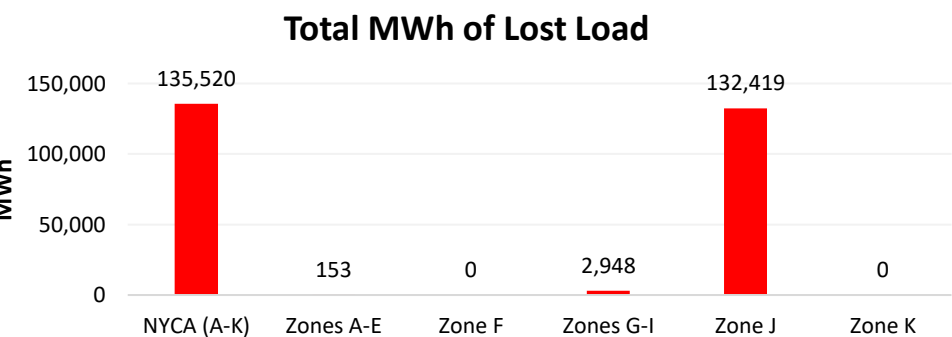
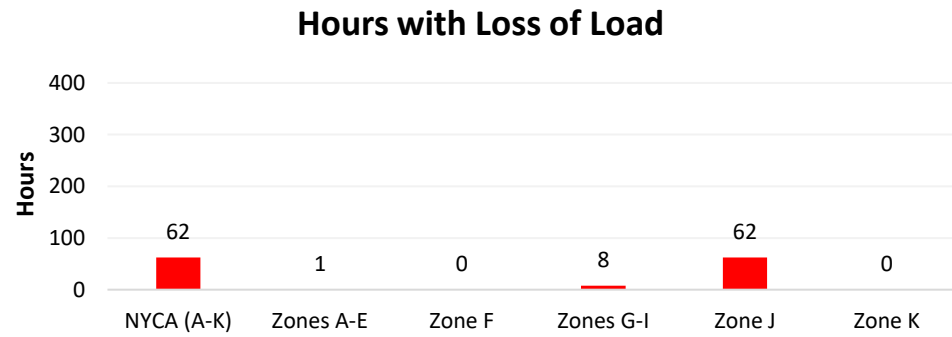
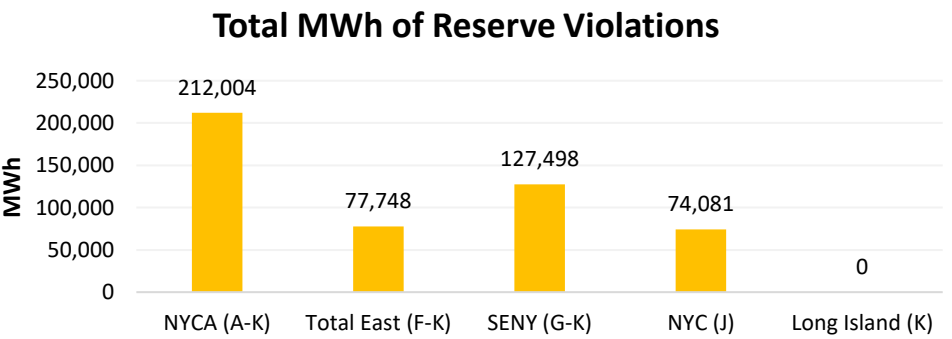
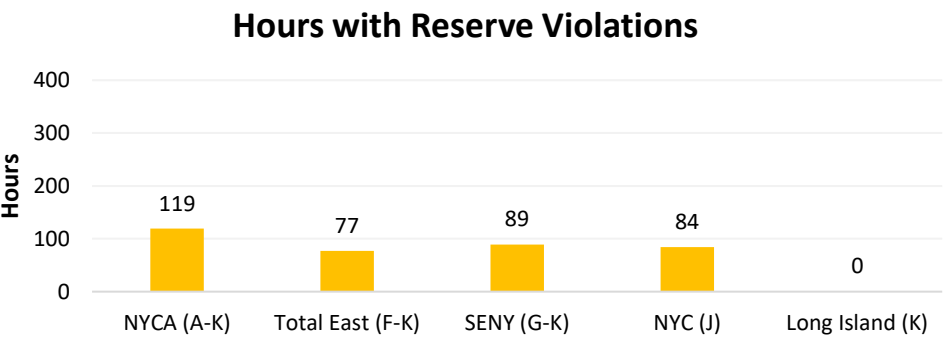
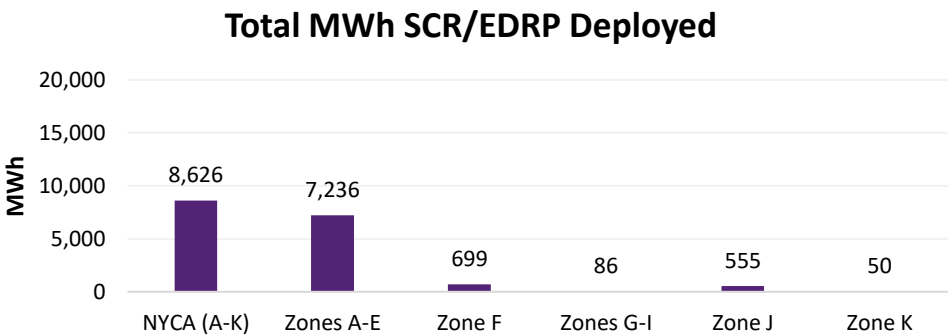
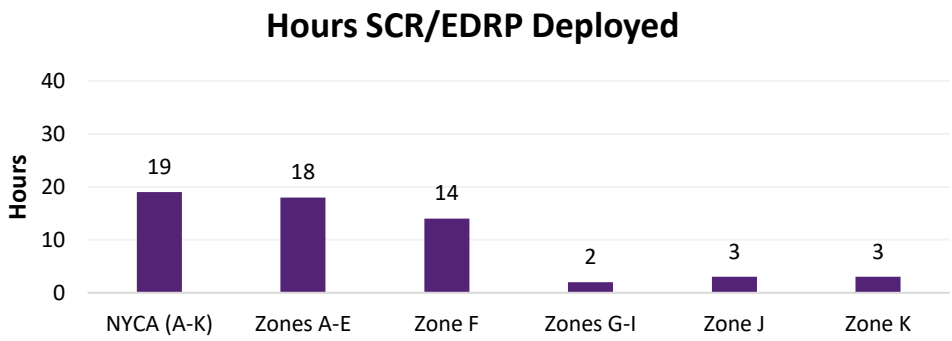
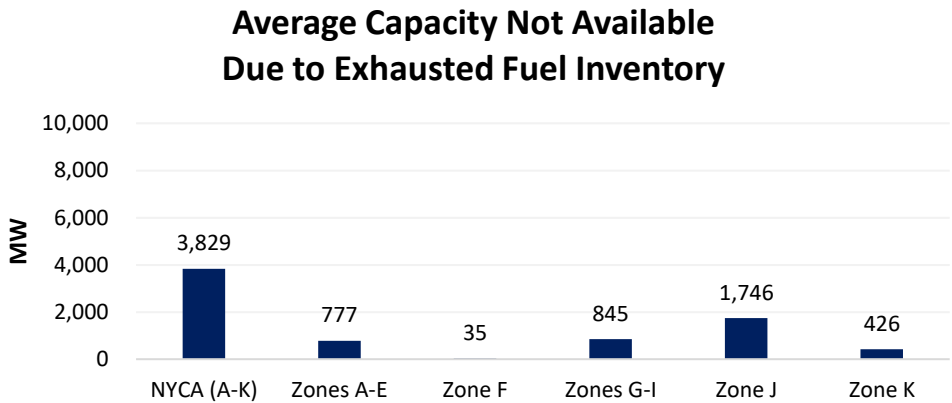
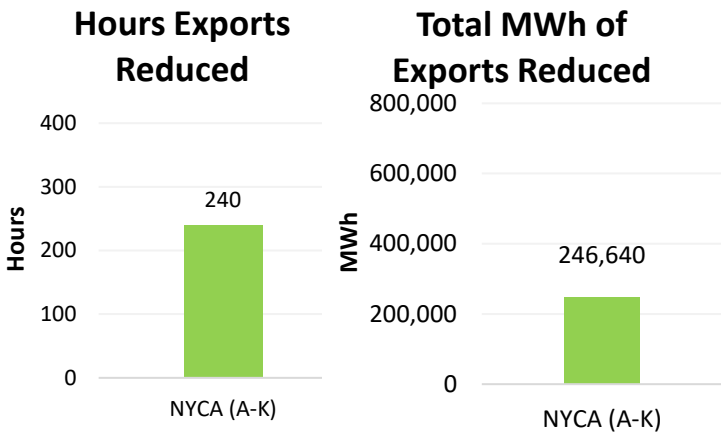
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 119     |
| Total MWh             | 212,004 |
| Avg. MW               | 519.6   |
| First Hour with Viol. | 131     |

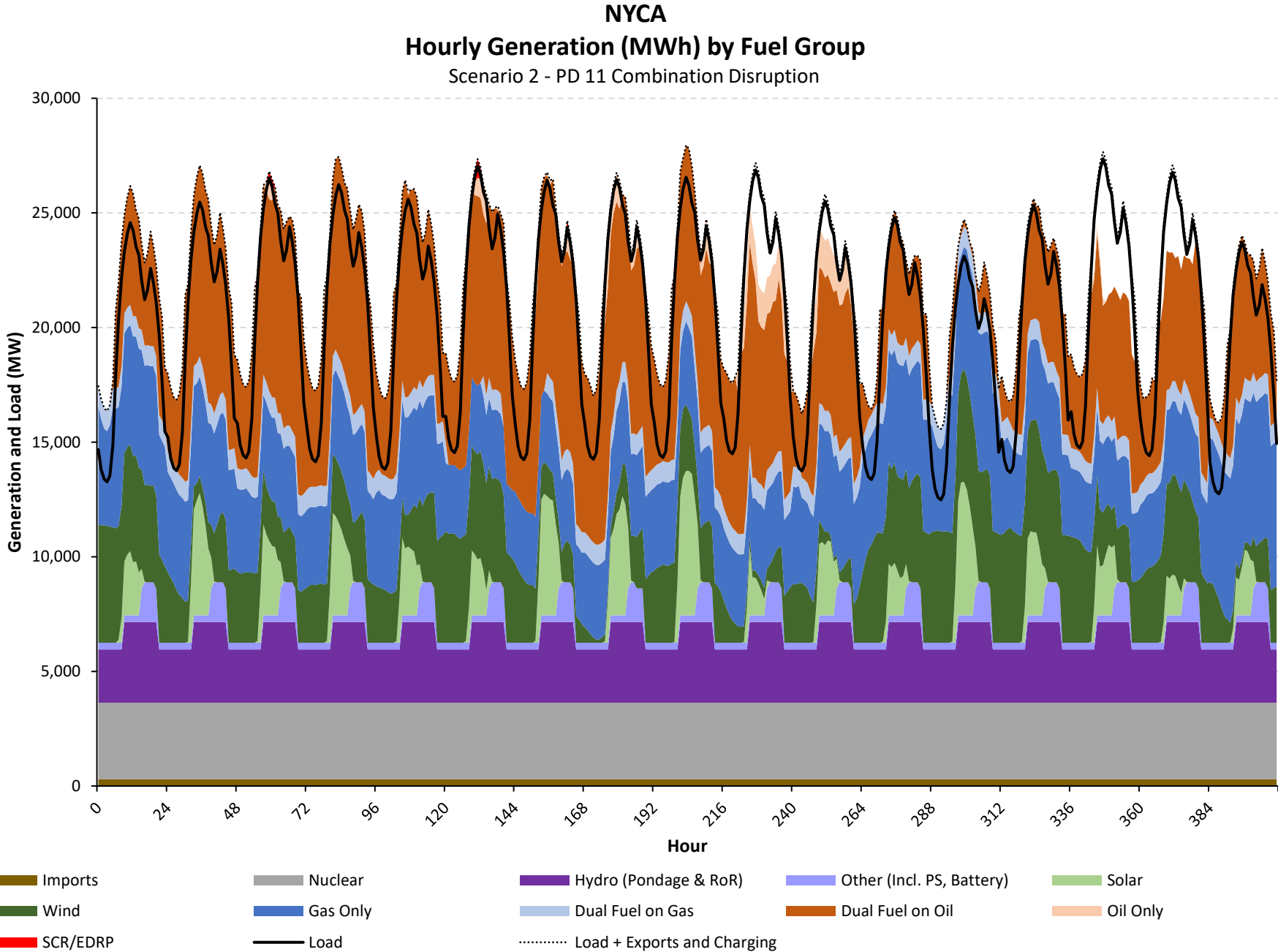
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 62      |
| Total MWh              | 135,520 |
| Avg. MW                | 332.2   |
| First Hour with Losses | 176     |

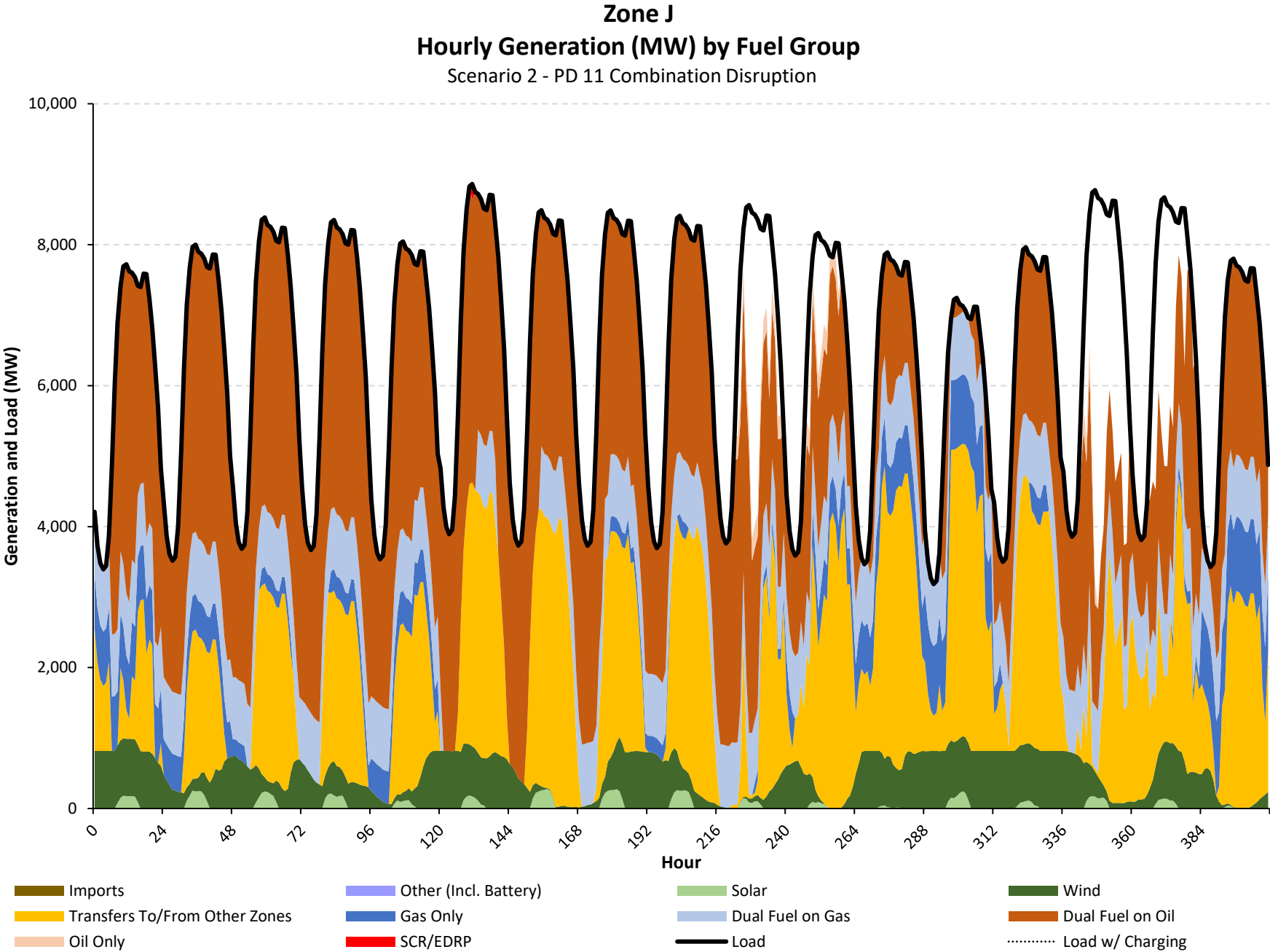
Full Period Results Summary

Case Name: Scenario 2 - PD 11 Combination Disruption

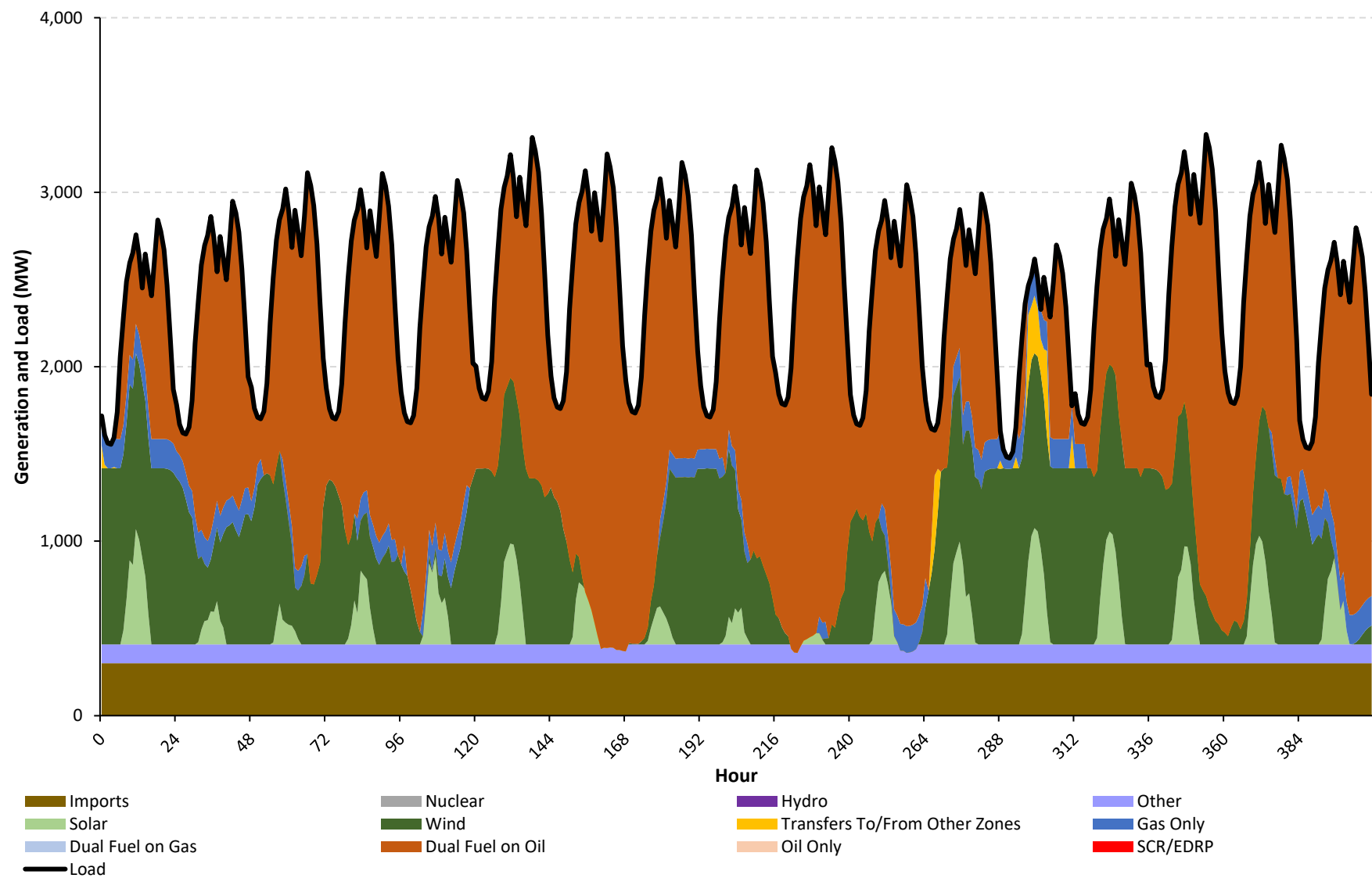
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Base Case  |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

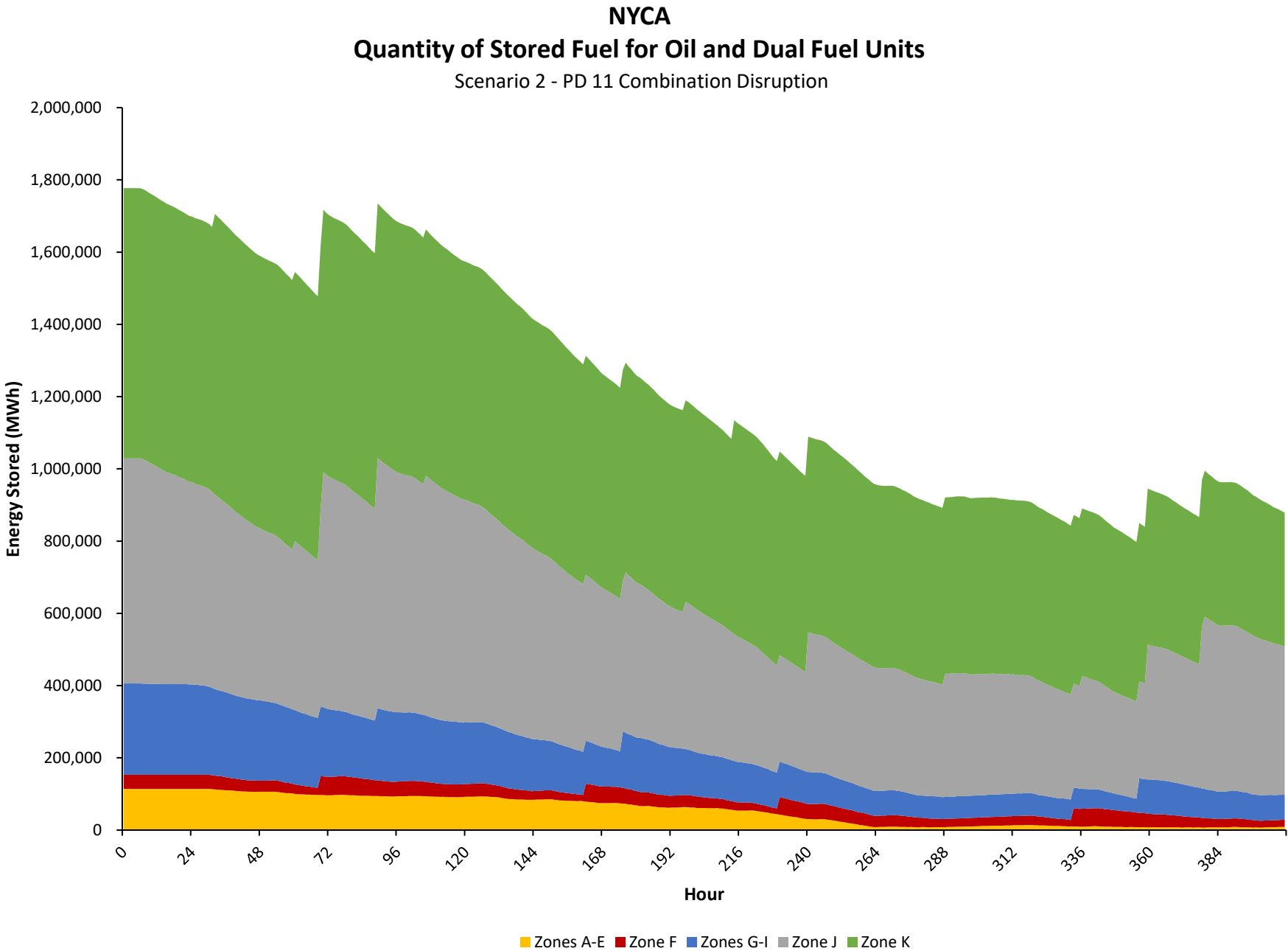


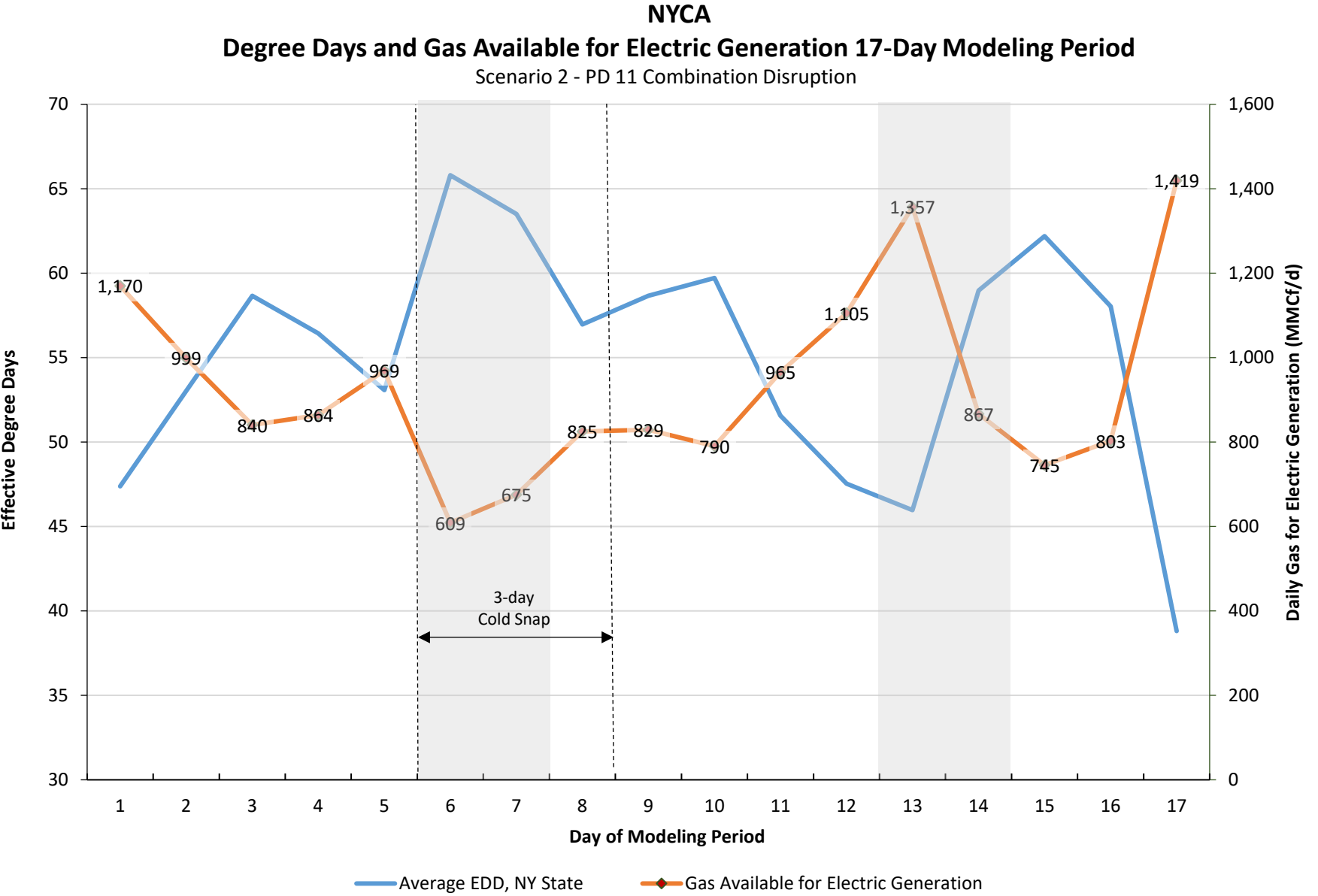




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 2 - PD 11 Combination Disruption

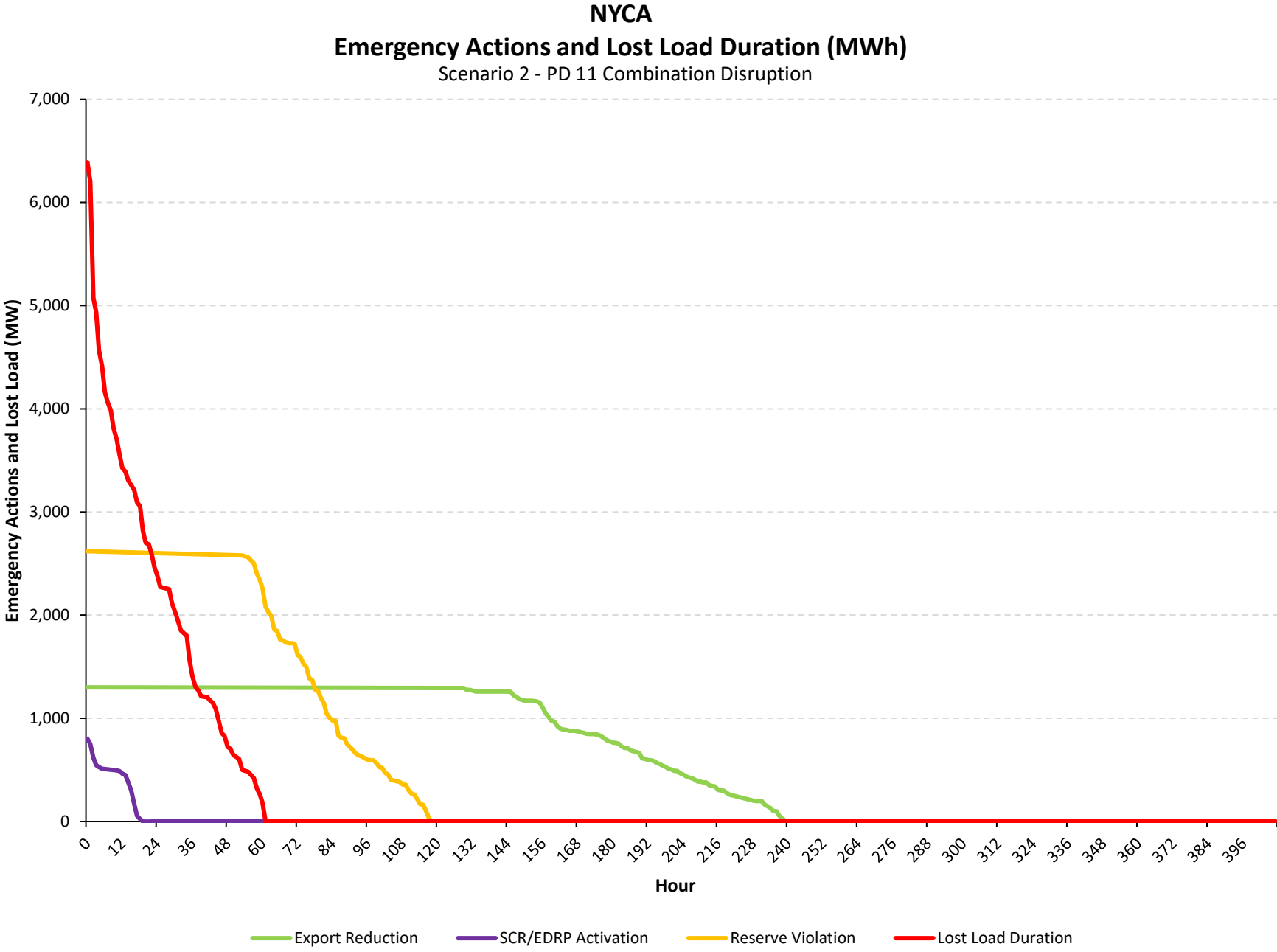


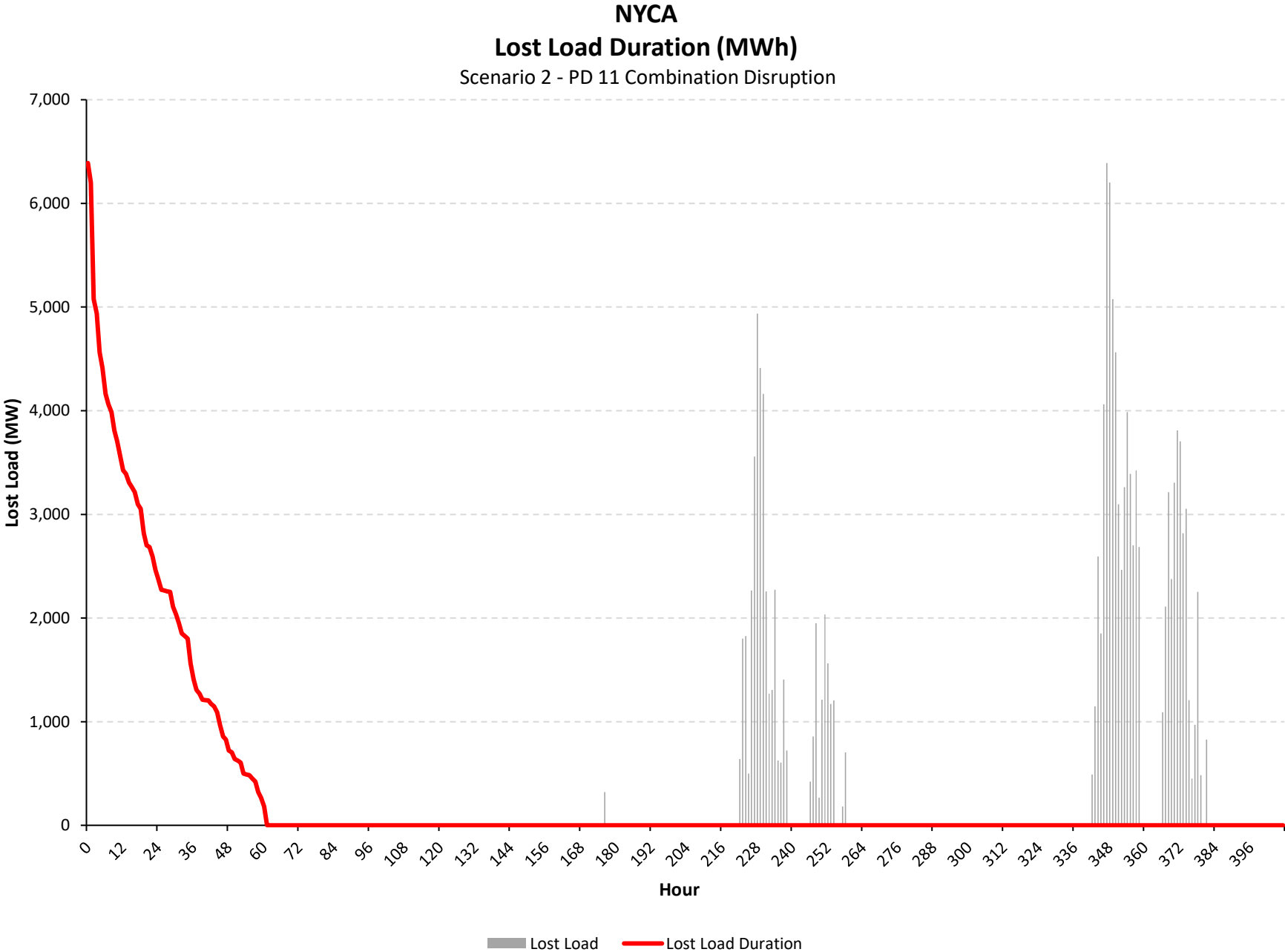




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





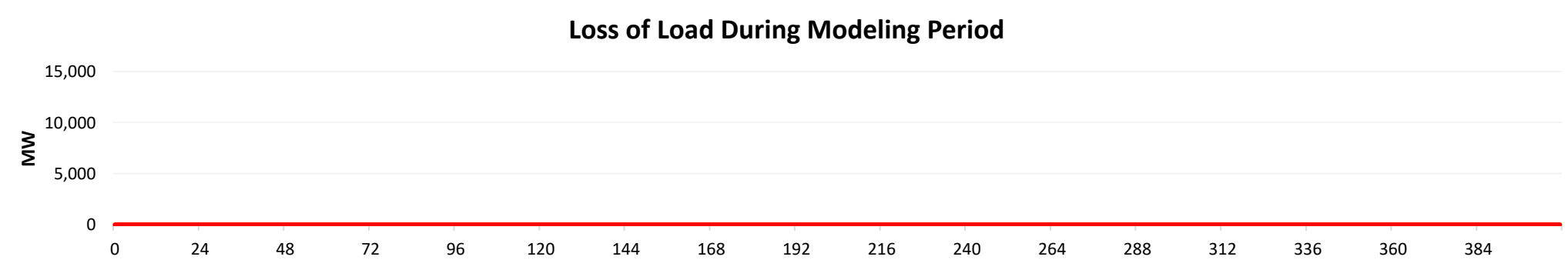
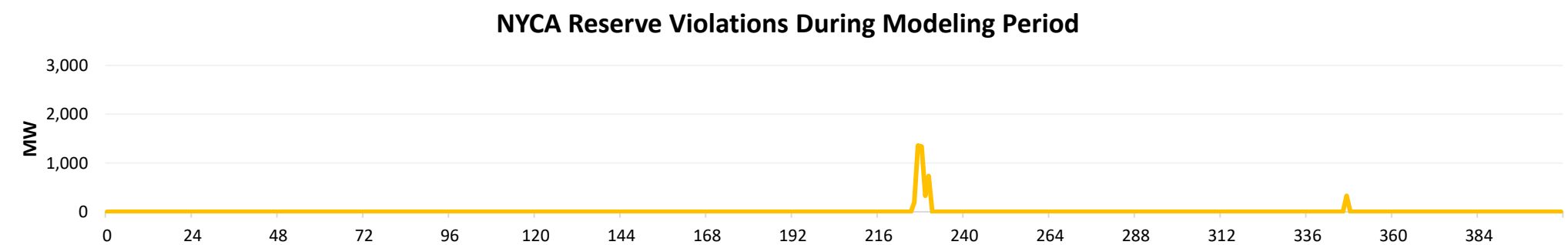
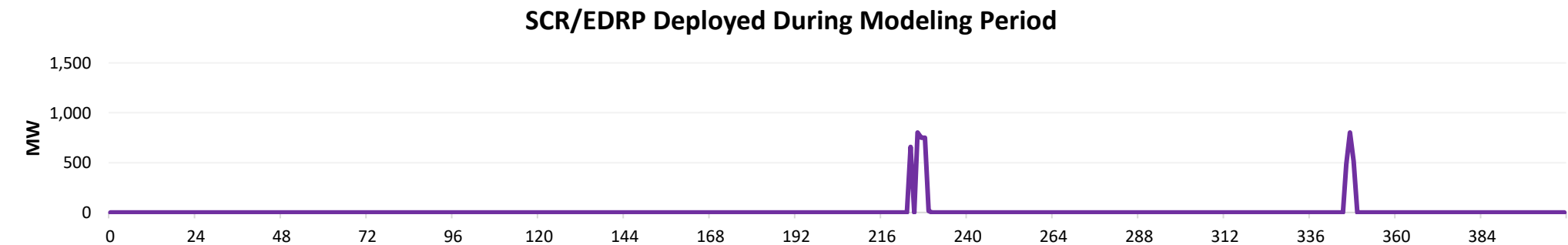
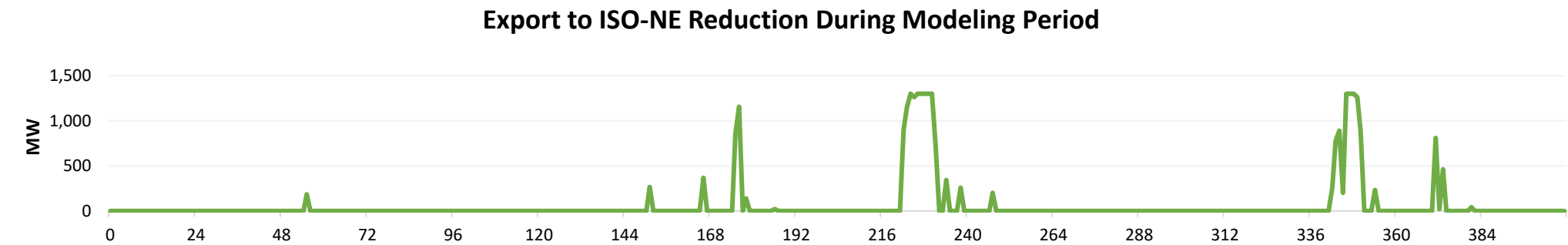
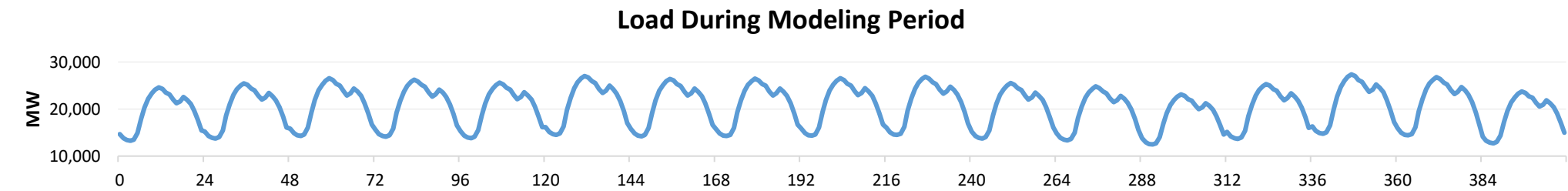


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 1 No Disruptions



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 35     |
| Total MWh         | 25,388 |
| Avg. MW           | 62.2   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 8     |
| Total MWh      | 4,777 |
| Avg. MW        | 11.7  |

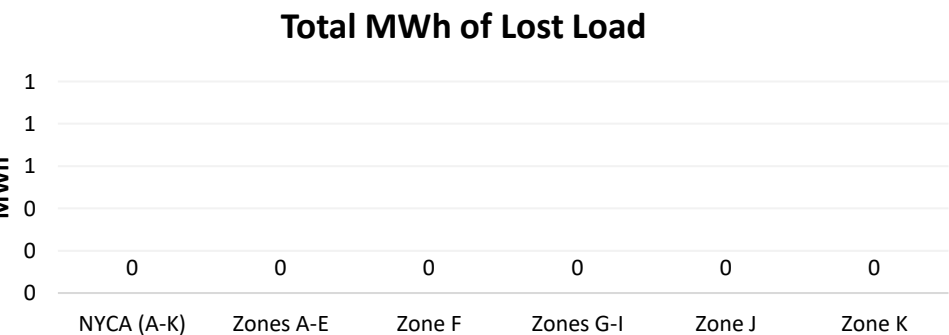
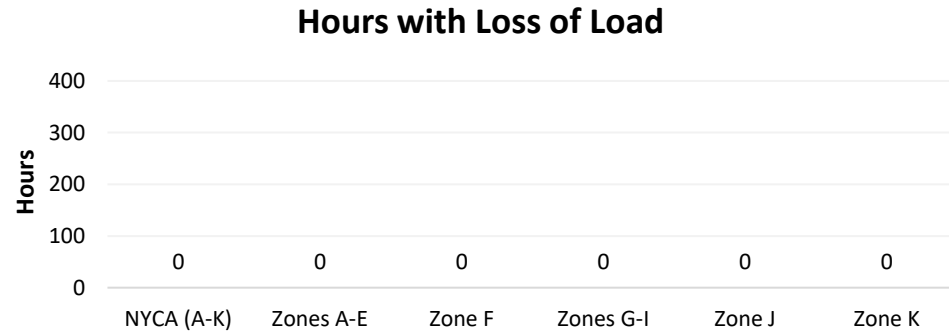
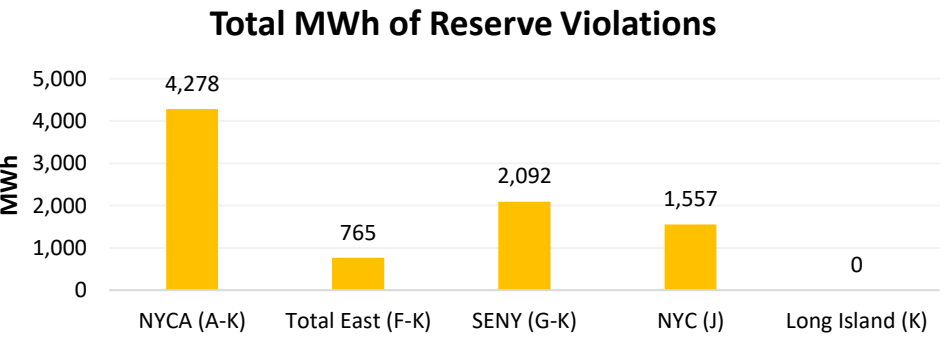
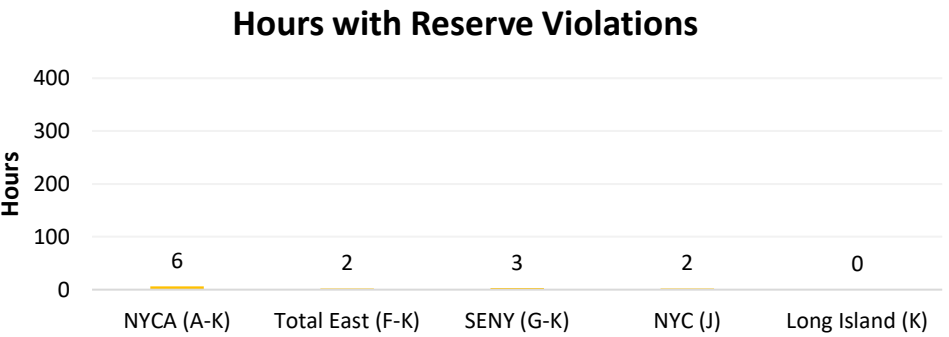
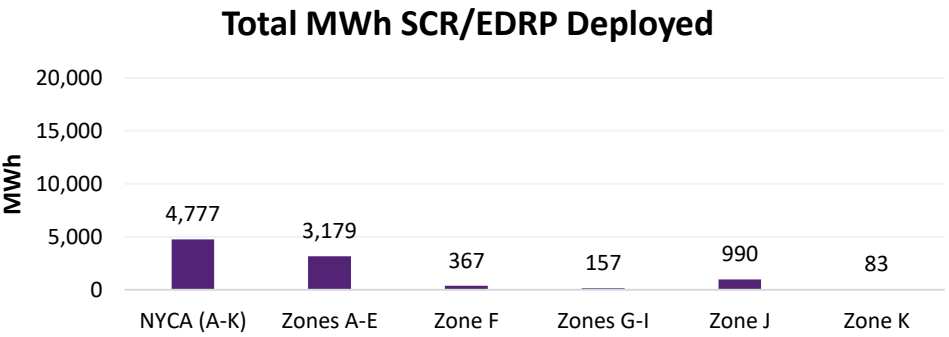
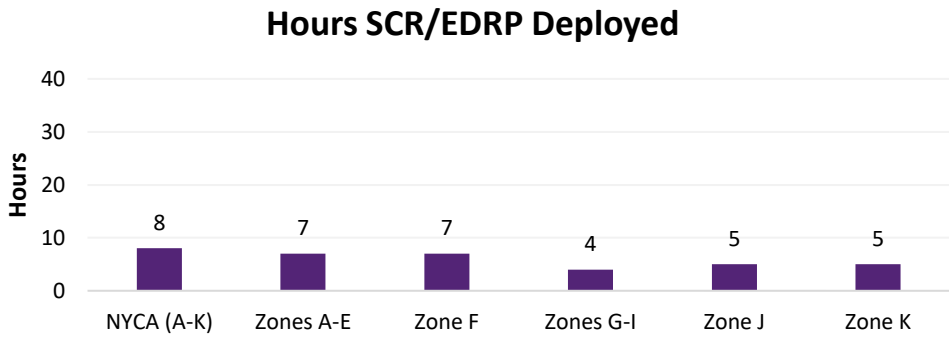
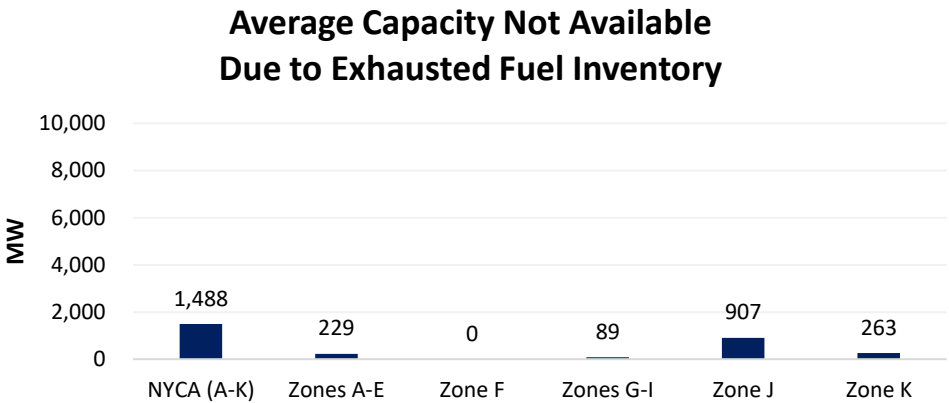
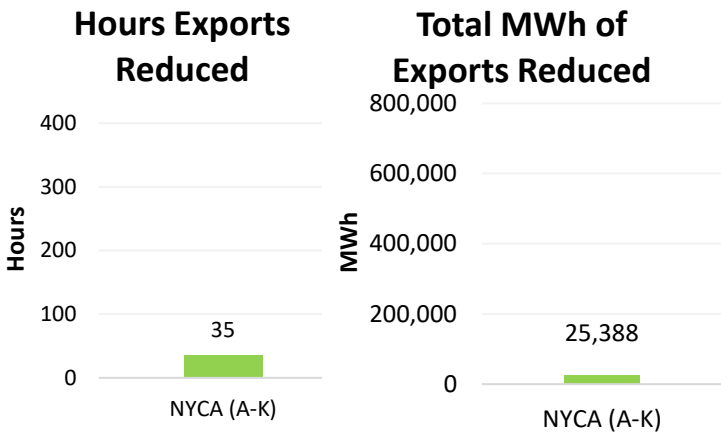
| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 6     |
| Total MWh             | 4,278 |
| Avg. MW               | 10.5  |
| First Hour with Viol. | 226   |

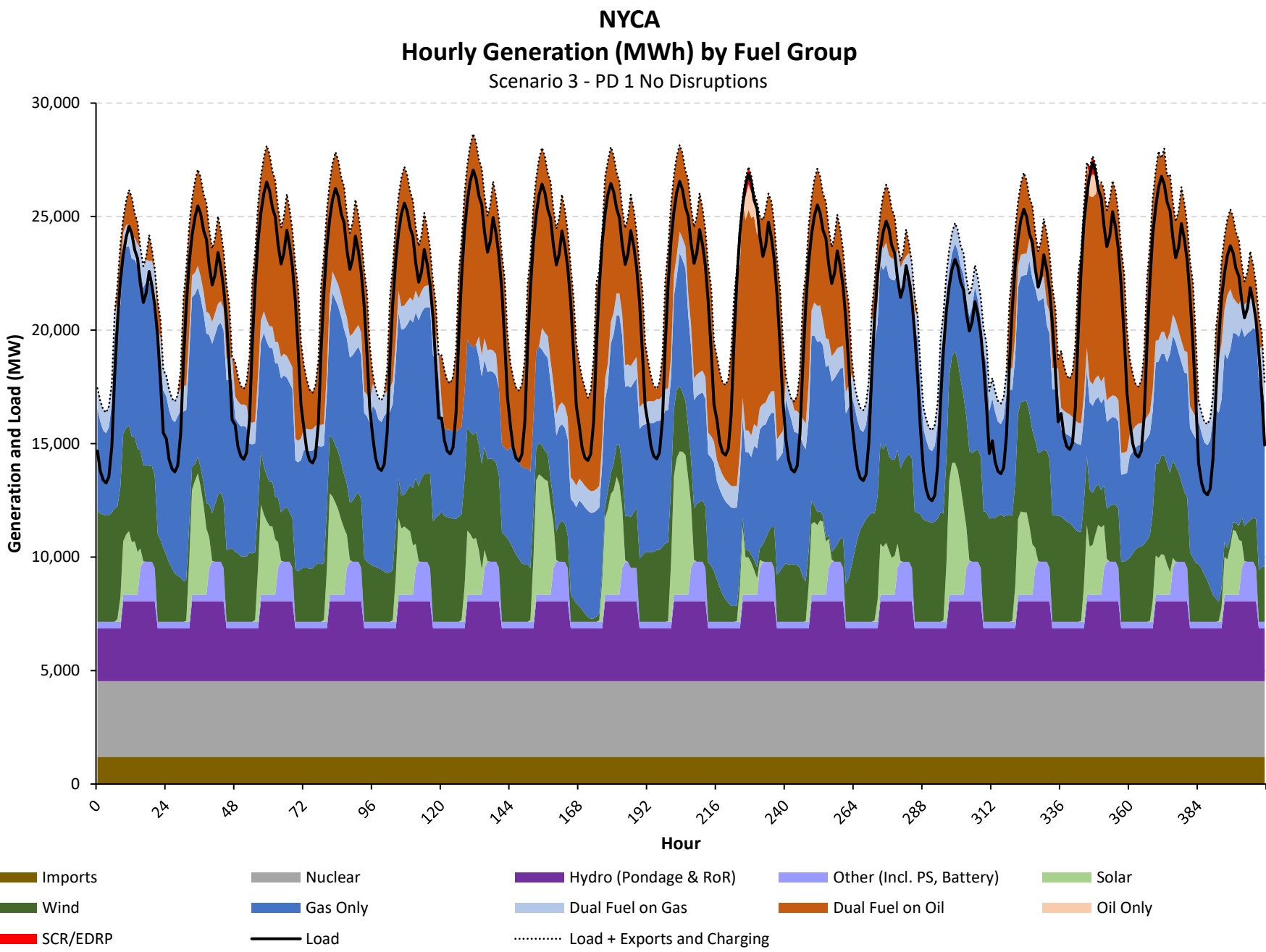
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

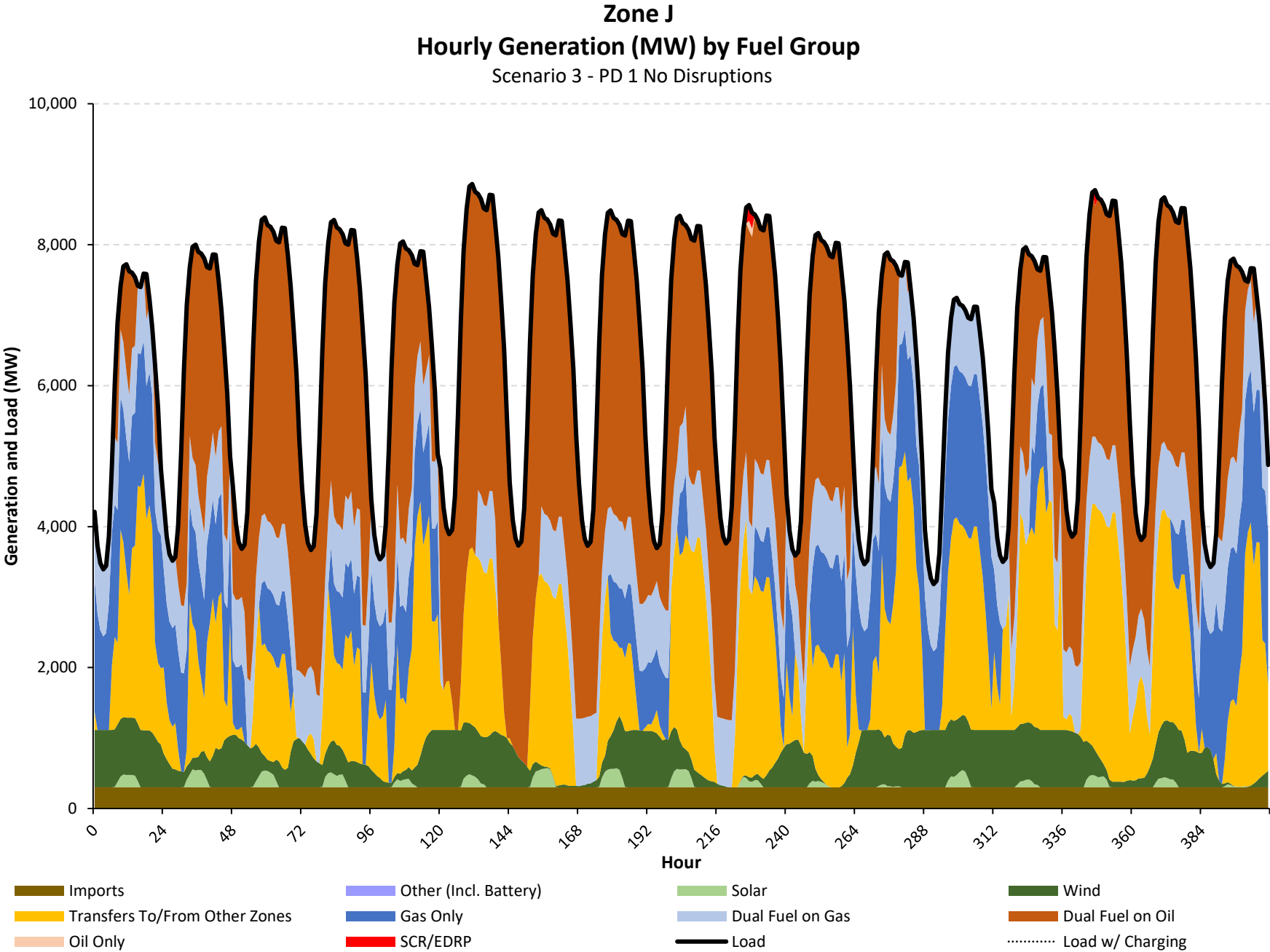
Full Period Results Summary

Case Name: Scenario 3 - PD 1 No Disruptions

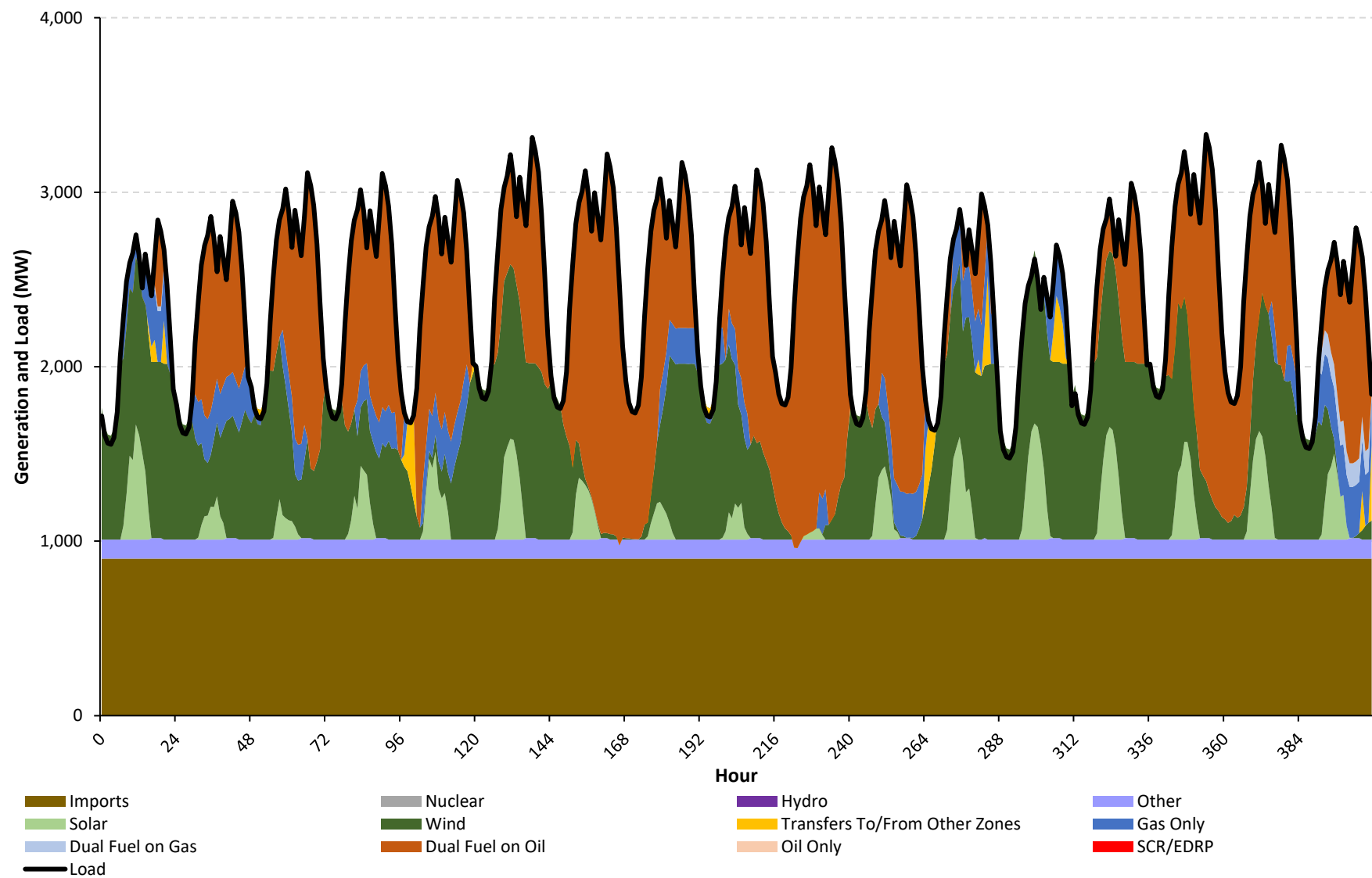
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |





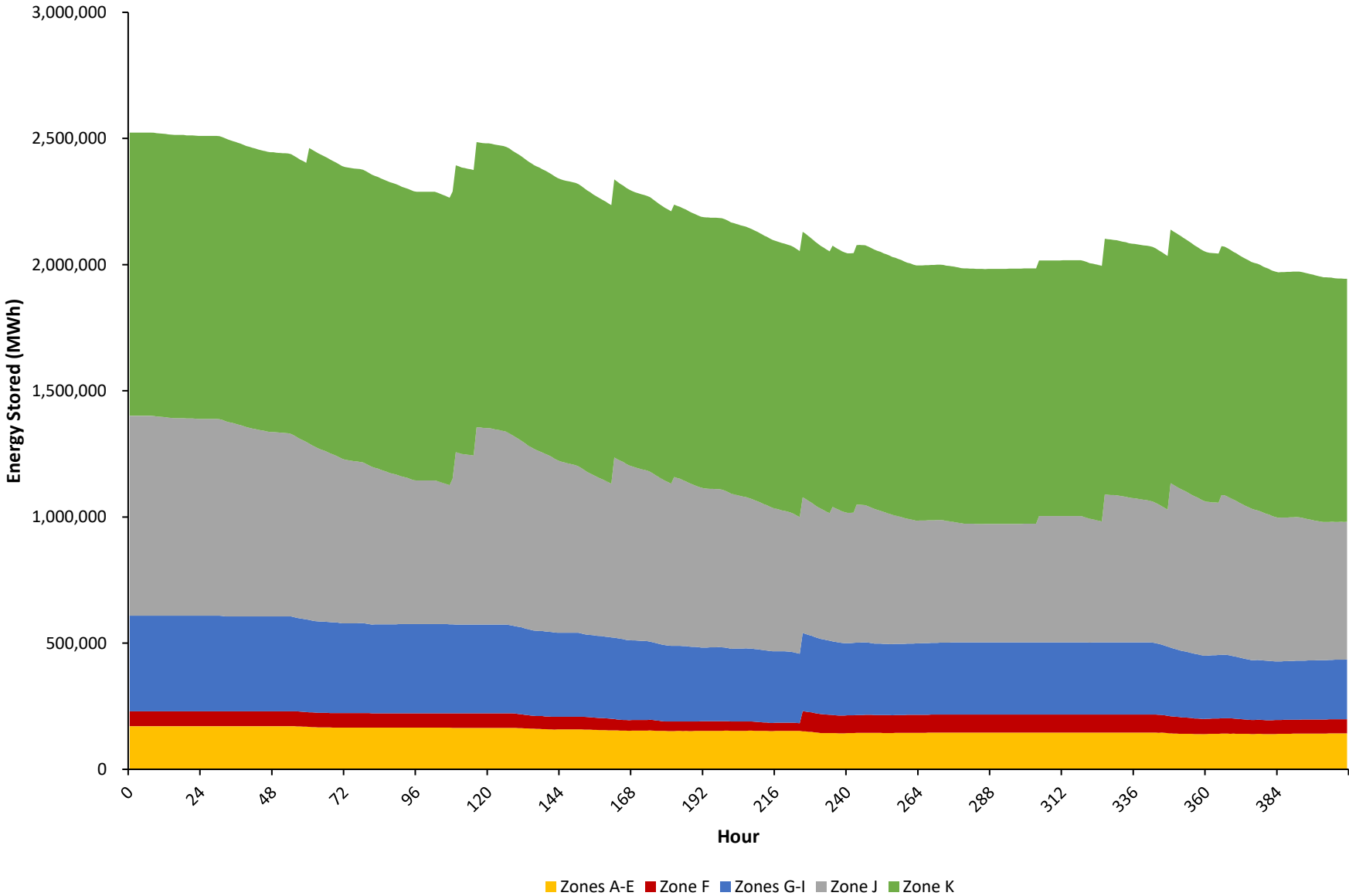


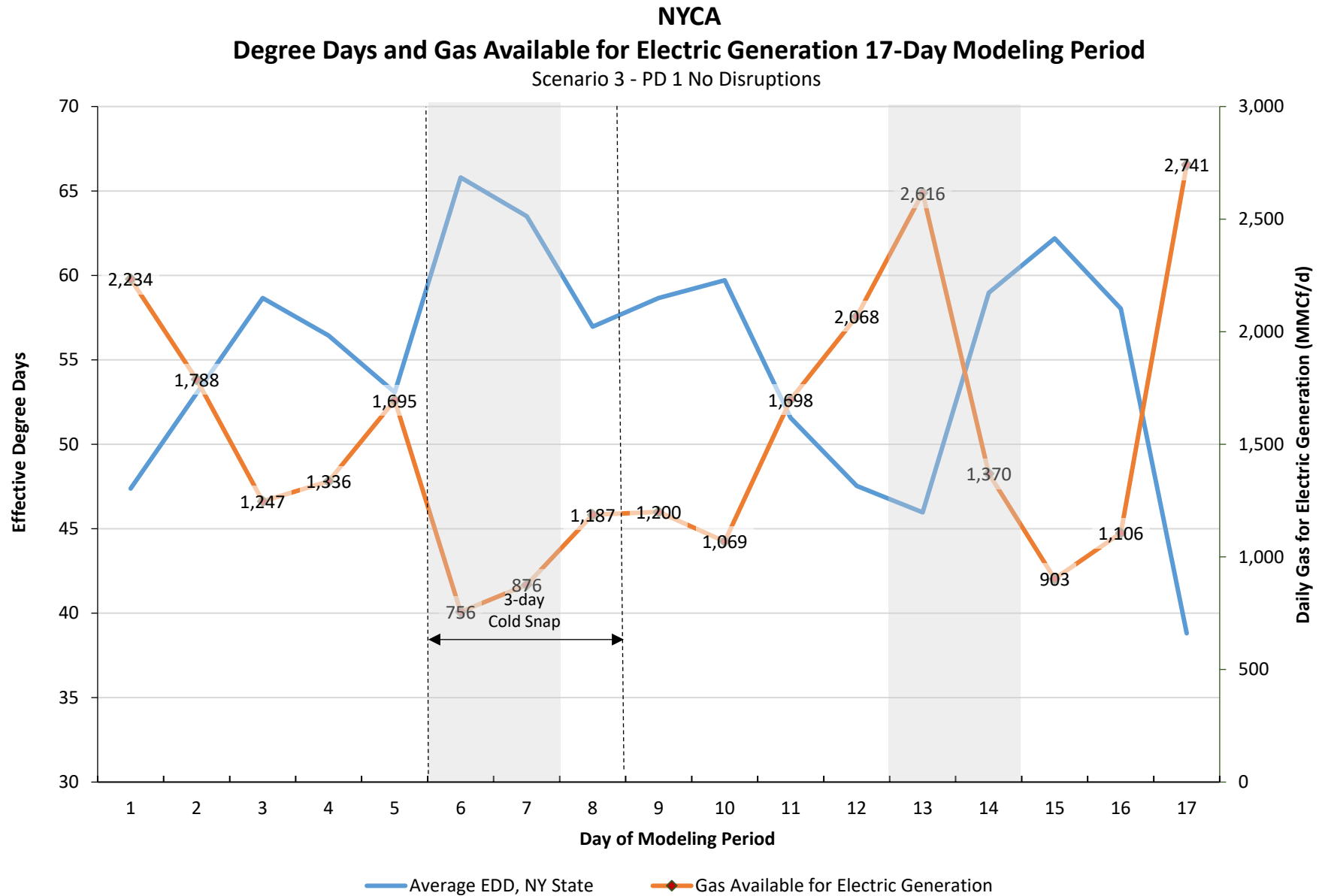
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 1 No Disruptions





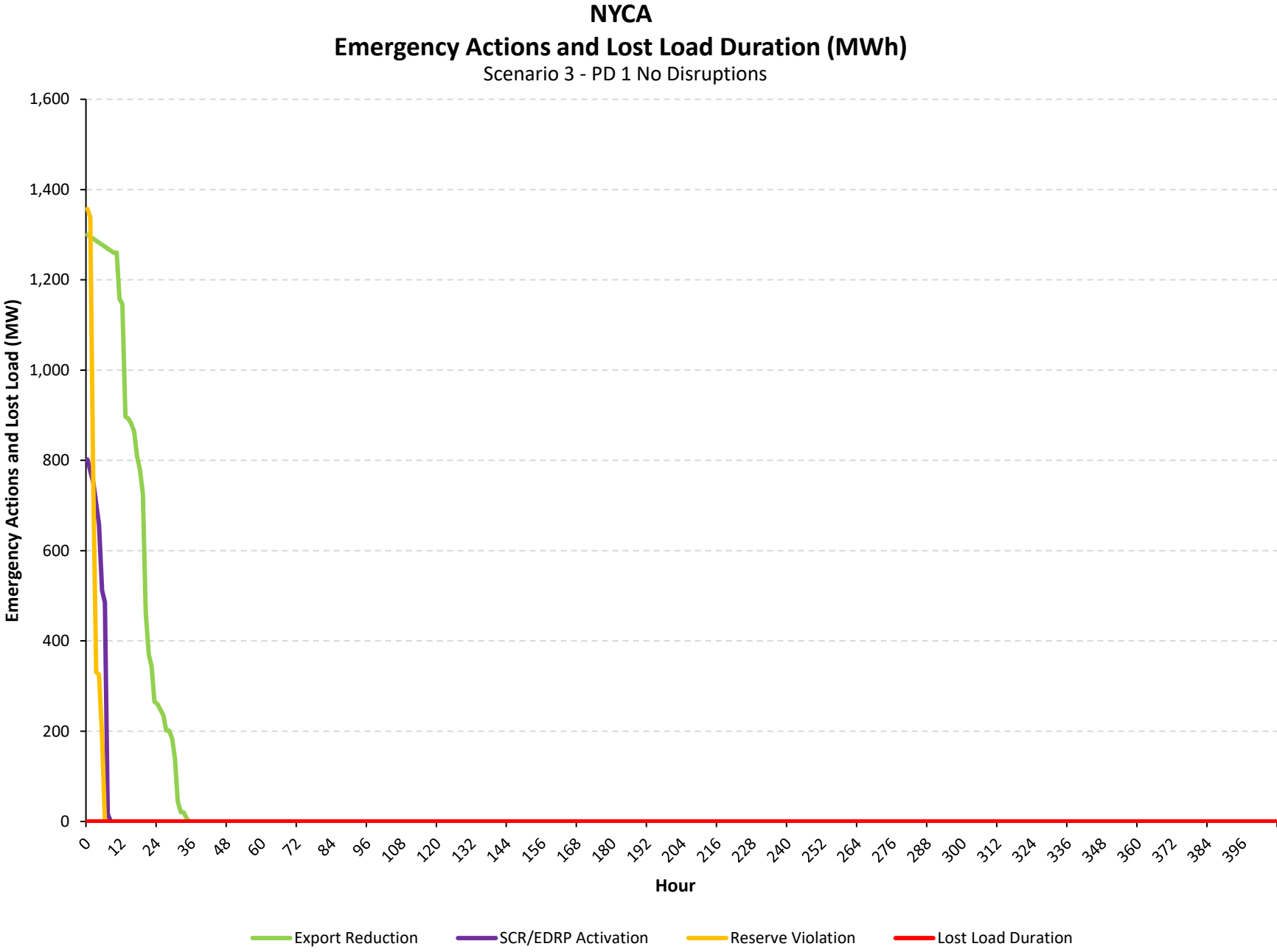
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 3 - PD 1 No Disruptions

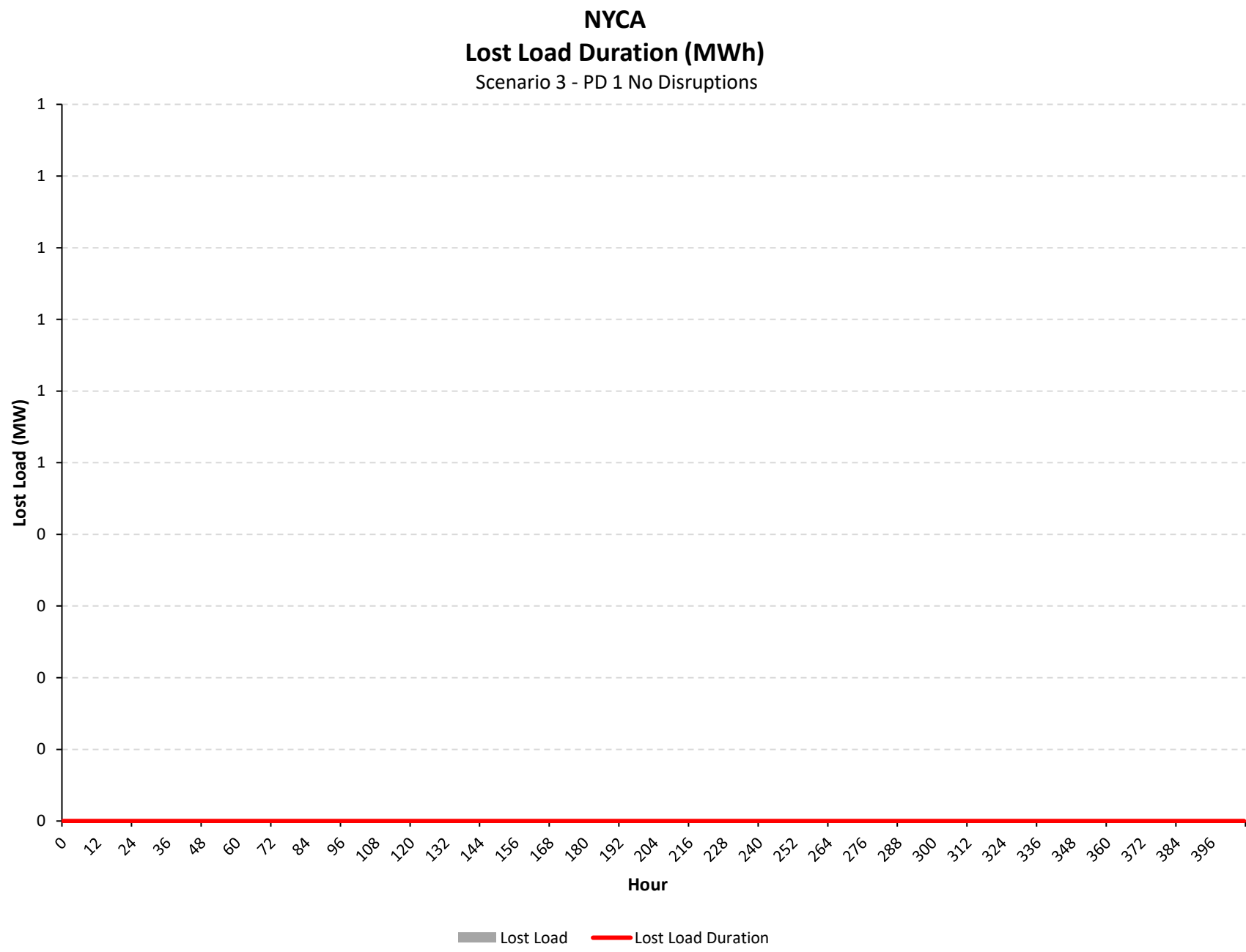




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



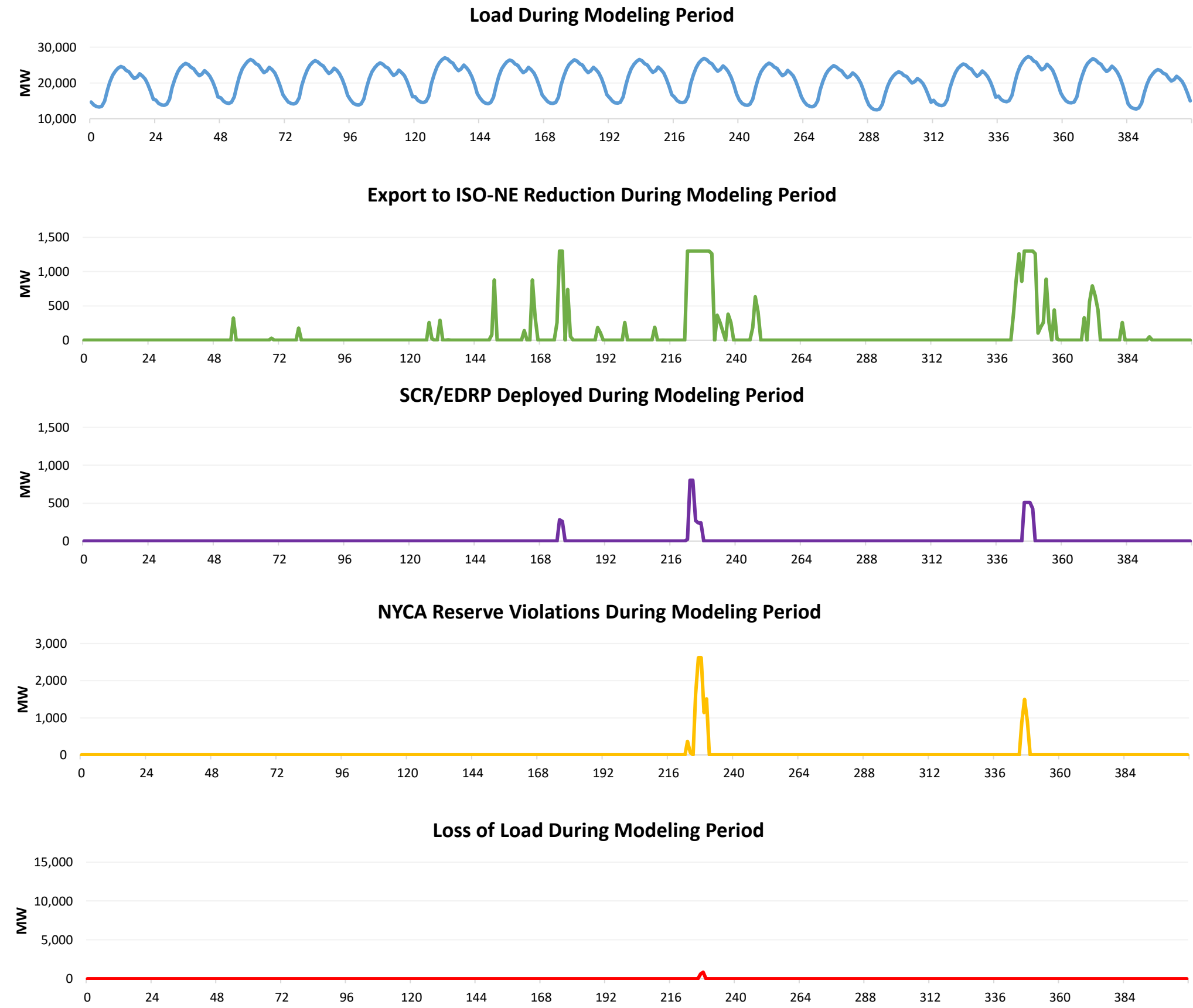


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 2 High Outage



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 63     |
| Total MWh         | 38,513 |
| Avg. MW           | 94.4   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 4,875 |
| Avg. MW        | 11.9  |

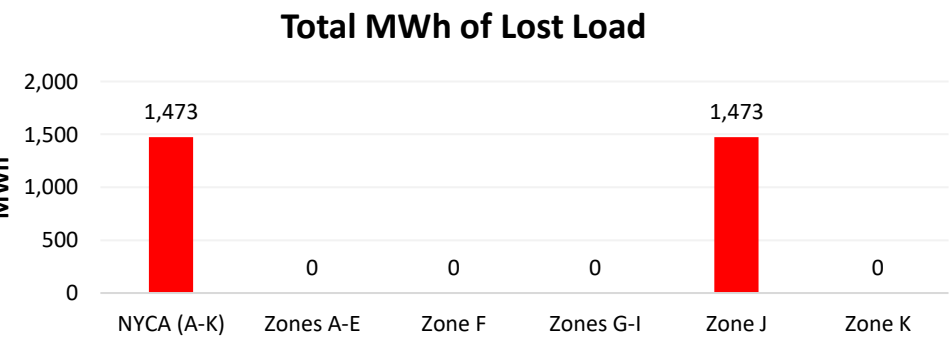
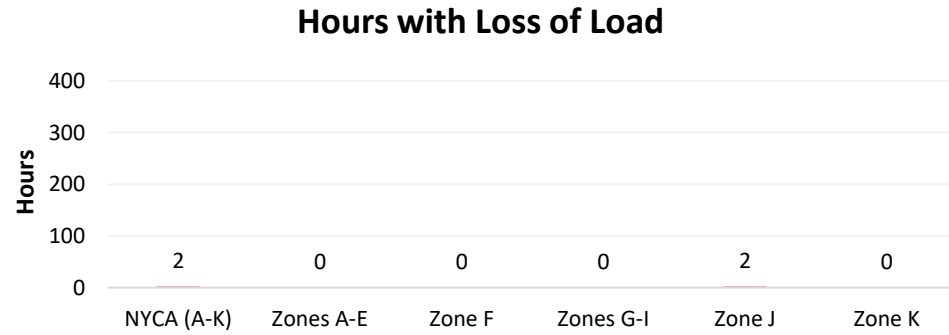
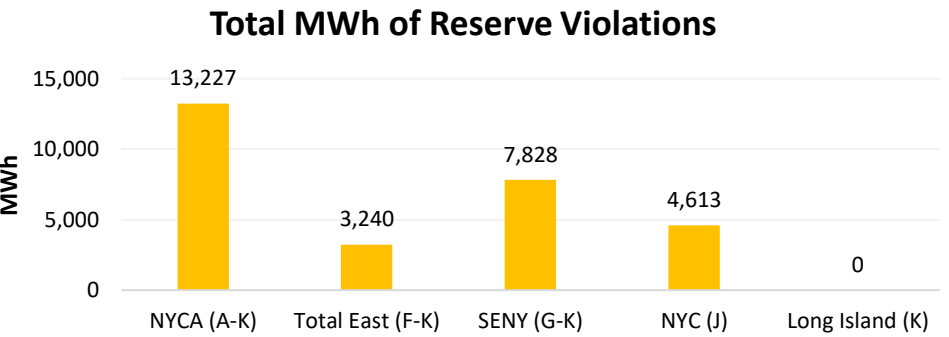
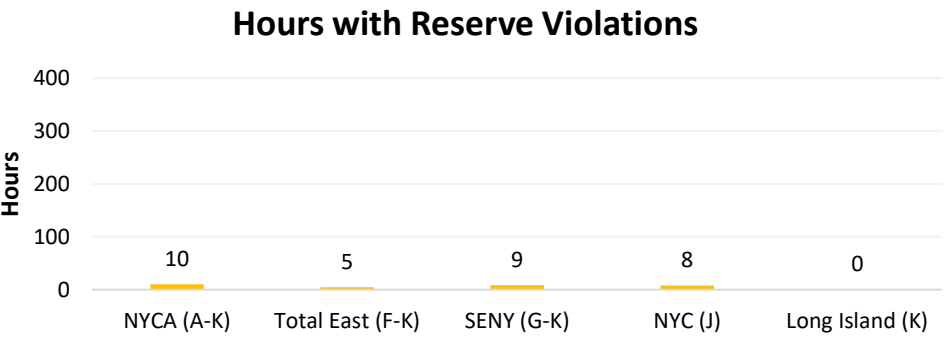
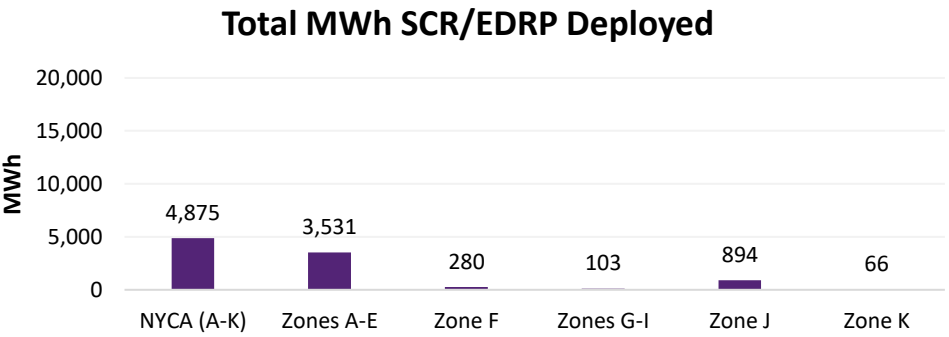
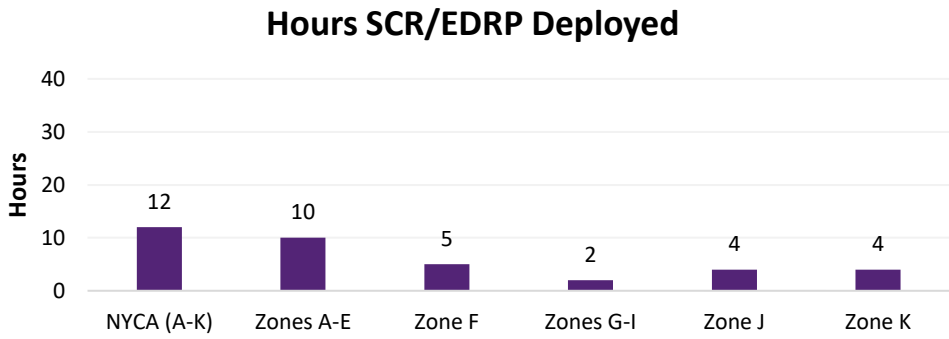
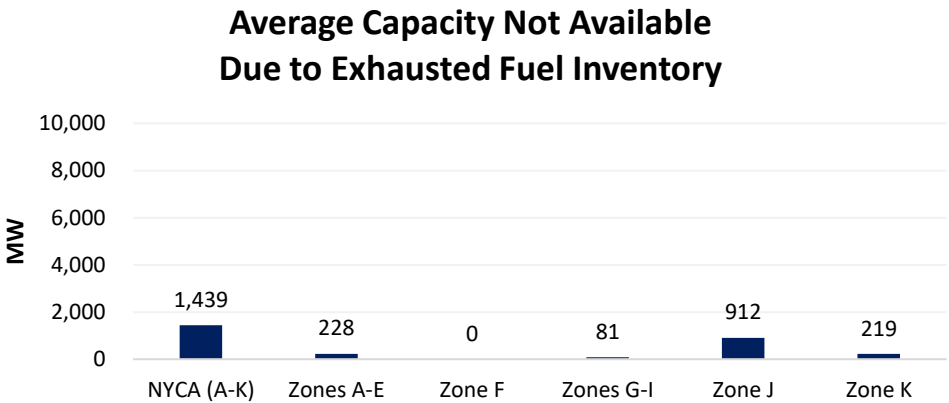
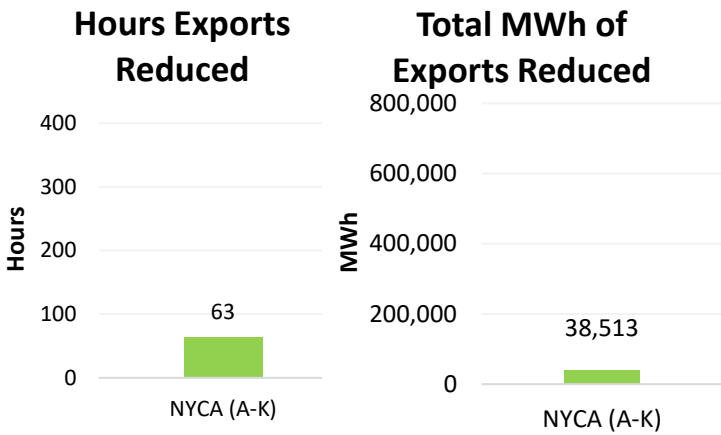
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 10     |
| Total MWh             | 13,227 |
| Avg. MW               | 32.4   |
| First Hour with Viol. | 223    |

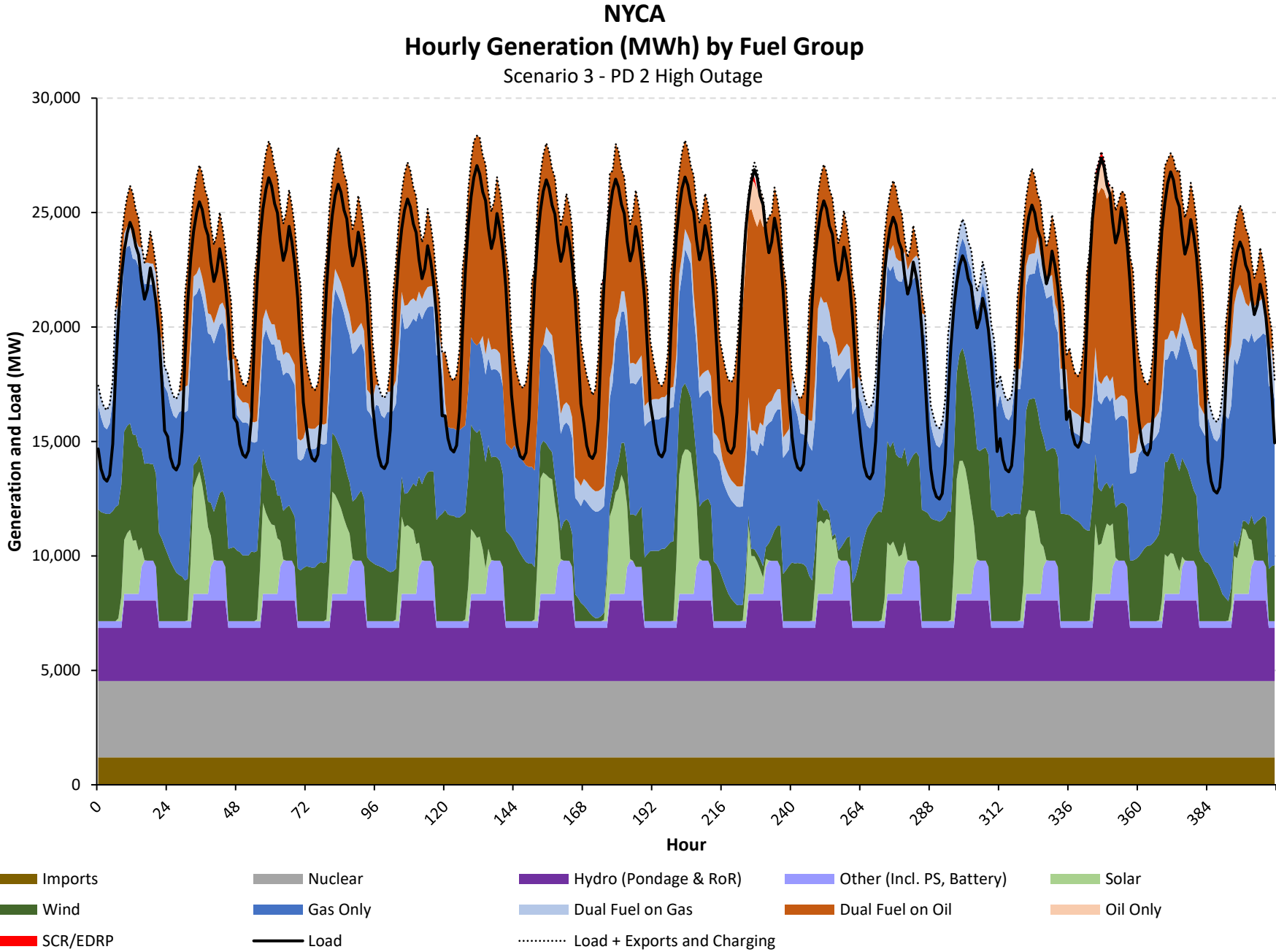
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 2     |
| Total MWh              | 1,473 |
| Avg. MW                | 3.6   |
| First Hour with Losses | 227   |

Full Period Results Summary

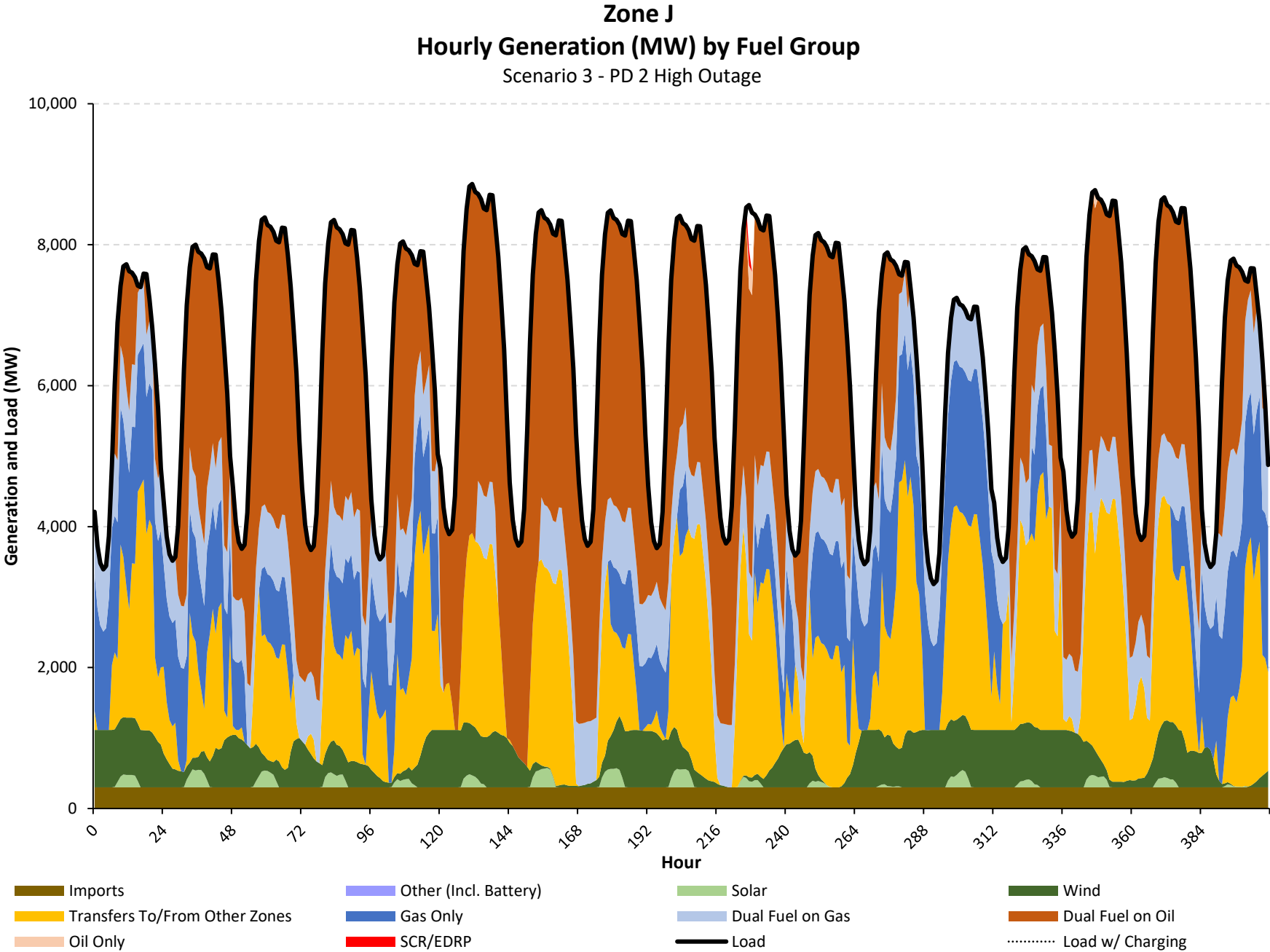
Case Name: Scenario 3 - PD 2 High Outage

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

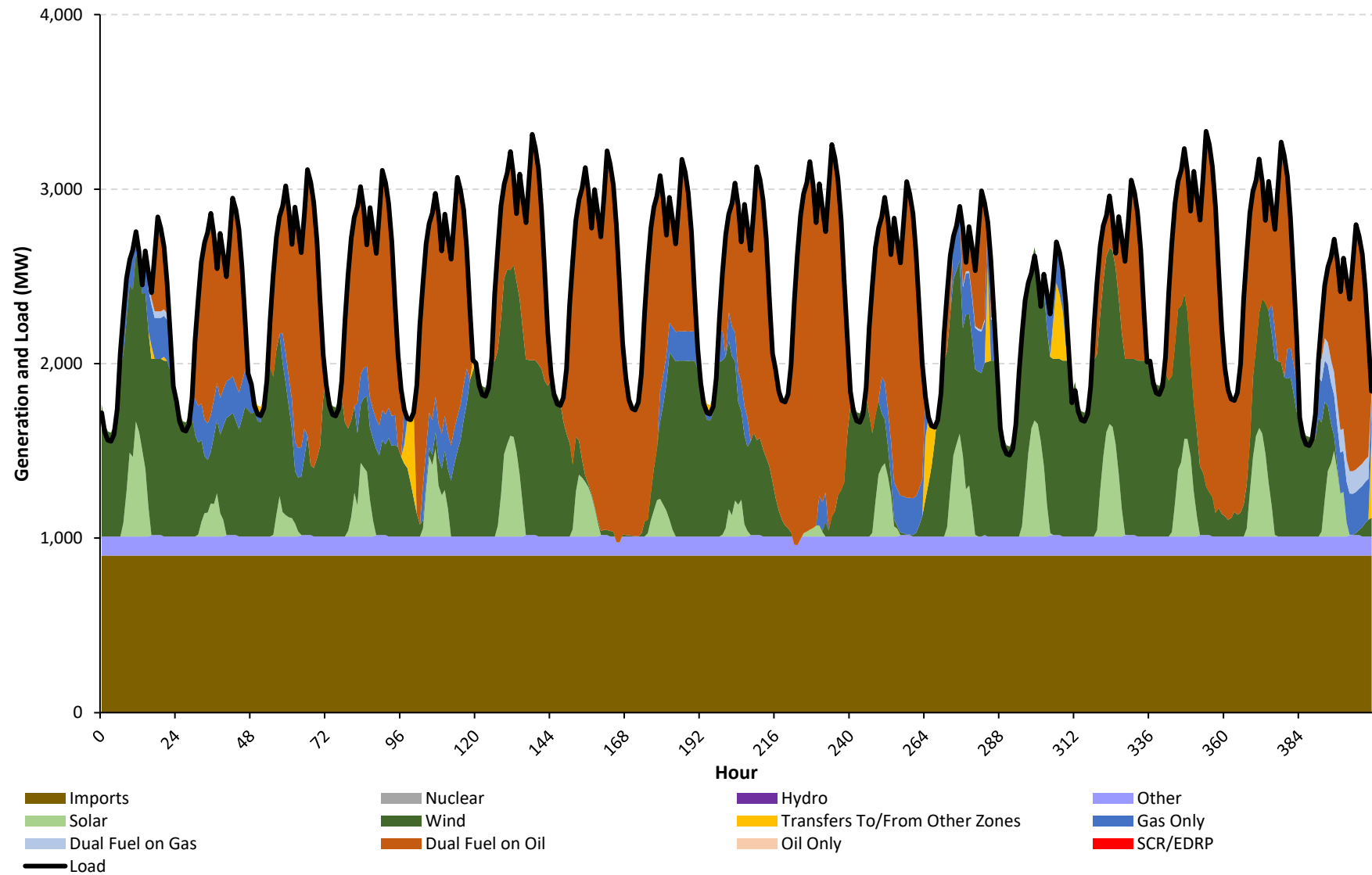


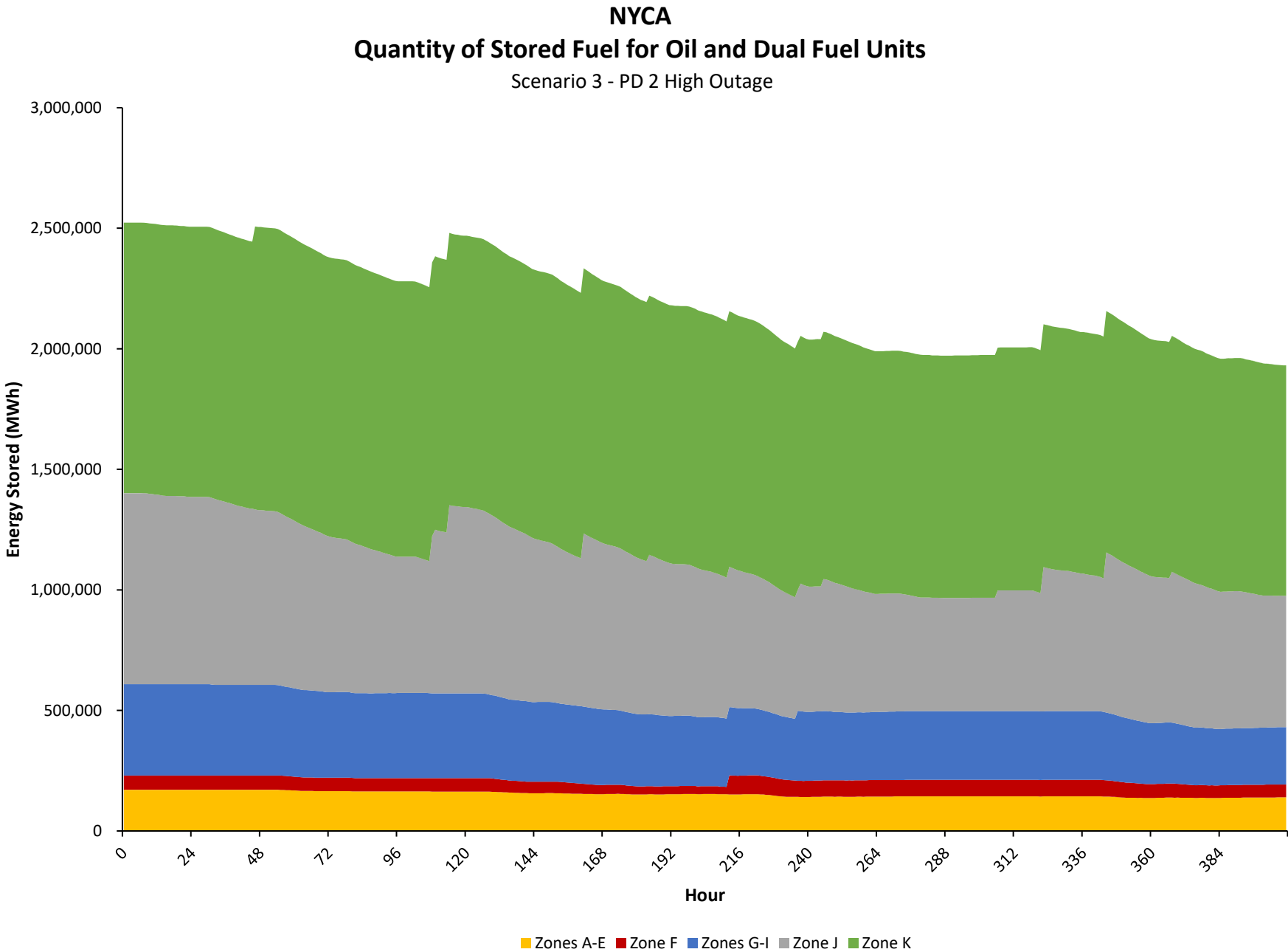


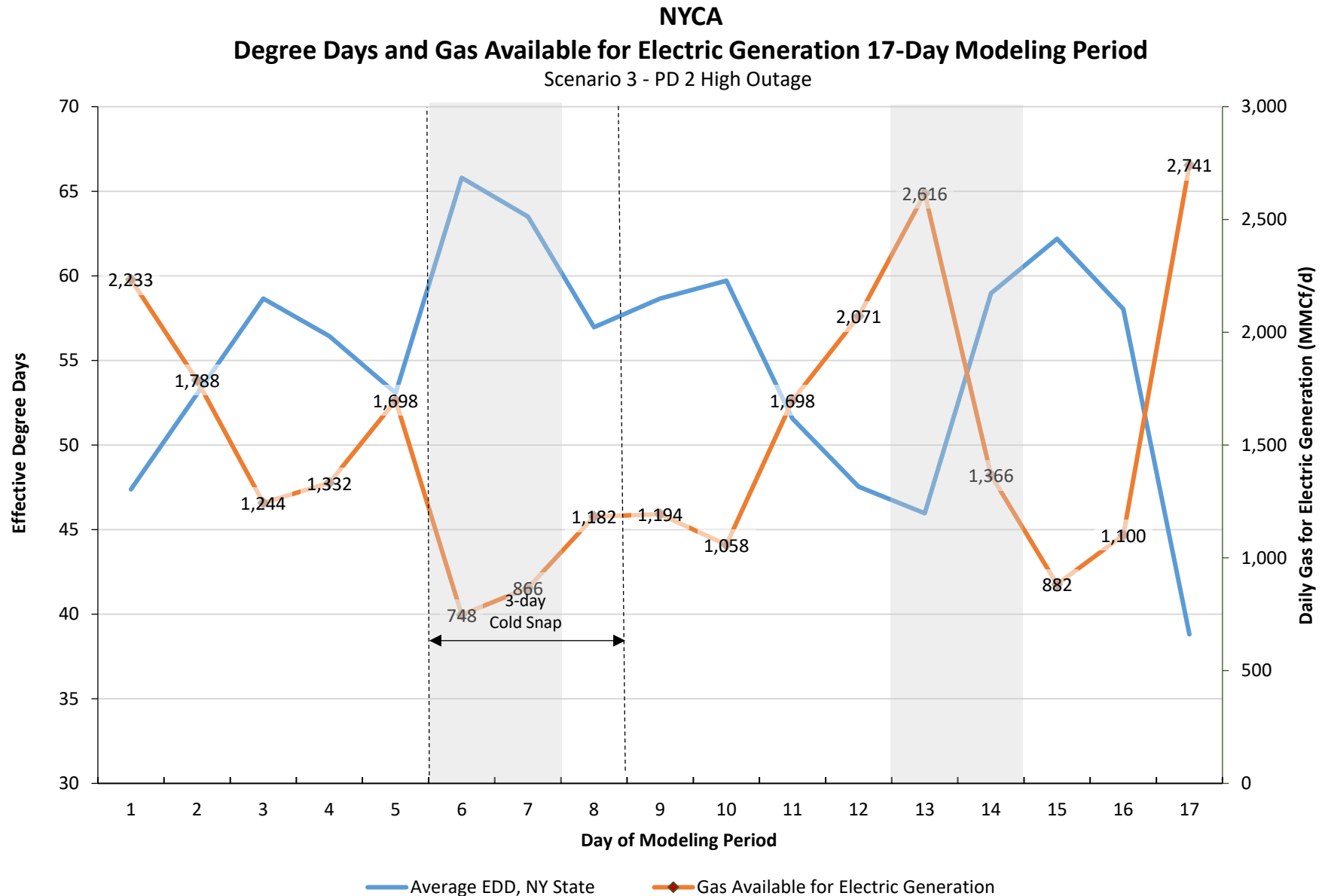




Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 3 - PD 2 High Outage

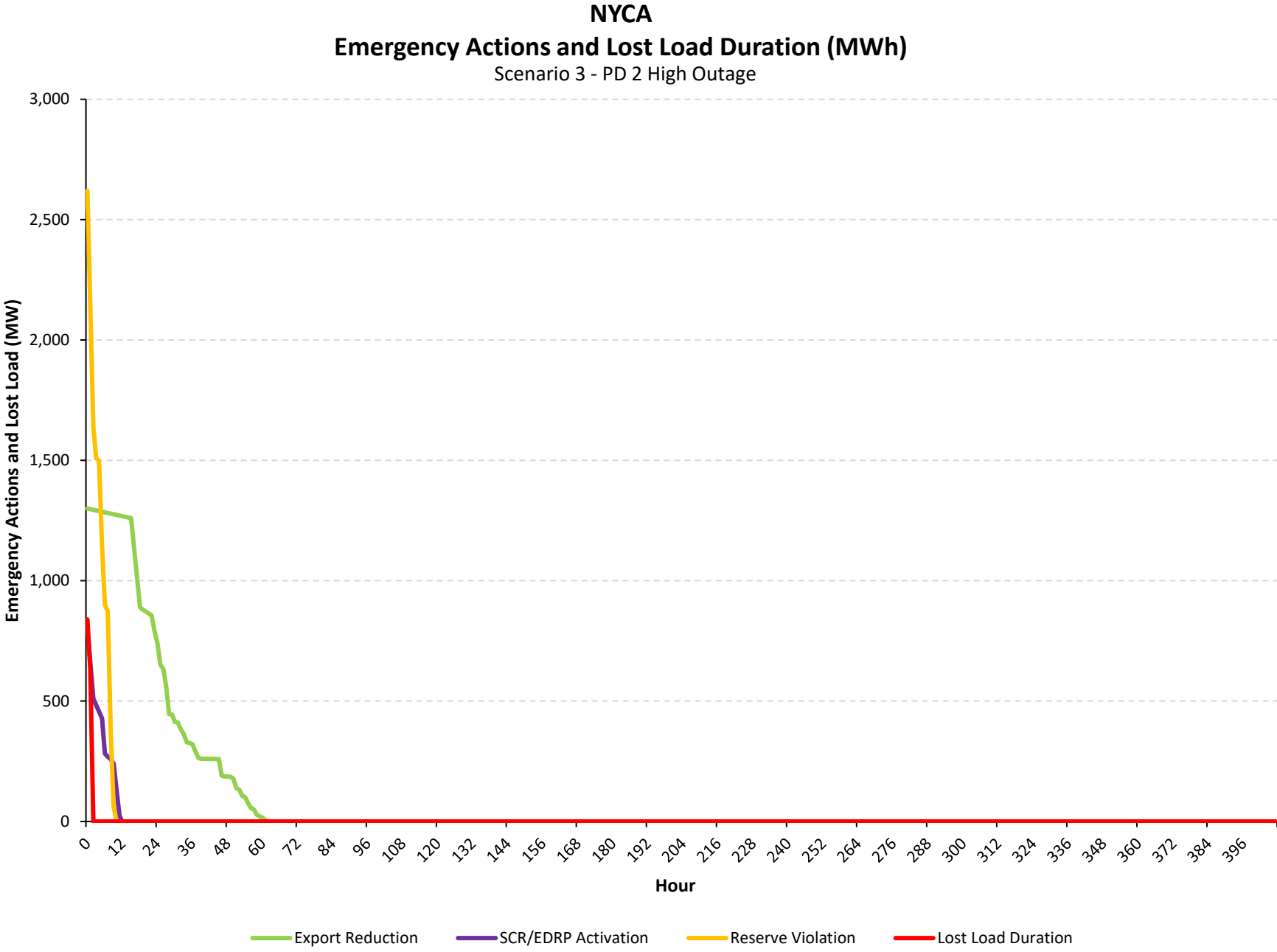


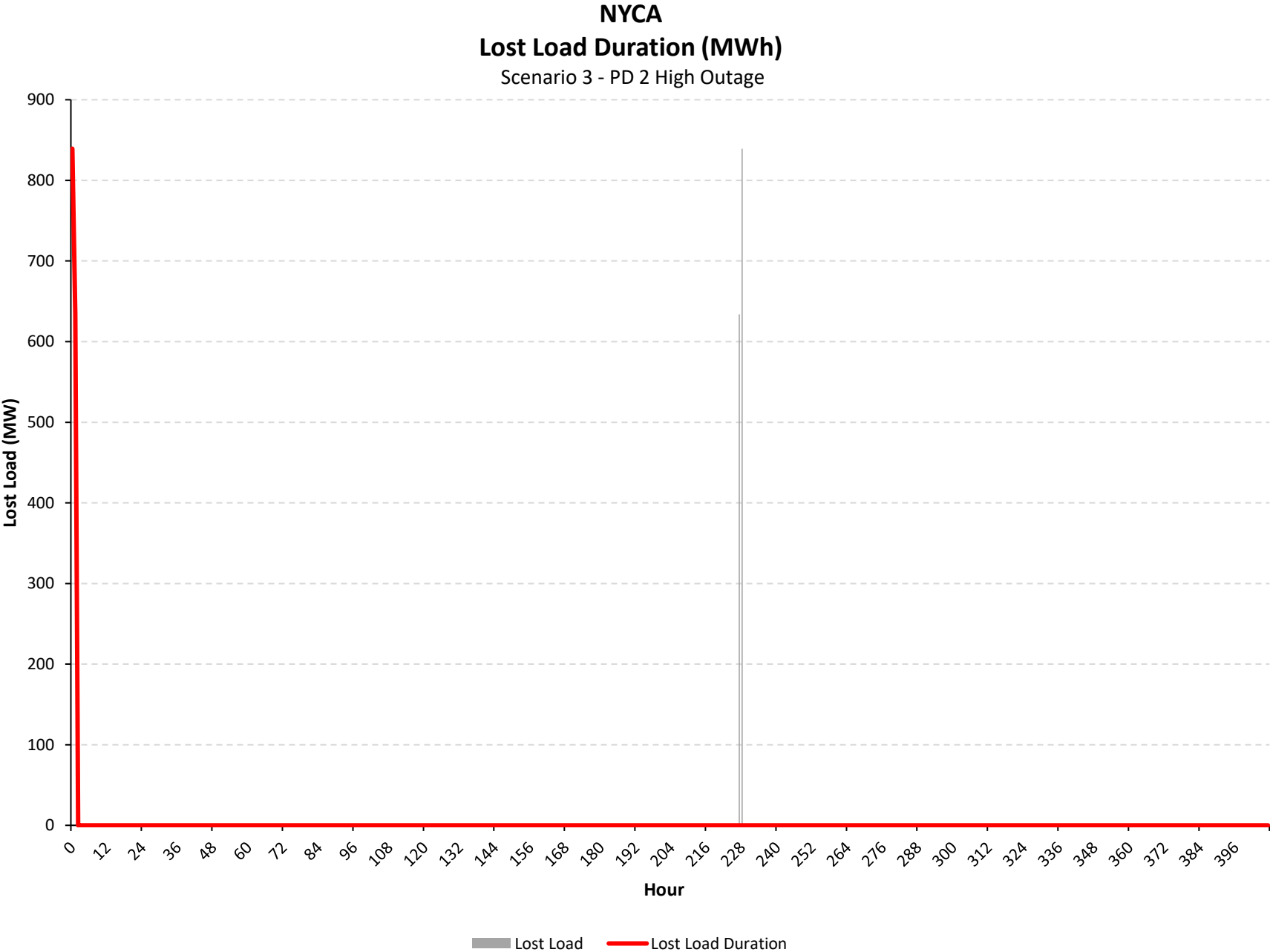




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



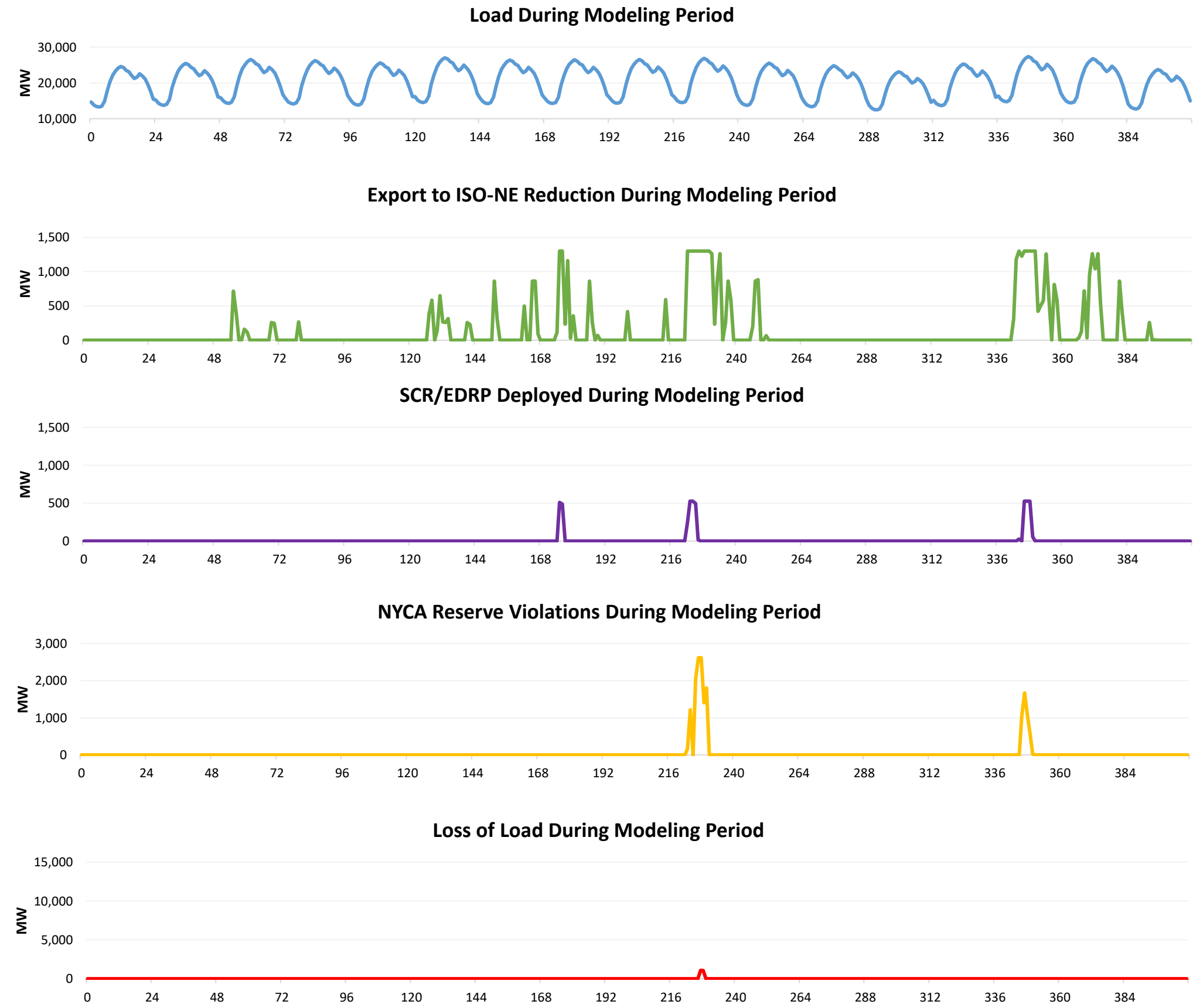


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 3 SENY Deactivation



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | Roseton   |
| Import Scenario:         | All       |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 83     |
| Total MWh         | 57,237 |
| Avg. MW           | 140.3  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 4,474 |
| Avg. MW        | 11.0  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 12     |
| Total MWh             | 16,244 |
| Avg. MW               | 39.8   |
| First Hour with Viol. | 223    |

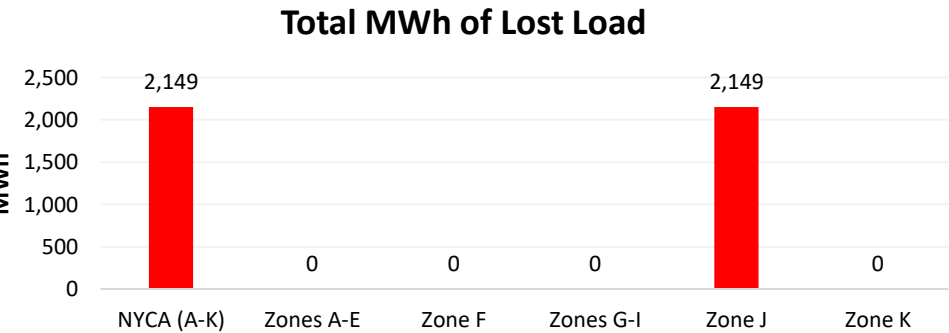
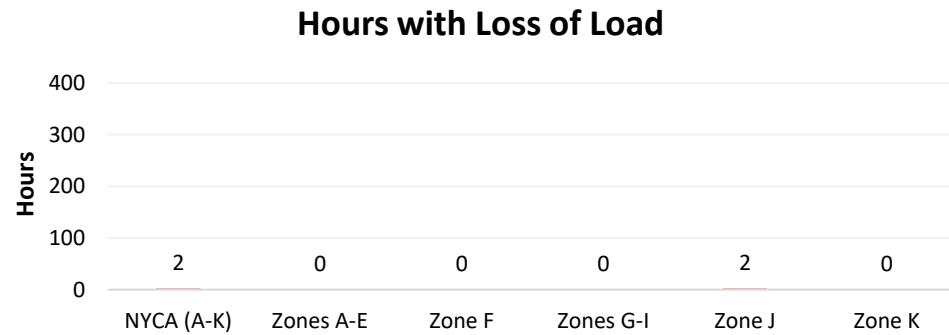
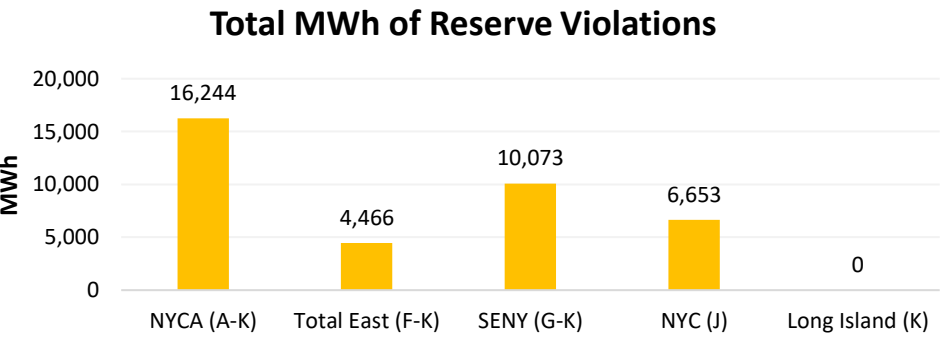
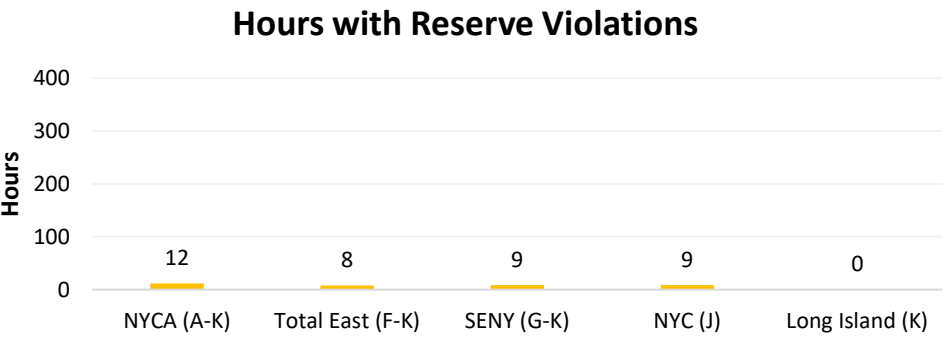
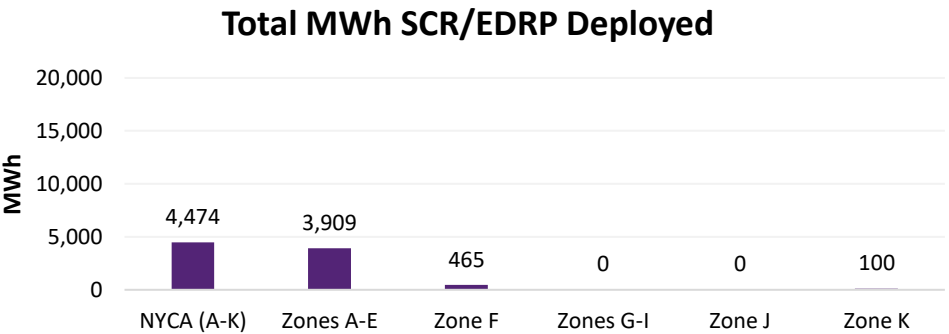
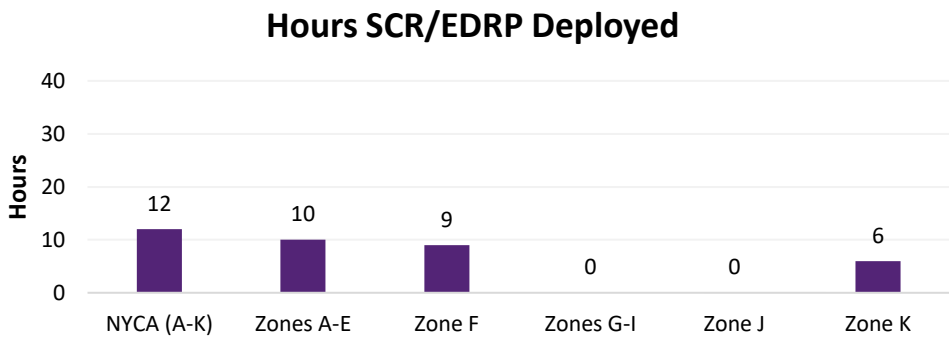
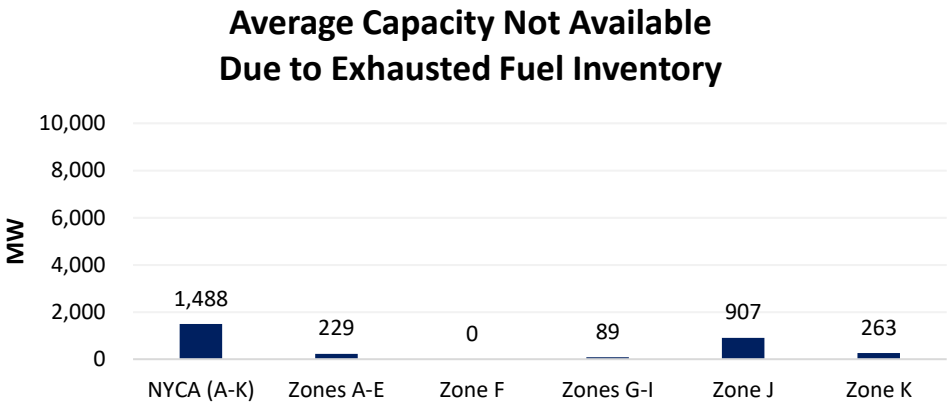
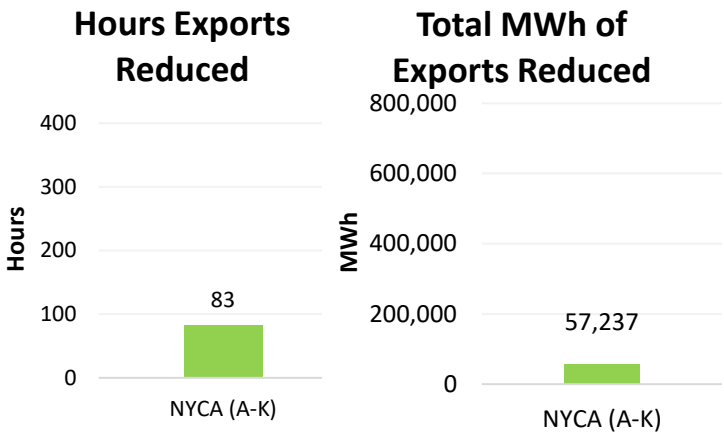
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 2     |
| Total MWh              | 2,149 |
| Avg. MW                | 5.3   |
| First Hour with Losses | 227   |

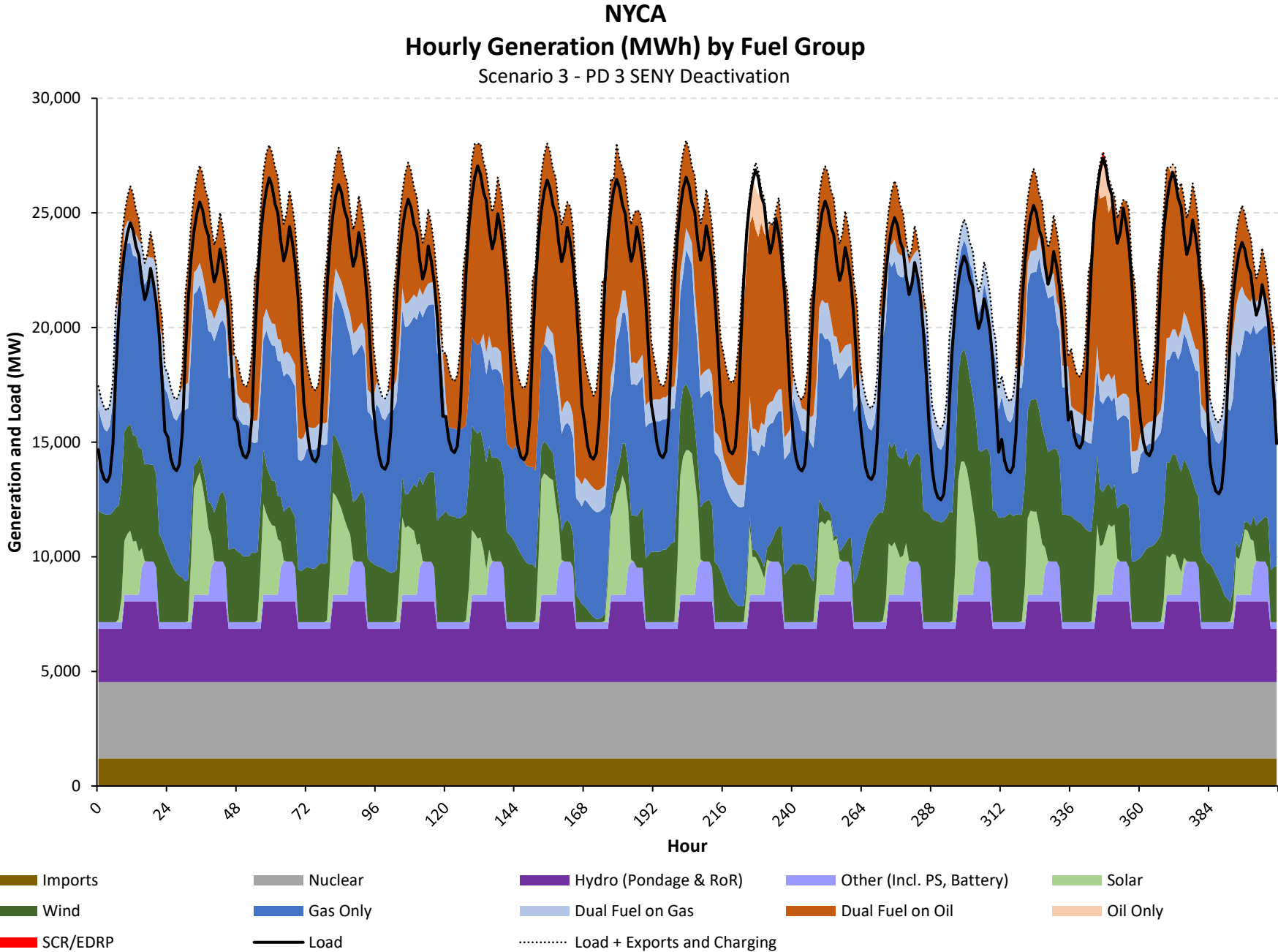


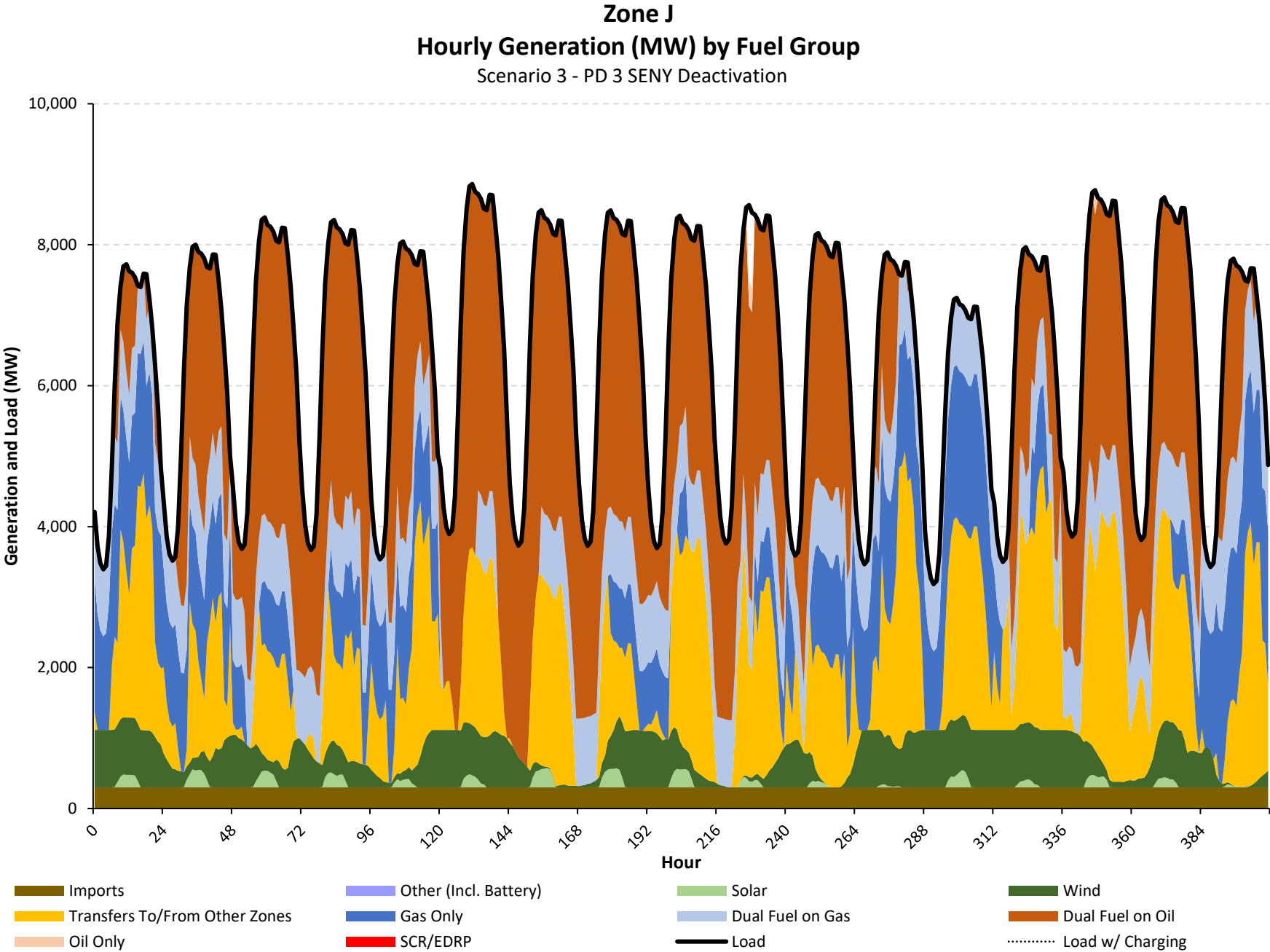
Full Period Results Summary

Case Name: Scenario 3 - PD 3 SENY Deactivation

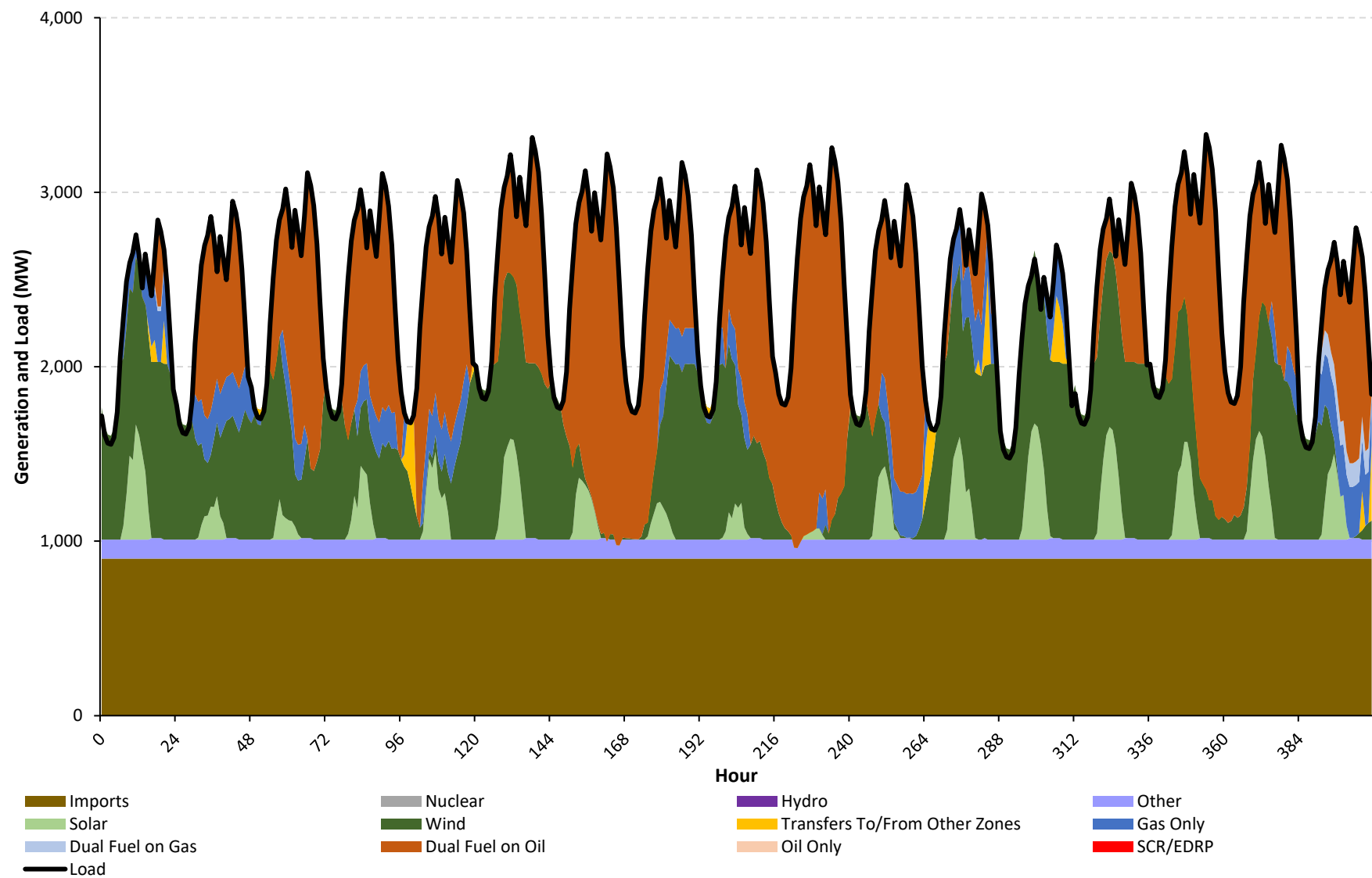
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | Roseton   |
| Import Scenario:         | All       |

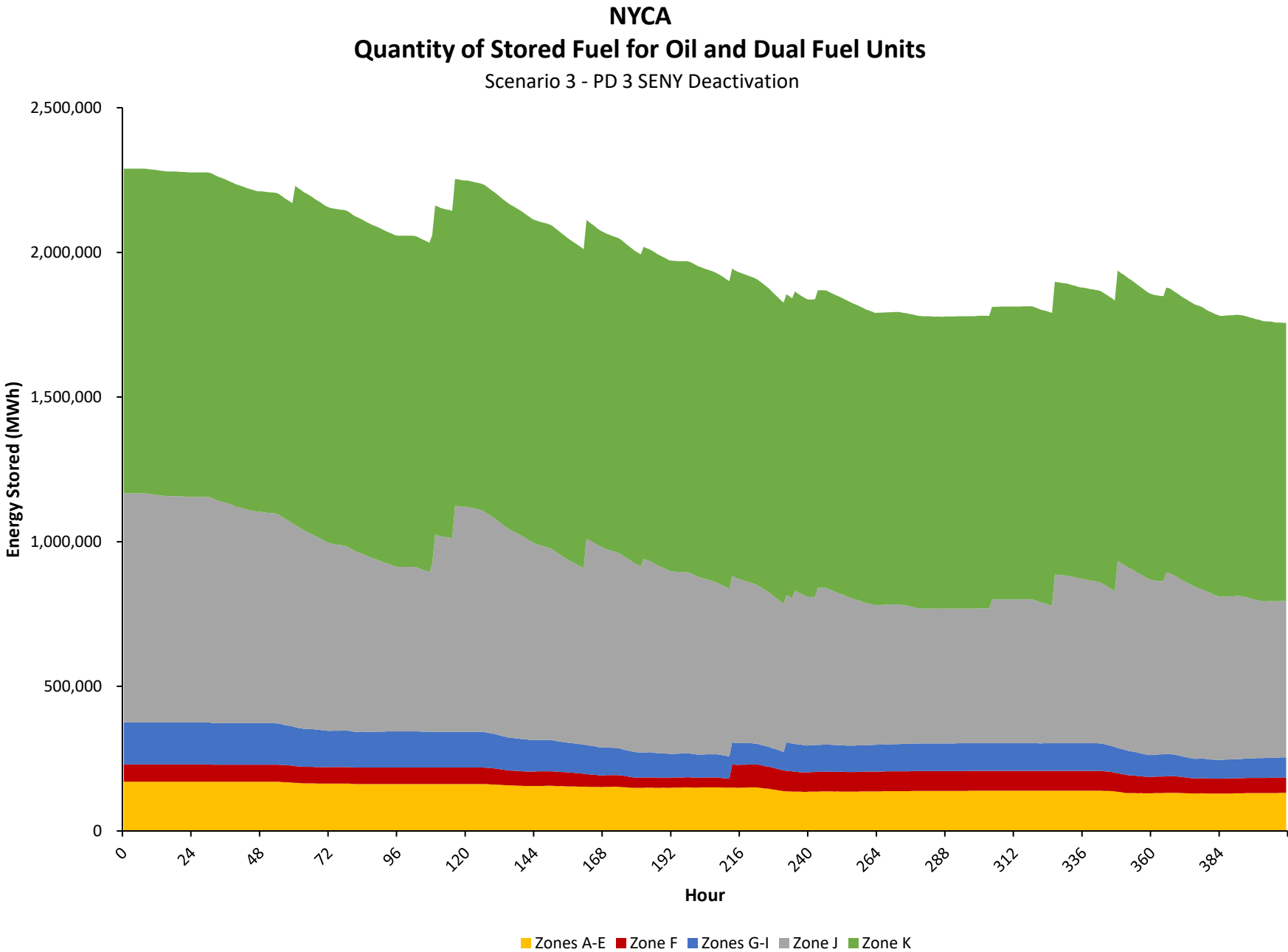






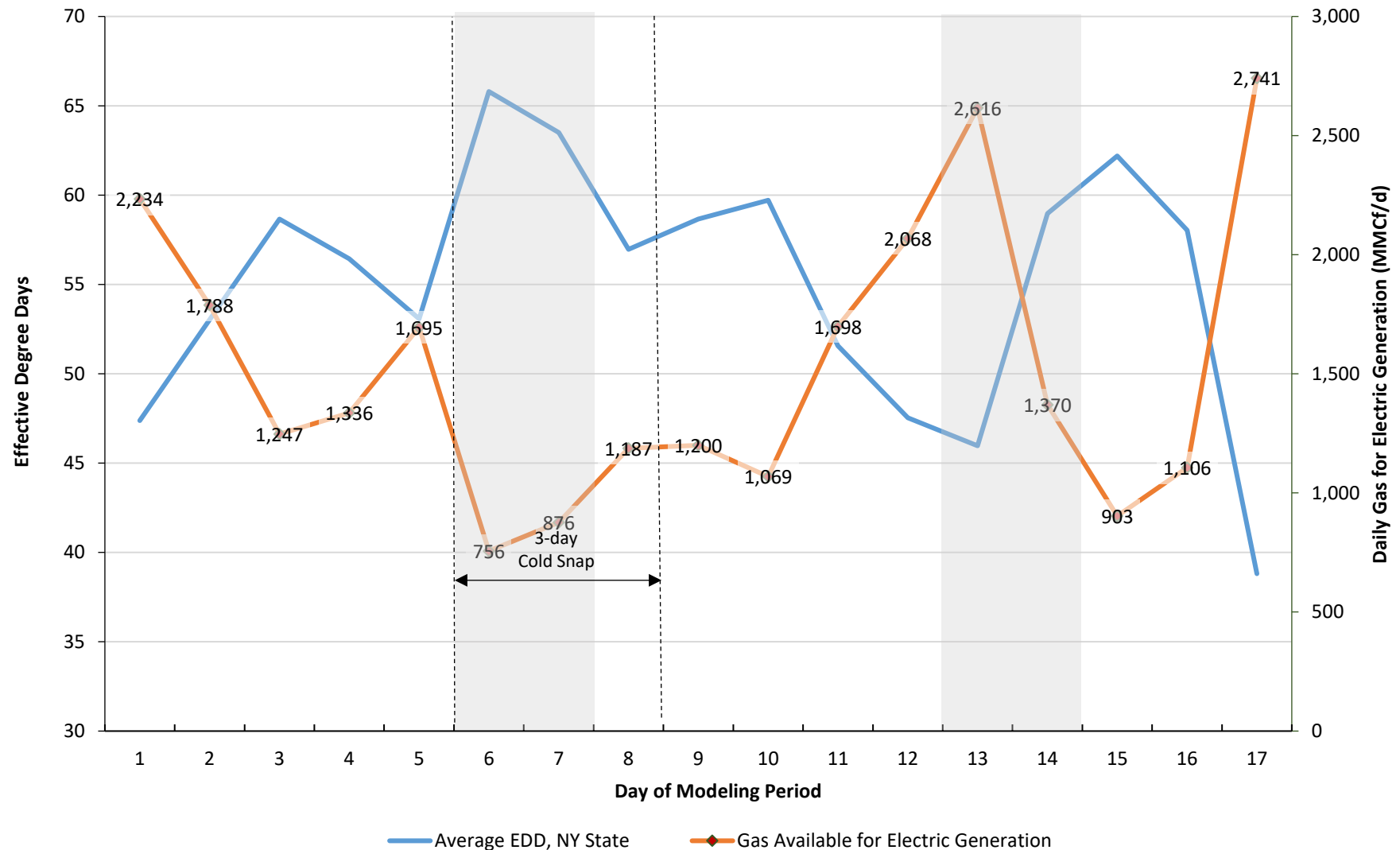
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 3 SENY Deactivation





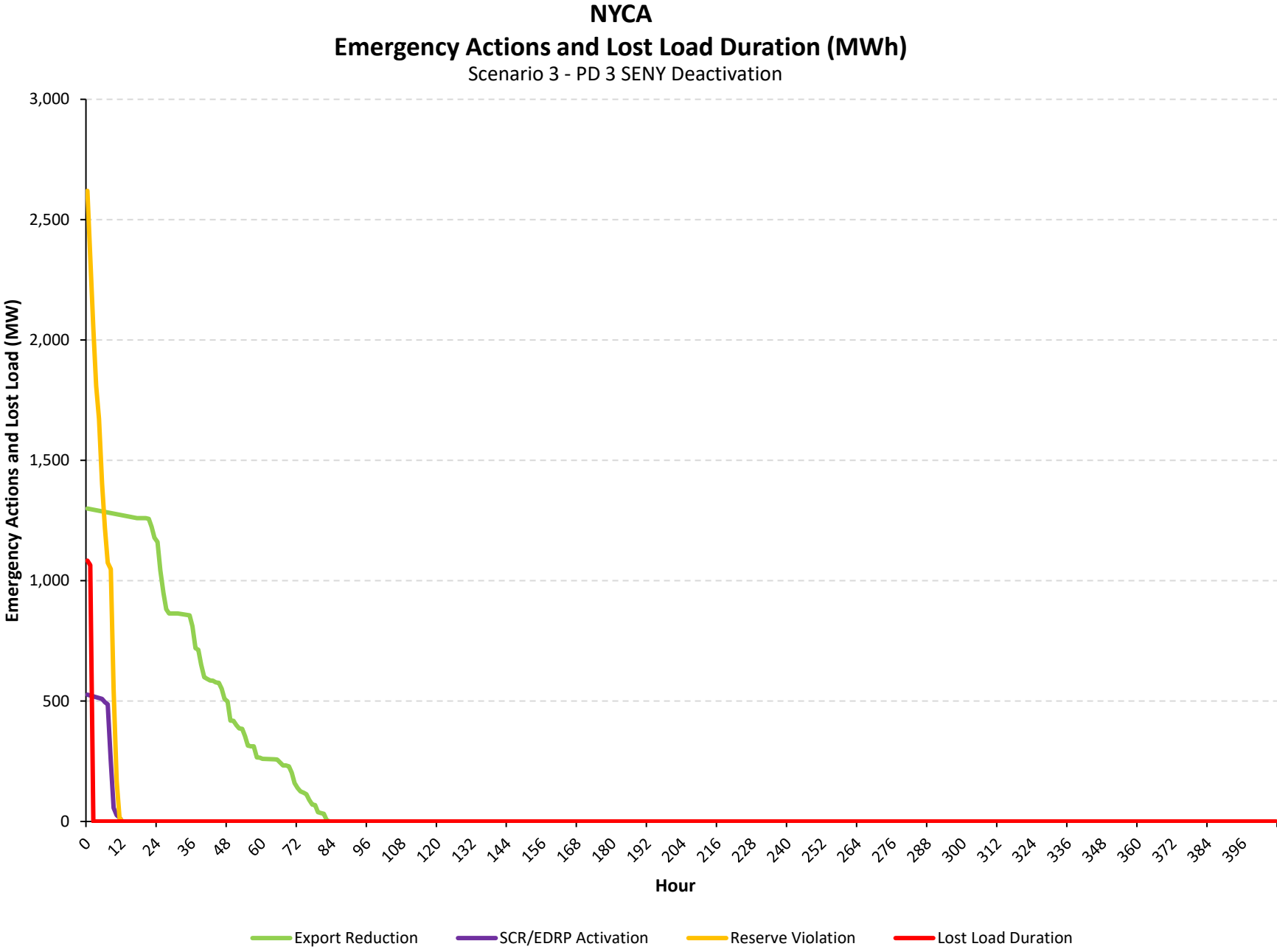
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

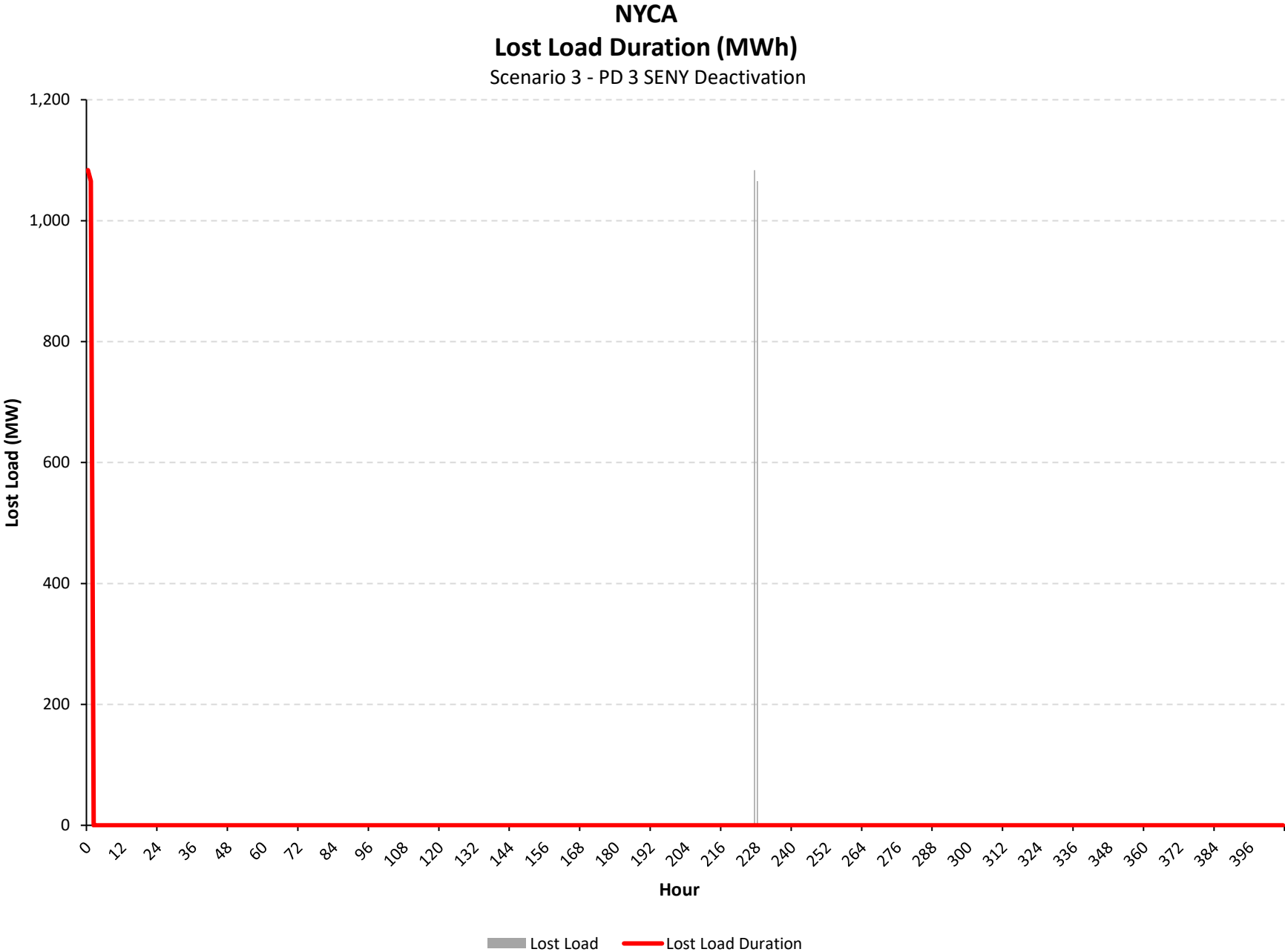
Scenario 3 - PD 3 SENY Deactivation



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





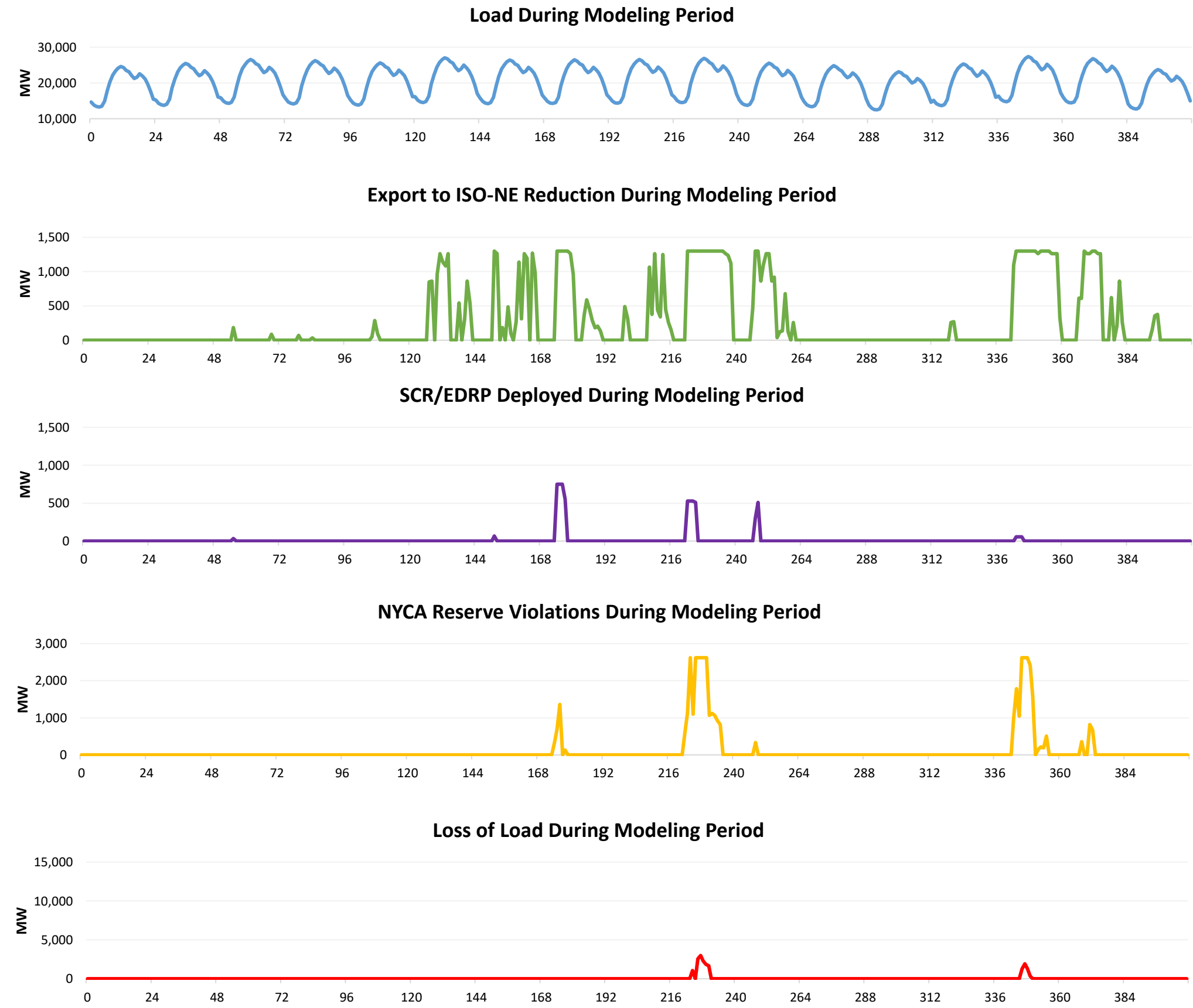


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 4 Nuclear Station Outage



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | On        |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 123     |
| Total MWh         | 105,694 |
| Avg. MW           | 259.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 5,970 |
| Avg. MW        | 14.6  |

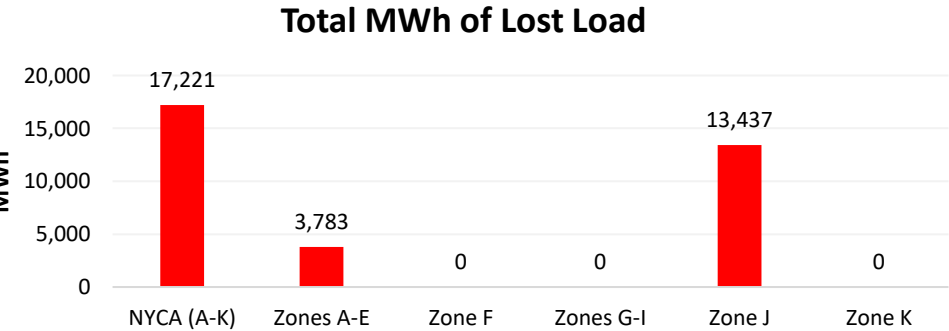
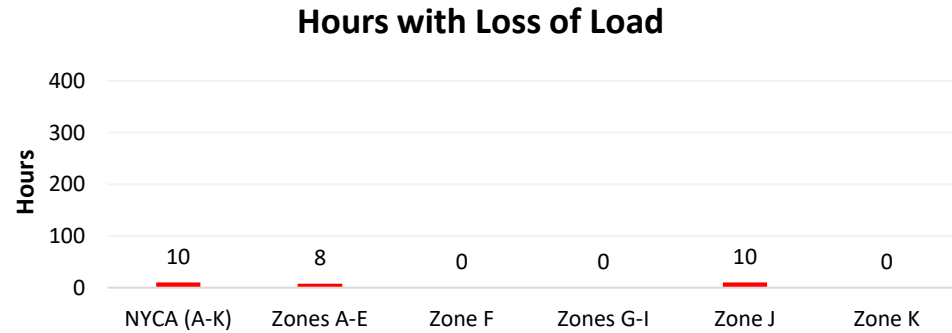
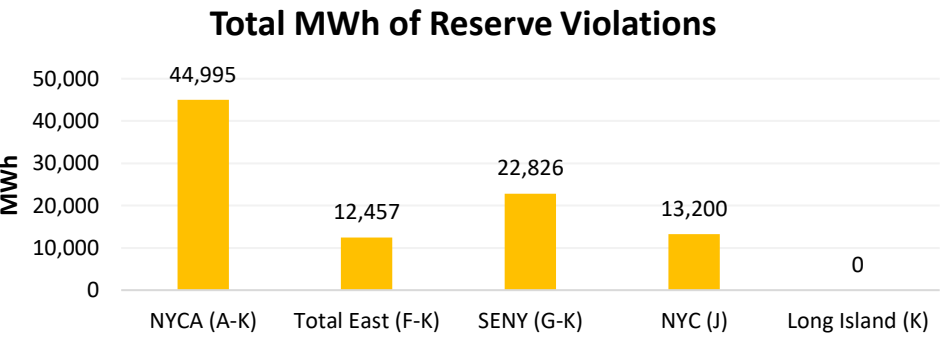
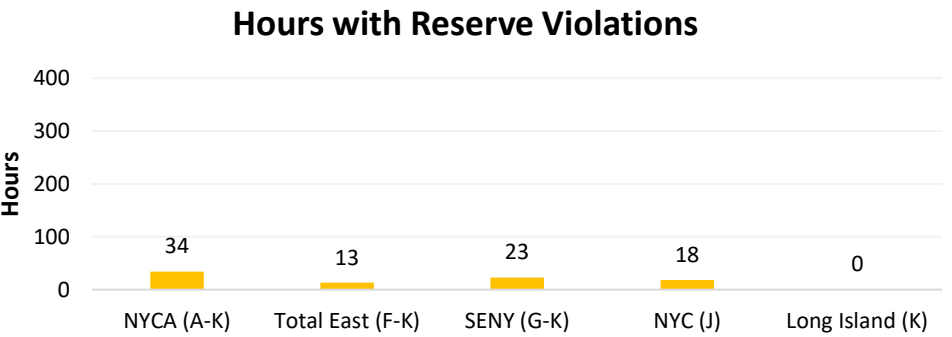
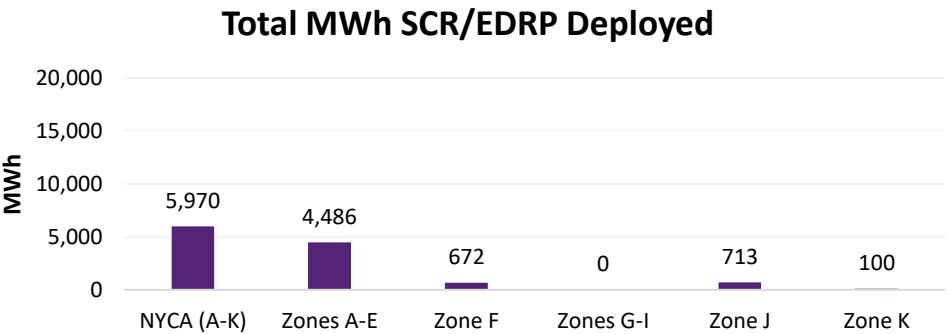
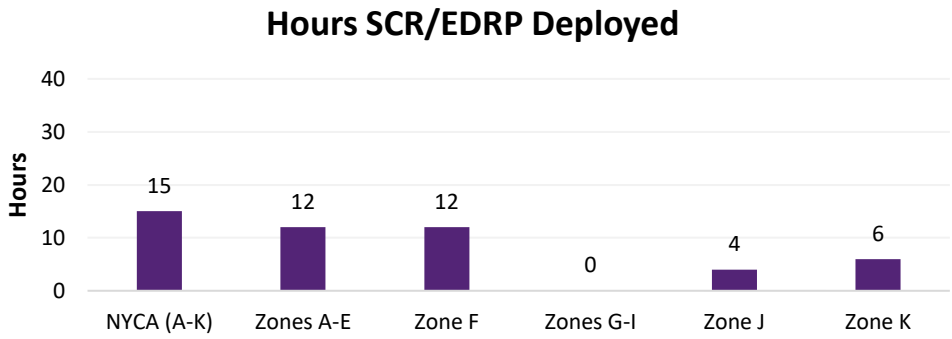
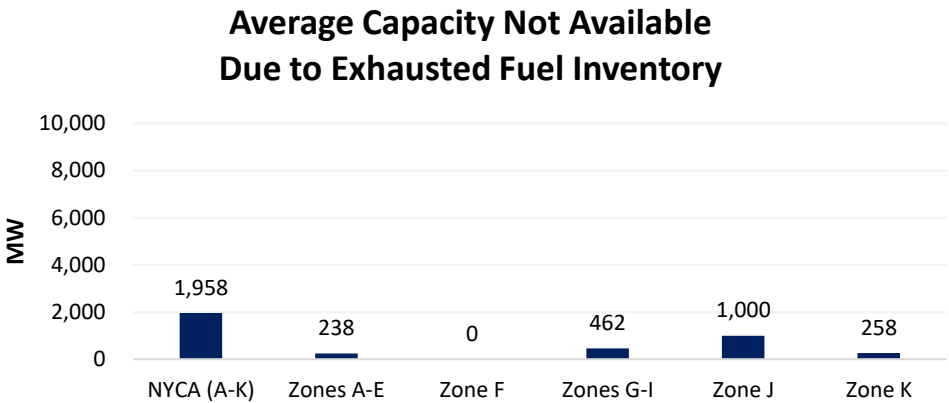
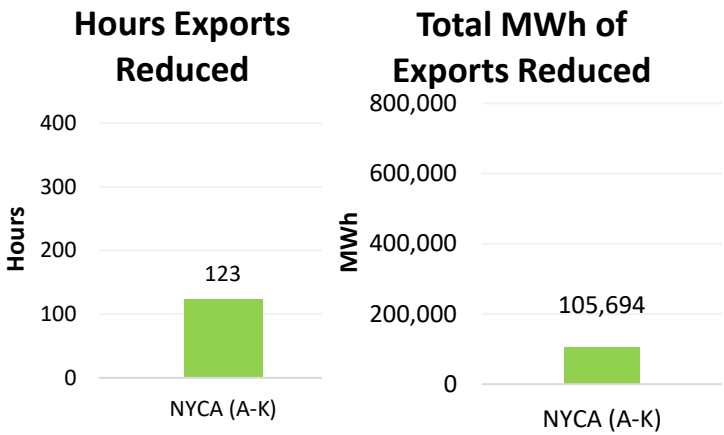
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 34     |
| Total MWh             | 44,995 |
| Avg. MW               | 110.3  |
| First Hour with Viol. | 174    |

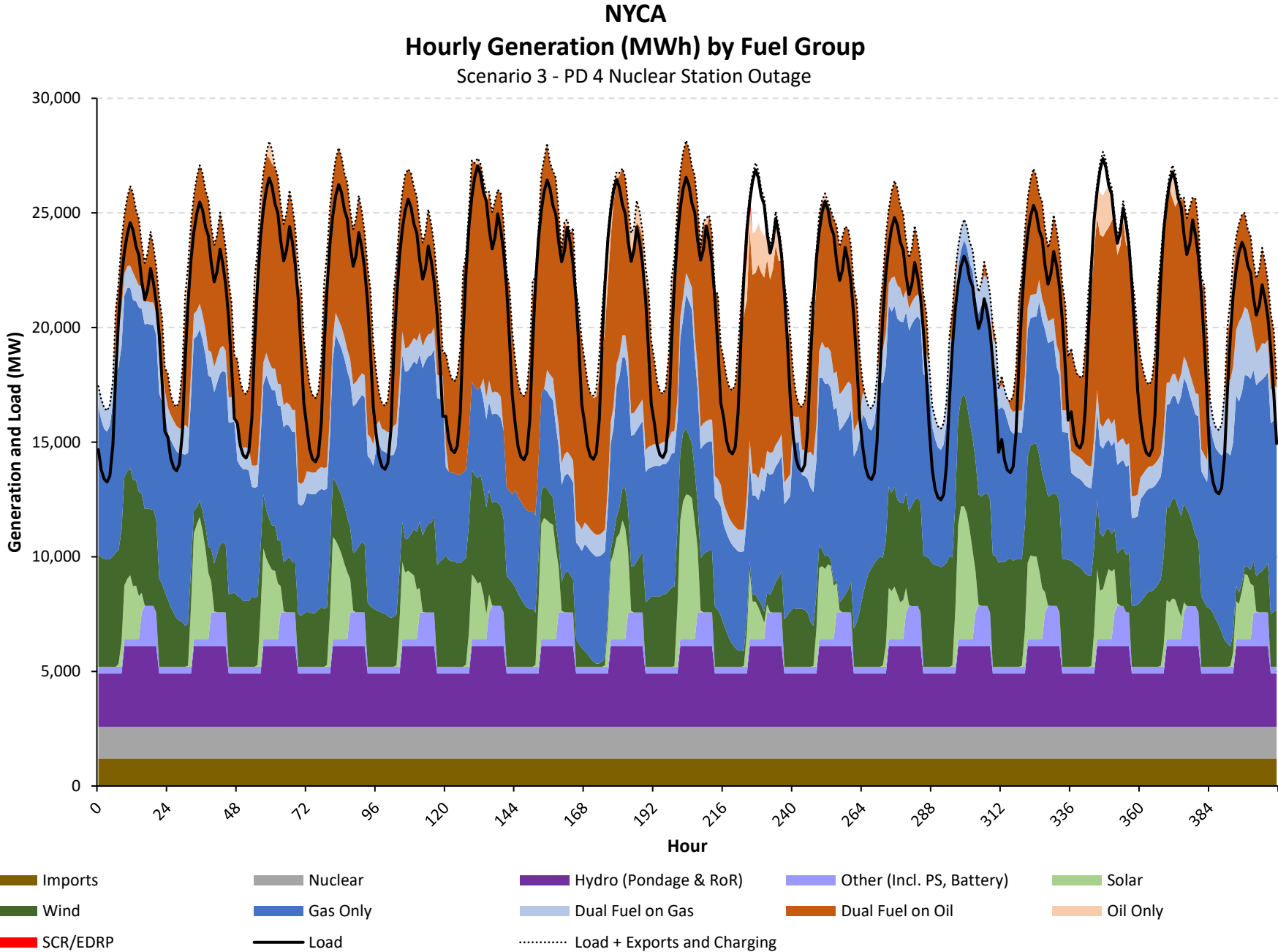
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 10     |
| Total MWh              | 17,221 |
| Avg. MW                | 42.2   |
| First Hour with Losses | 224    |

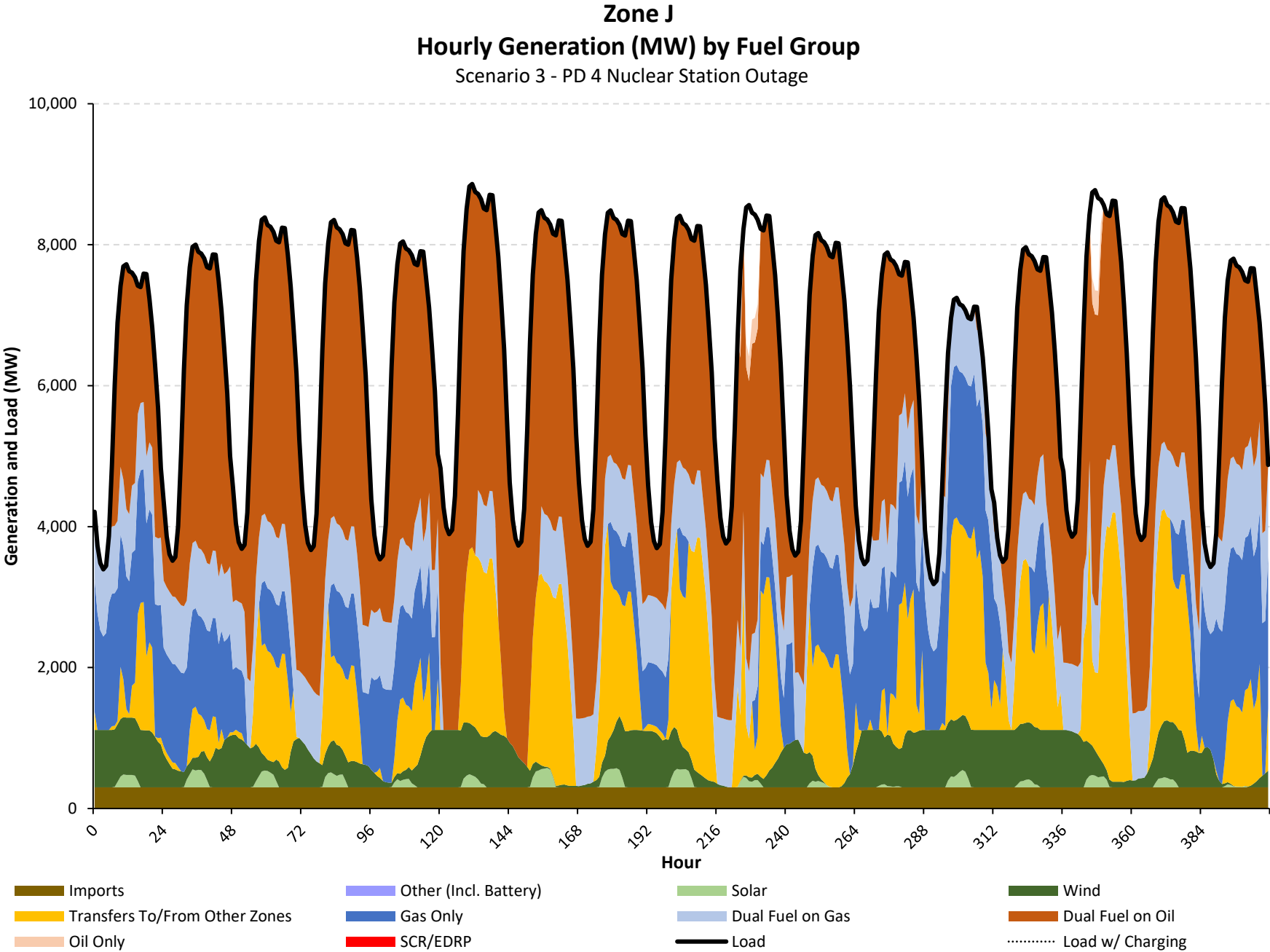
Full Period Results Summary

Case Name: Scenario 3 - PD 4 Nuclear Station Outage

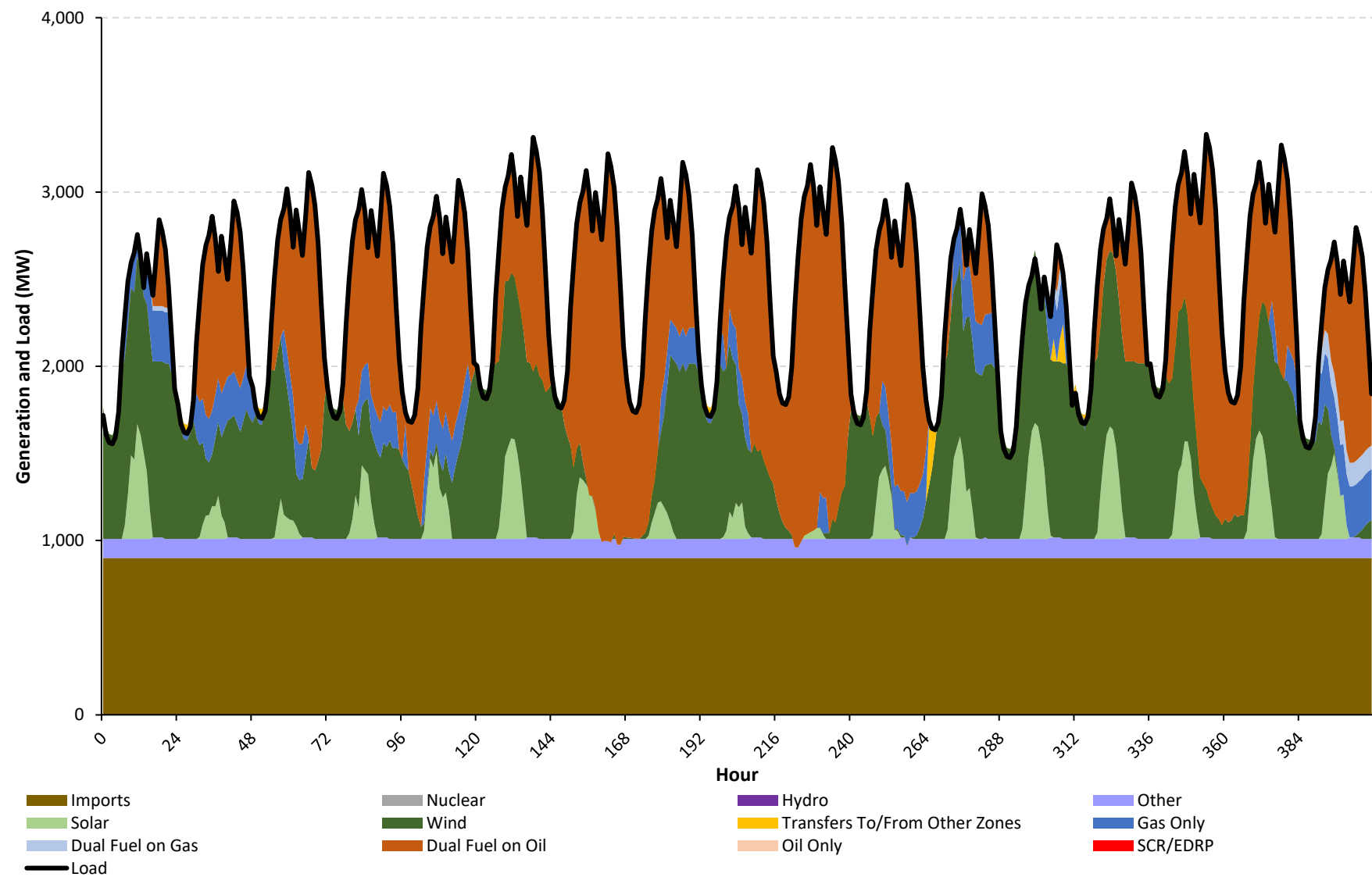
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | On        |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

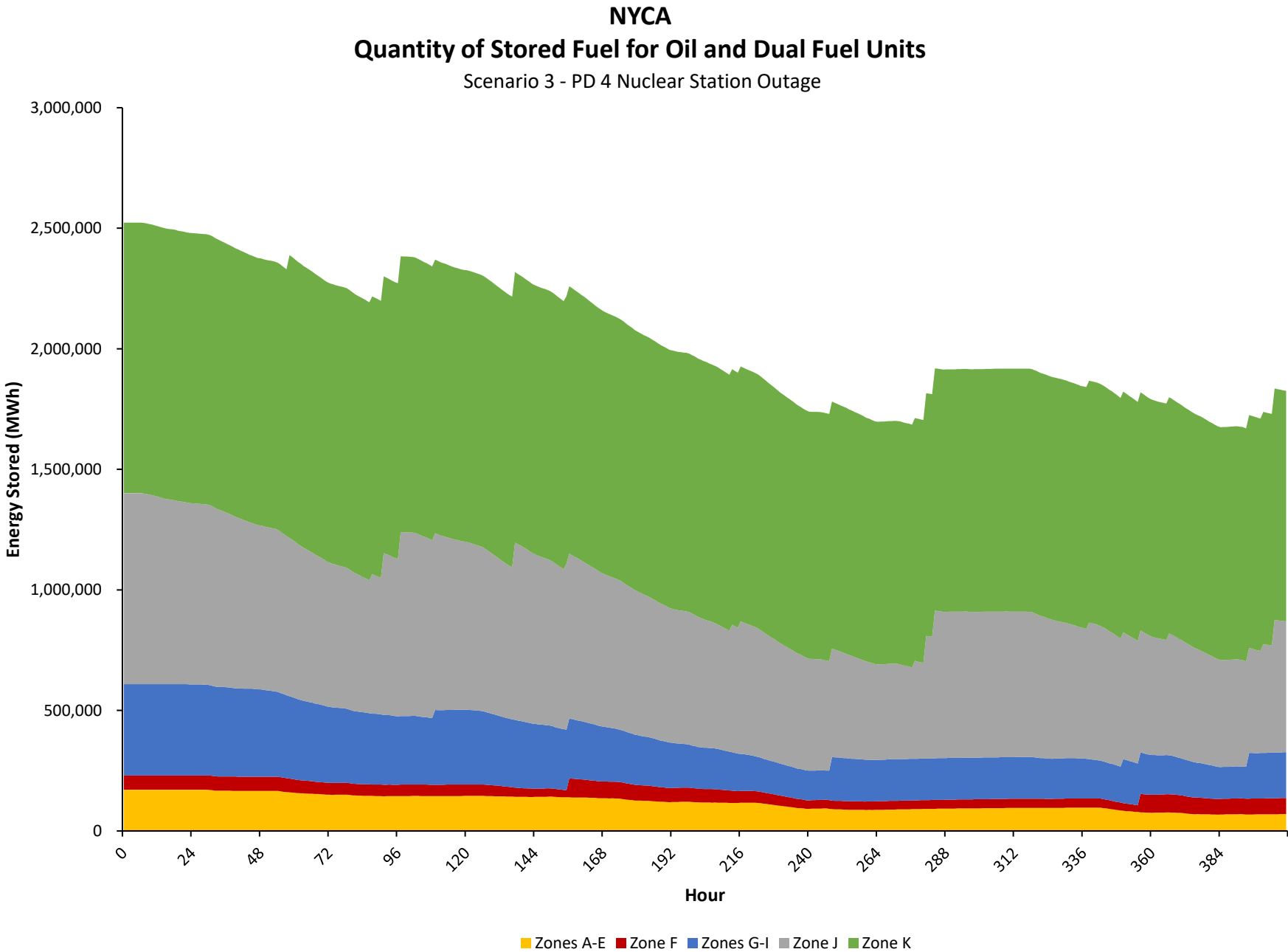


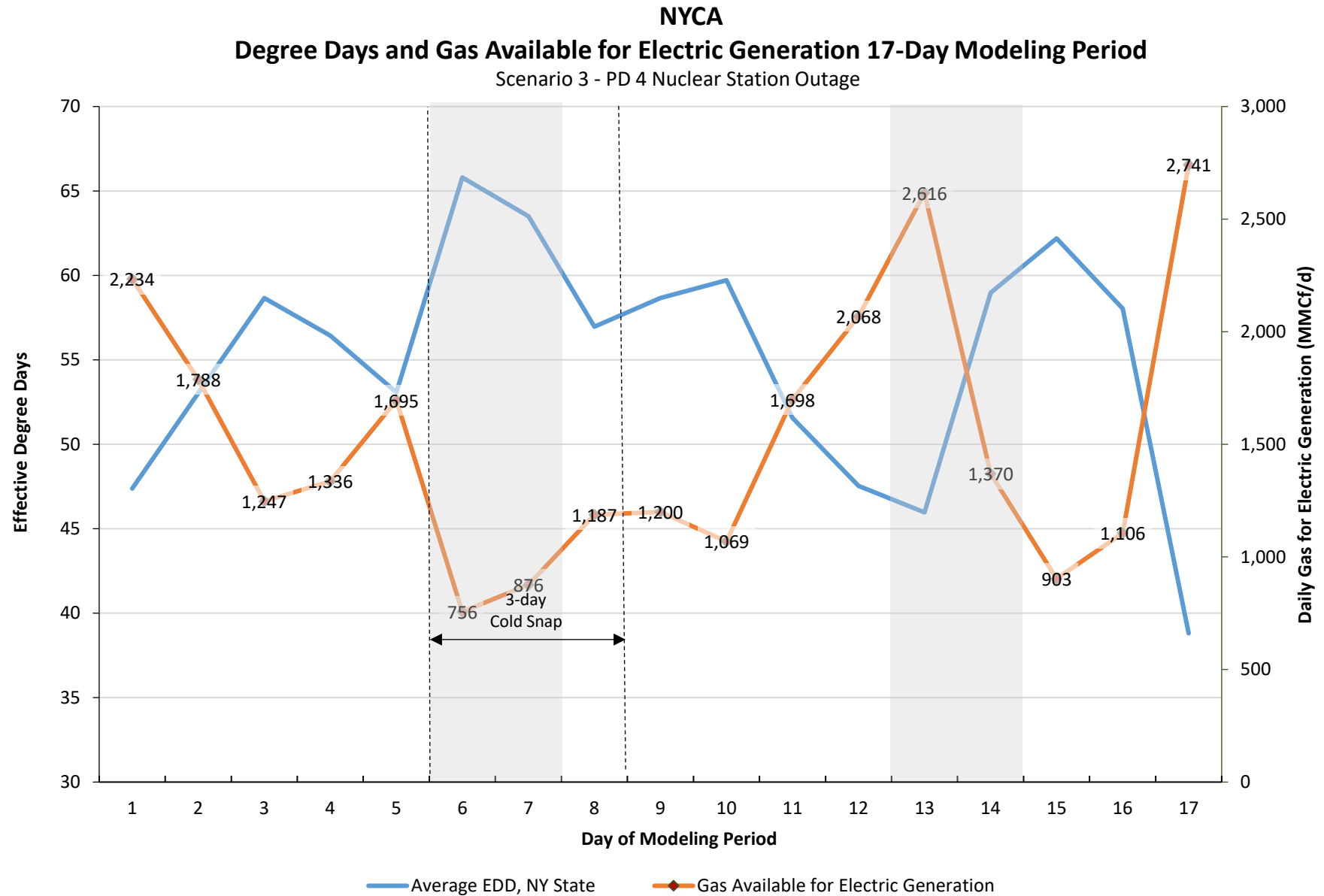




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 4 Nuclear Station Outage



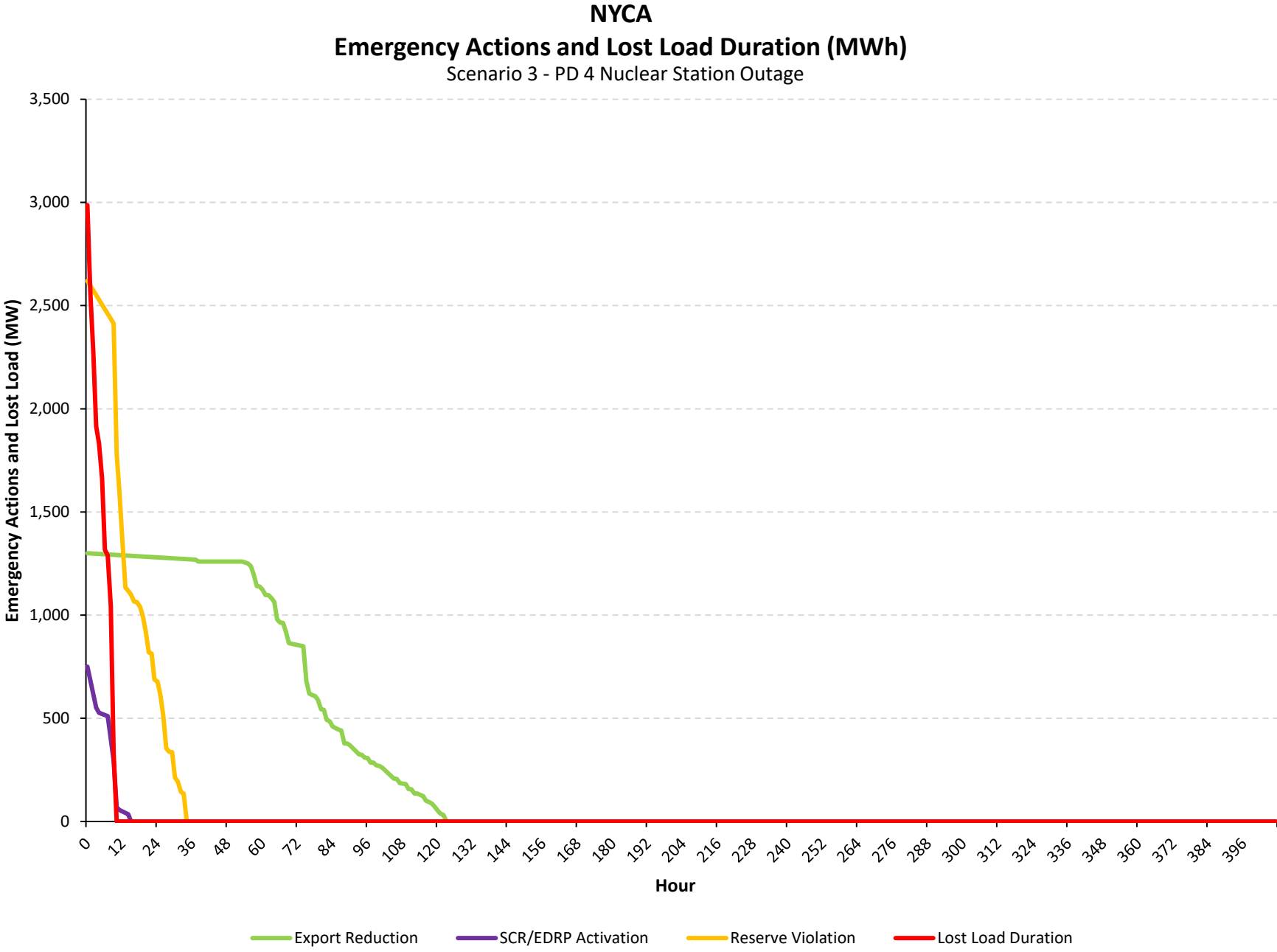


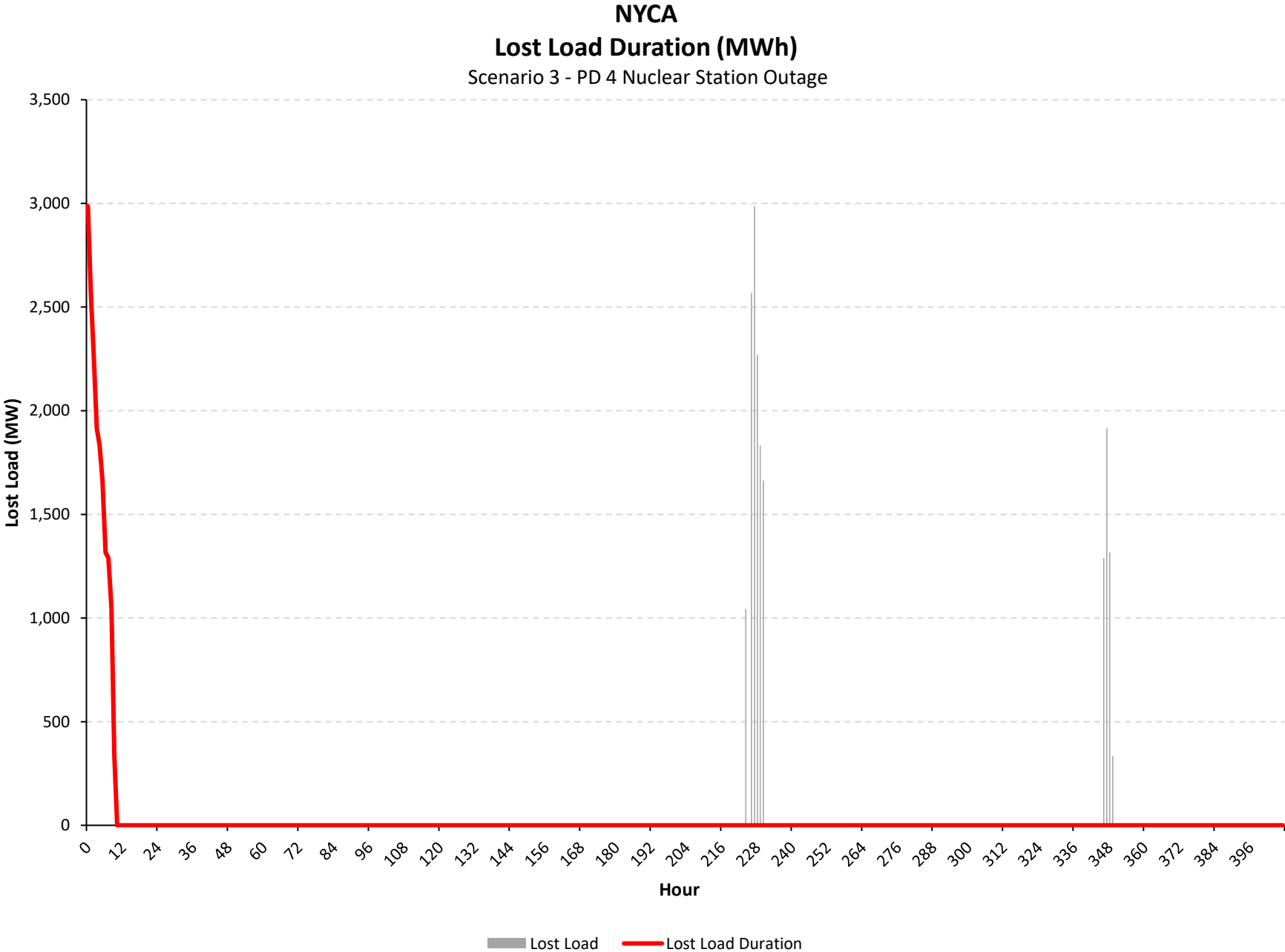


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





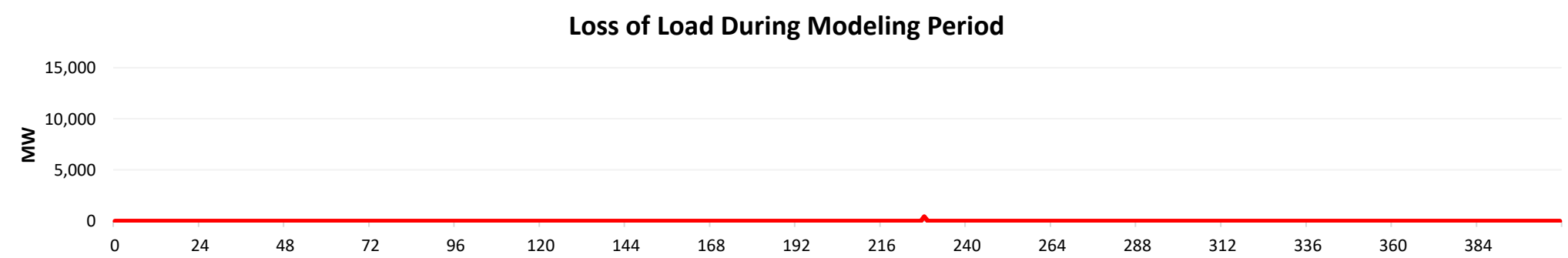
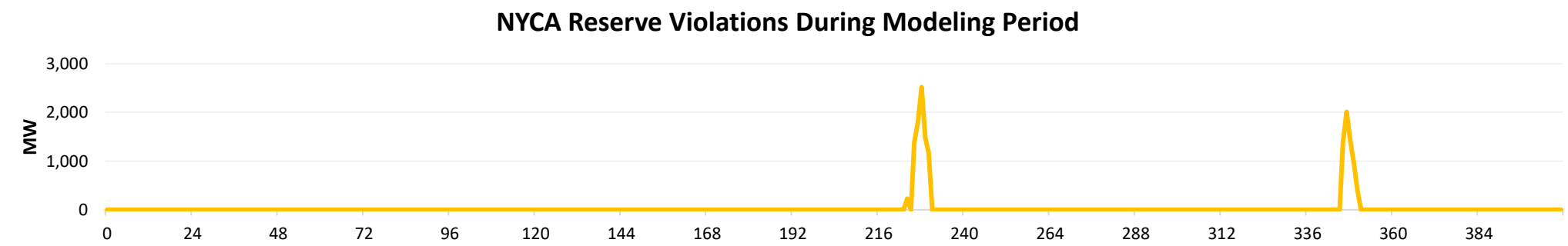
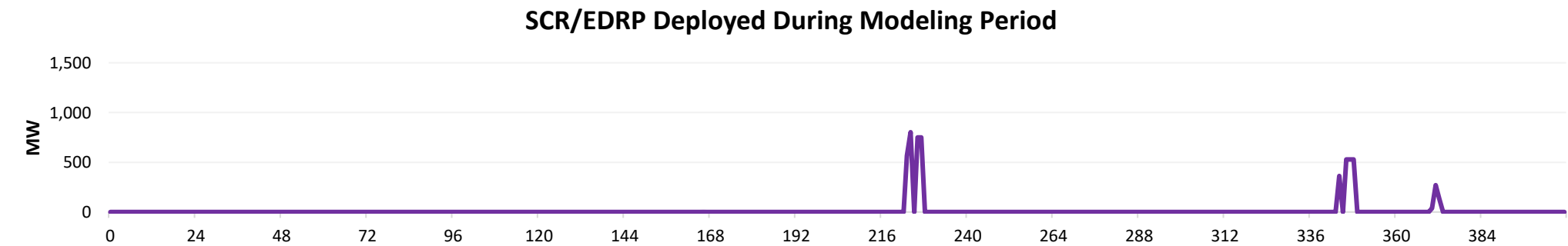
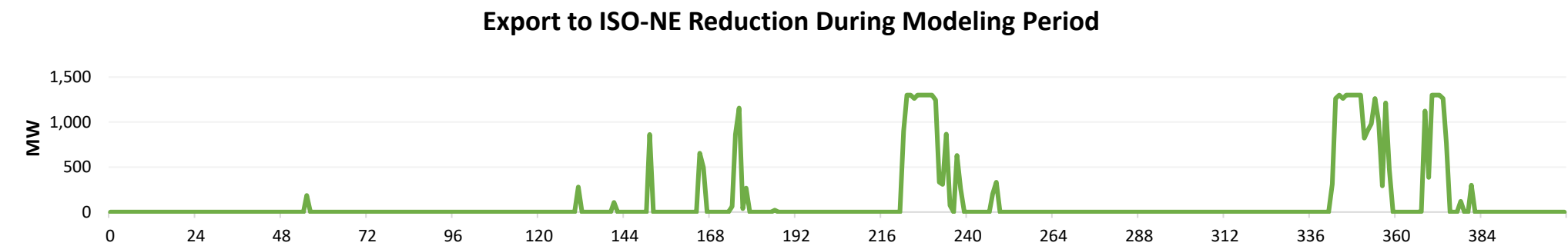
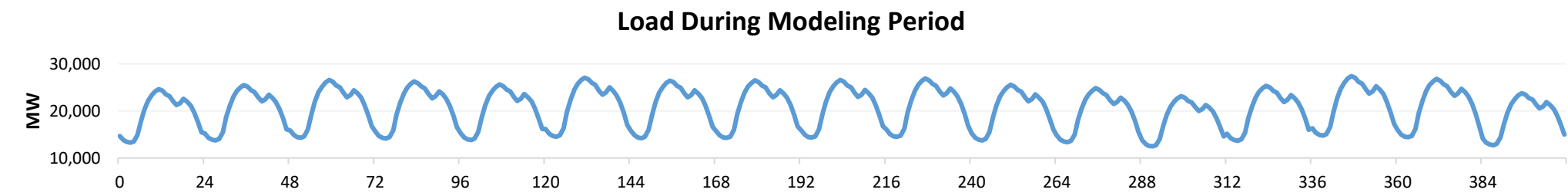


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 5 No Truck Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 57     |
| Total MWh         | 45,937 |
| Avg. MW           | 112.6  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 11    |
| Total MWh      | 5,246 |
| Avg. MW        | 12.9  |

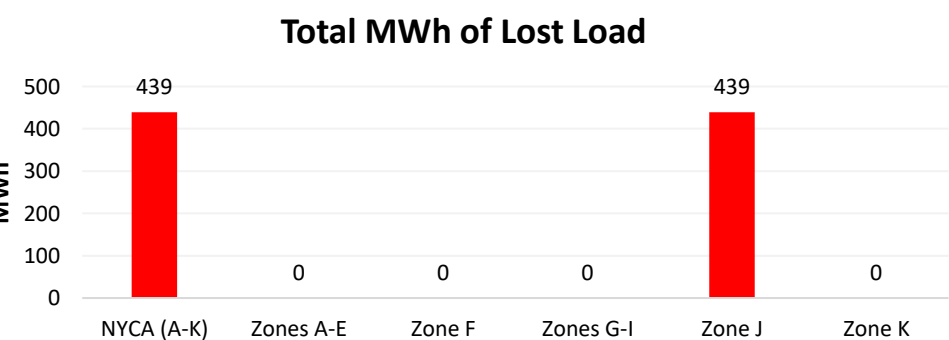
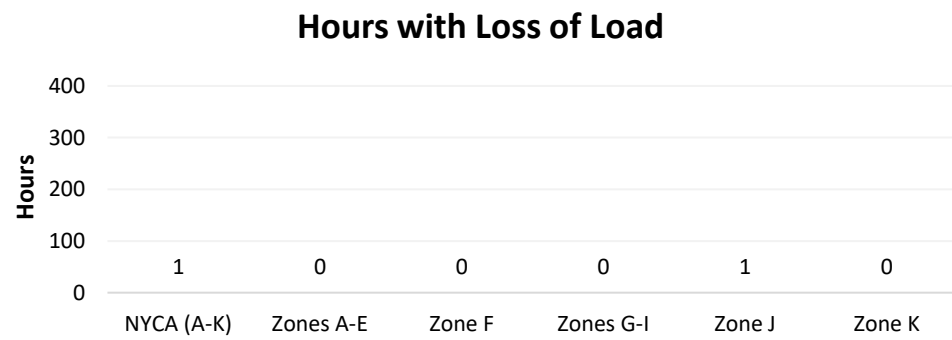
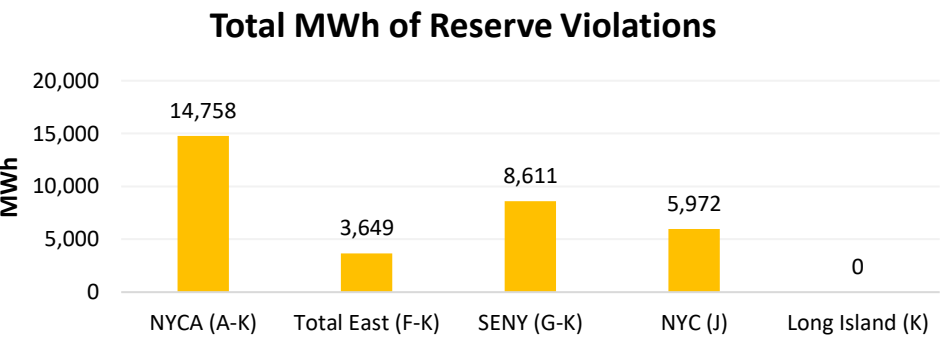
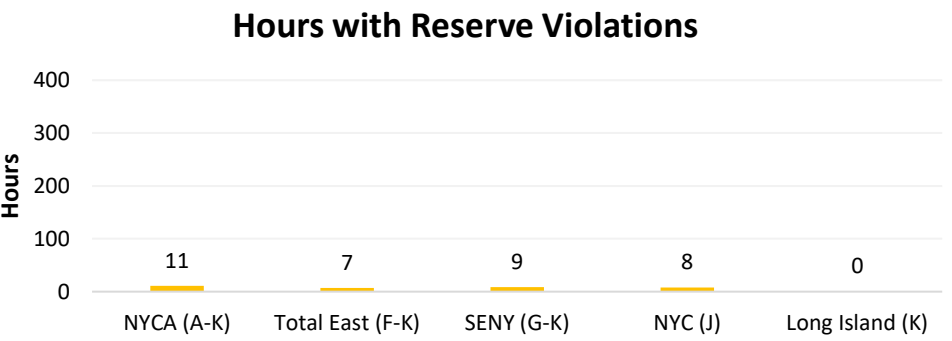
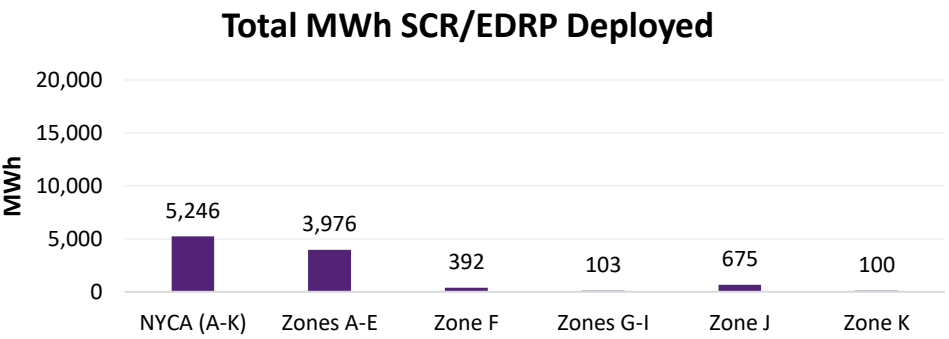
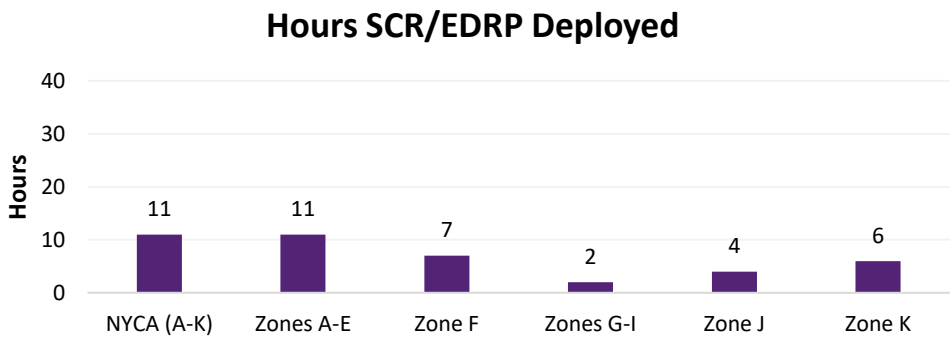
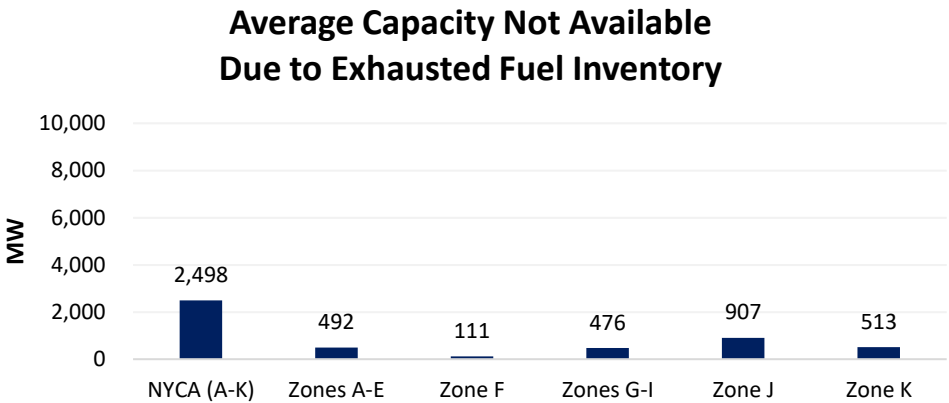
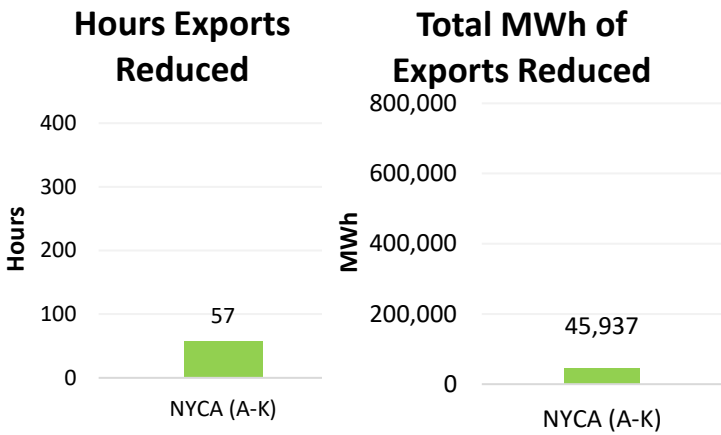
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 11     |
| Total MWh             | 14,758 |
| Avg. MW               | 36.2   |
| First Hour with Viol. | 224    |

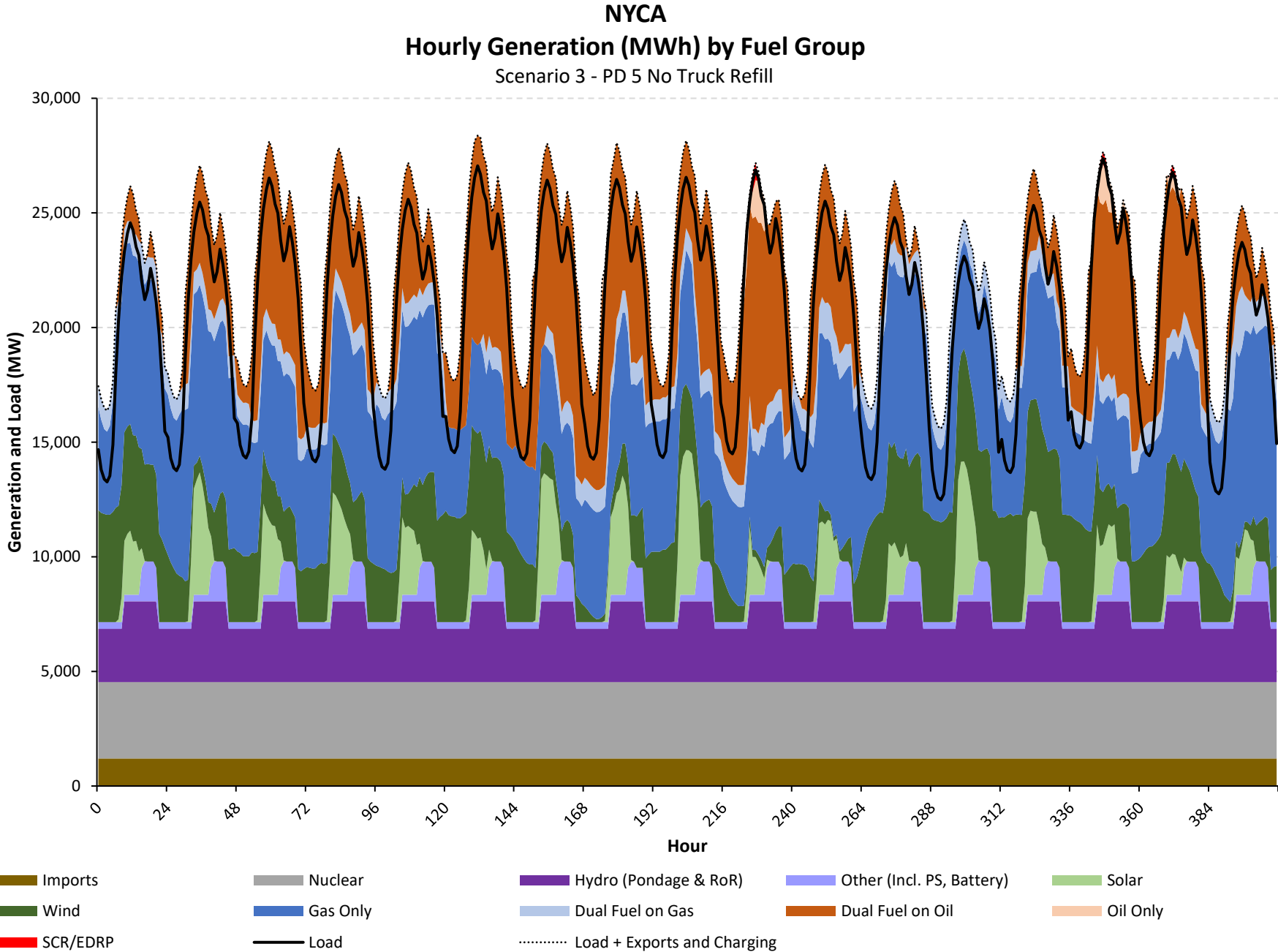
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 1   |
| Total MWh              | 439 |
| Avg. MW                | 1.1 |
| First Hour with Losses | 228 |

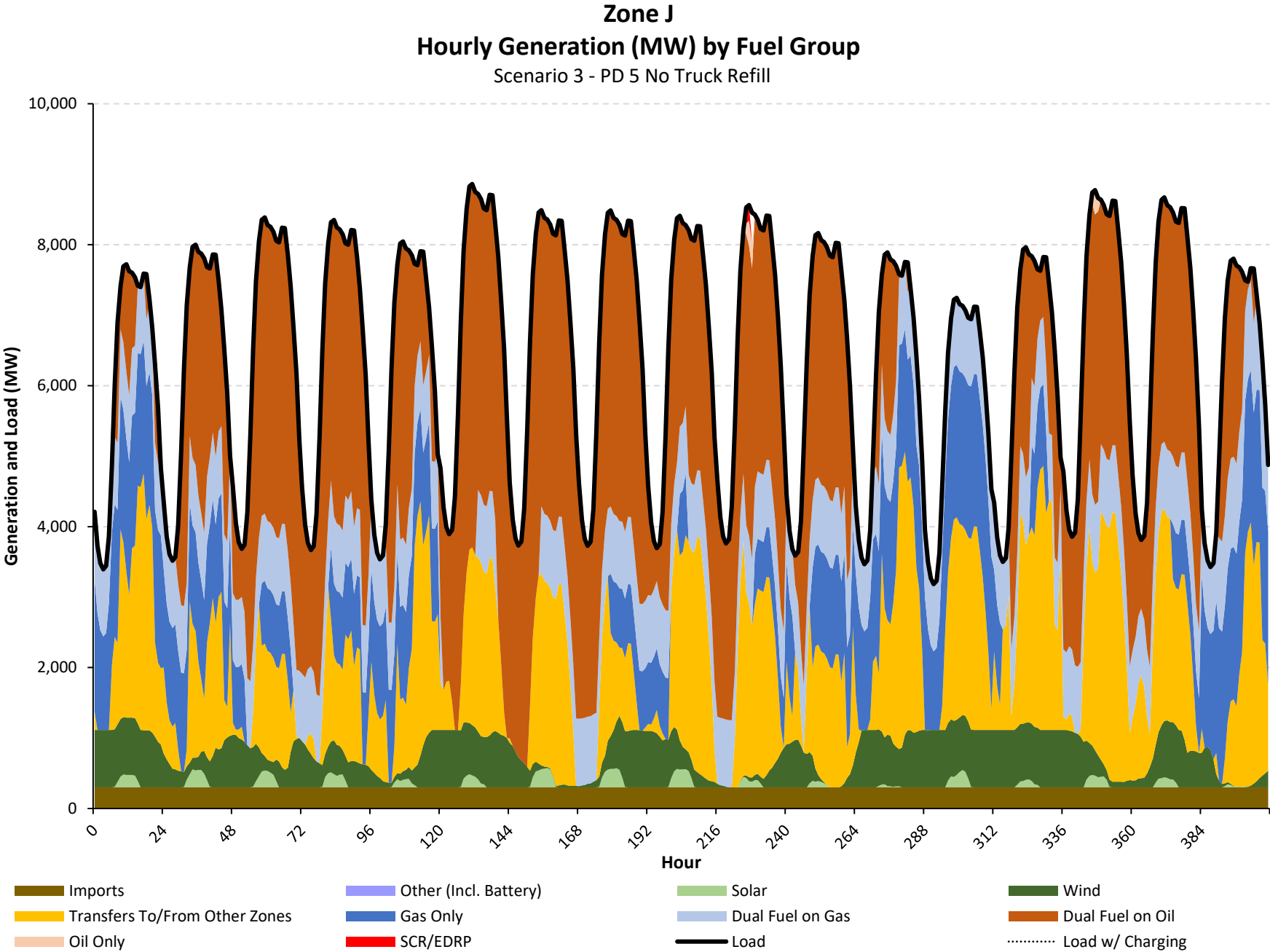
Full Period Results Summary

Case Name: Scenario 3 - PD 5 No Truck Refill

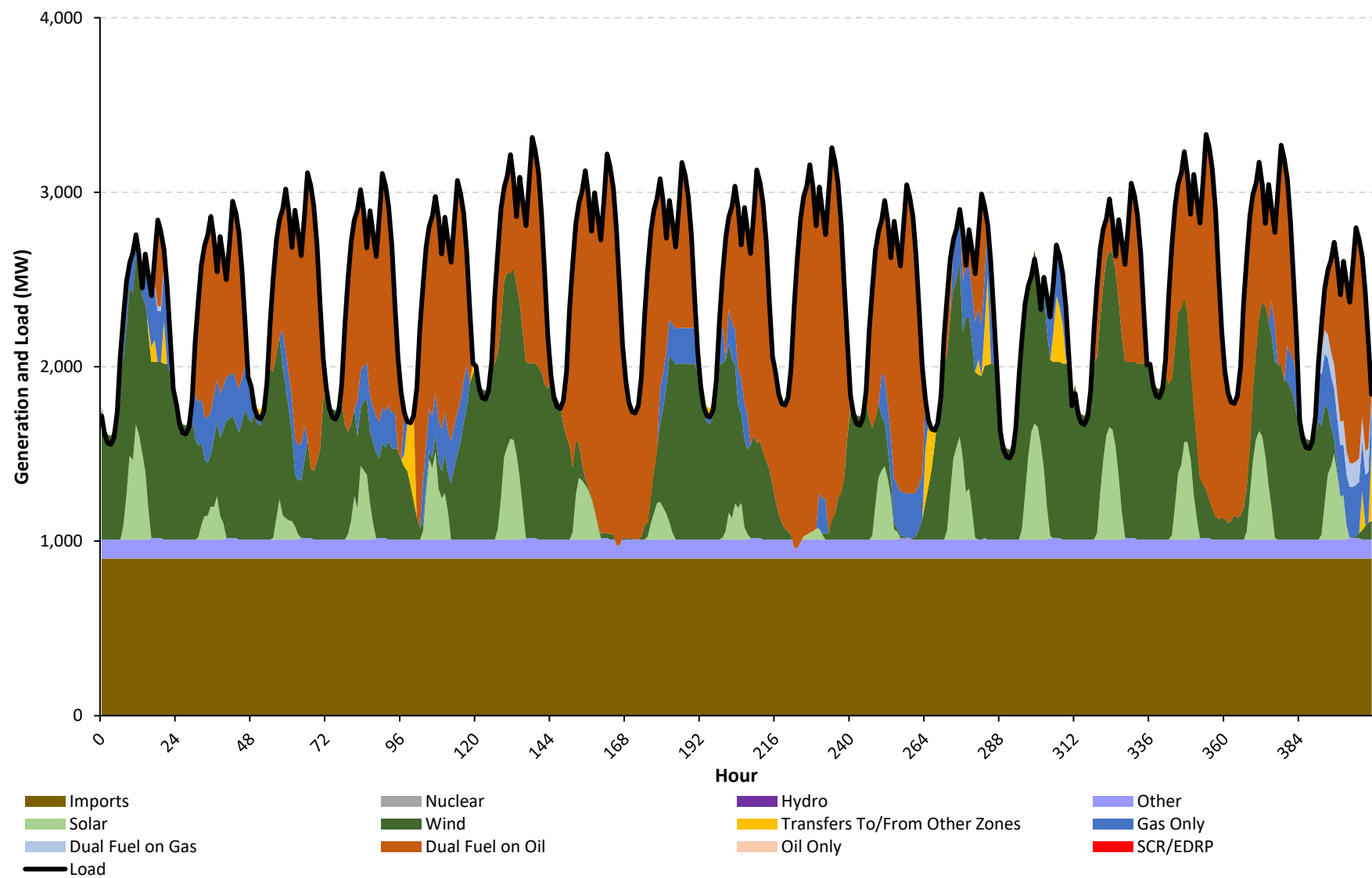
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |





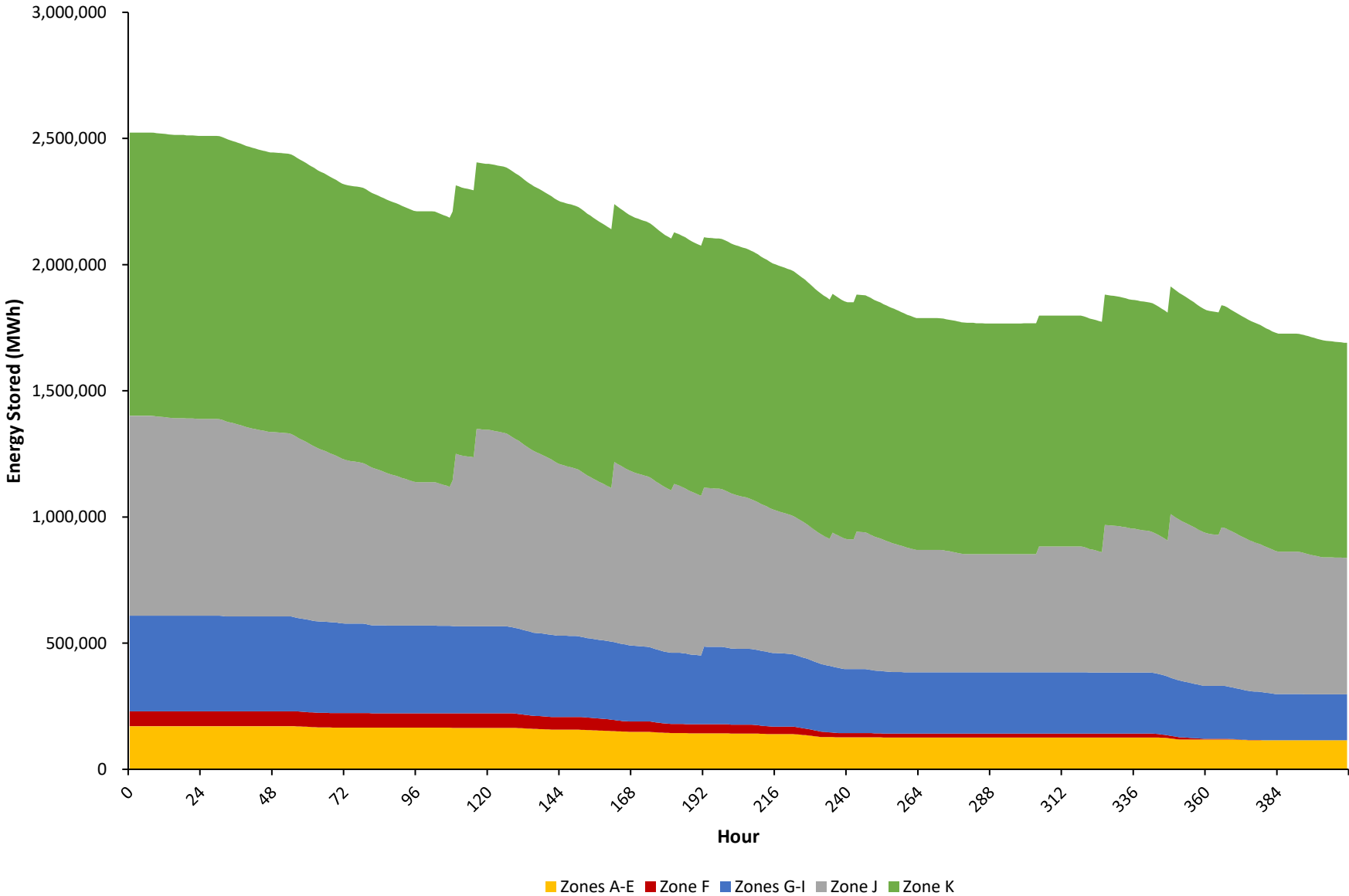


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 5 No Truck Refill



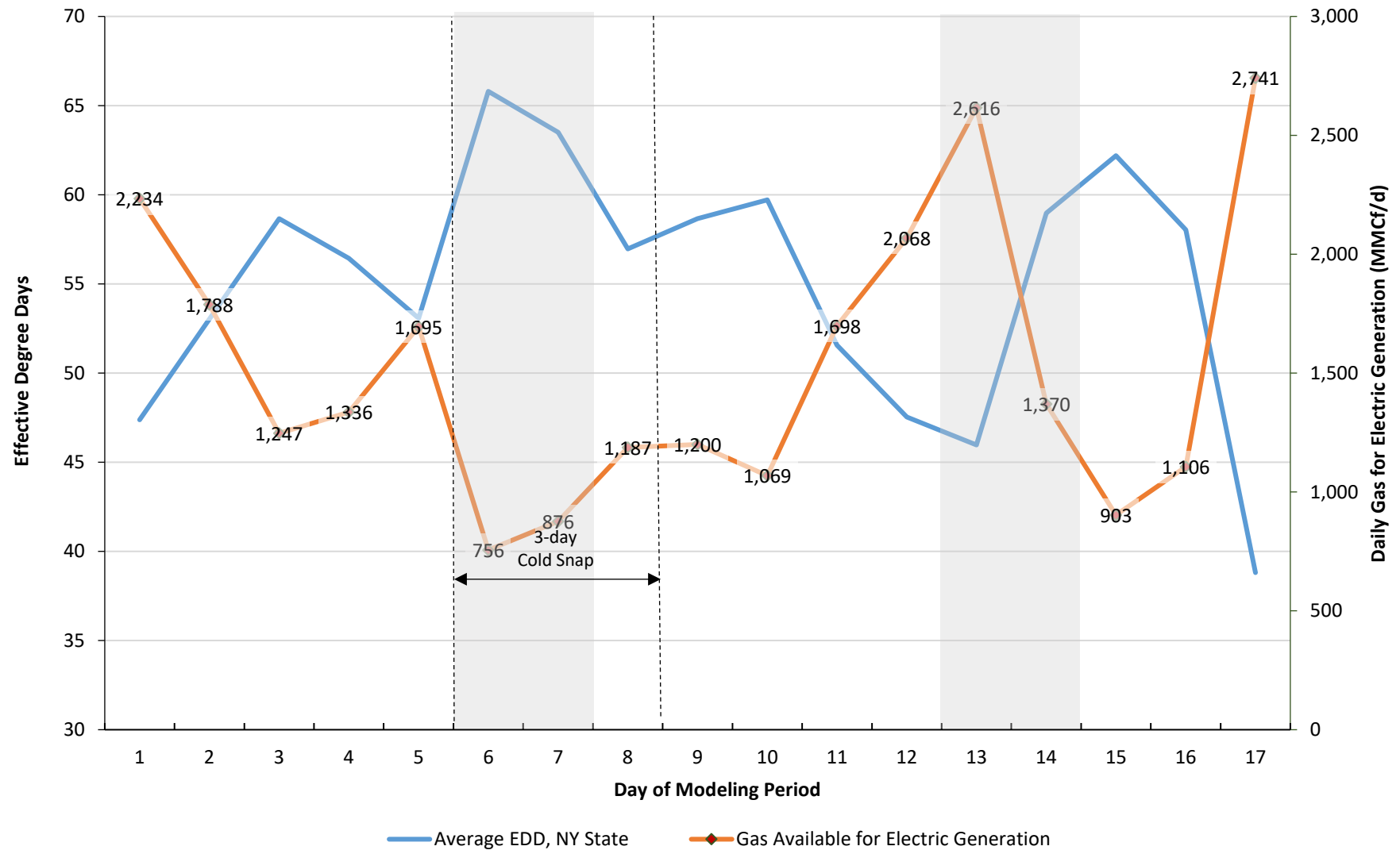


**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 3 - PD 5 No Truck Refill



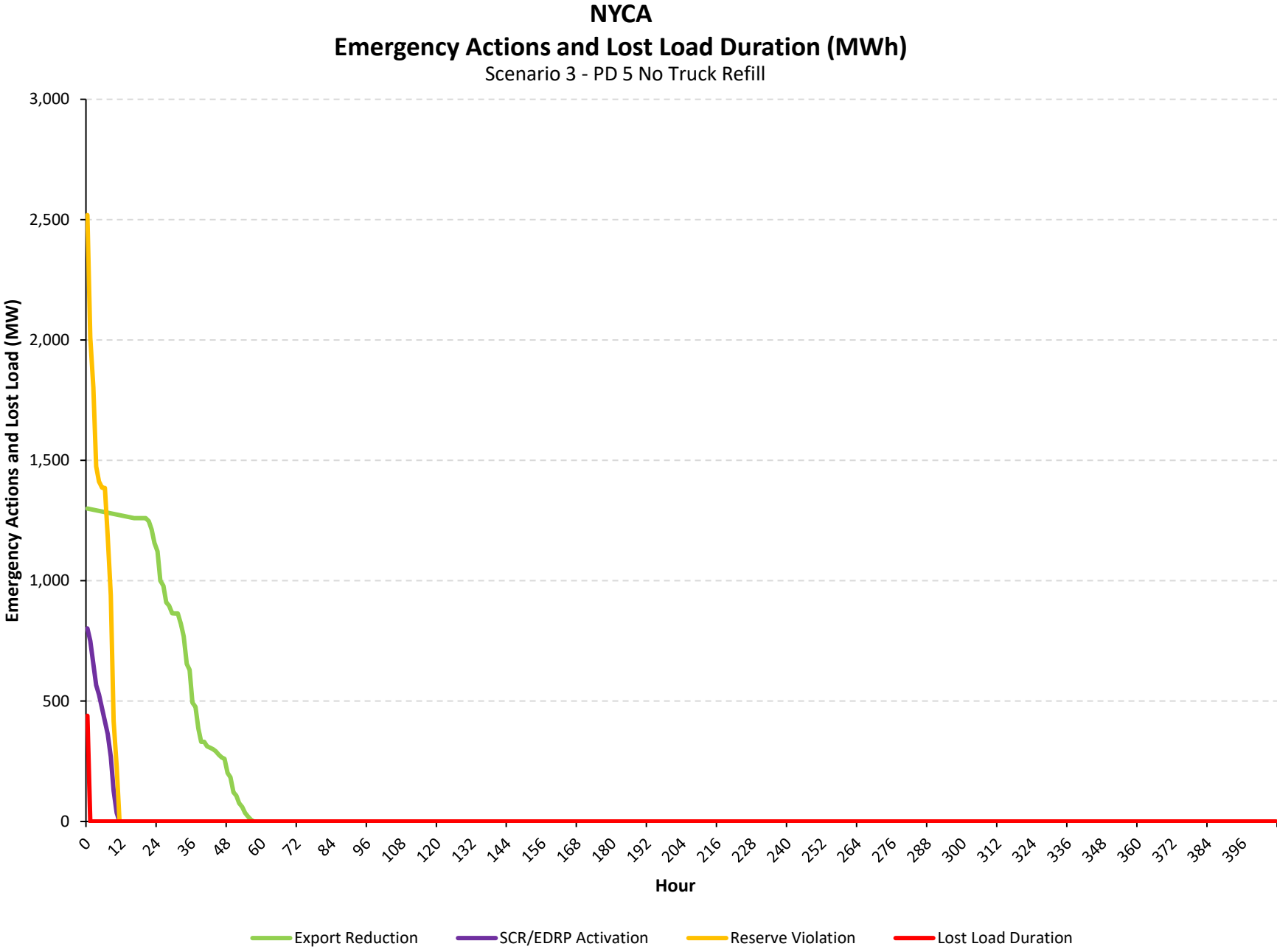
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

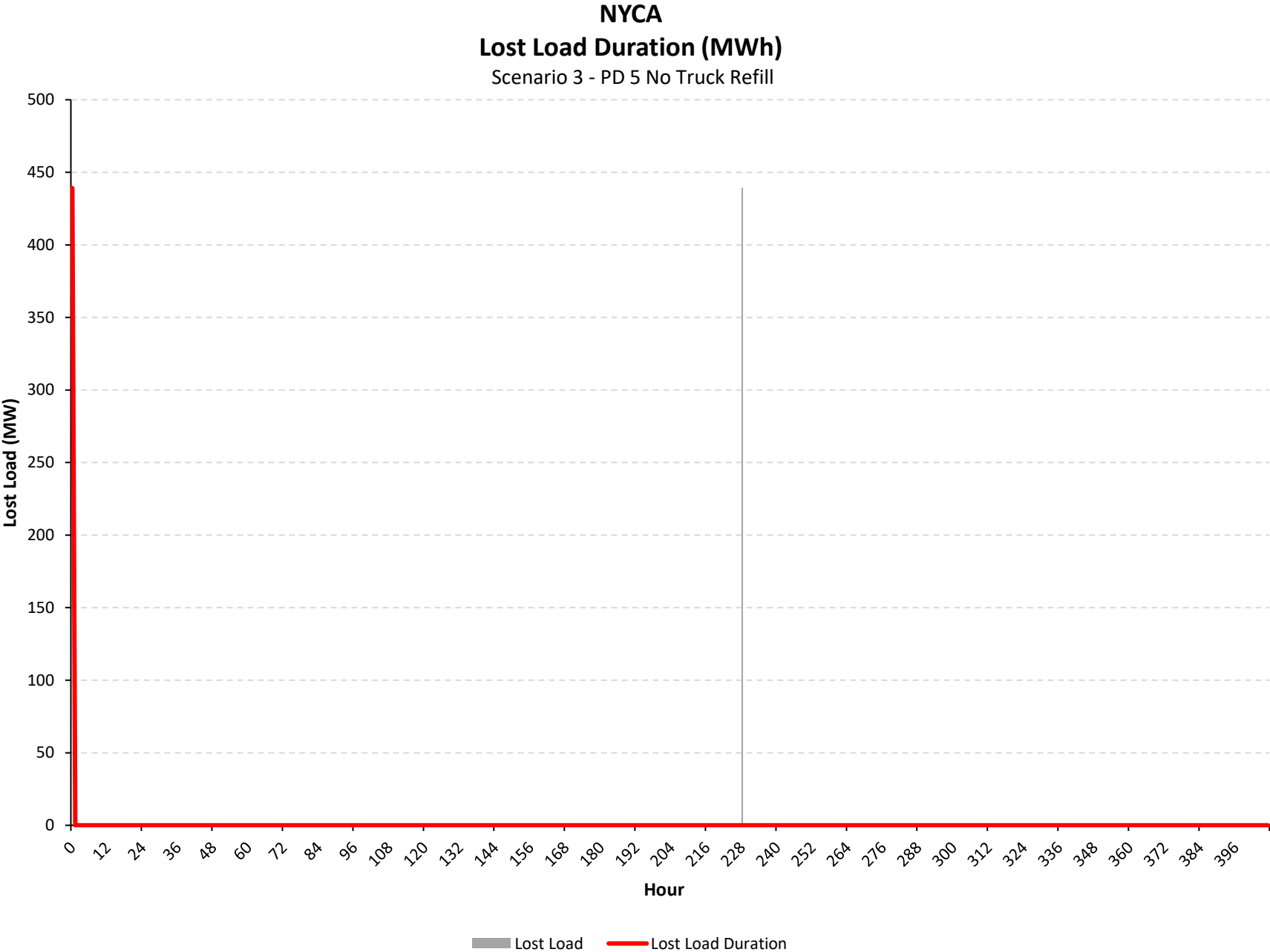
Scenario 3 - PD 5 No Truck Refill



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



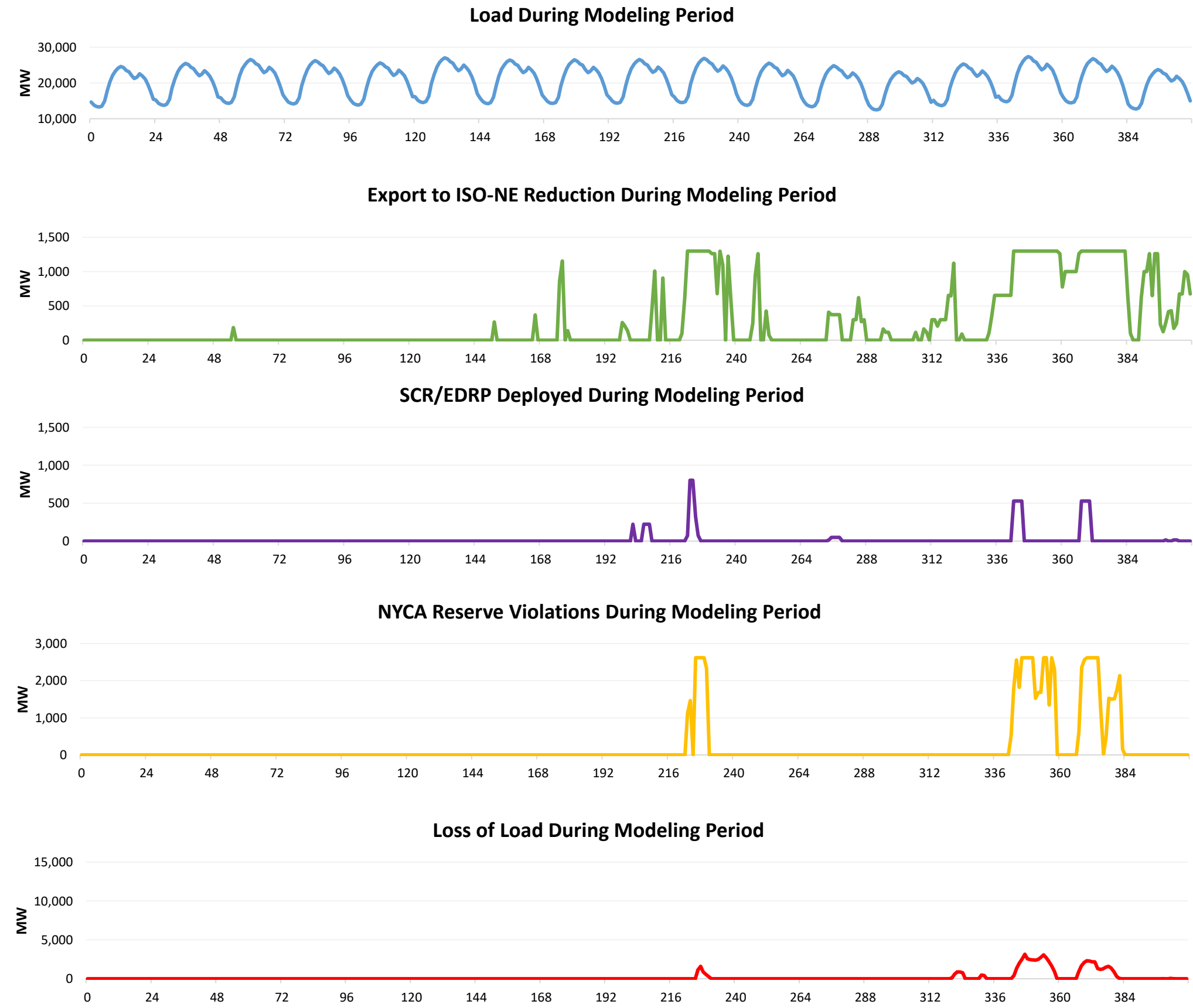


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 6 No Barge Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Barge  |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 134     |
| Total MWh         | 108,619 |
| Avg. MW           | 266.2   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 25    |
| Total MWh      | 7,438 |
| Avg. MW        | 18.2  |

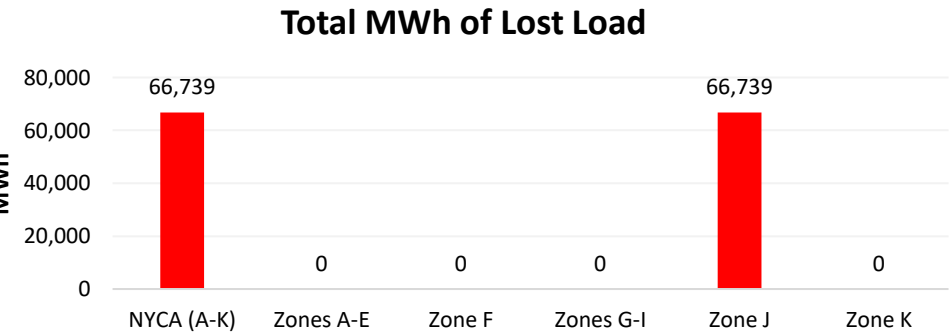
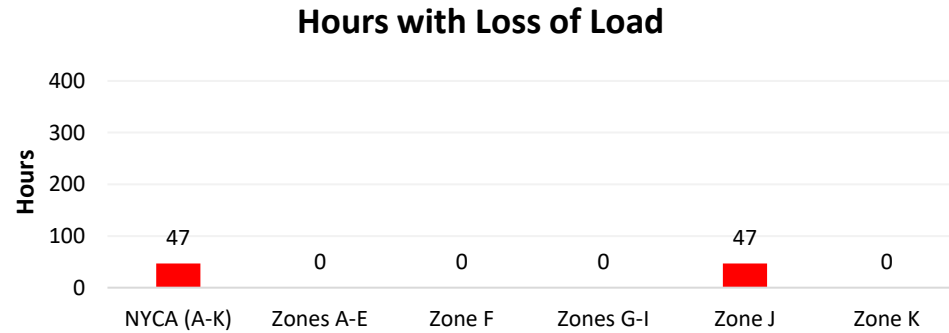
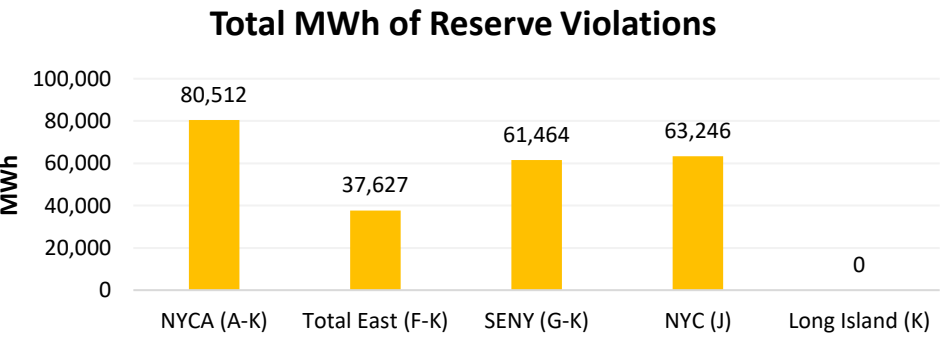
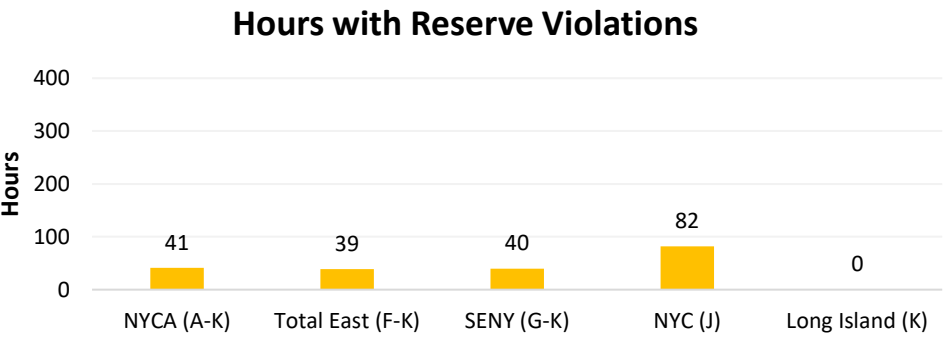
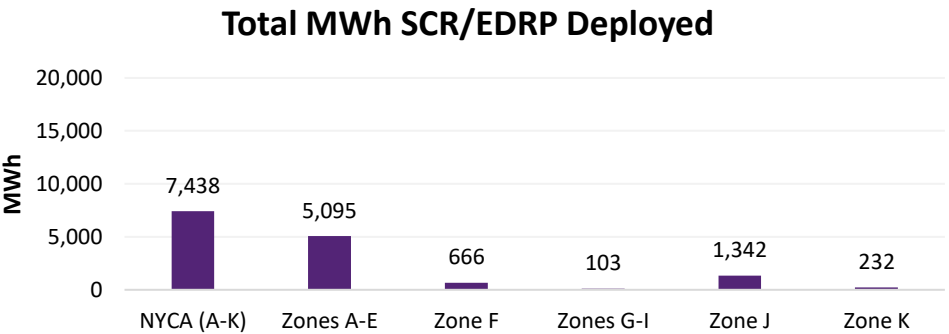
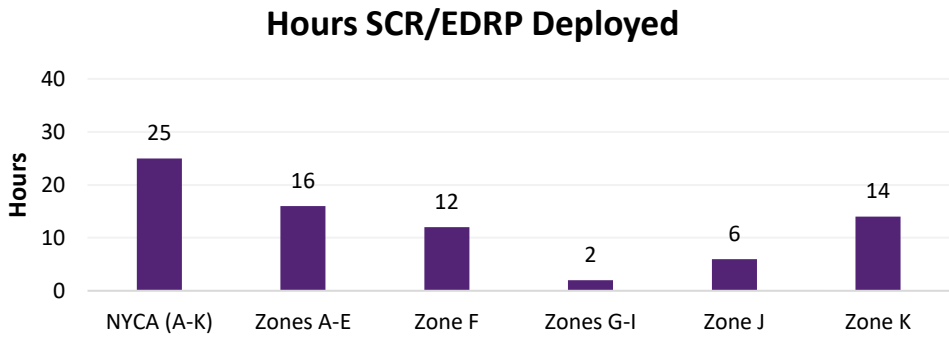
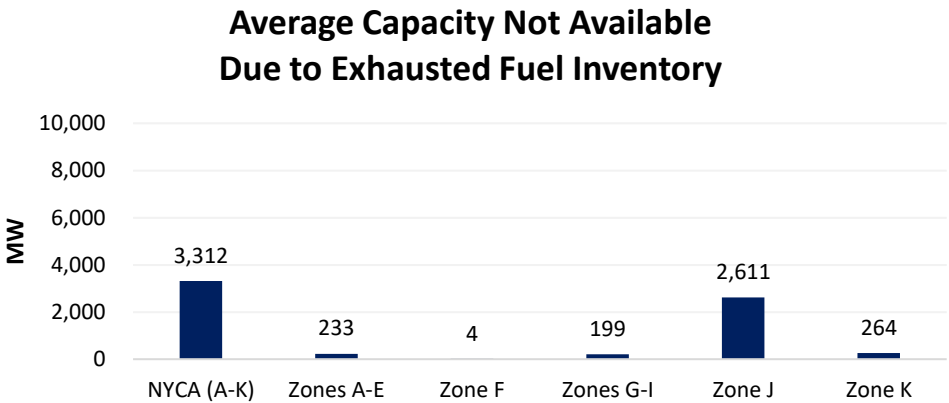
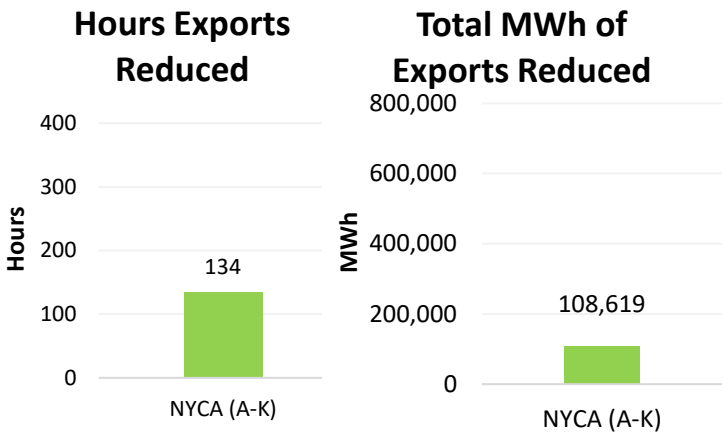
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 41     |
| Total MWh             | 80,512 |
| Avg. MW               | 197.3  |
| First Hour with Viol. | 202    |

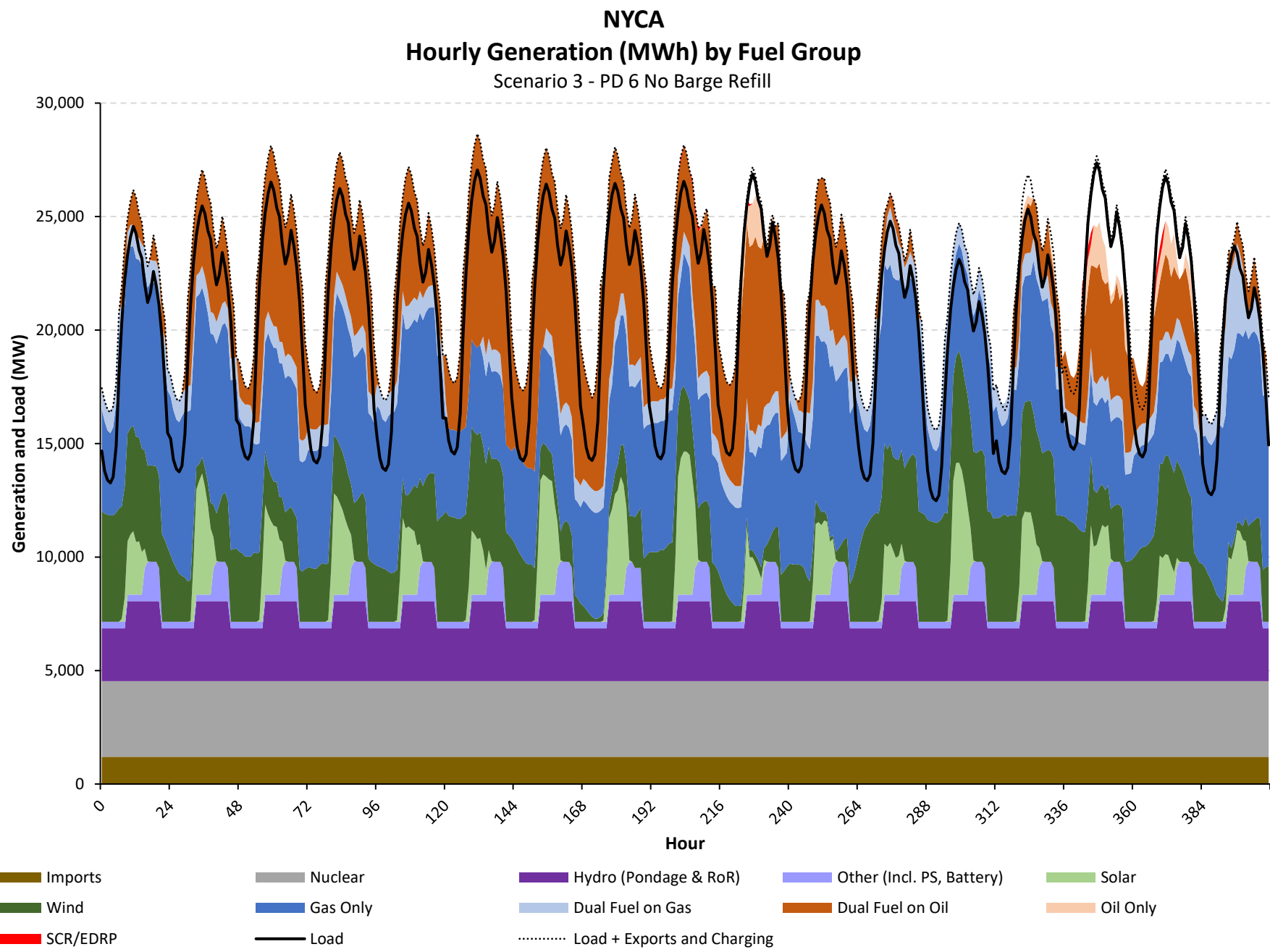
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 47     |
| Total MWh              | 66,739 |
| Avg. MW                | 163.6  |
| First Hour with Losses | 226    |

Full Period Results Summary

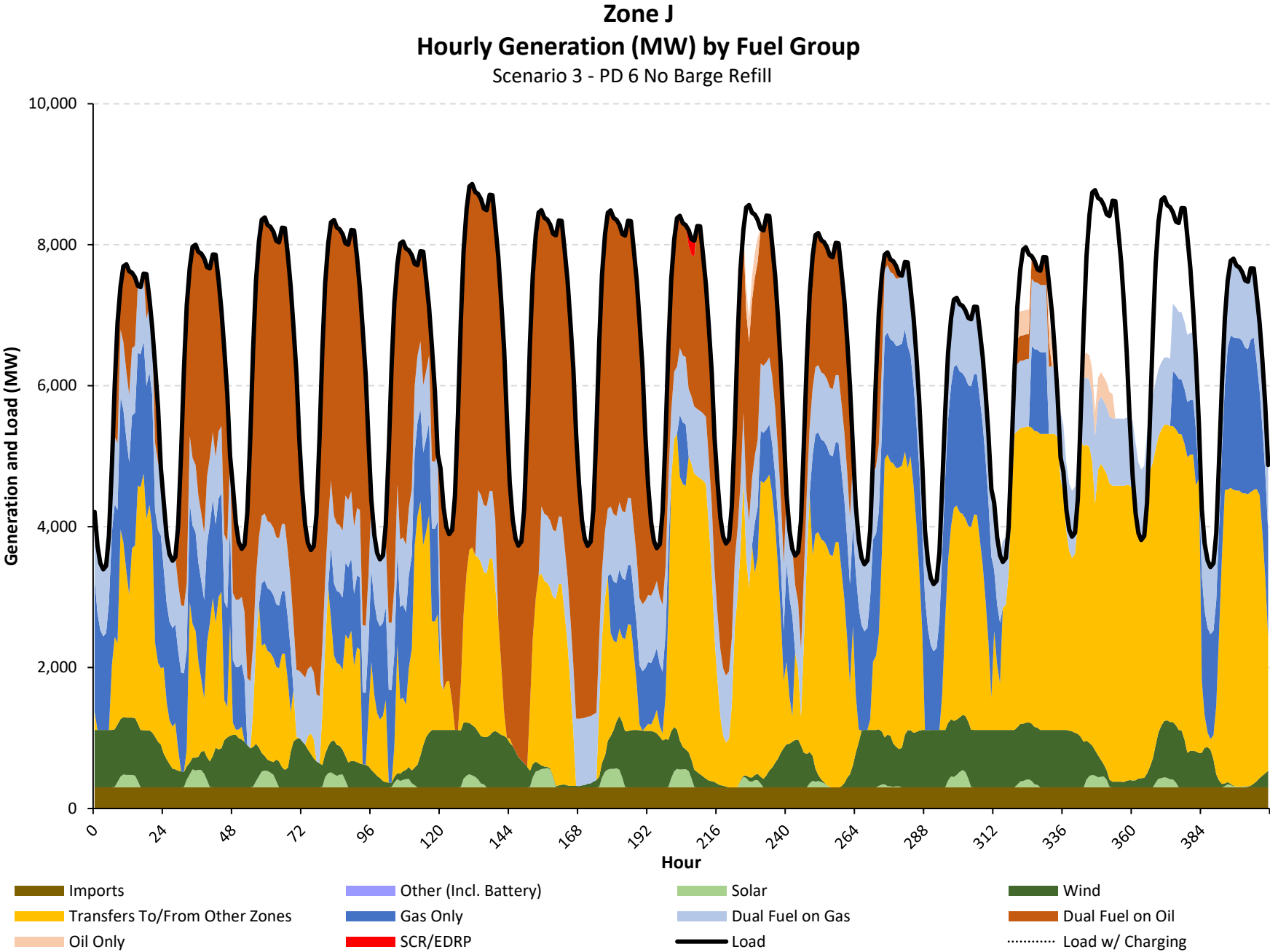
Case Name: Scenario 3 - PD 6 No Barge Refill

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Barge  |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

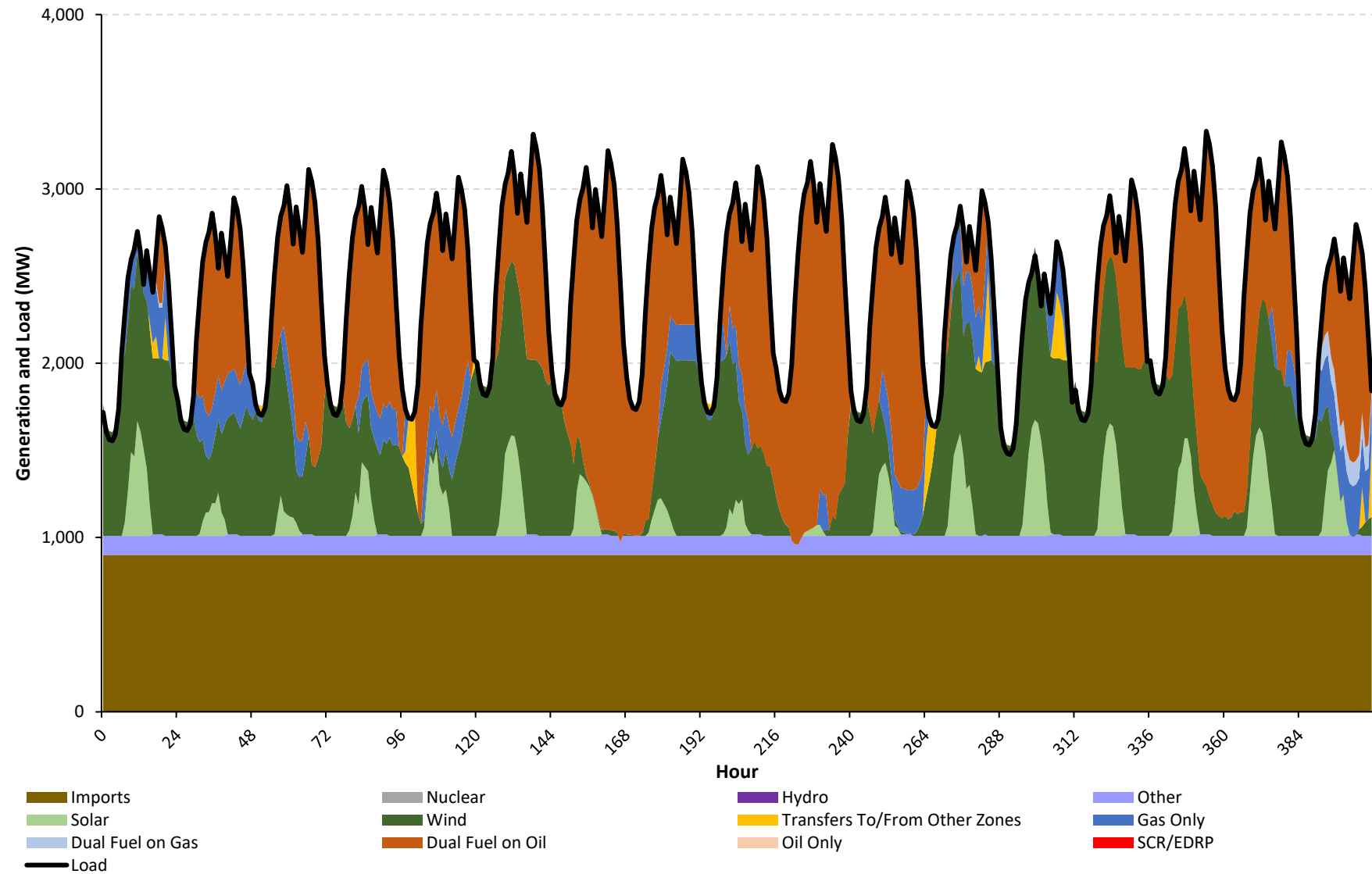




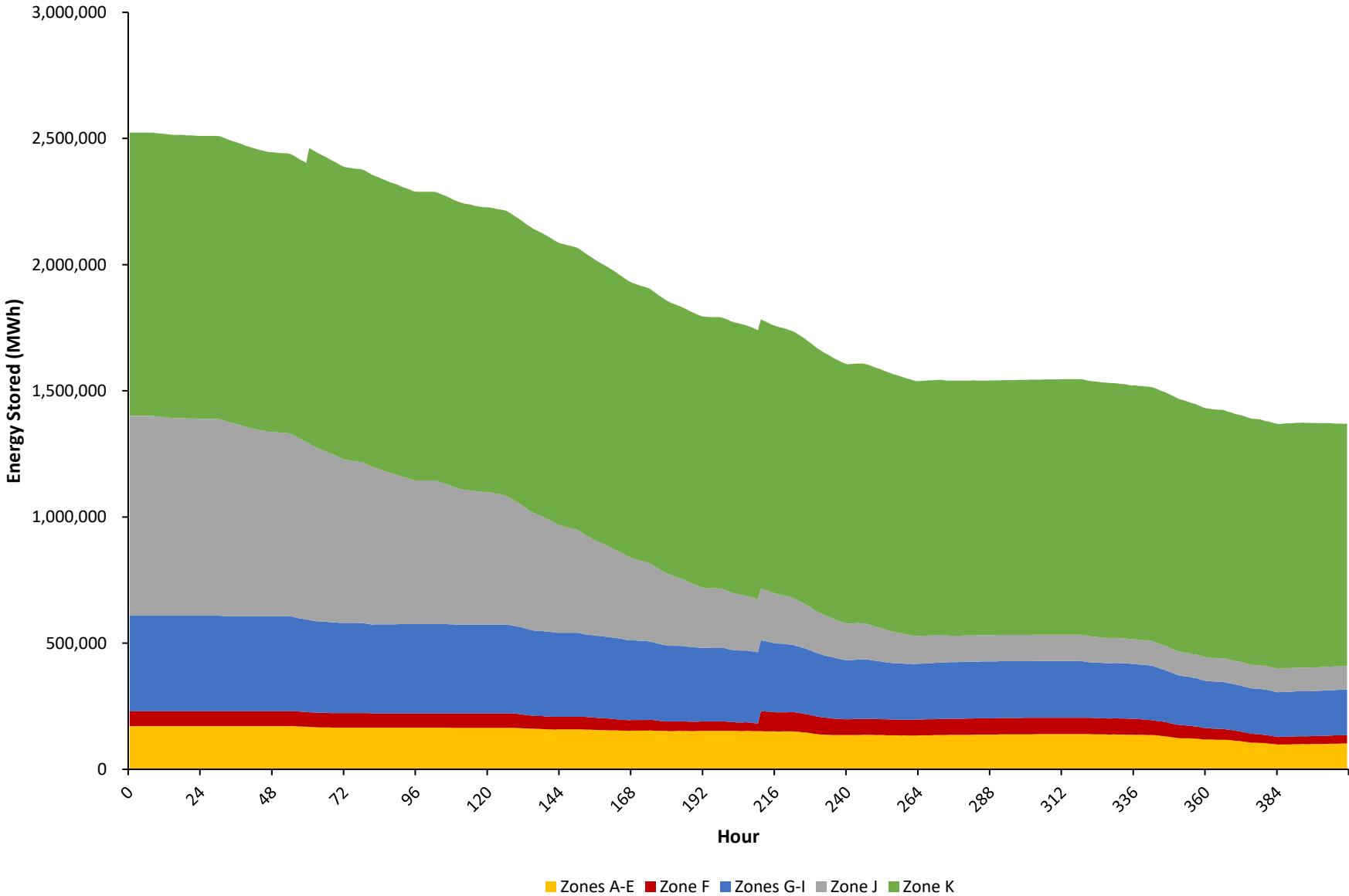


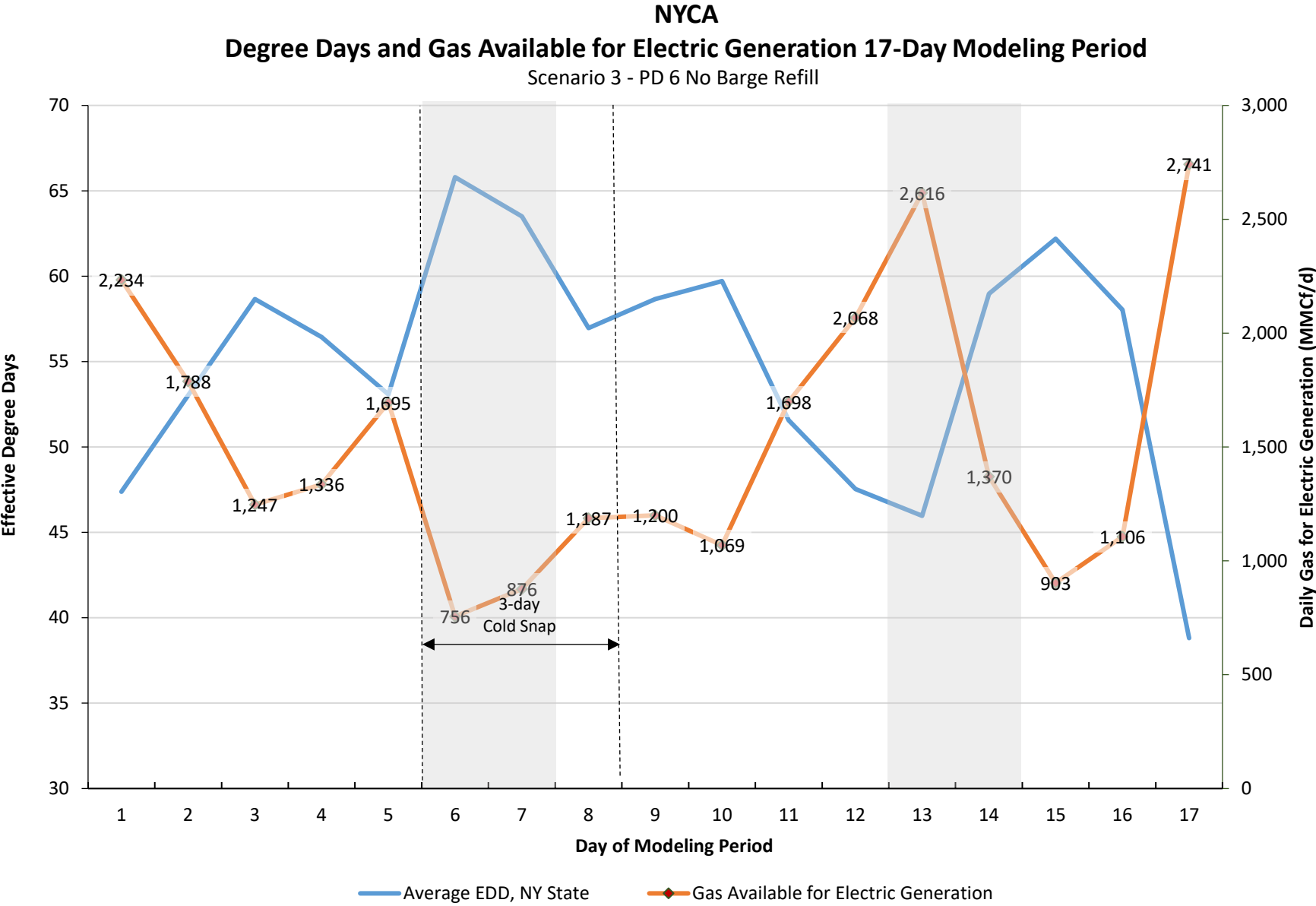


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 6 No Barge Refill



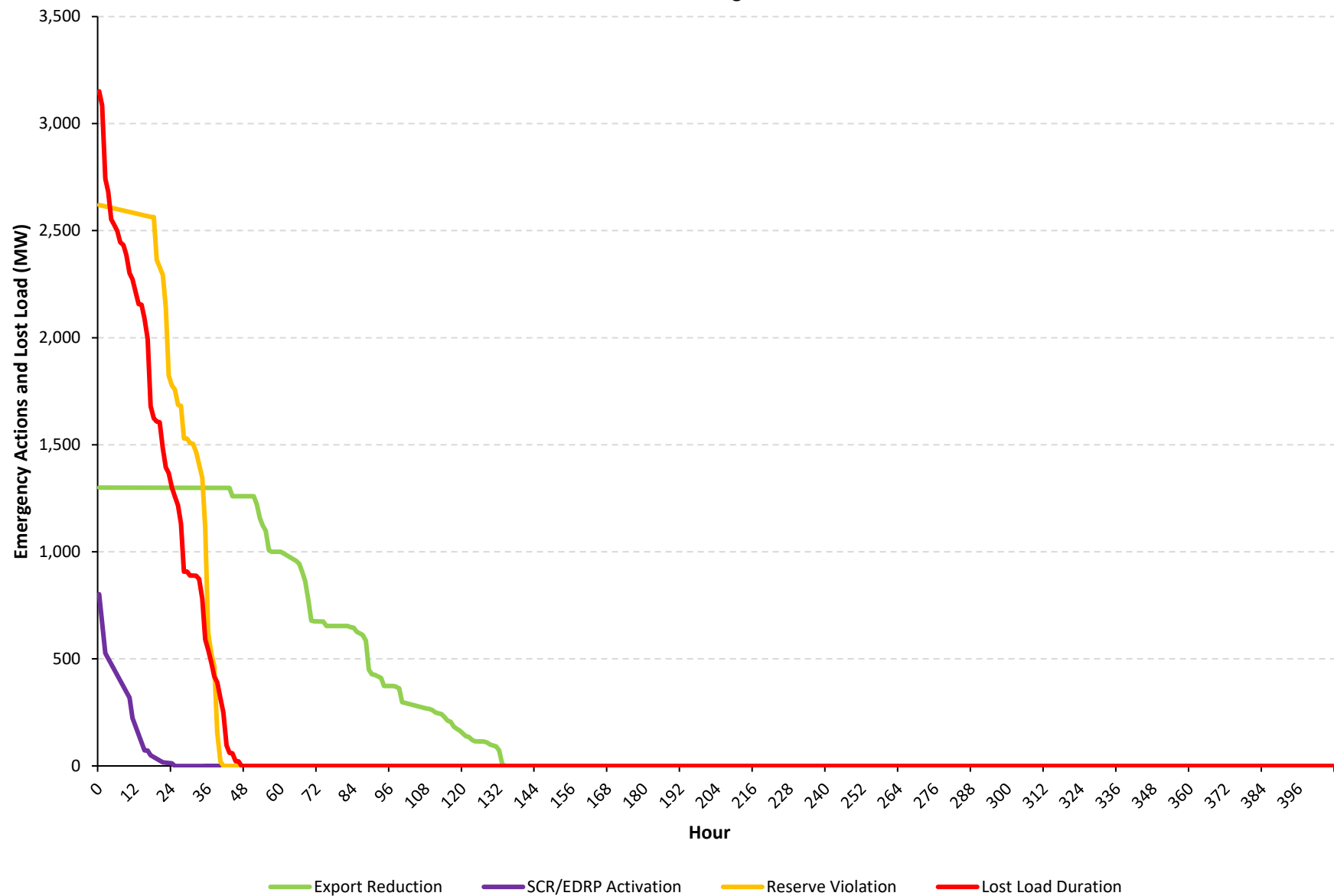
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 3 - PD 6 No Barge Refill

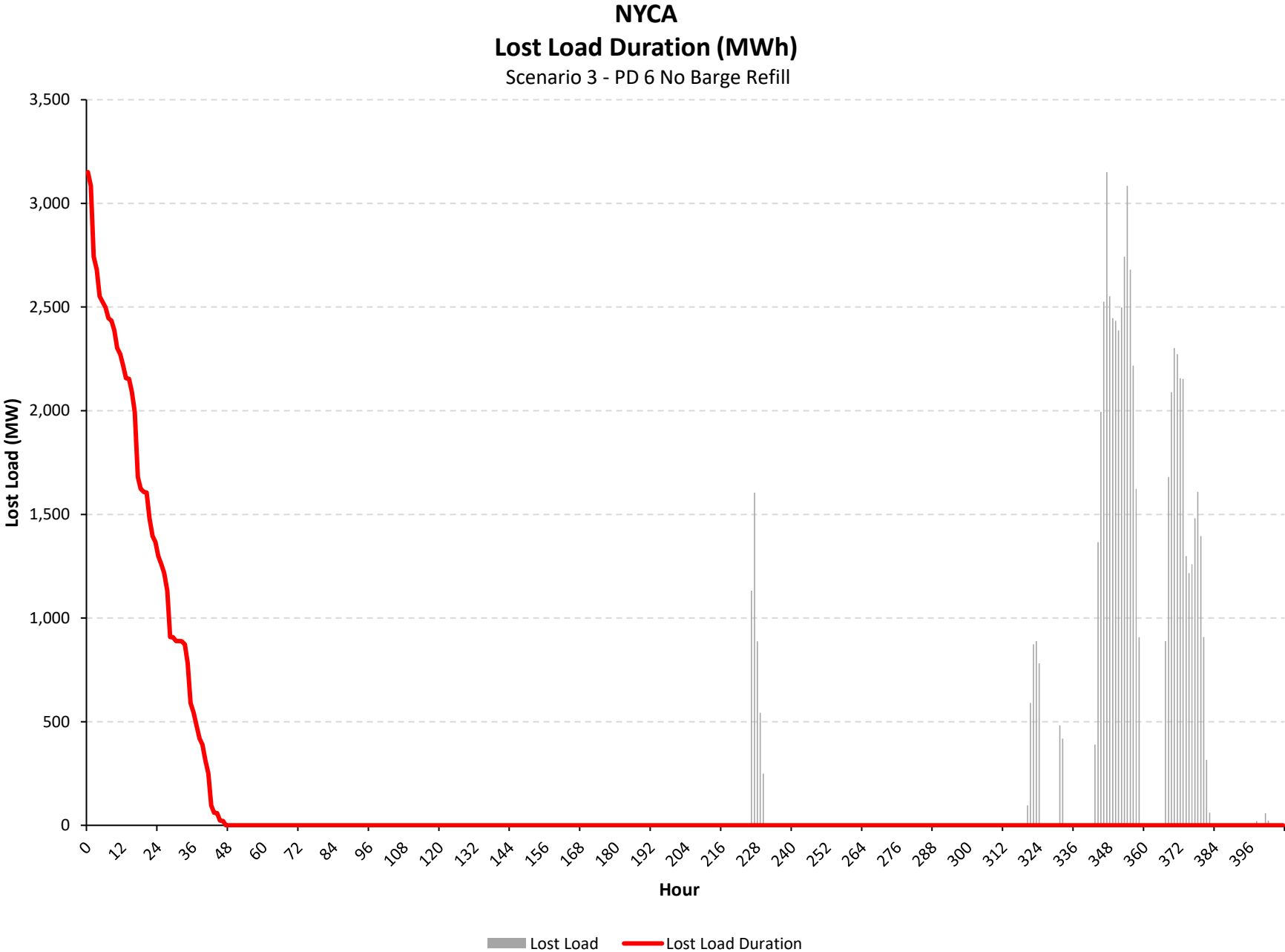




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.

NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 3 - PD 6 No Barge Refill



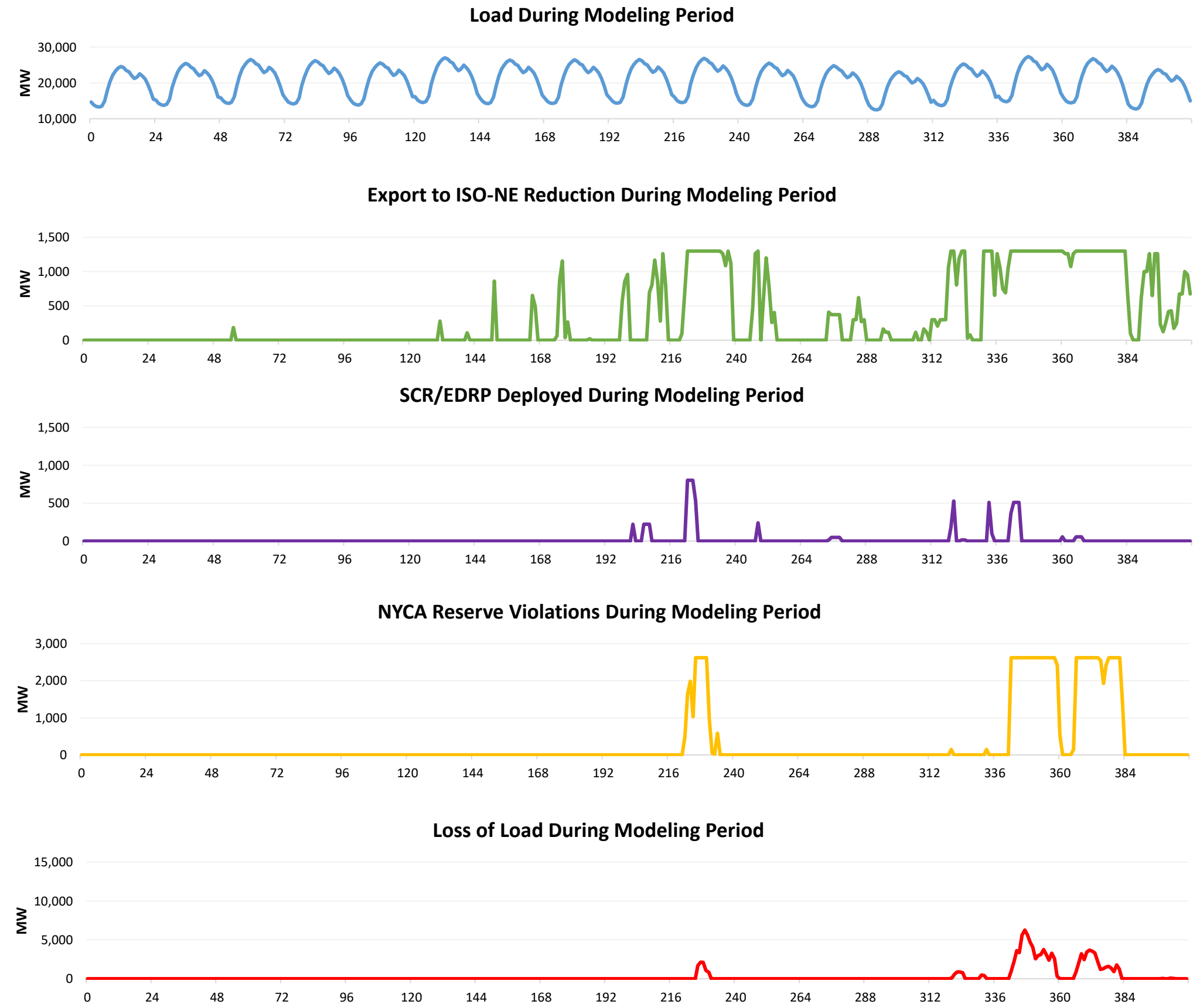


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 7 No Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 154     |
| Total MWh         | 136,422 |
| Avg. MW           | 334.4   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 28    |
| Total MWh      | 7,748 |
| Avg. MW        | 19.0  |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 53      |
| Total MWh             | 112,735 |
| Avg. MW               | 276.3   |
| First Hour with Viol. | 202     |

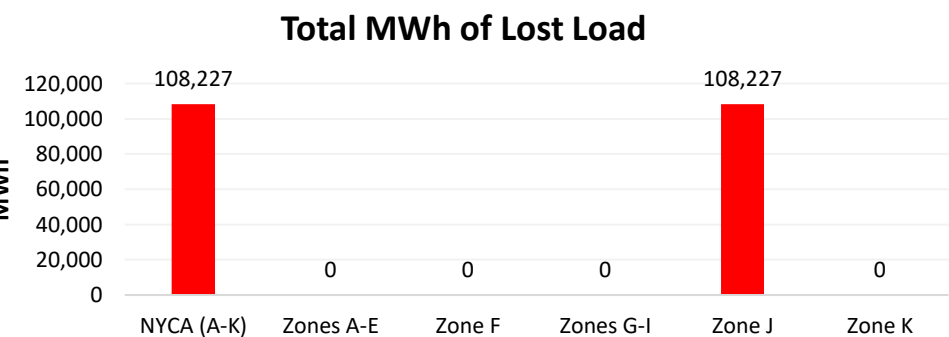
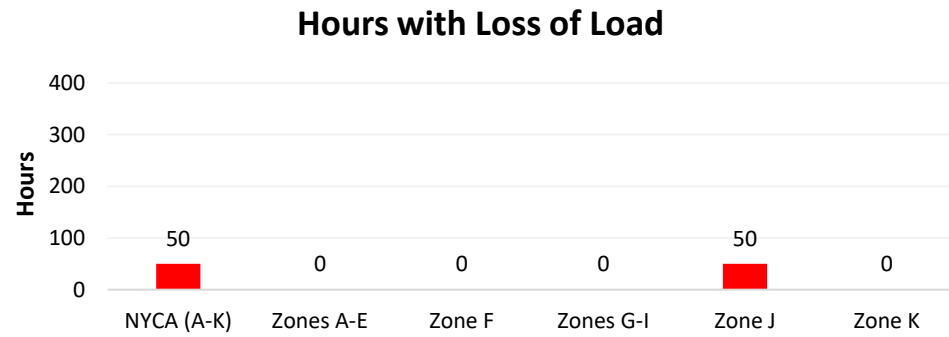
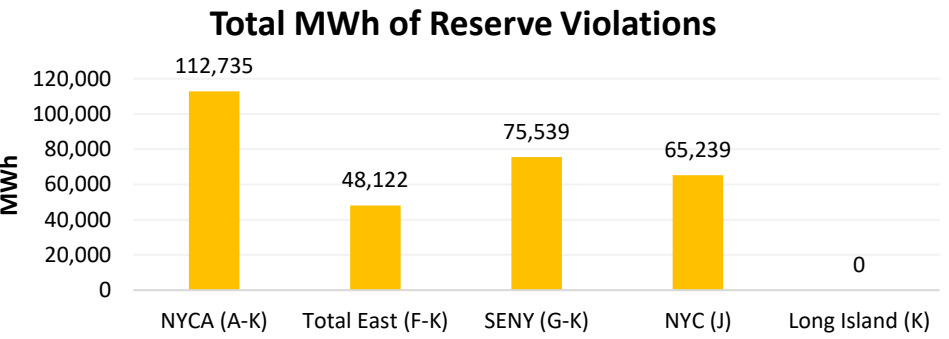
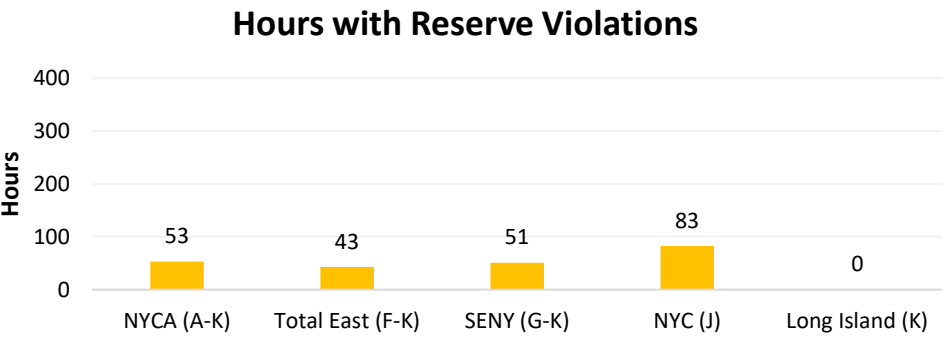
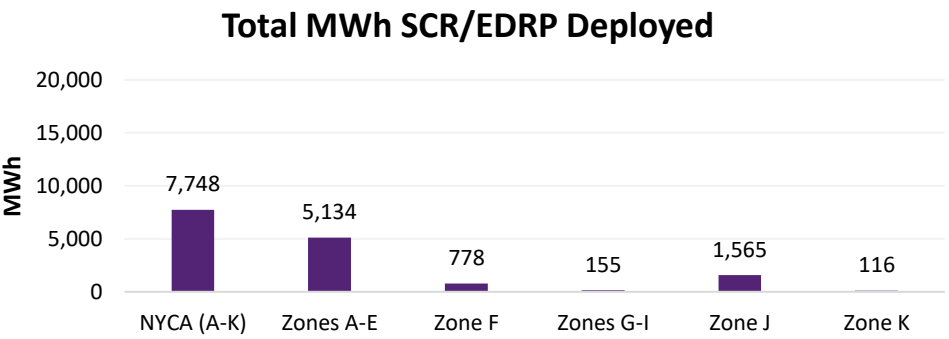
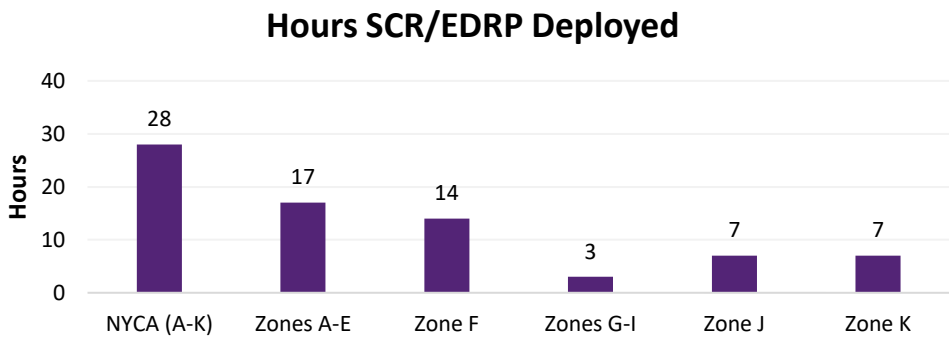
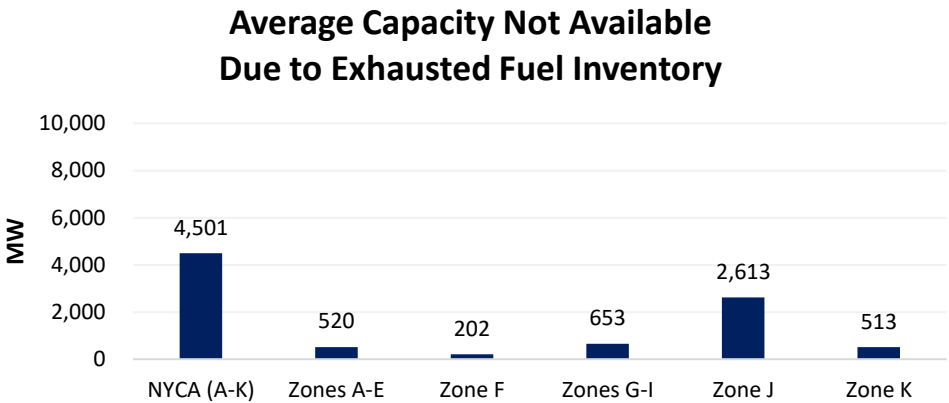
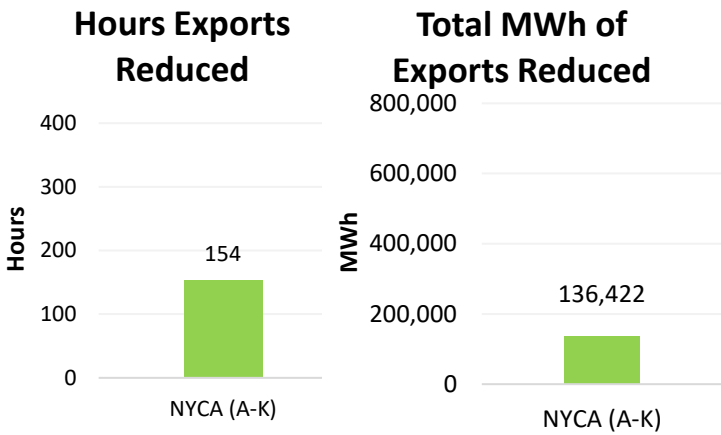
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 50      |
| Total MWh              | 108,227 |
| Avg. MW                | 265.3   |
| First Hour with Losses | 226     |

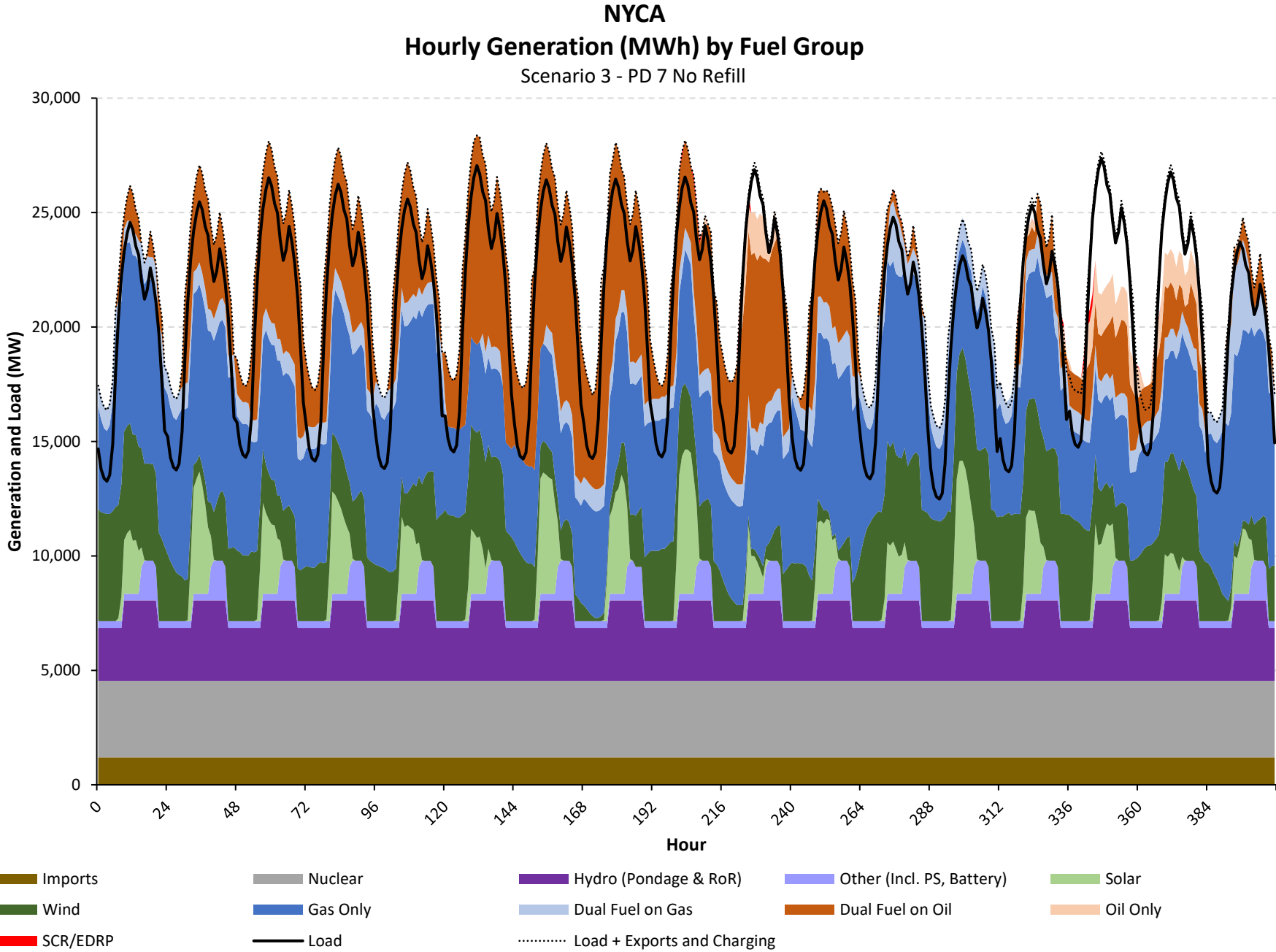


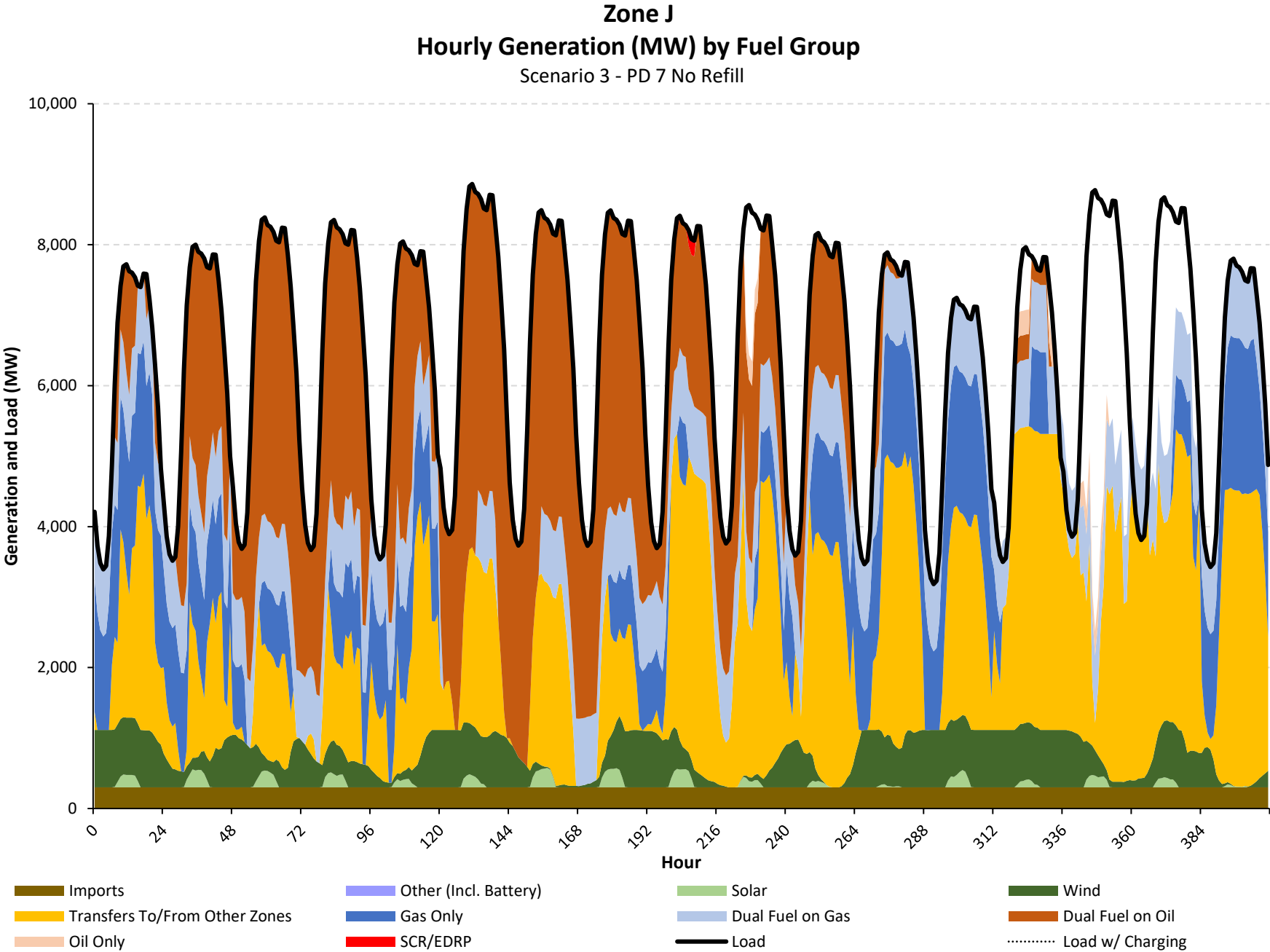
Full Period Results Summary

Case Name: Scenario 3 - PD 7 No Refill

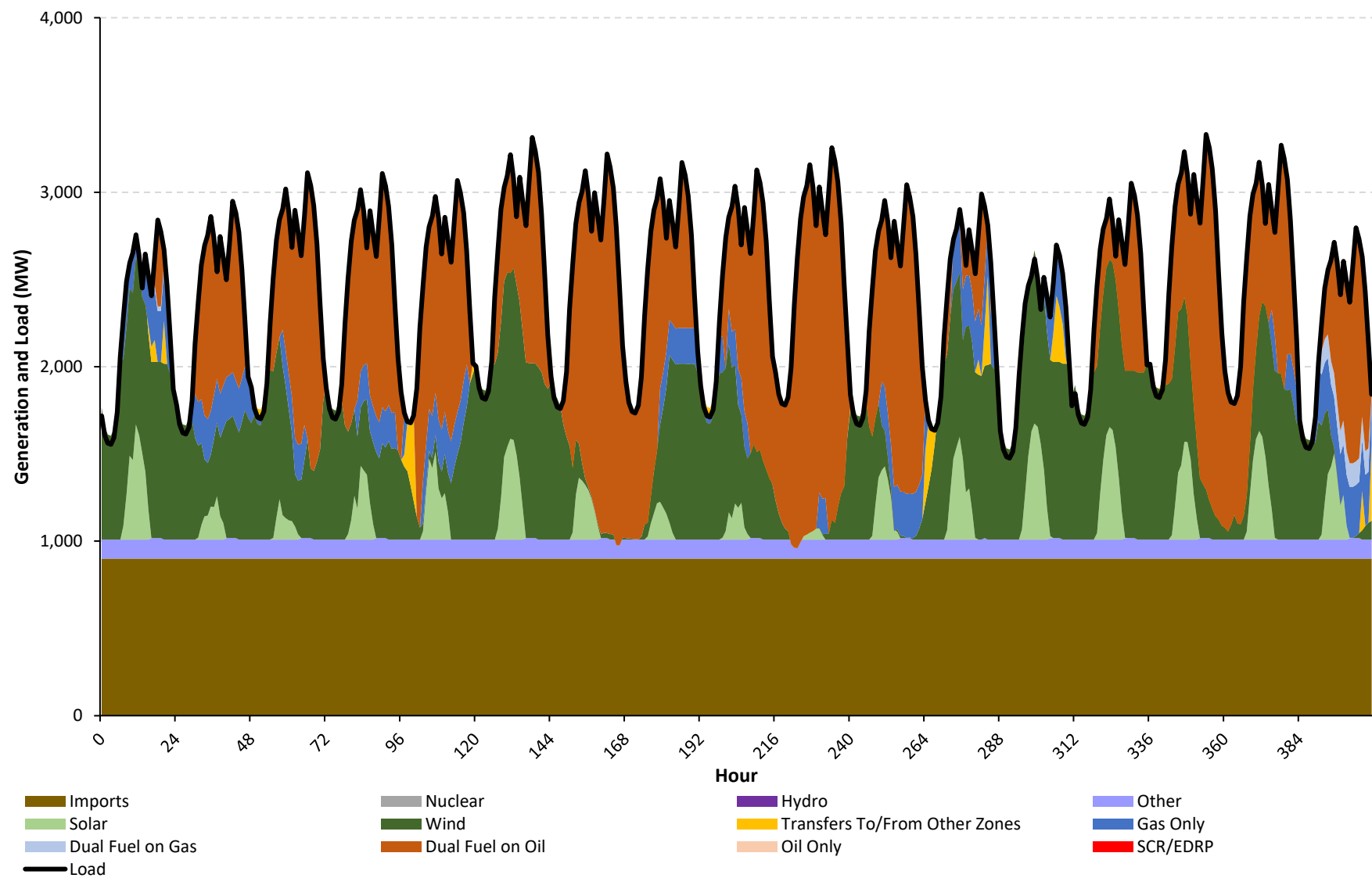
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |



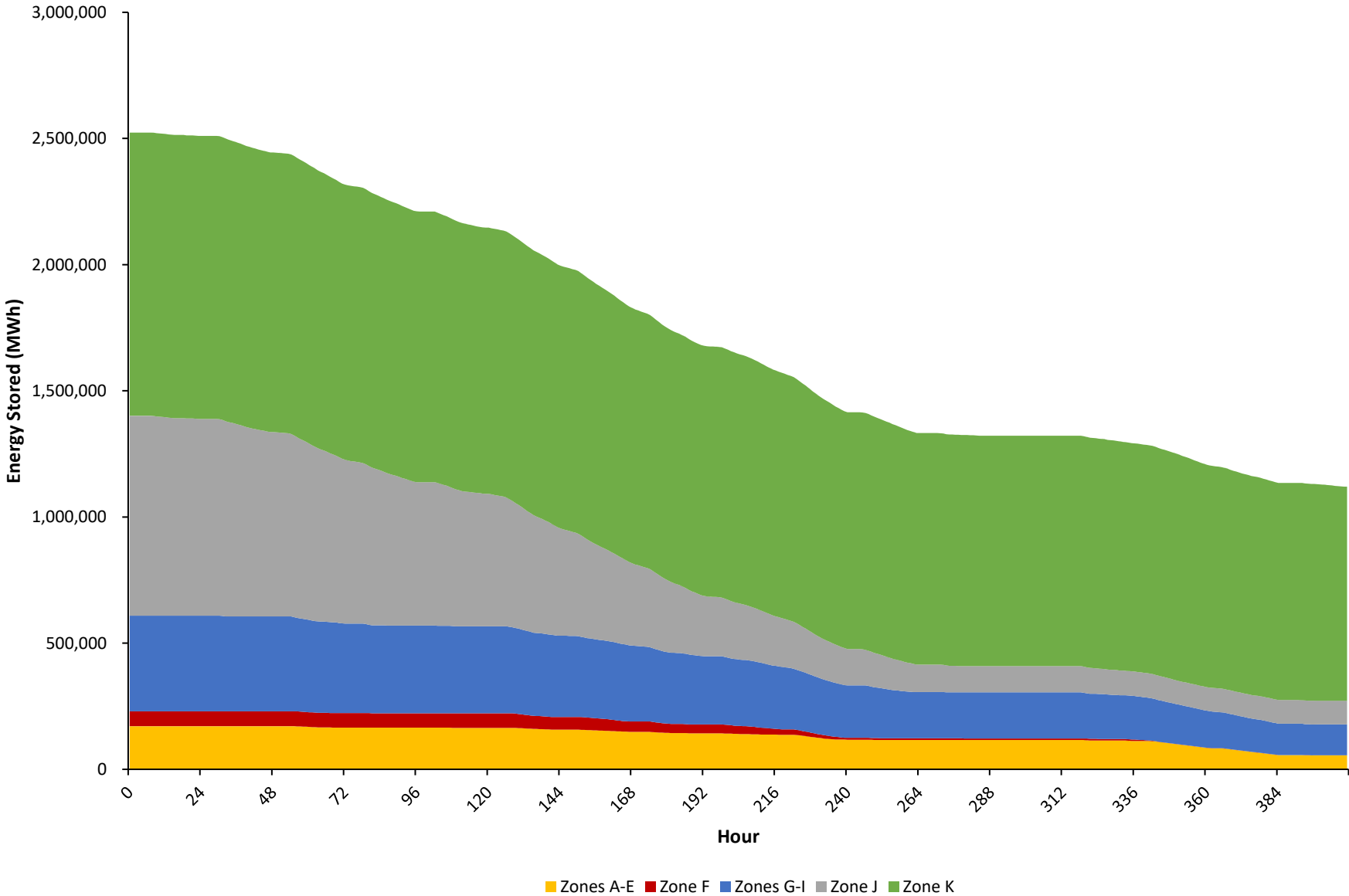


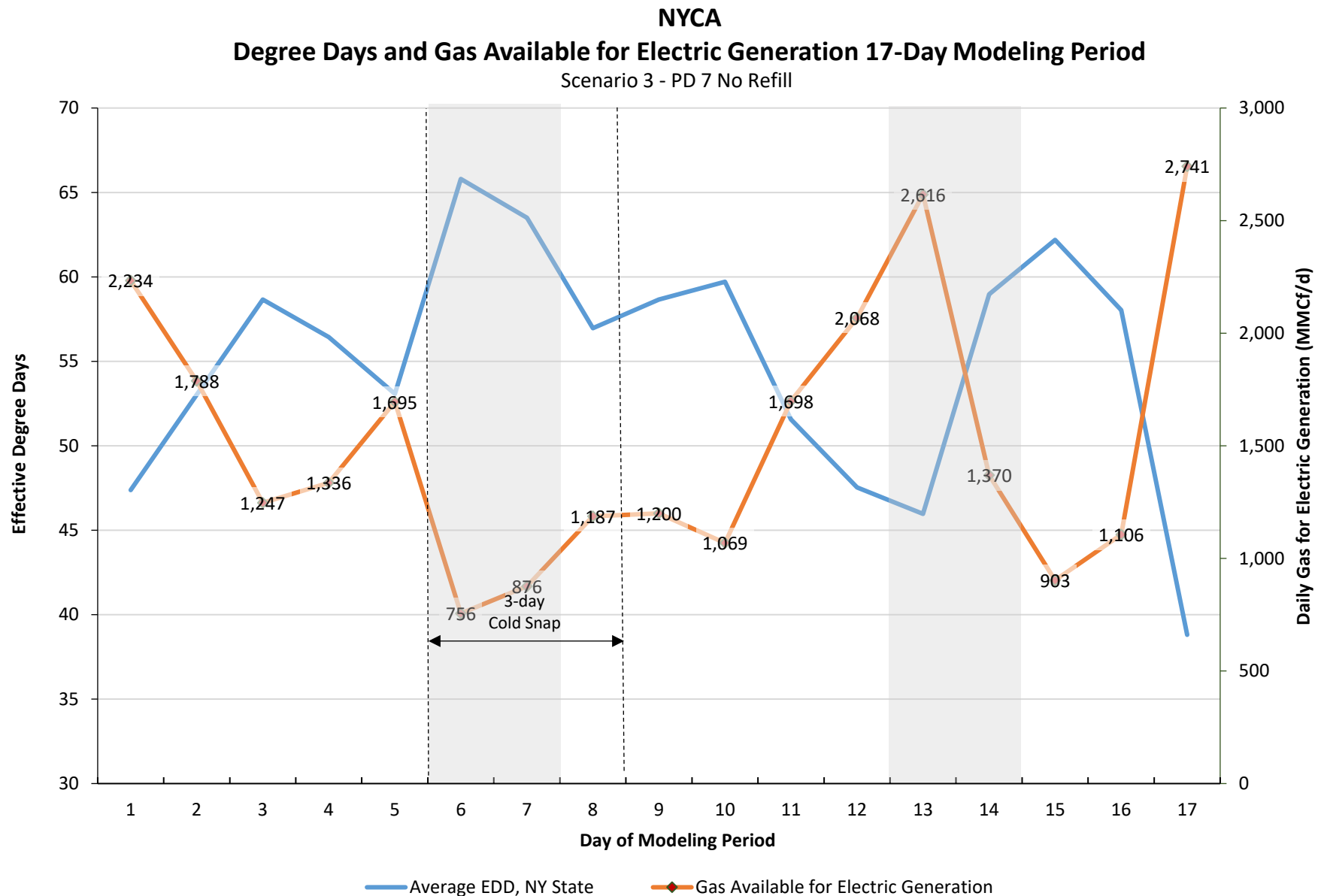


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 7 No Refill



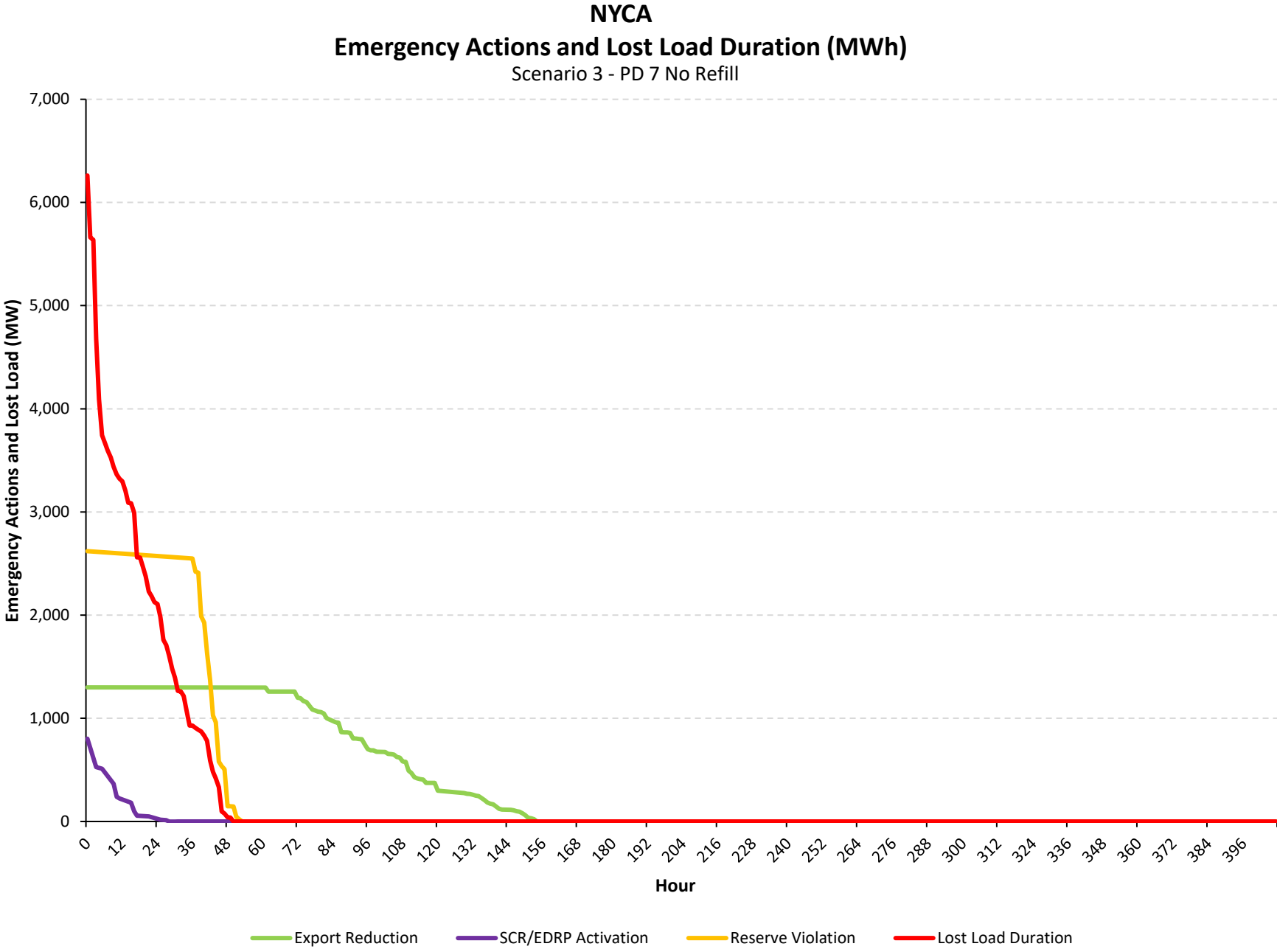
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 3 - PD 7 No Refill

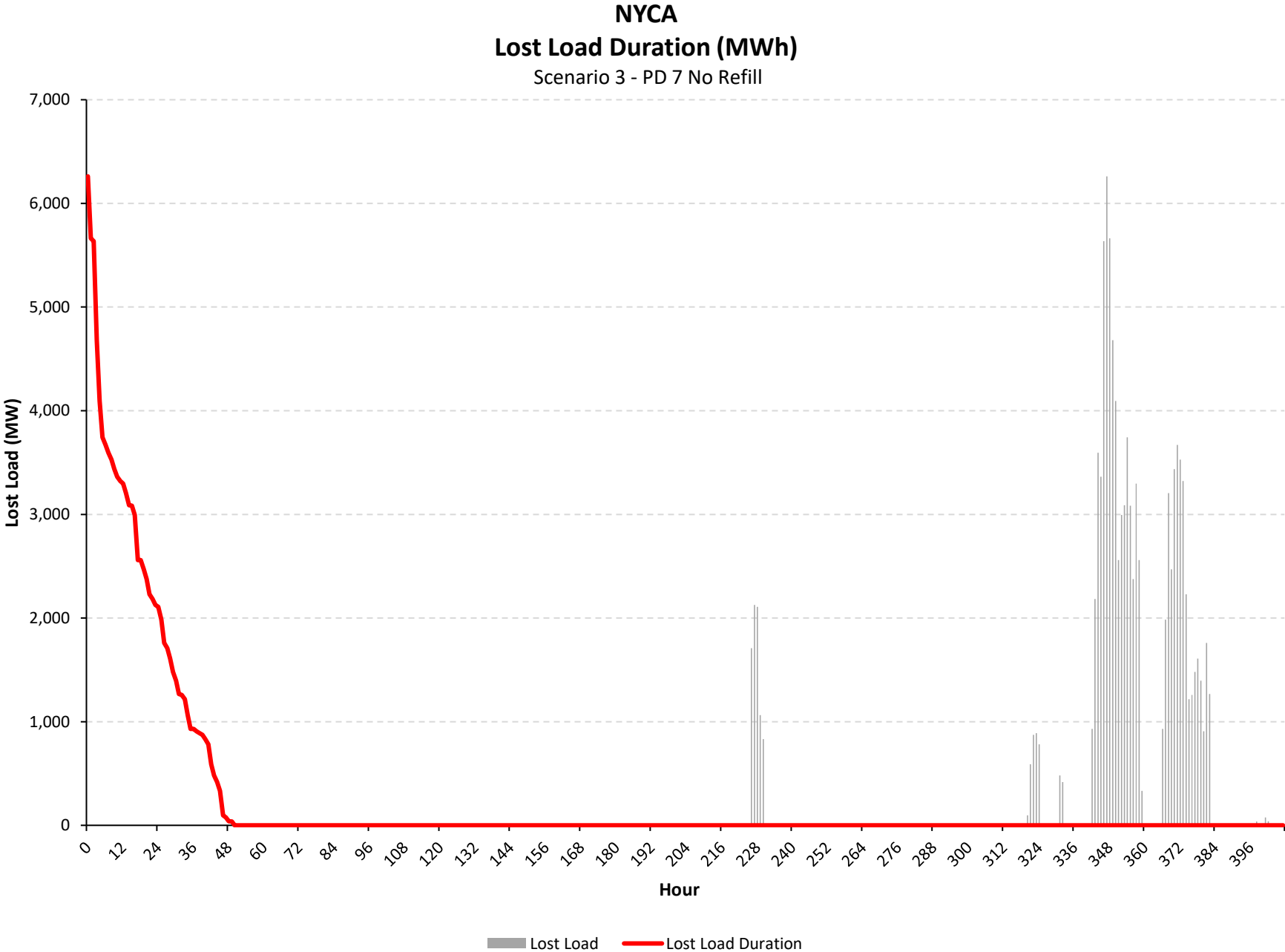




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





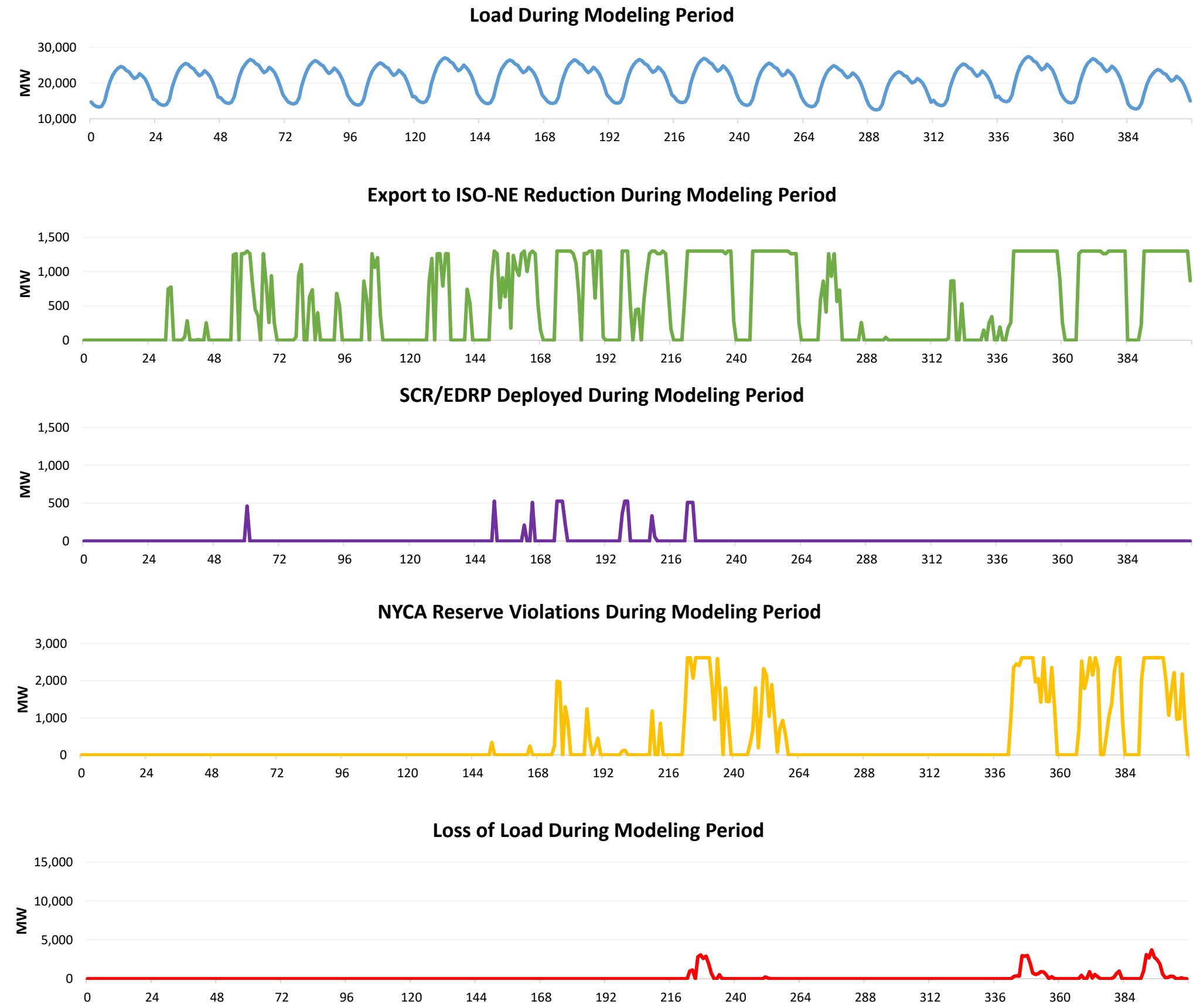


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | F-K       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 211     |
| Total MWh         | 214,027 |
| Avg. MW           | 524.6   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,854 |
| Avg. MW        | 16.8  |

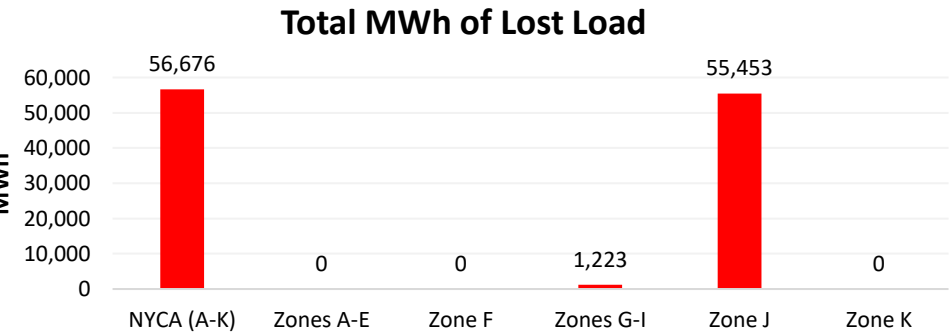
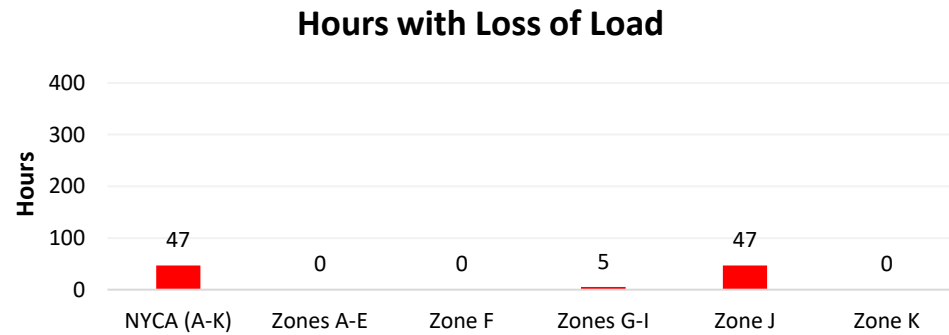
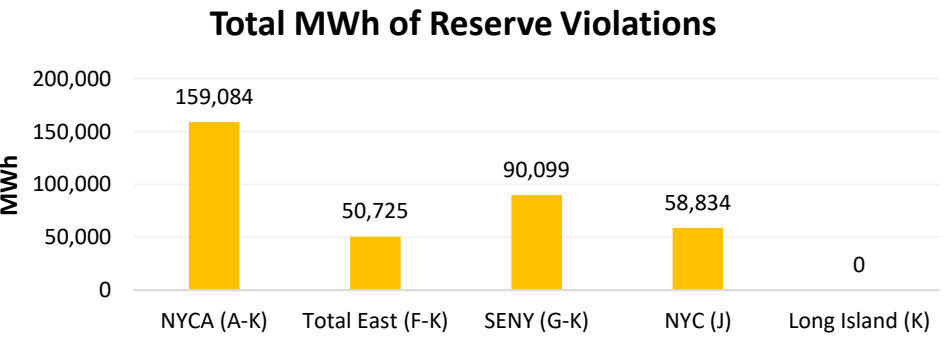
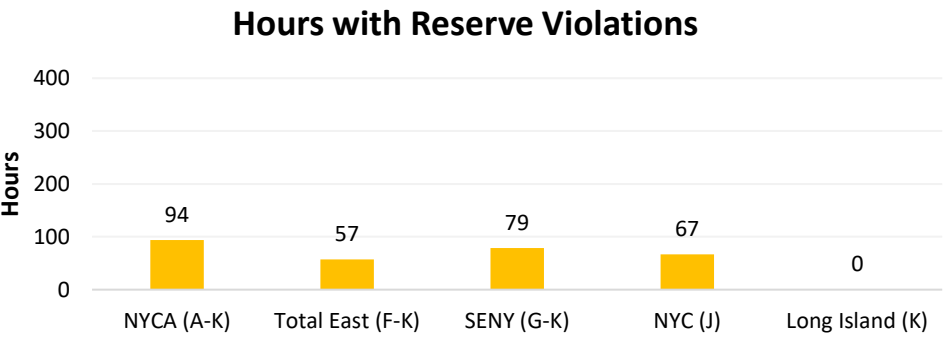
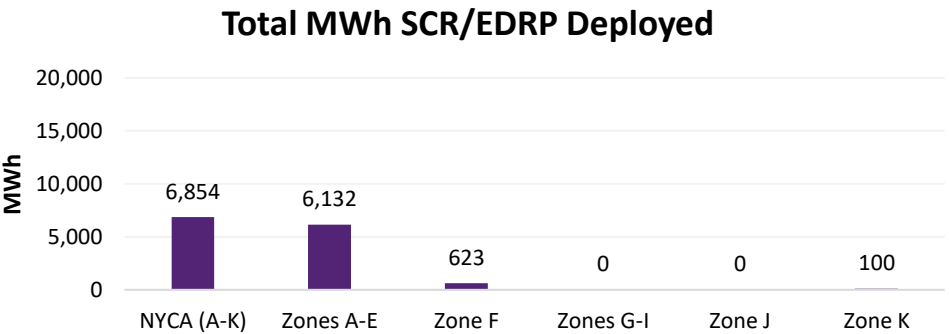
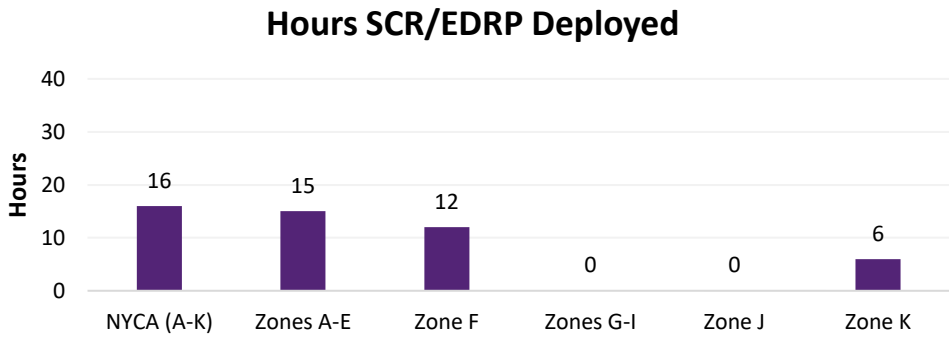
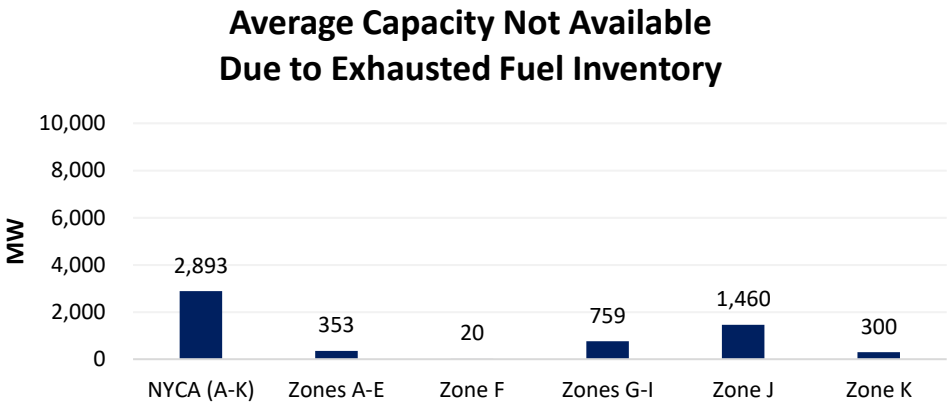
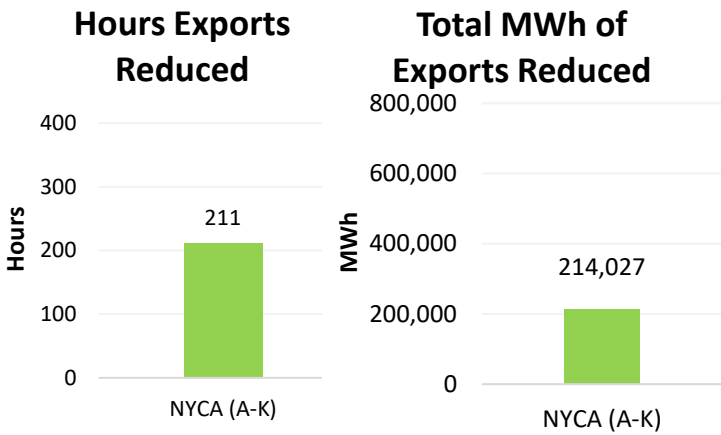
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 94      |
| Total MWh             | 159,084 |
| Avg. MW               | 389.9   |
| First Hour with Viol. | 151     |

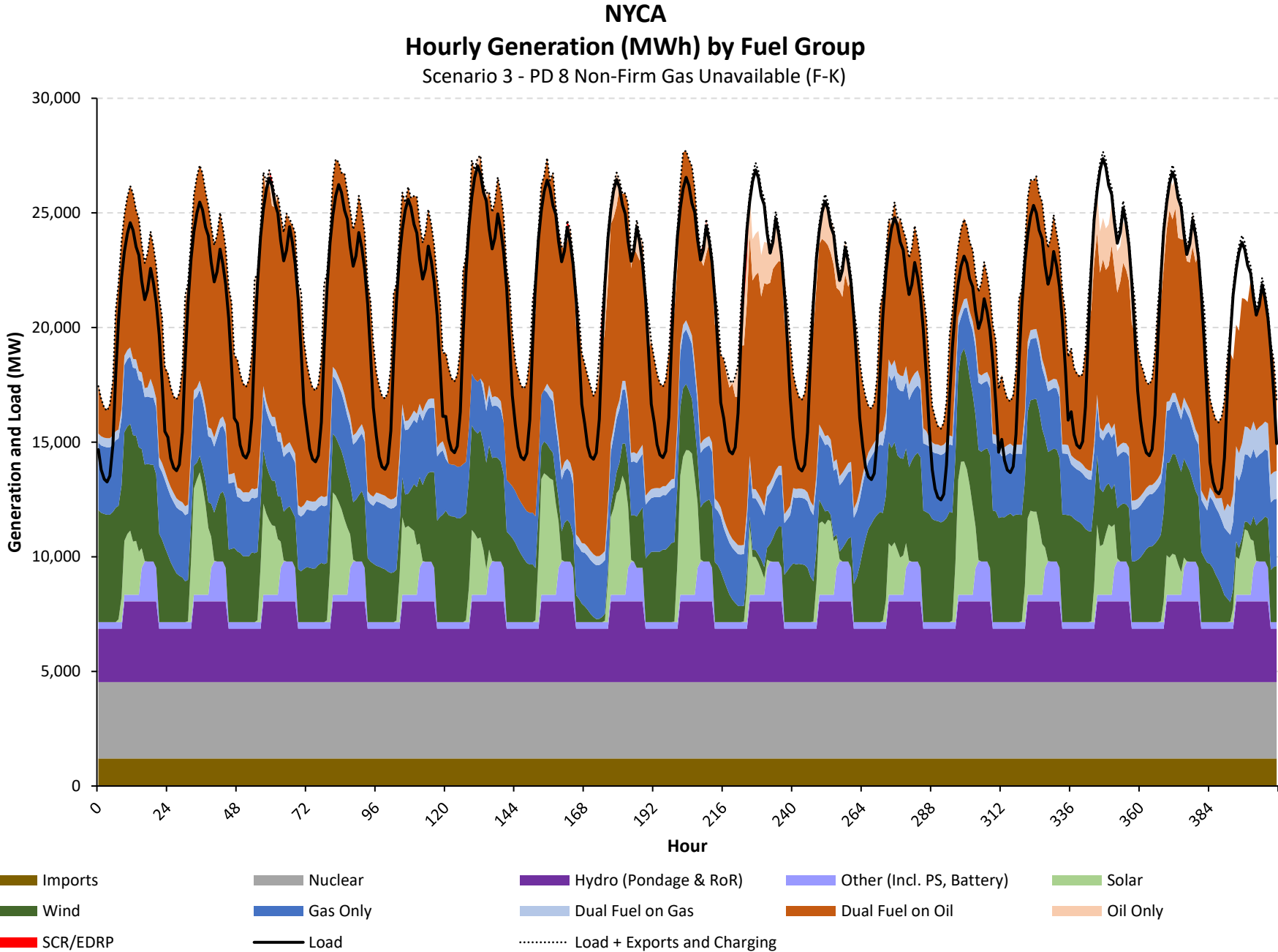
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 47     |
| Total MWh              | 56,676 |
| Avg. MW                | 138.9  |
| First Hour with Losses | 223    |

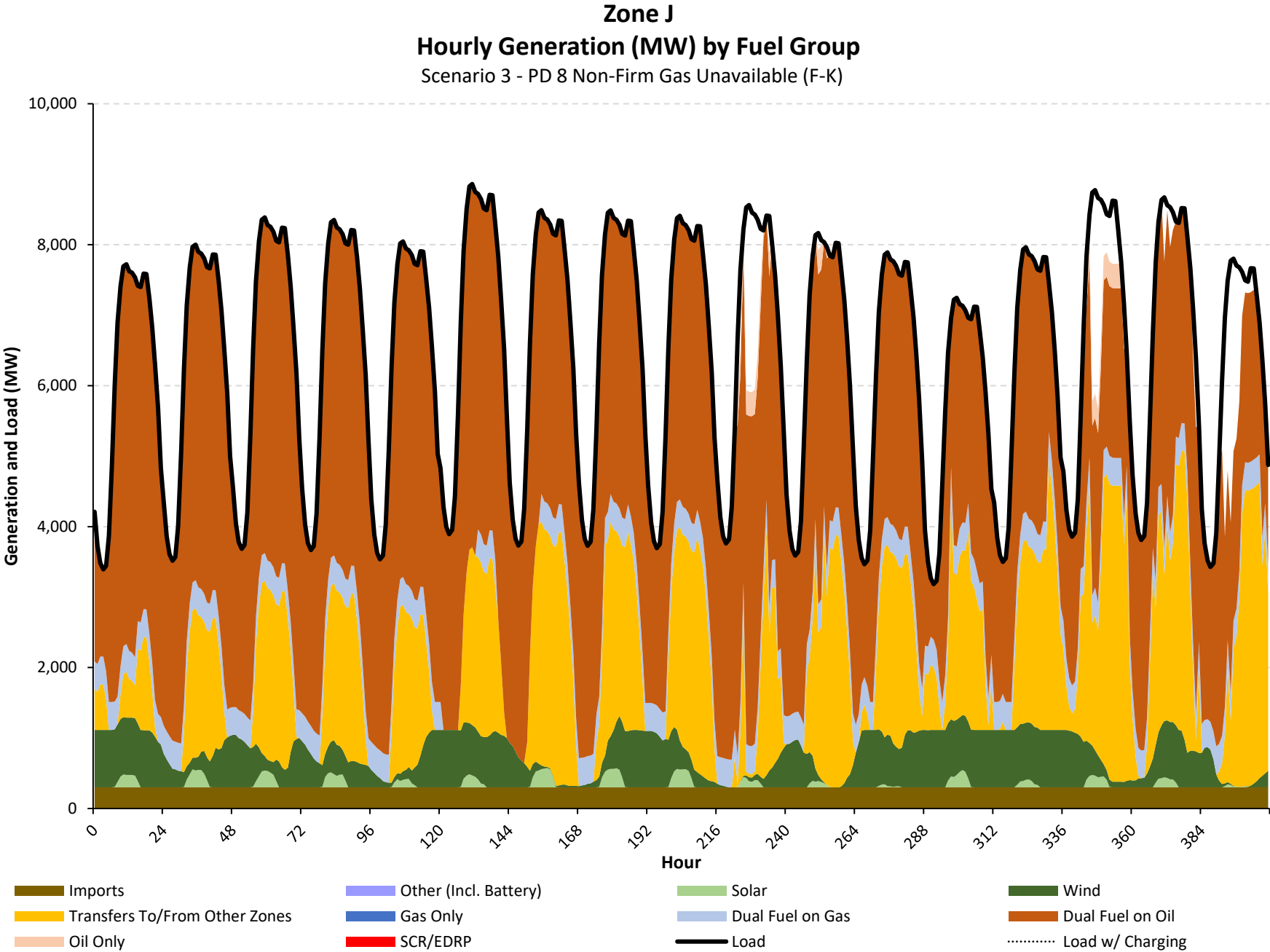
Full Period Results Summary

Case Name: Scenario 3 - PD 8 Non-Firm Gas Unavailable (F-K)

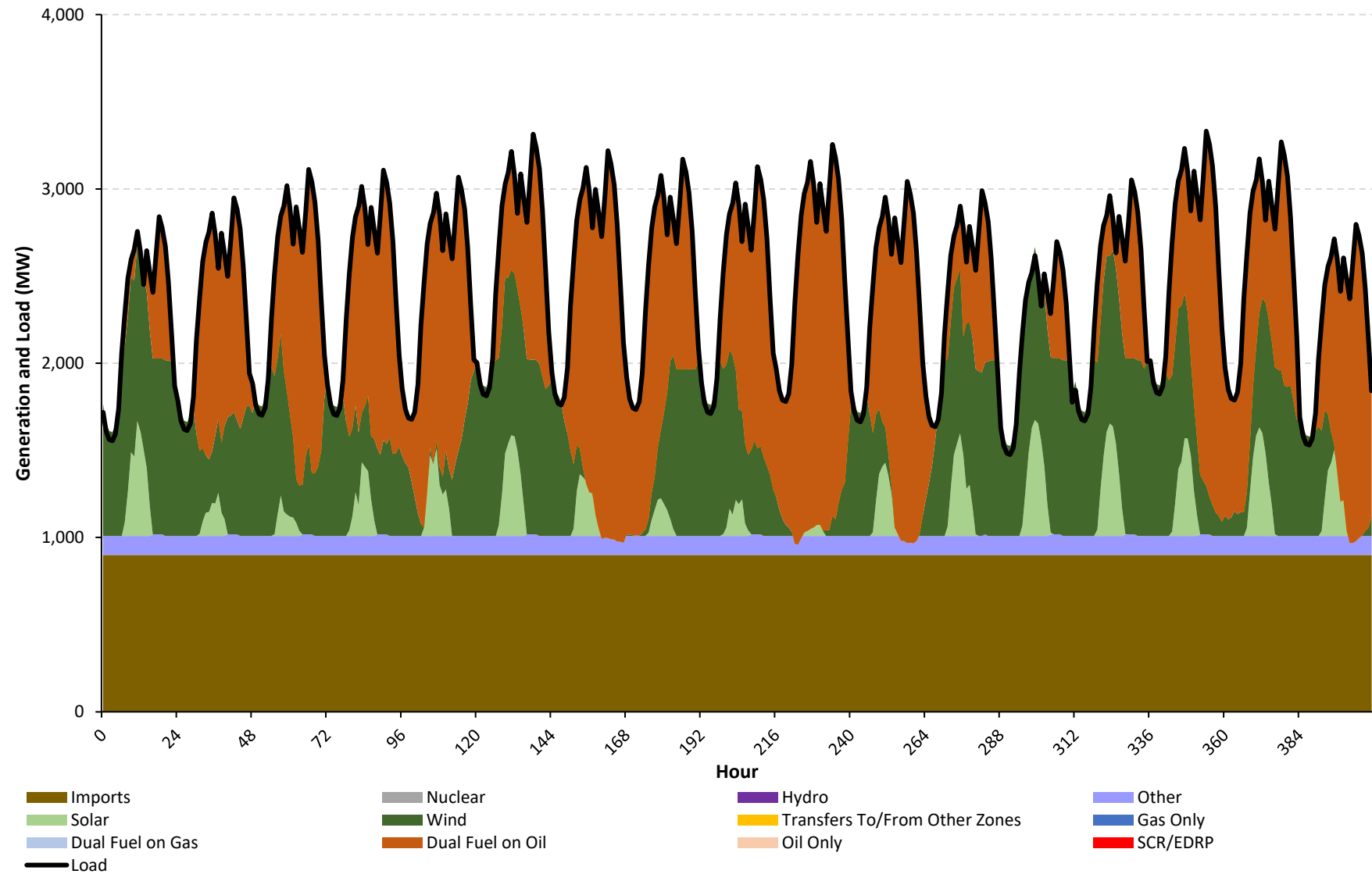
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | F-K       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

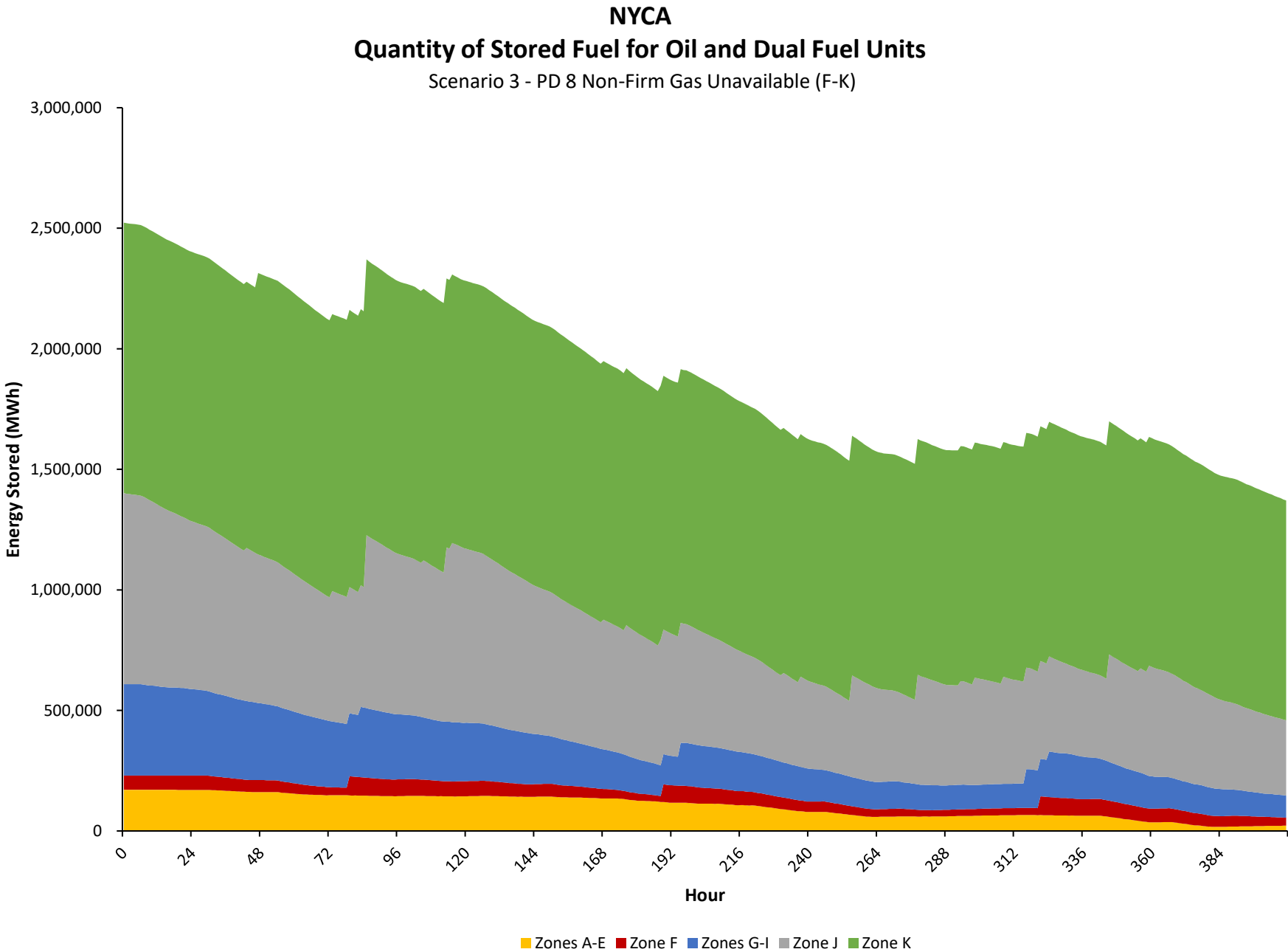


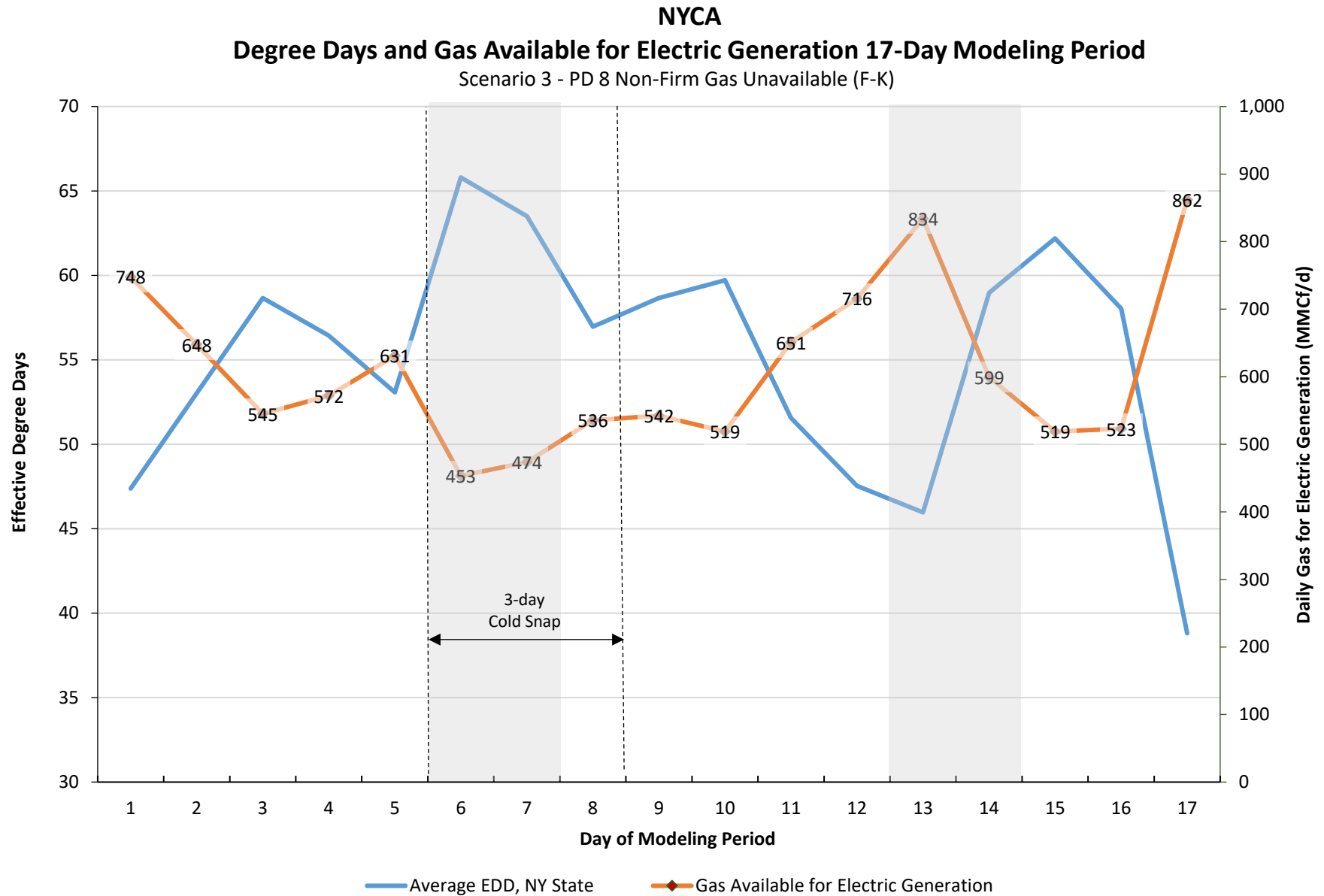




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 8 Non-Firm Gas Unavailable (F-K)





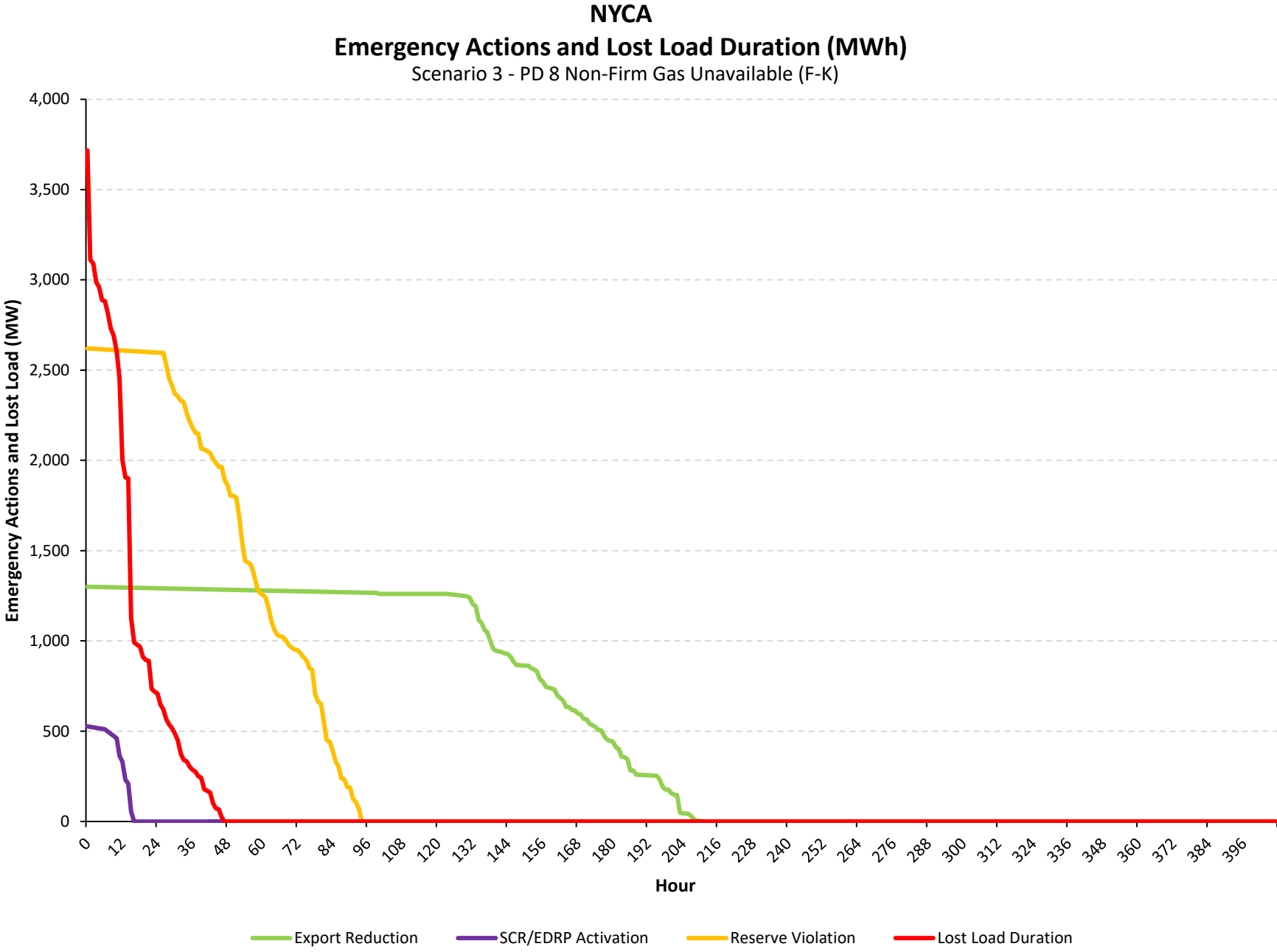


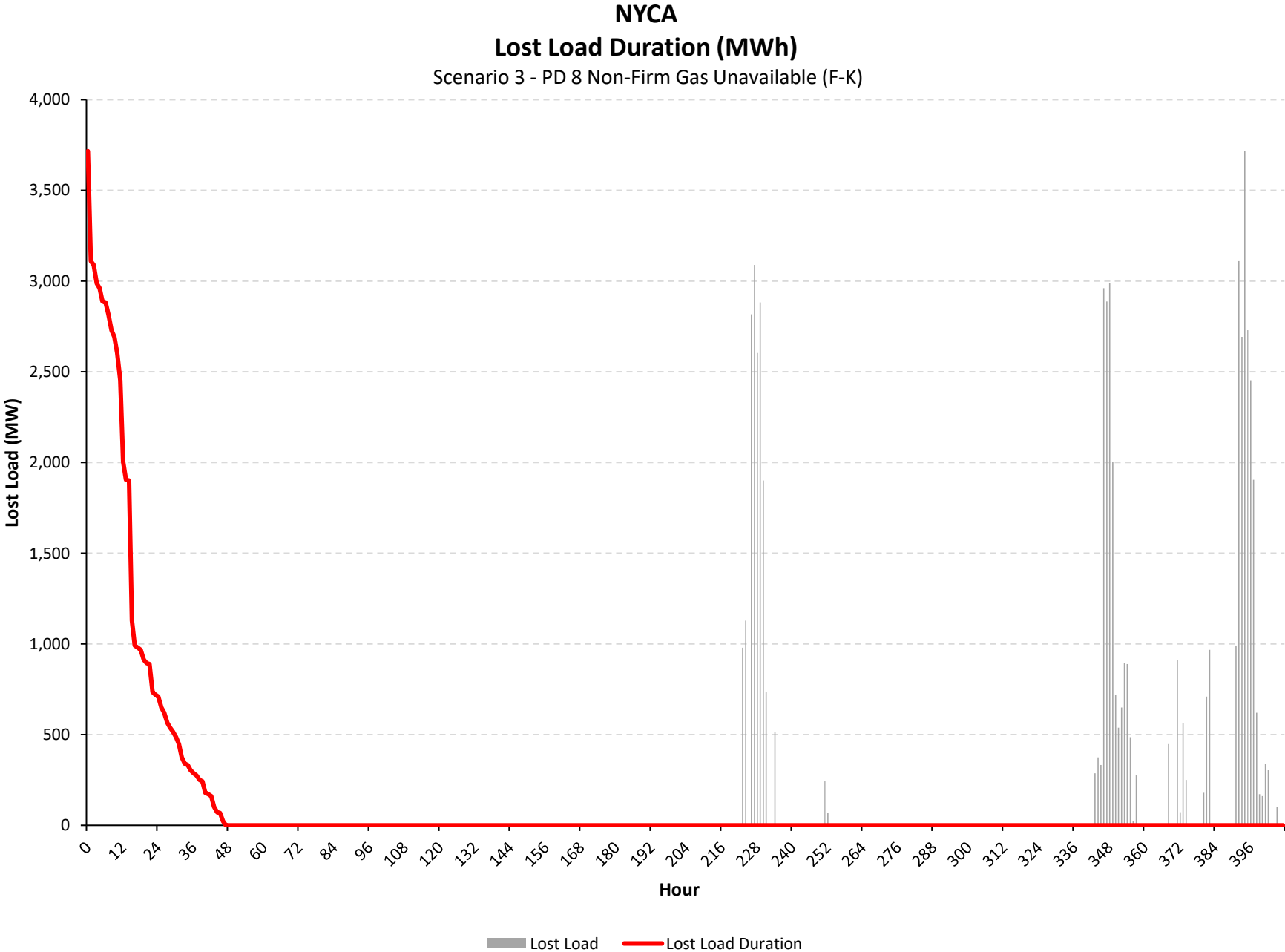
**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.





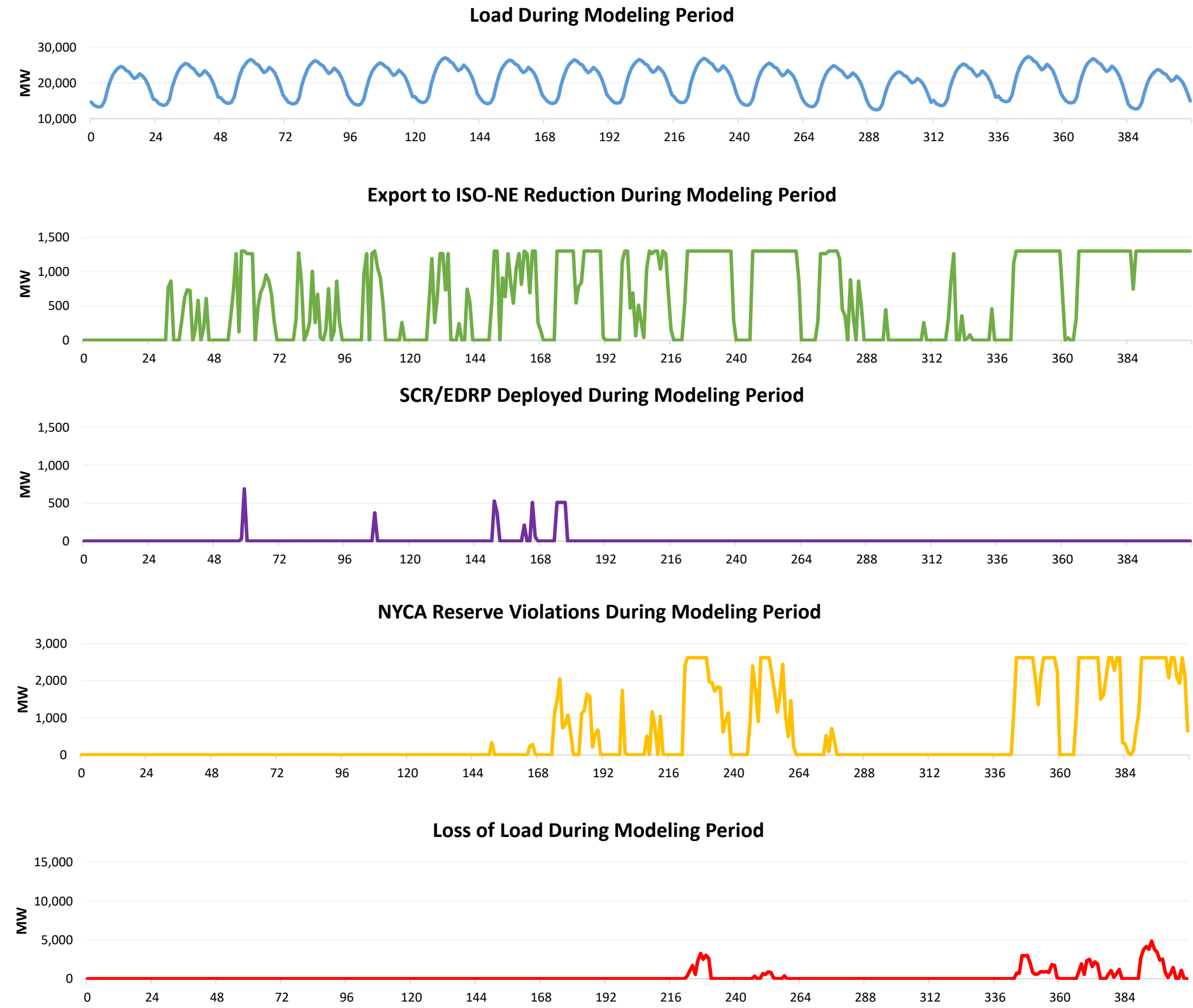


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | NYISO     |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 239     |
| Total MWh         | 237,874 |
| Avg. MW           | 583.0   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 4,804 |
| Avg. MW        | 11.8  |

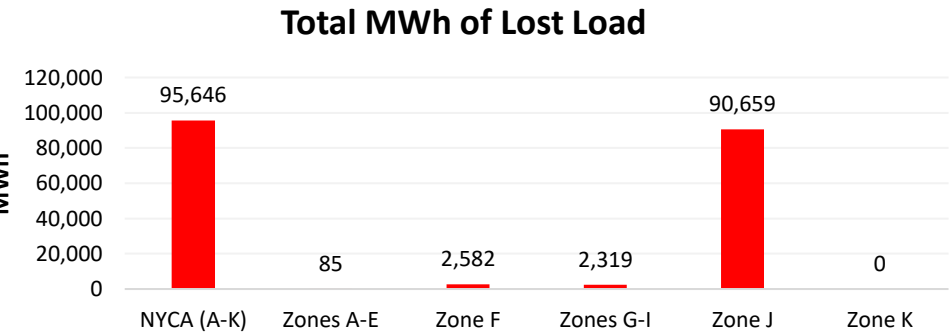
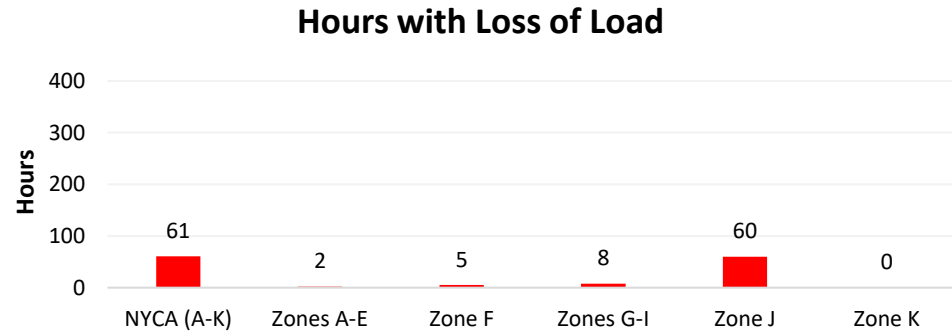
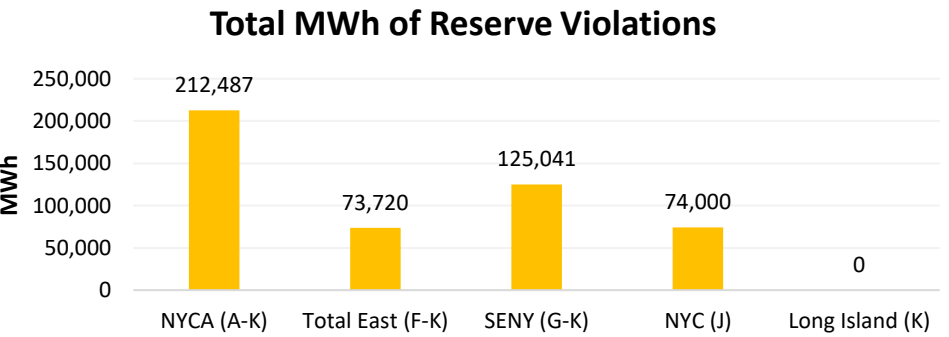
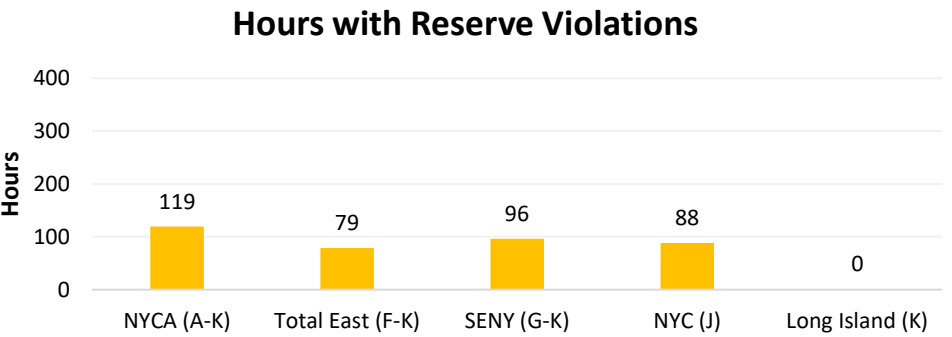
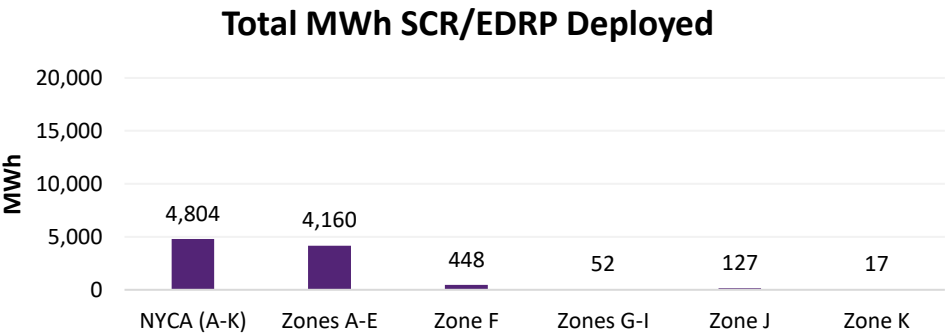
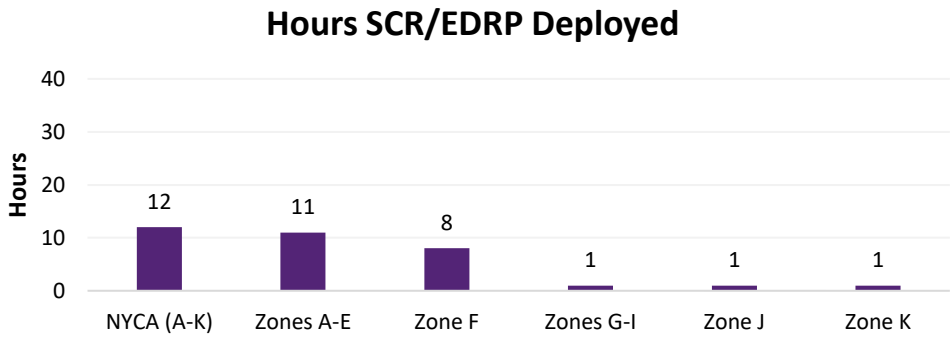
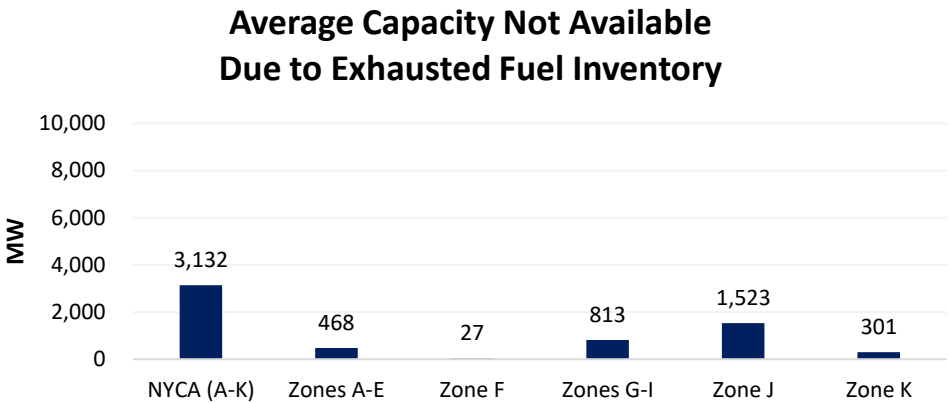
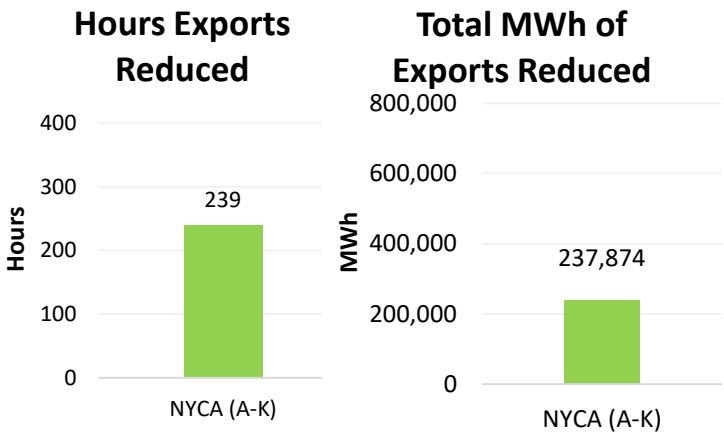
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 119     |
| Total MWh             | 212,487 |
| Avg. MW               | 520.8   |
| First Hour with Viol. | 151     |

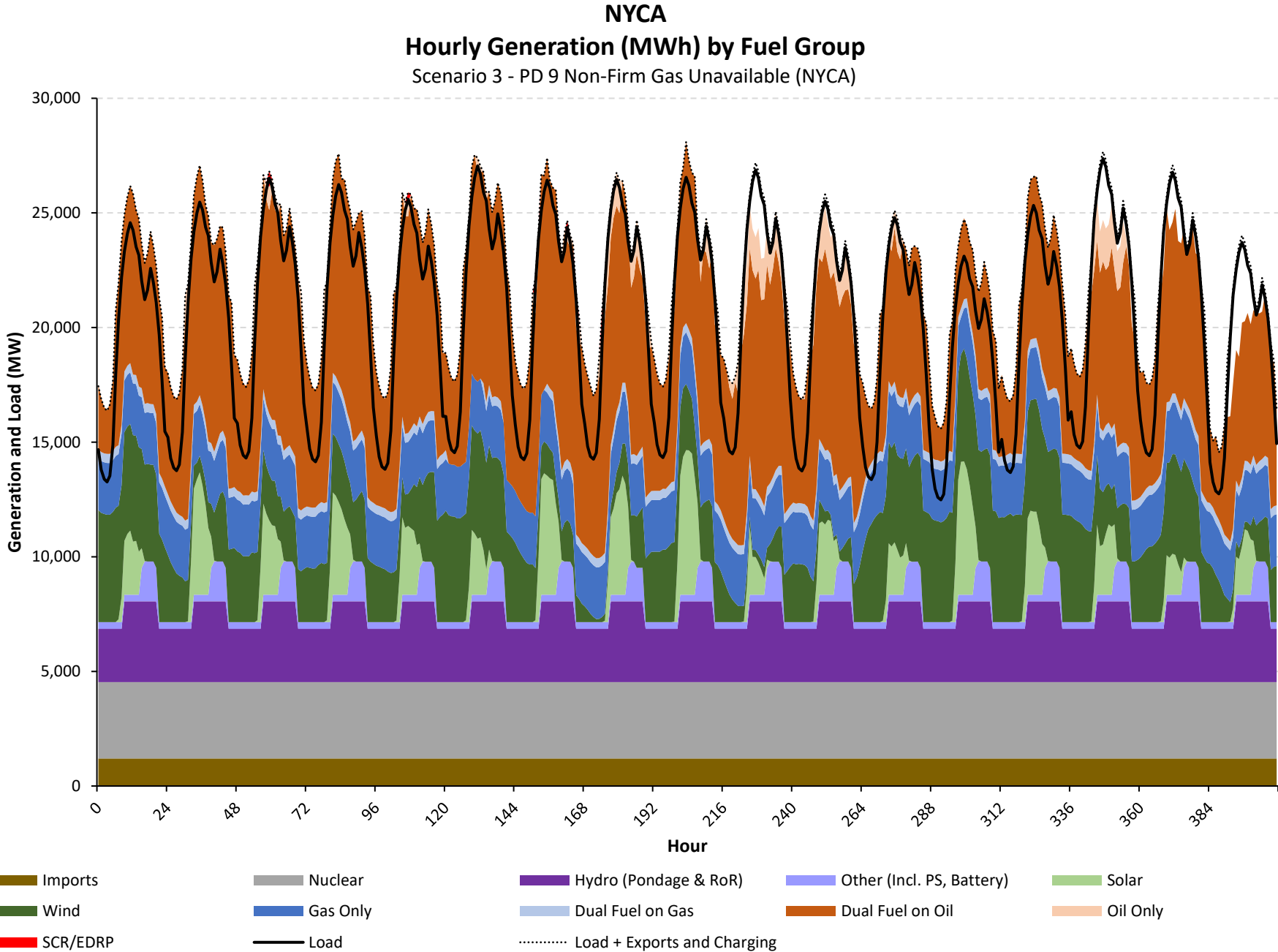
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 61     |
| Total MWh              | 95,646 |
| Avg. MW                | 234.4  |
| First Hour with Losses | 222    |

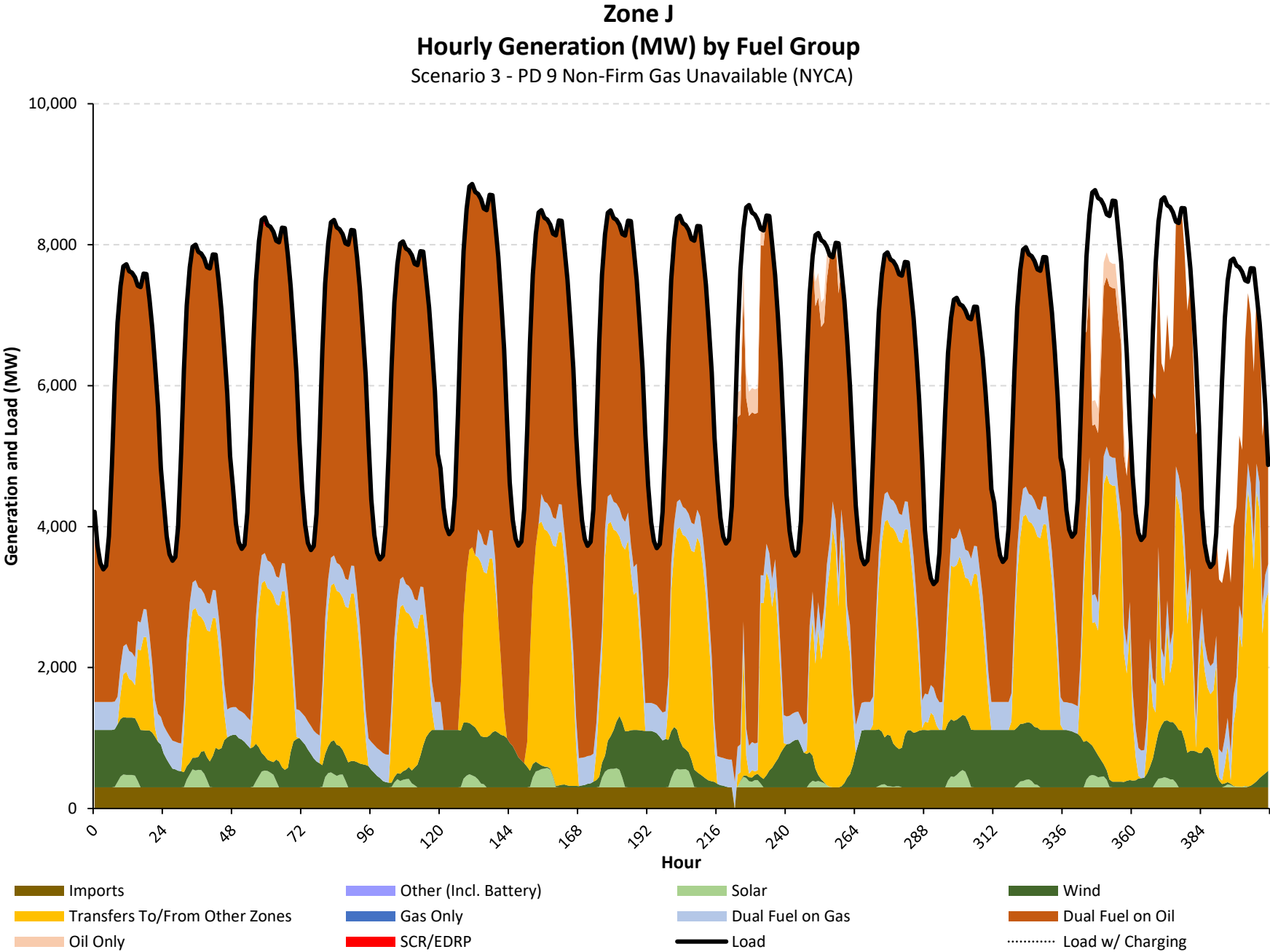
Full Period Results Summary

Case Name: Scenario 3 - PD 9 Non-Firm Gas Unavailable (NYCA)

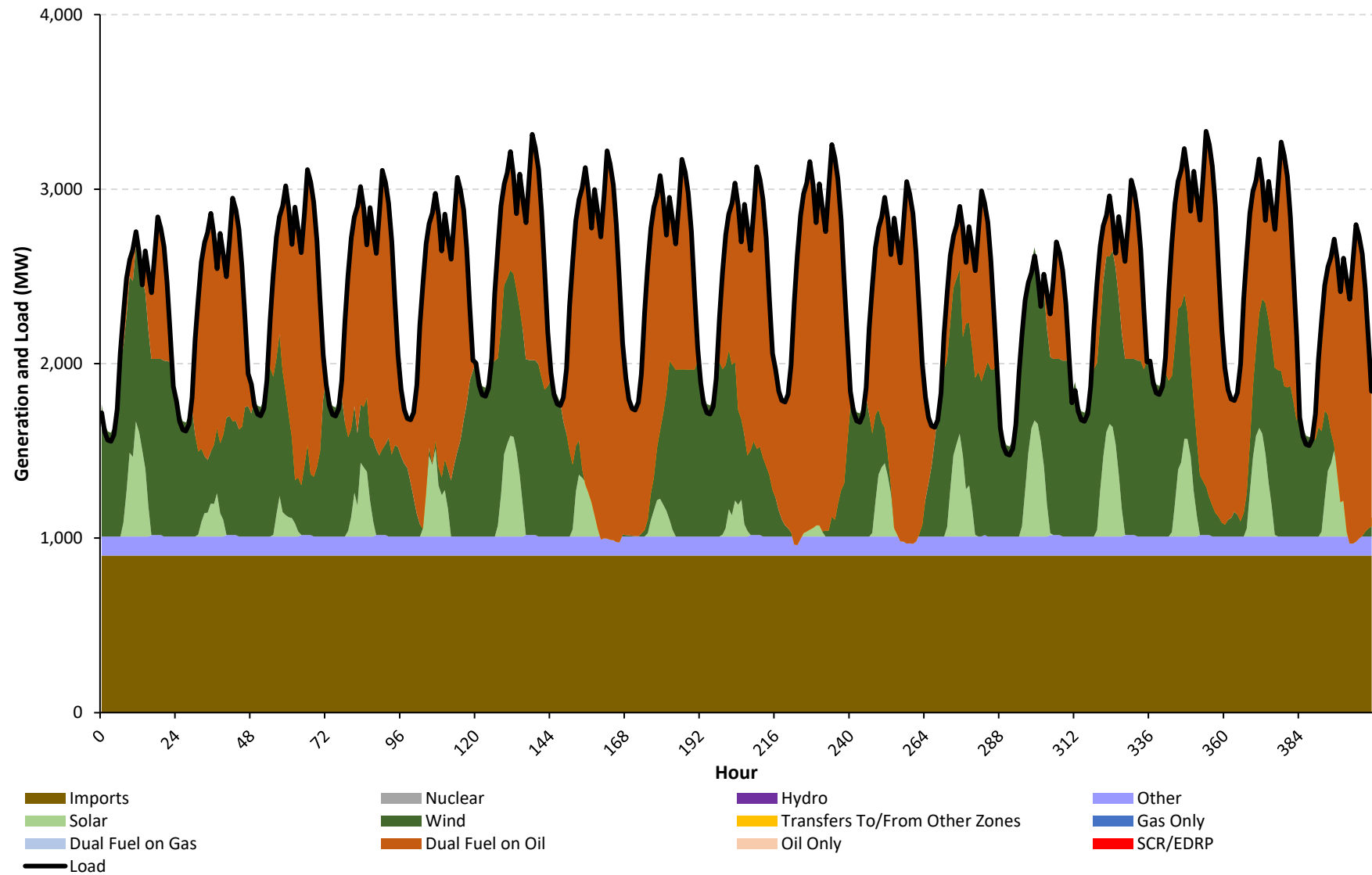
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | NYISO     |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |



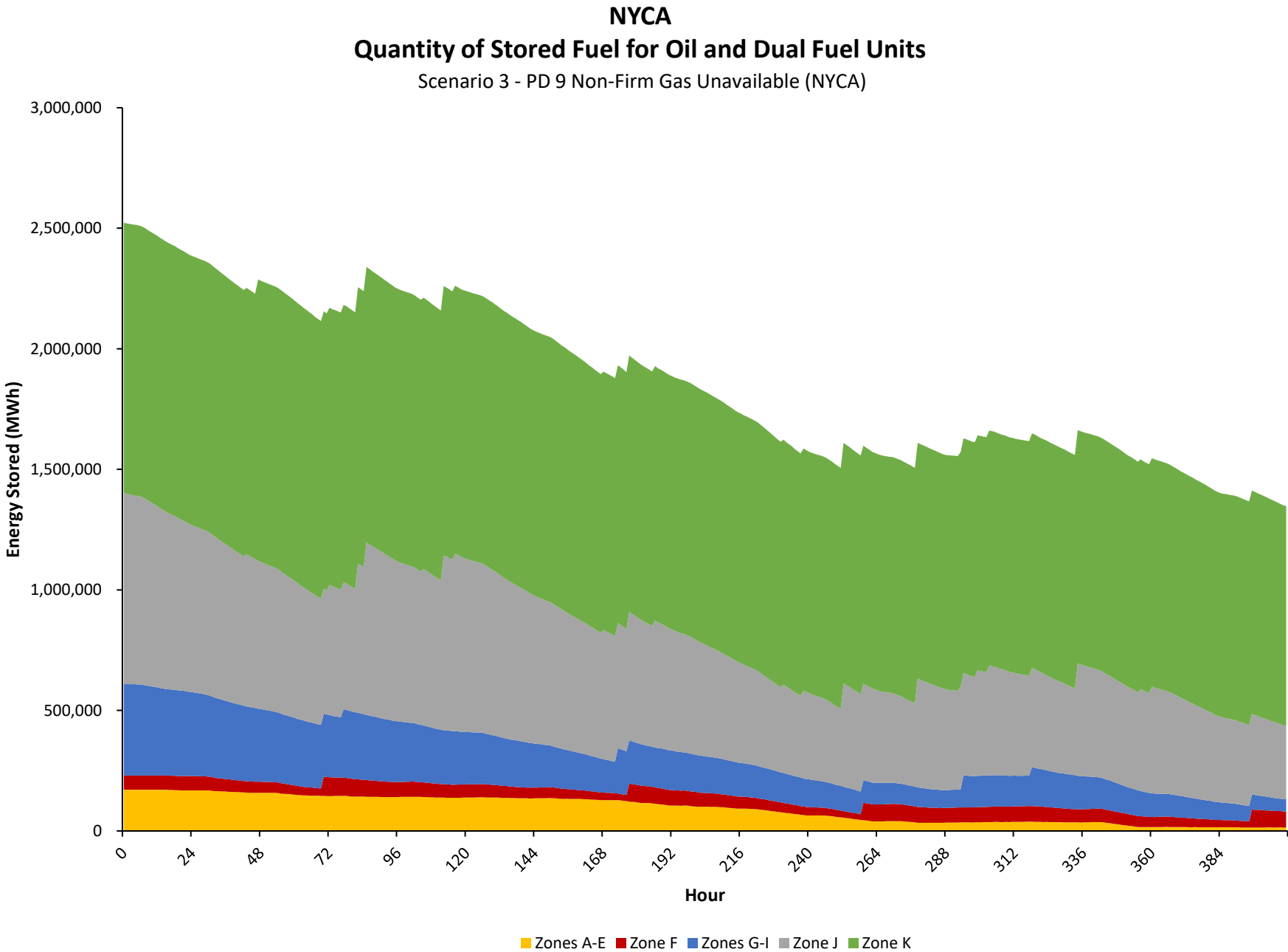


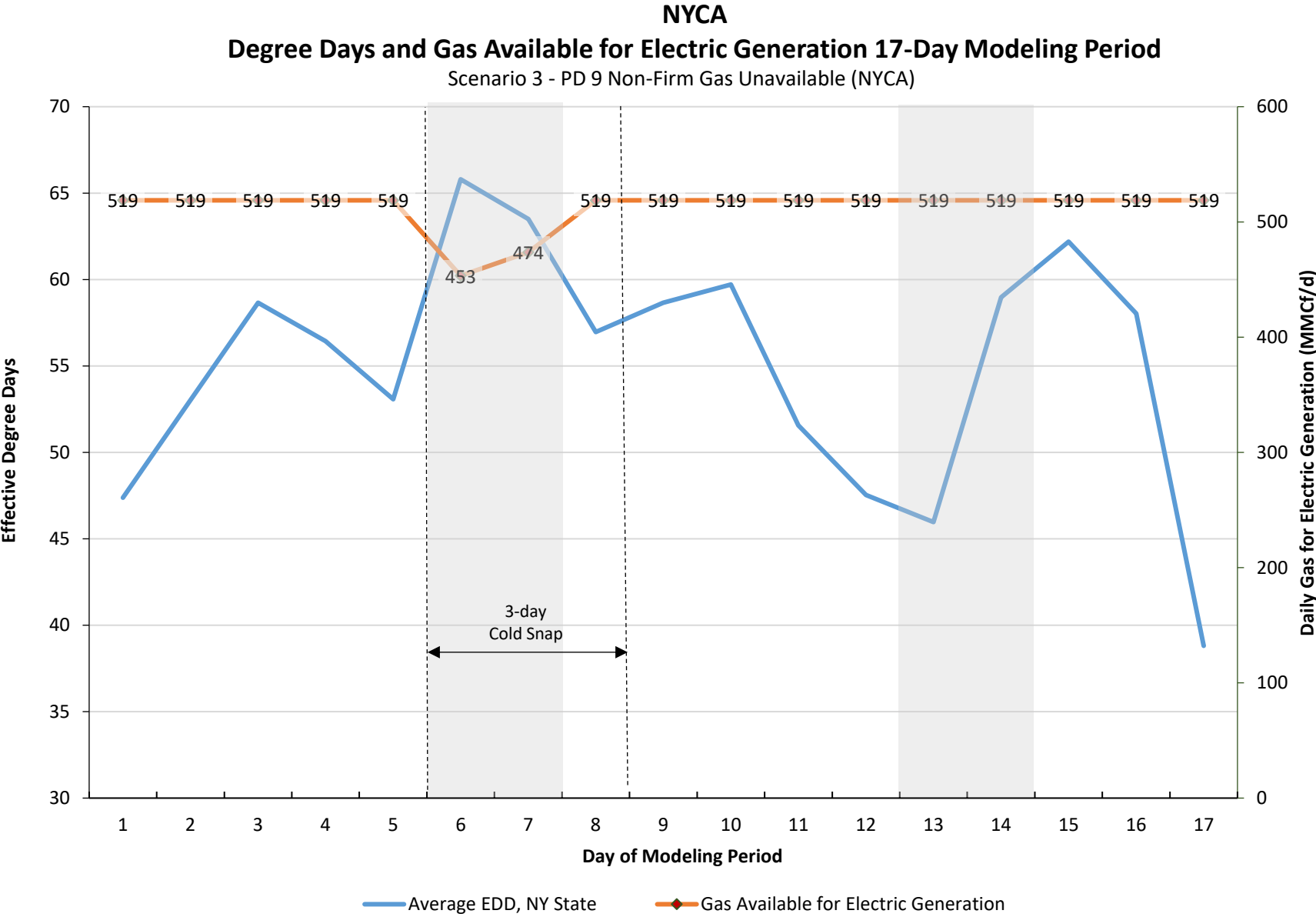


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 9 Non-Firm Gas Unavailable (NYCA)

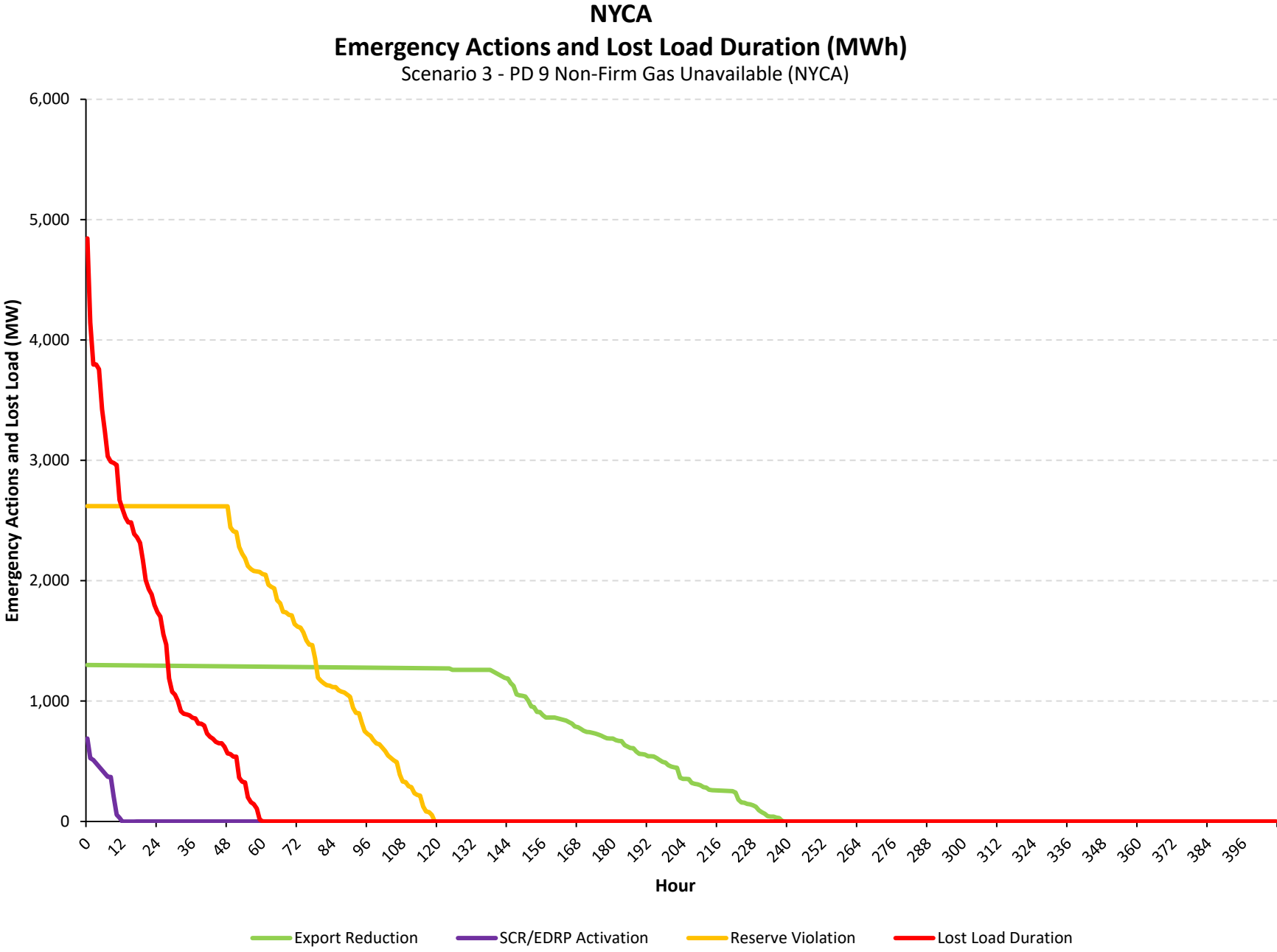


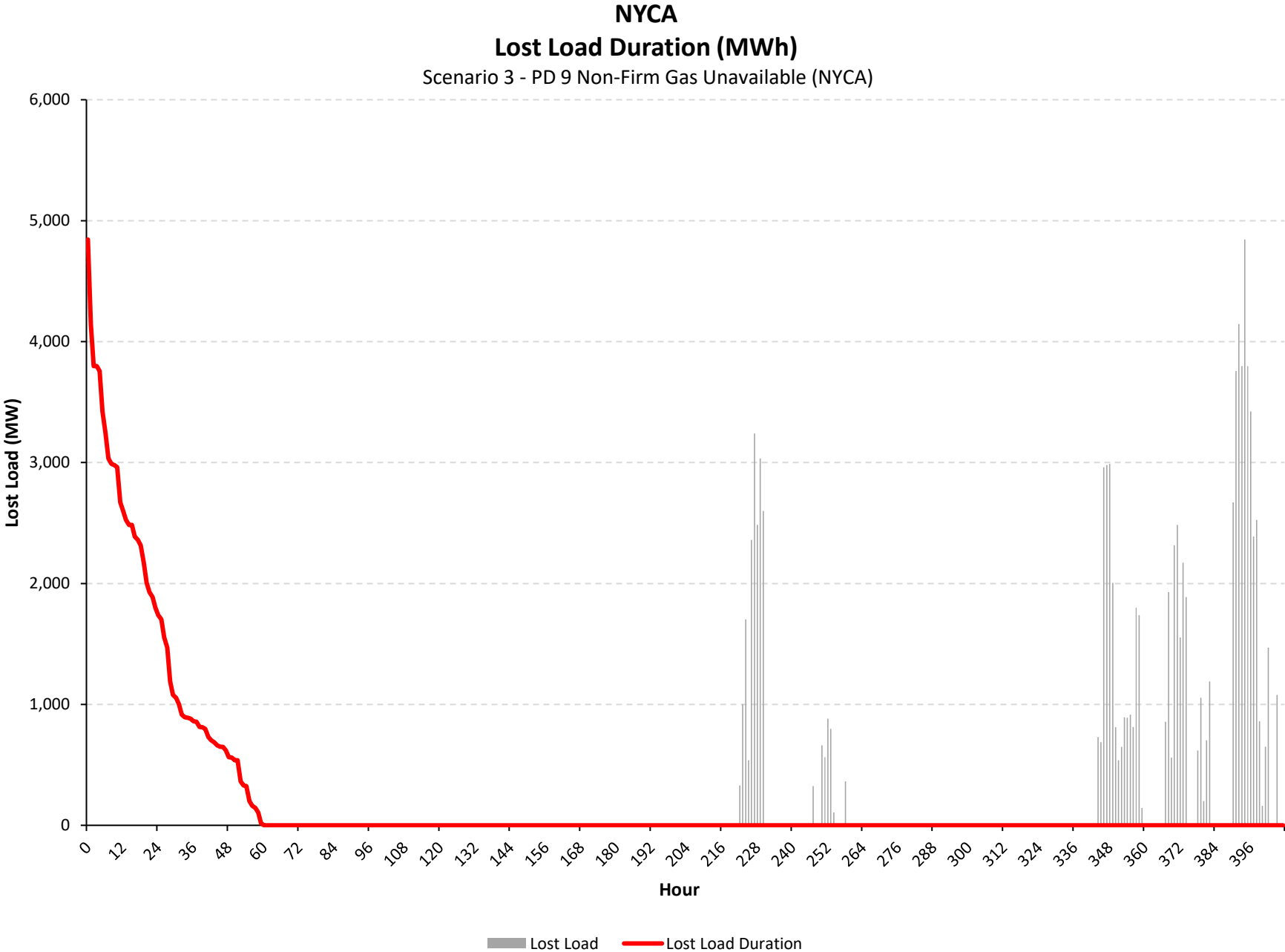






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



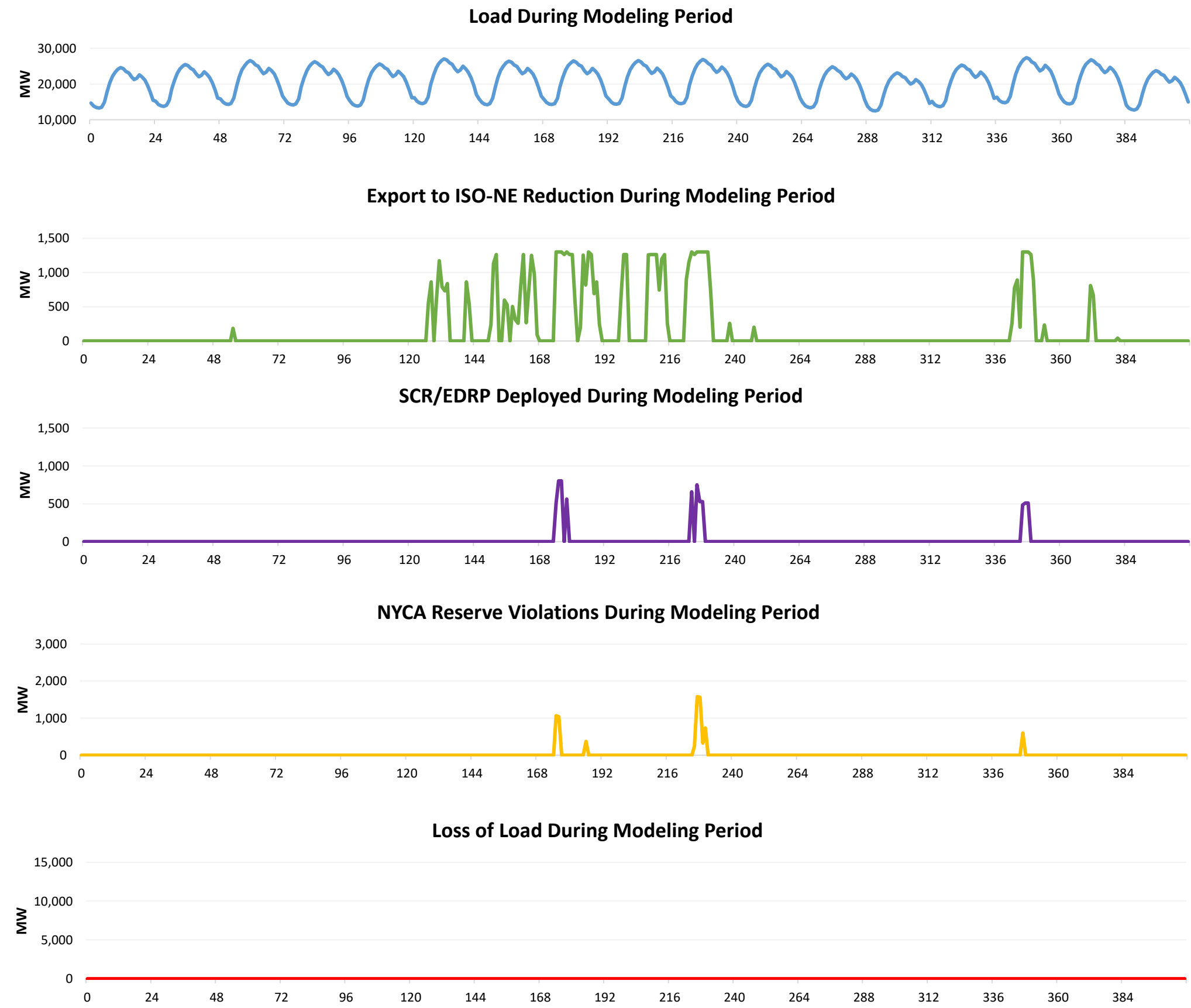


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 3 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 3 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | 3-4 days  |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 77     |
| Total MWh         | 67,462 |
| Avg. MW           | 165.3  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 11    |
| Total MWh      | 6,643 |
| Avg. MW        | 16.3  |

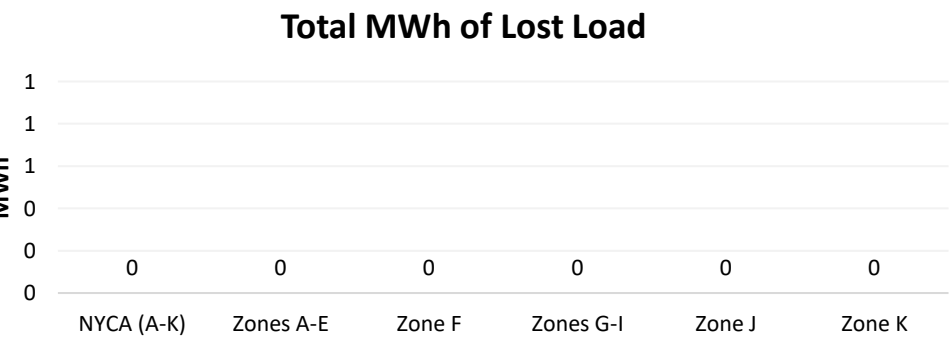
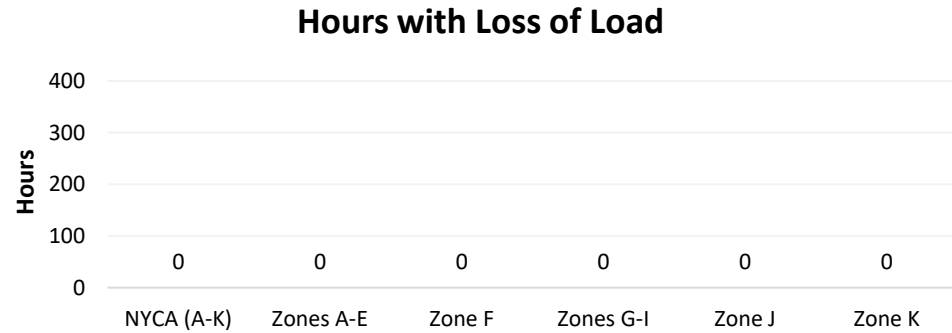
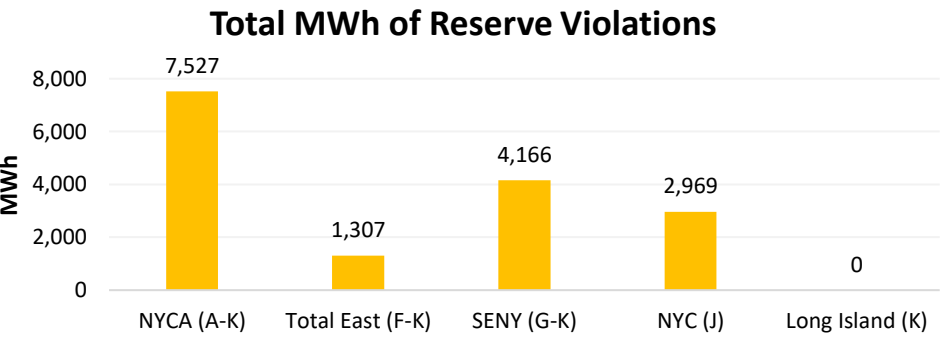
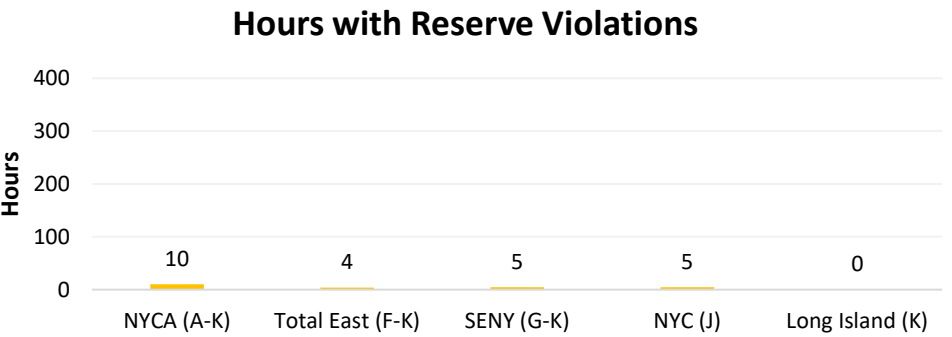
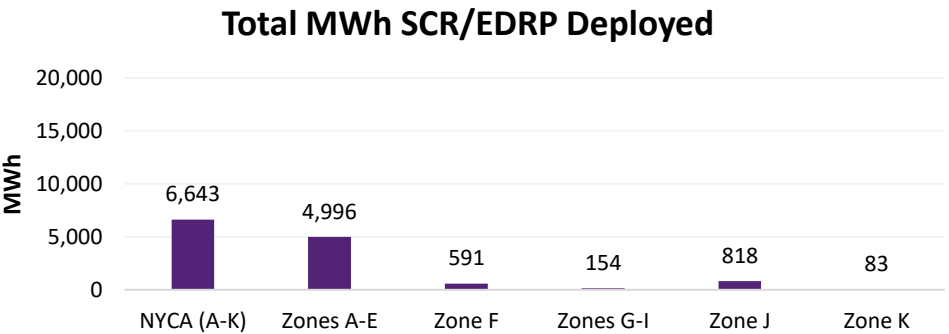
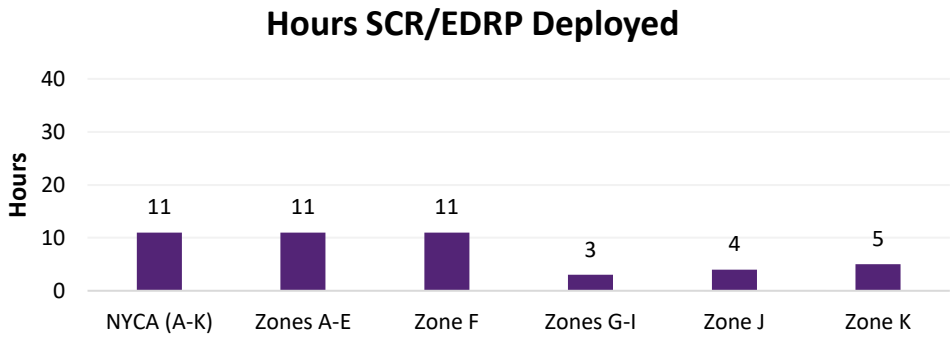
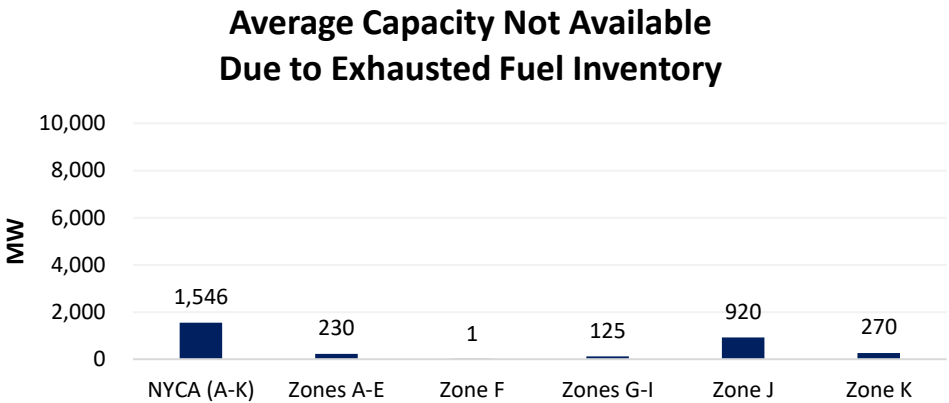
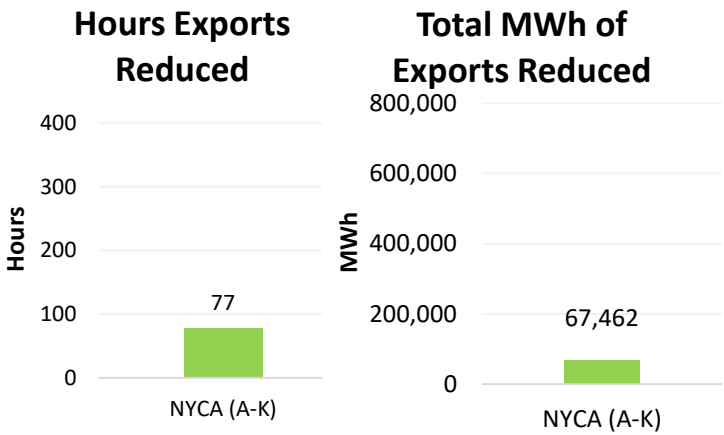
| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 10    |
| Total MWh             | 7,527 |
| Avg. MW               | 18.4  |
| First Hour with Viol. | 175   |

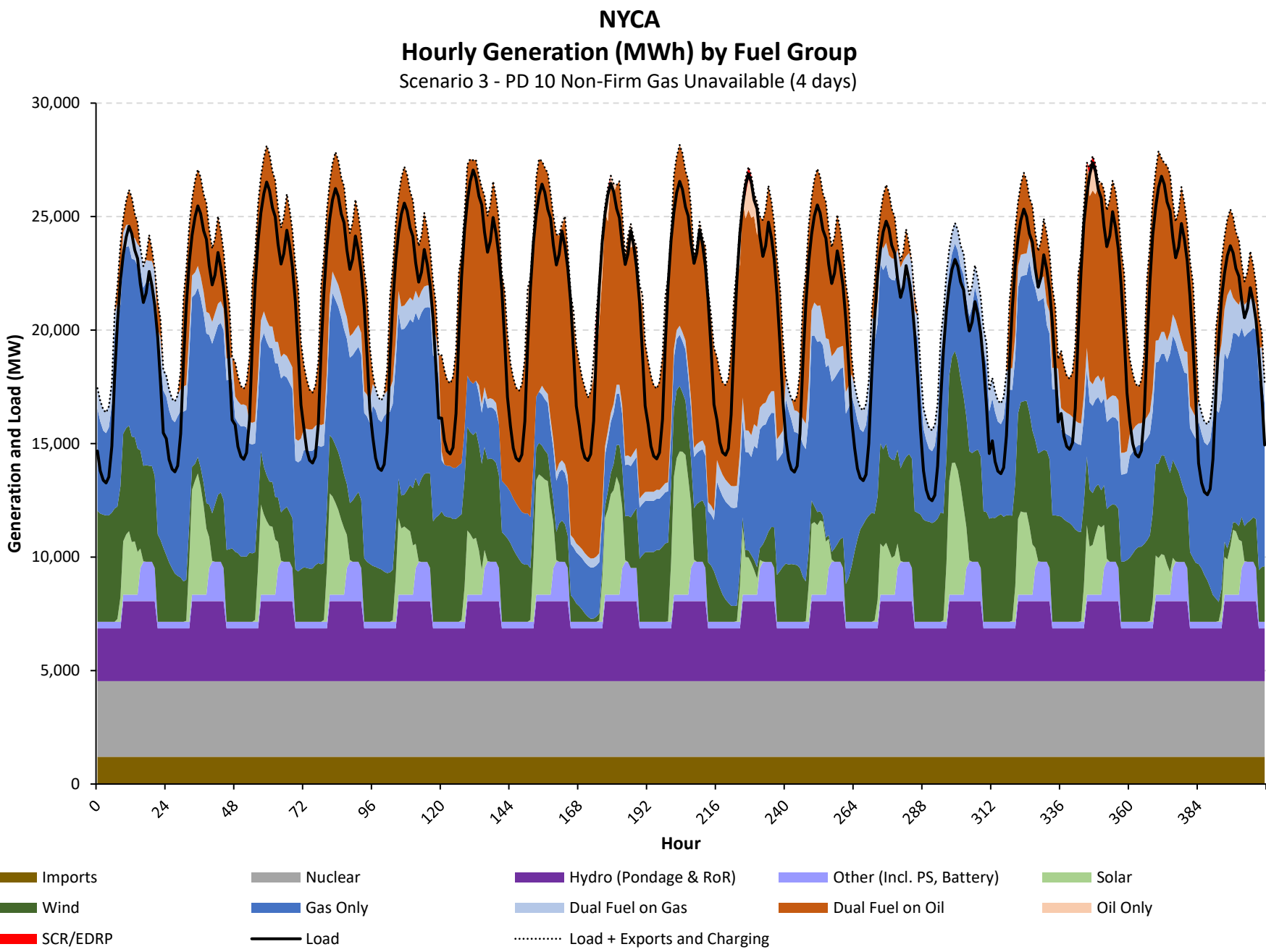
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

Full Period Results Summary

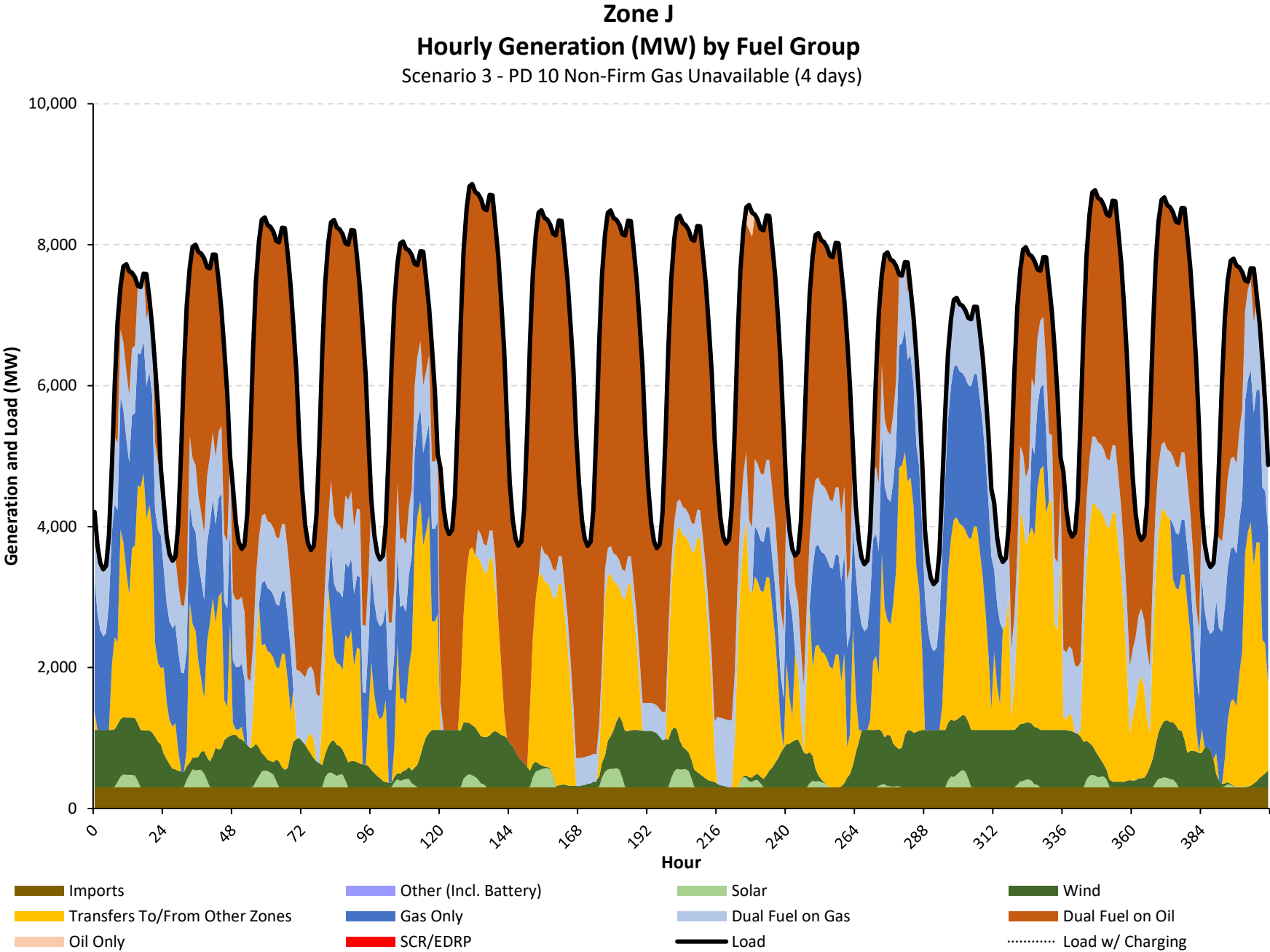
Case Name: Scenario 3 - PD 10 Non-Firm Gas Unavailable (4 days)

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | 3-4 days  |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

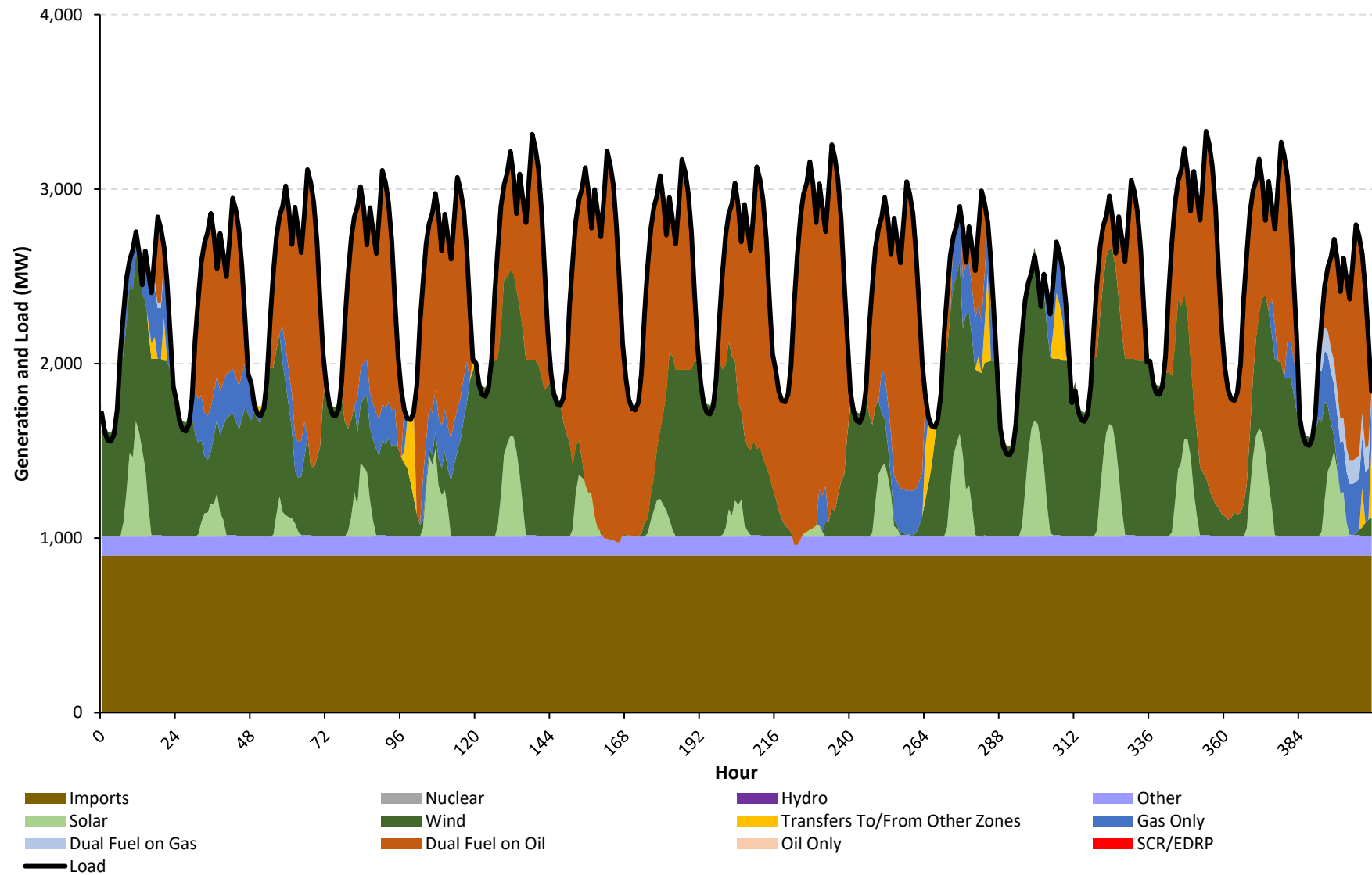


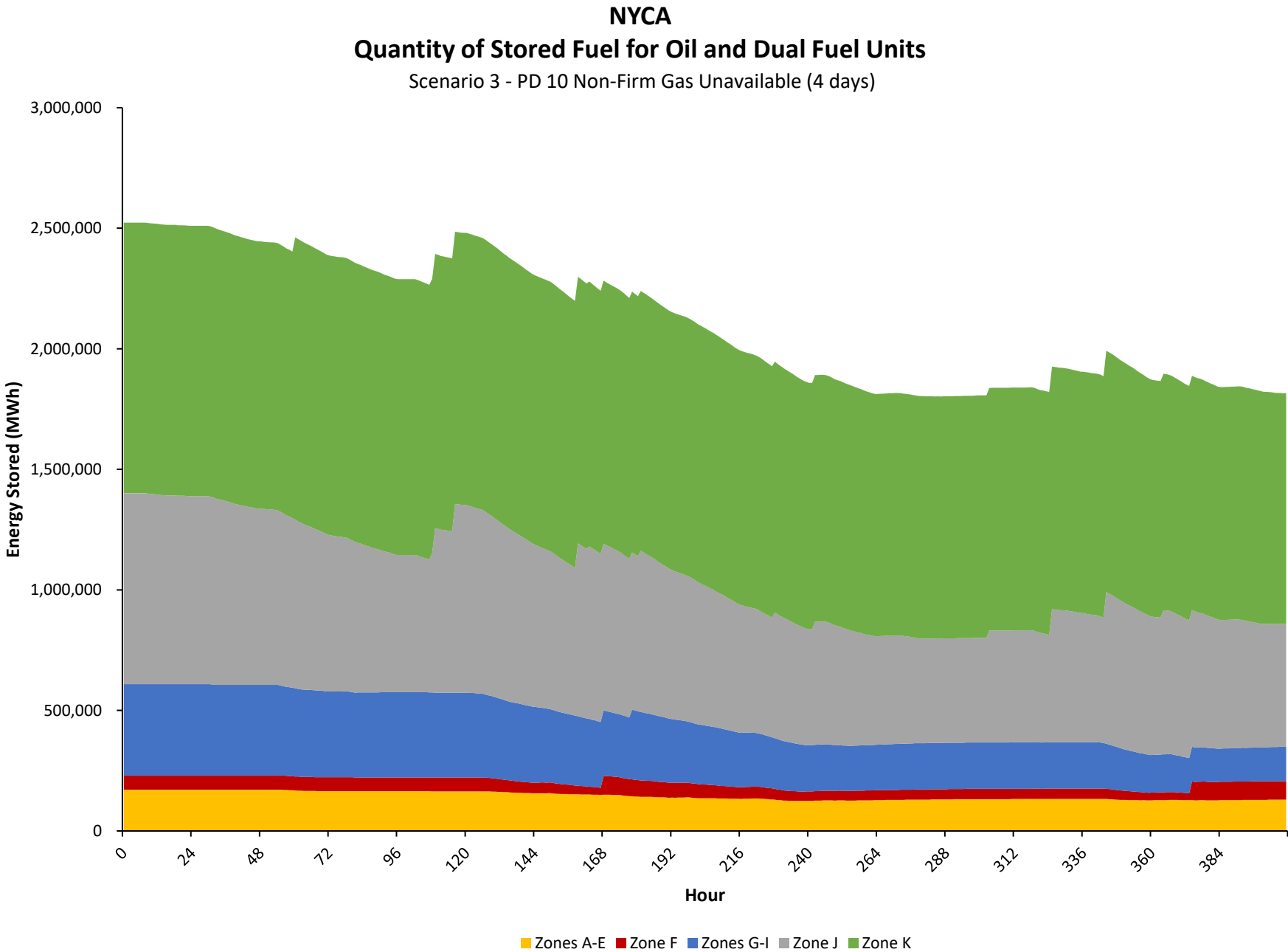


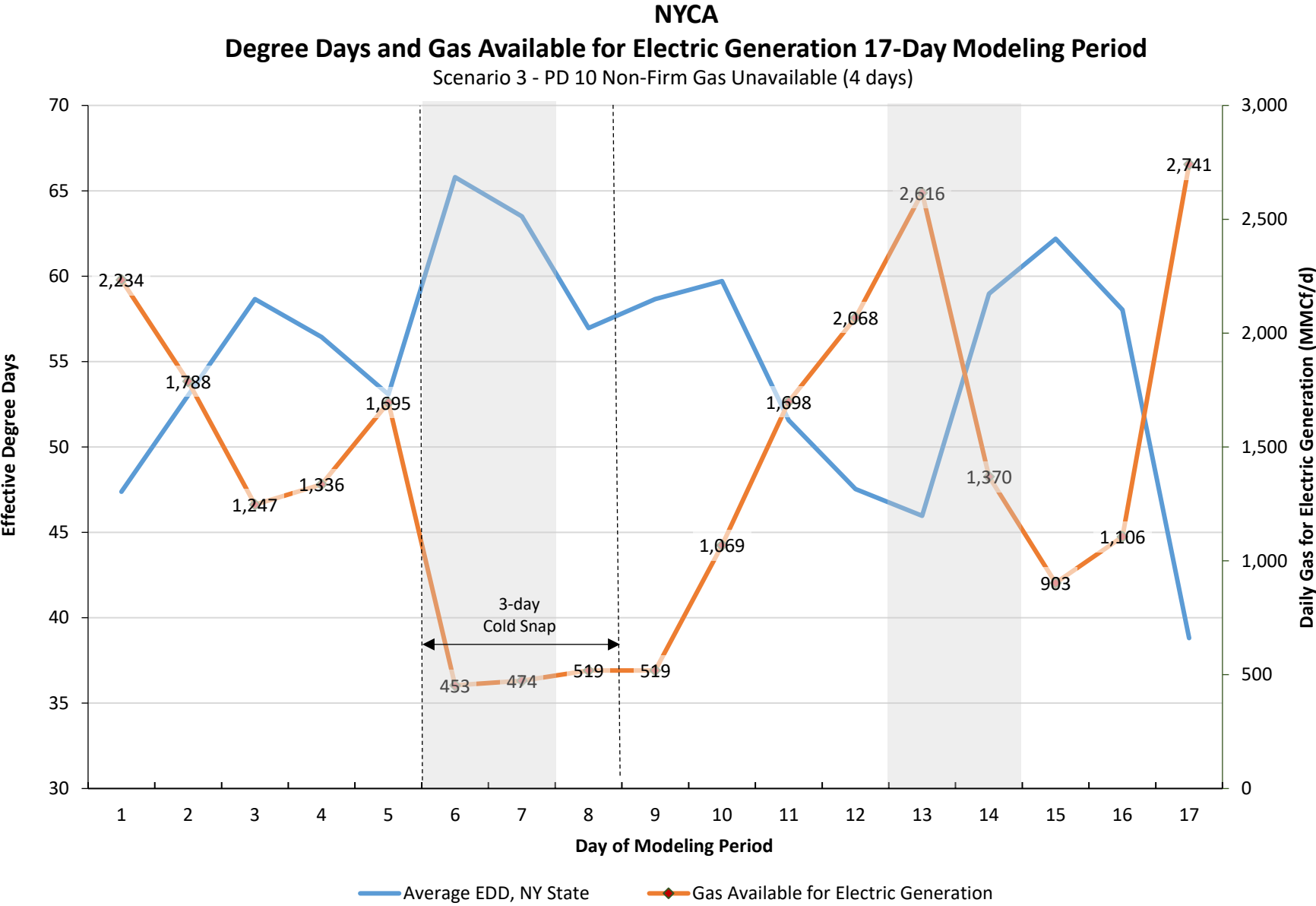




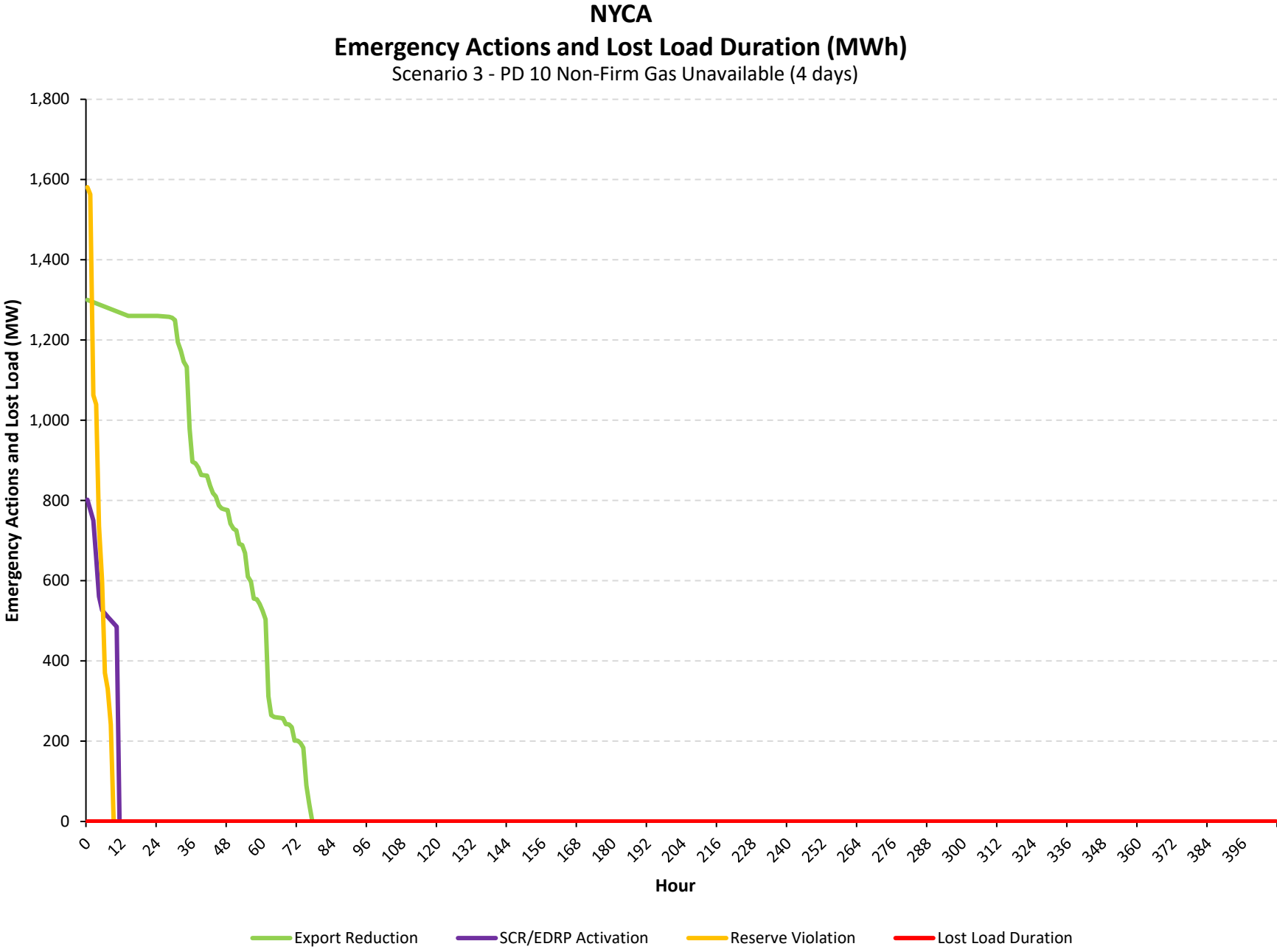
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 10 Non-Firm Gas Unavailable (4 days)

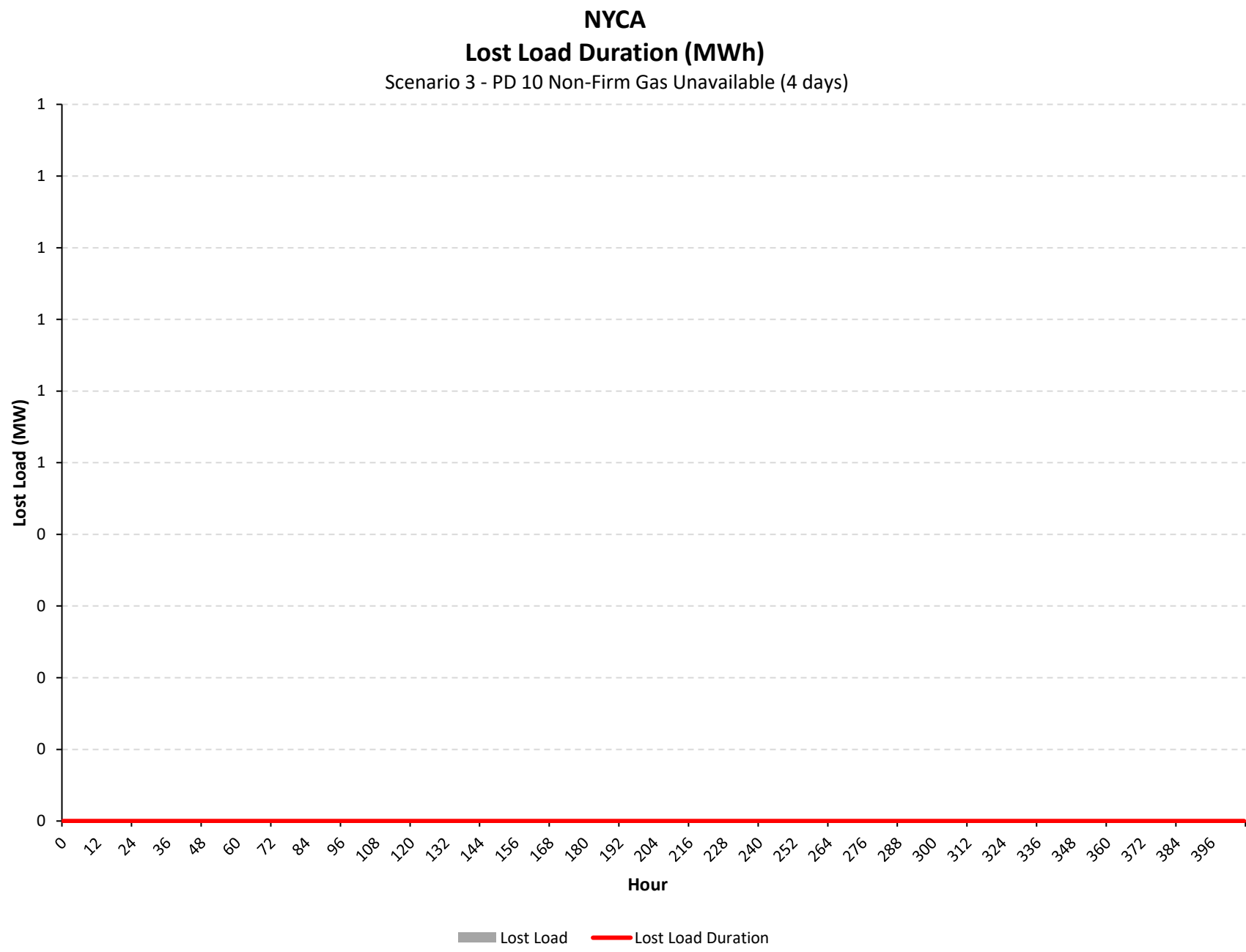






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



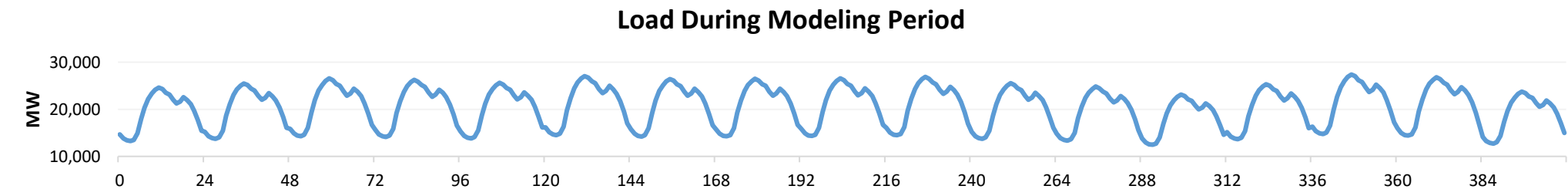


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

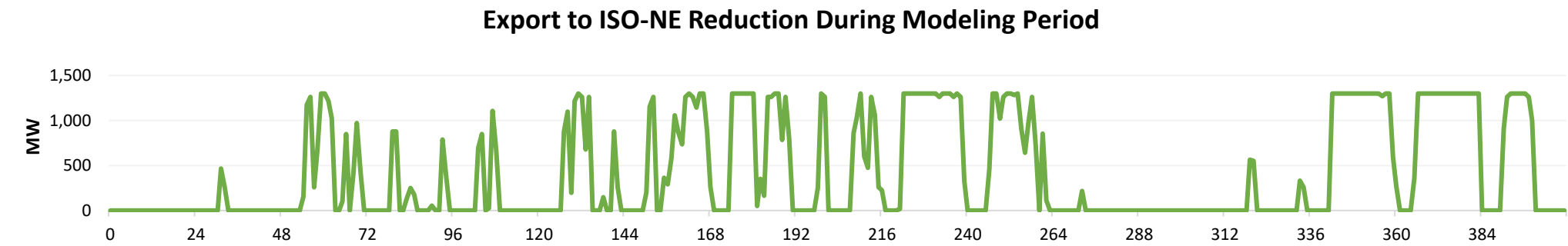
### **Case: Scenario 3 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

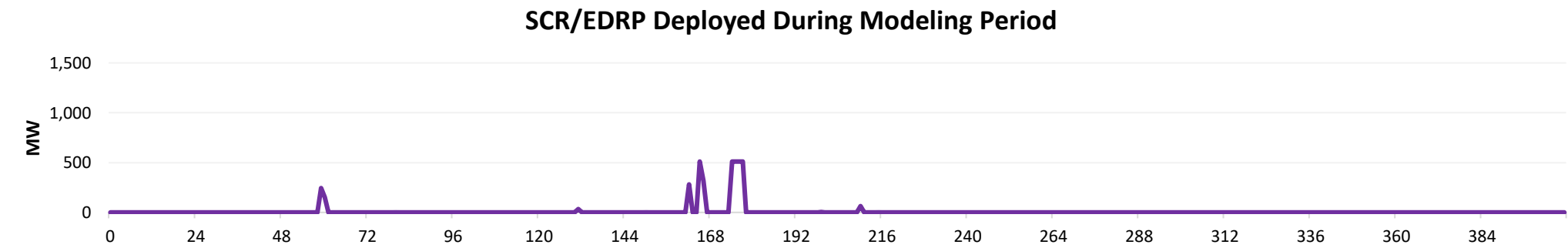
Case Name: Scenario 3 - PD 11 Combination Disruption



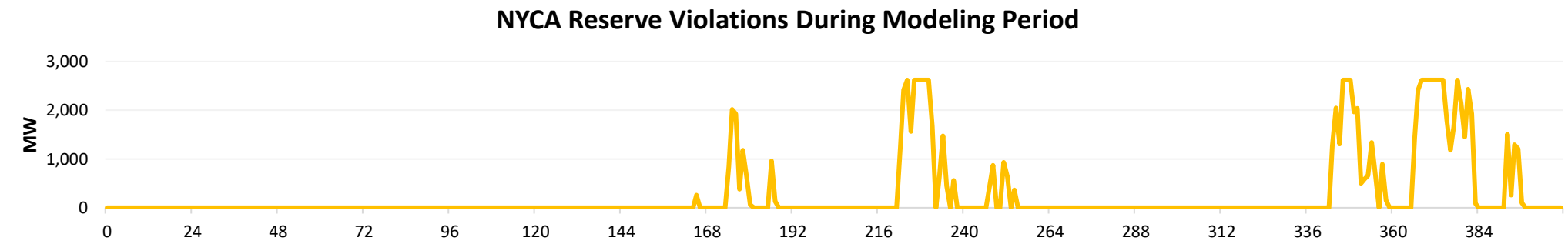
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Reduced   |
| Loss of Gas Fired Gen.   | Reduced   |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |



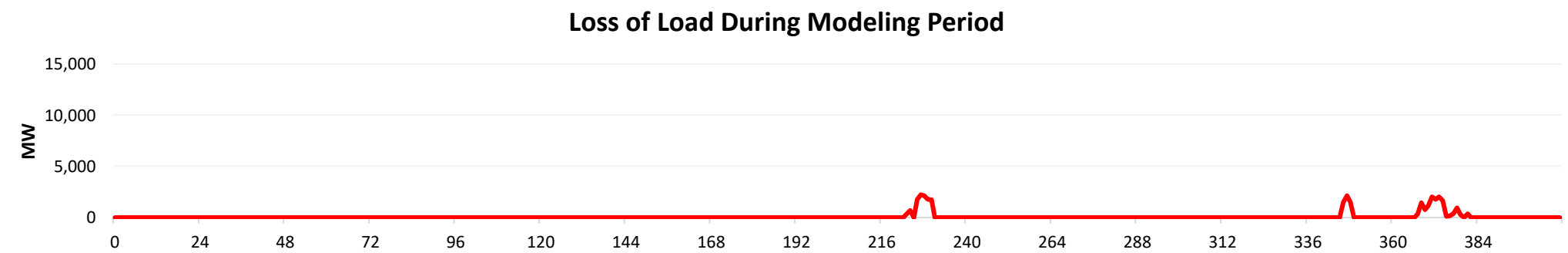
| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 173     |
| Total MWh         | 168,515 |
| Avg. MW           | 413.0   |



| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 3,645 |
| Avg. MW        | 8.9   |



| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 68      |
| Total MWh             | 100,468 |
| Avg. MW               | 246.2   |
| First Hour with Viol. | 165     |



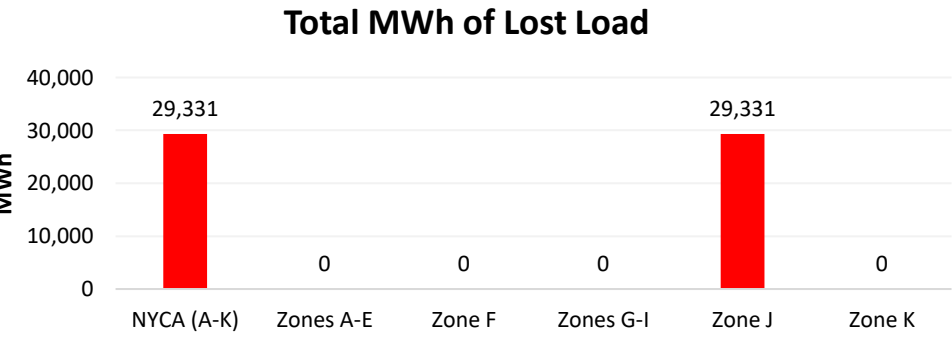
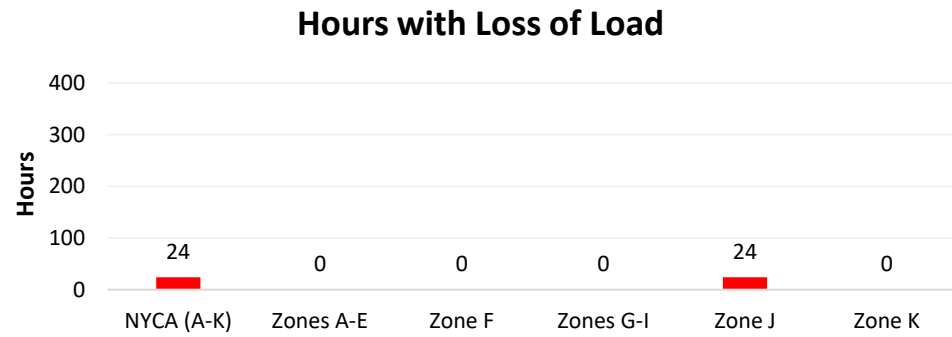
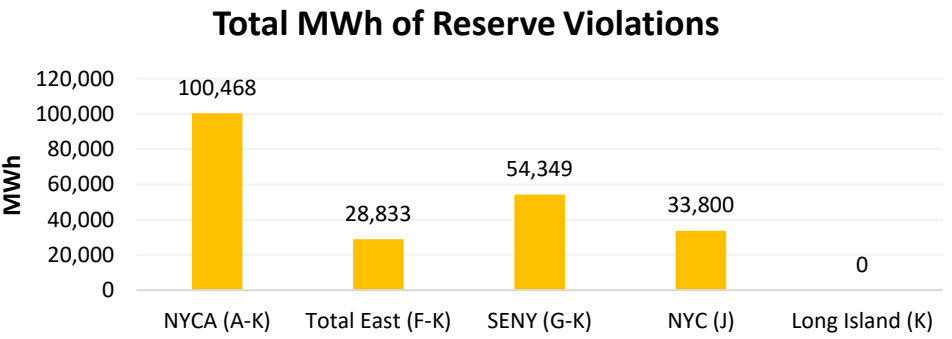
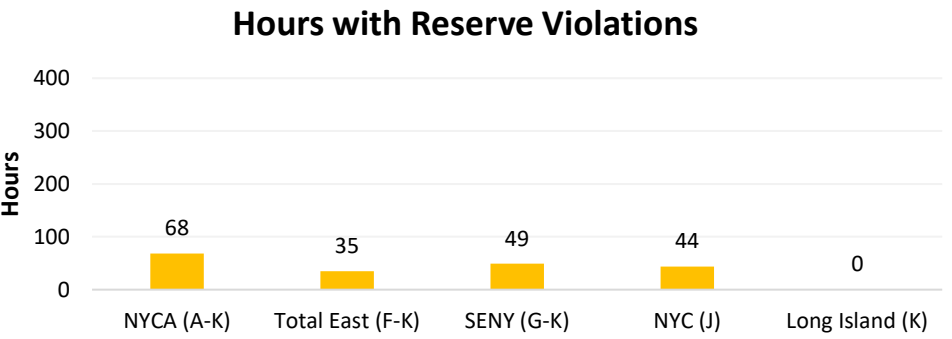
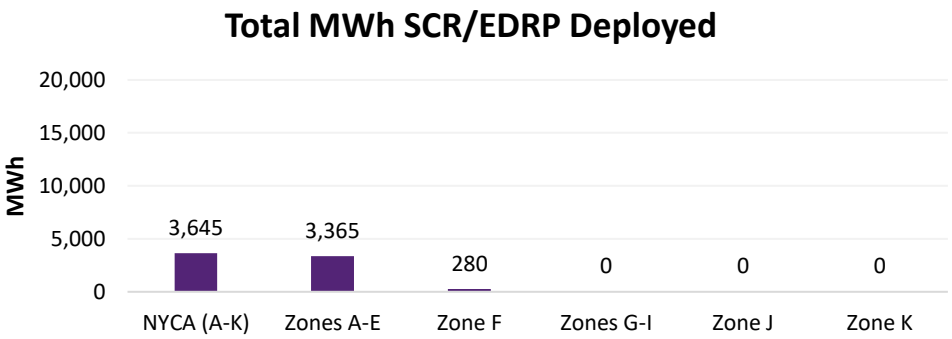
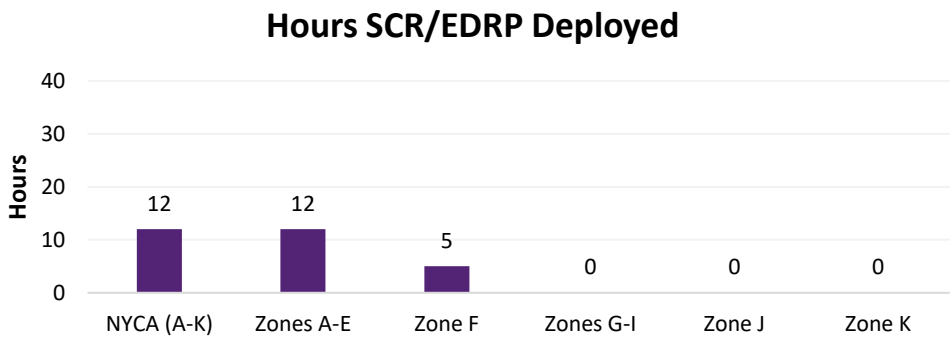
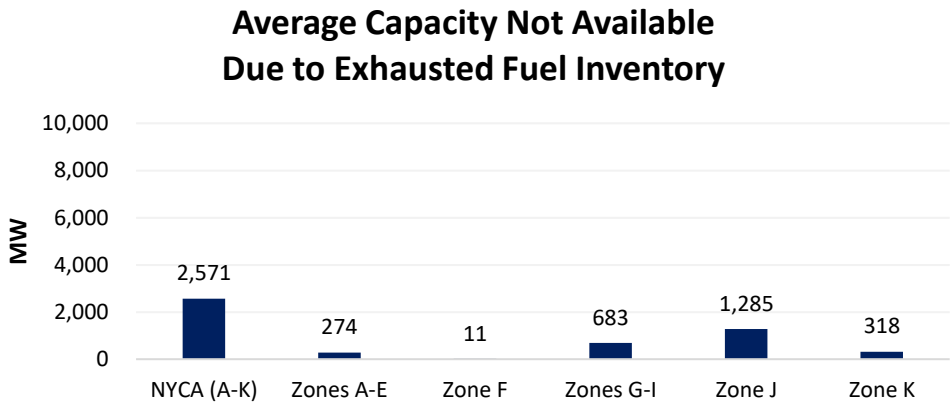
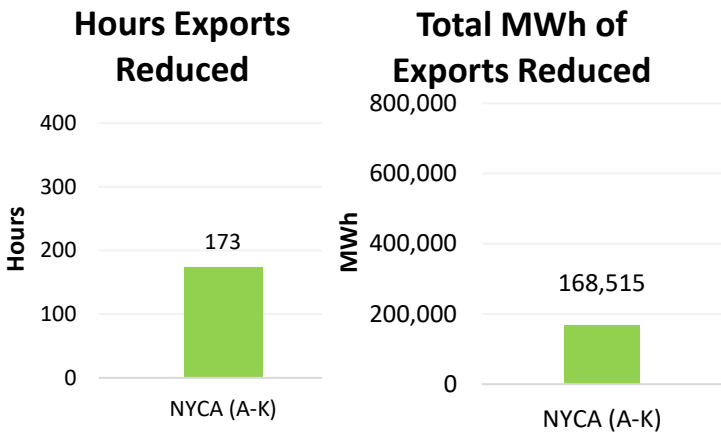
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 24     |
| Total MWh              | 29,331 |
| Avg. MW                | 71.9   |
| First Hour with Losses | 223    |

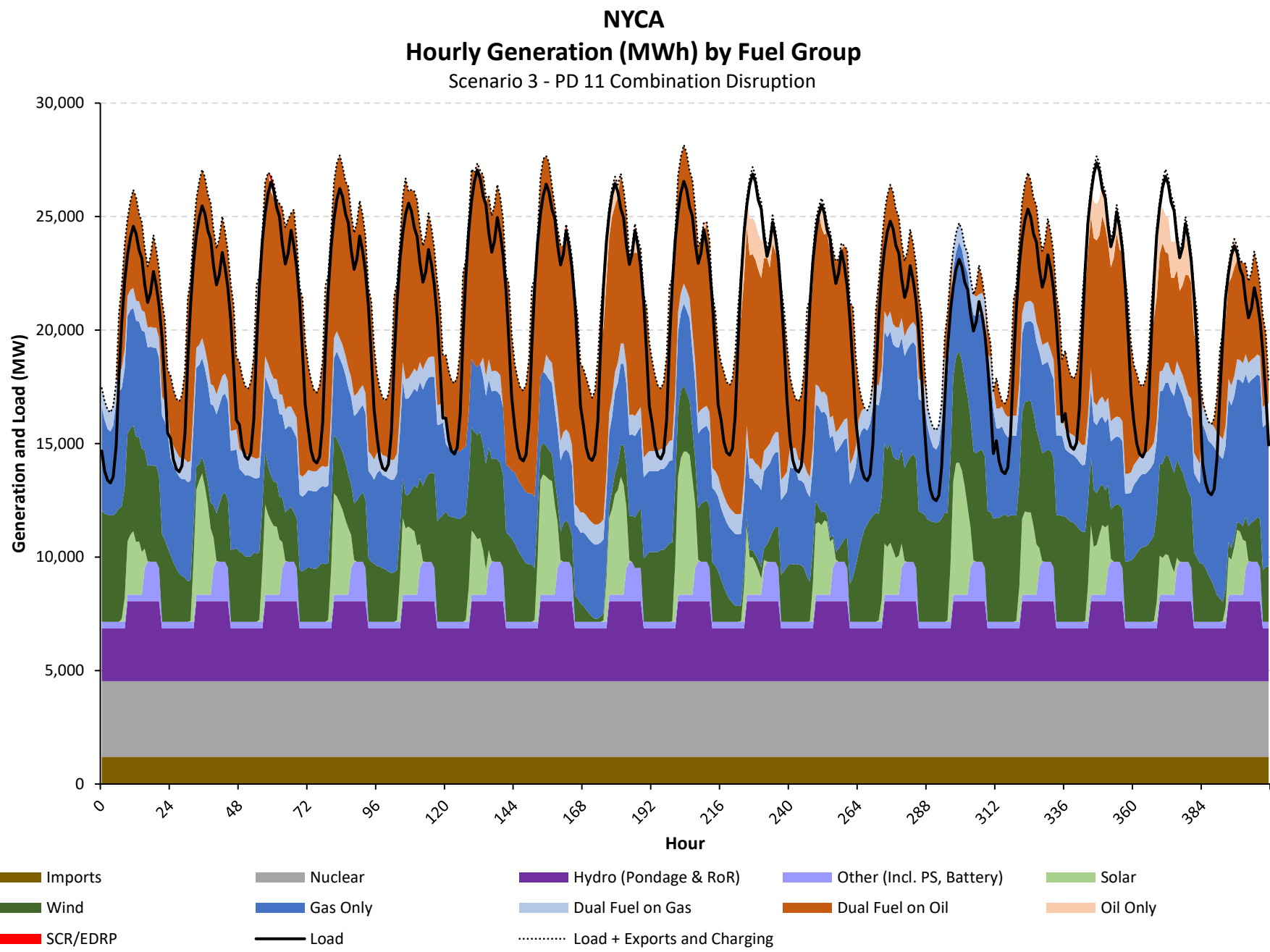


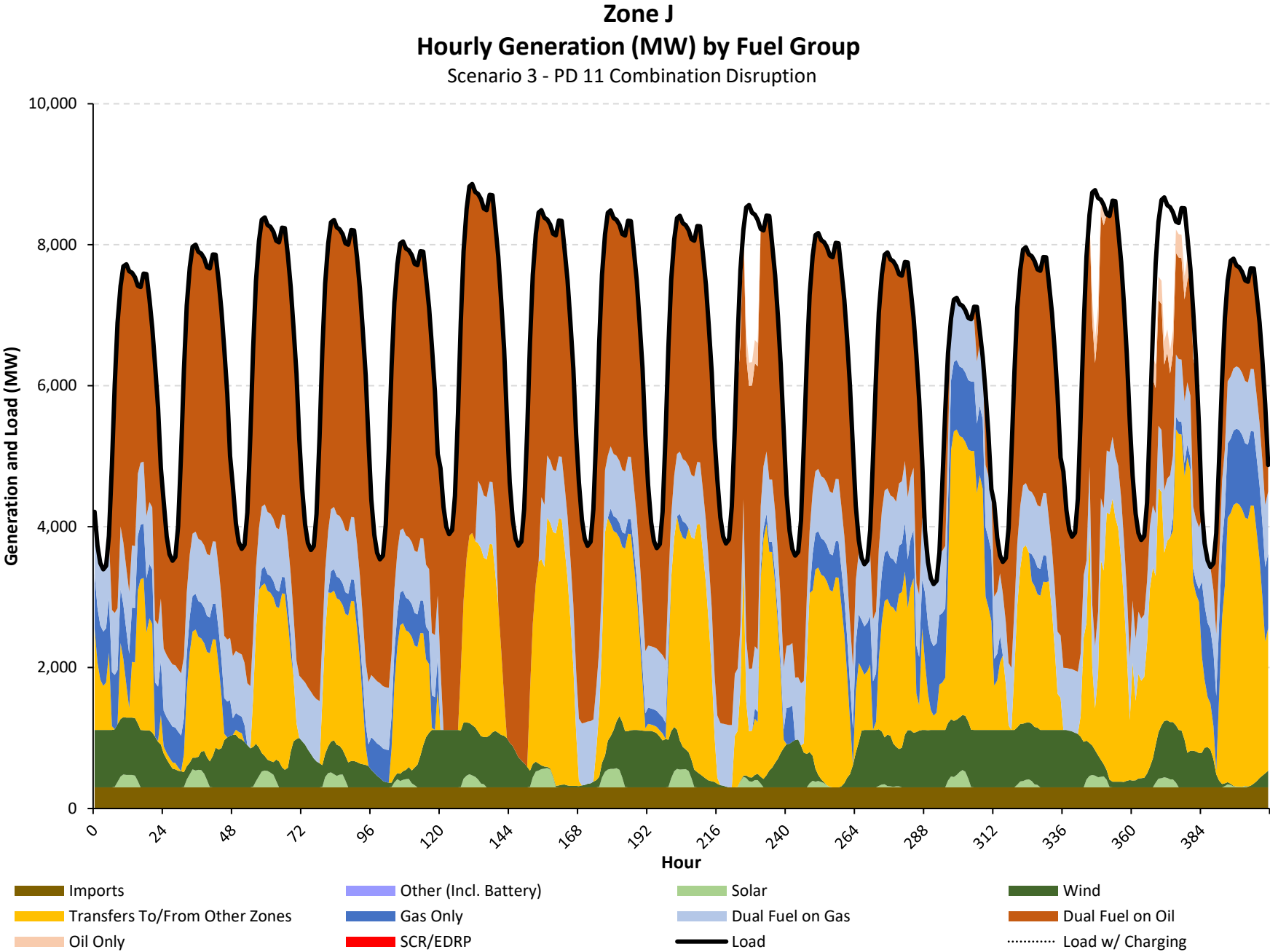
Full Period Results Summary

Case Name: Scenario 3 - PD 11 Combination Disruption

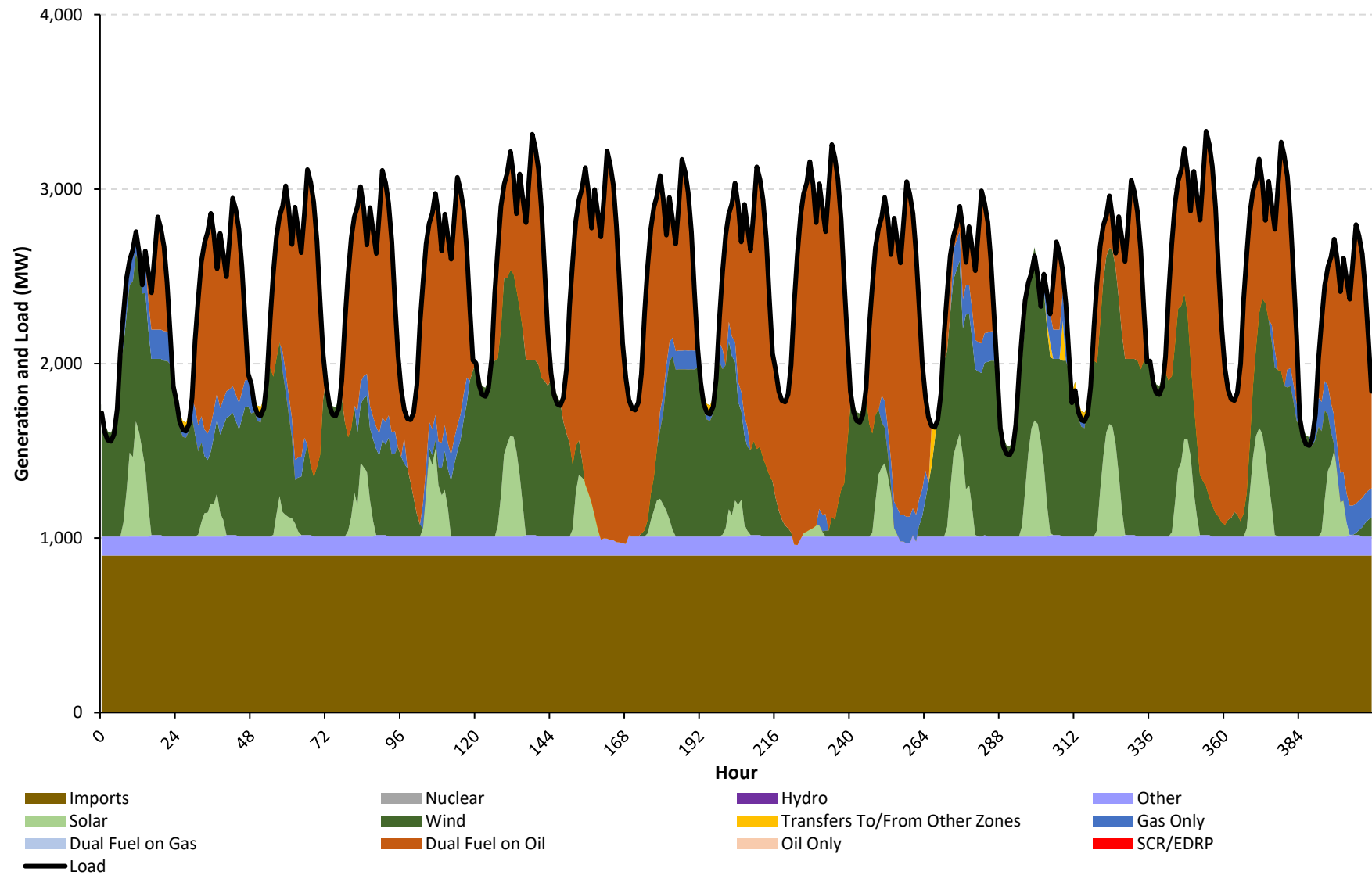
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Reduced   |
| Loss of Gas Fired Gen.   | Reduced   |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |



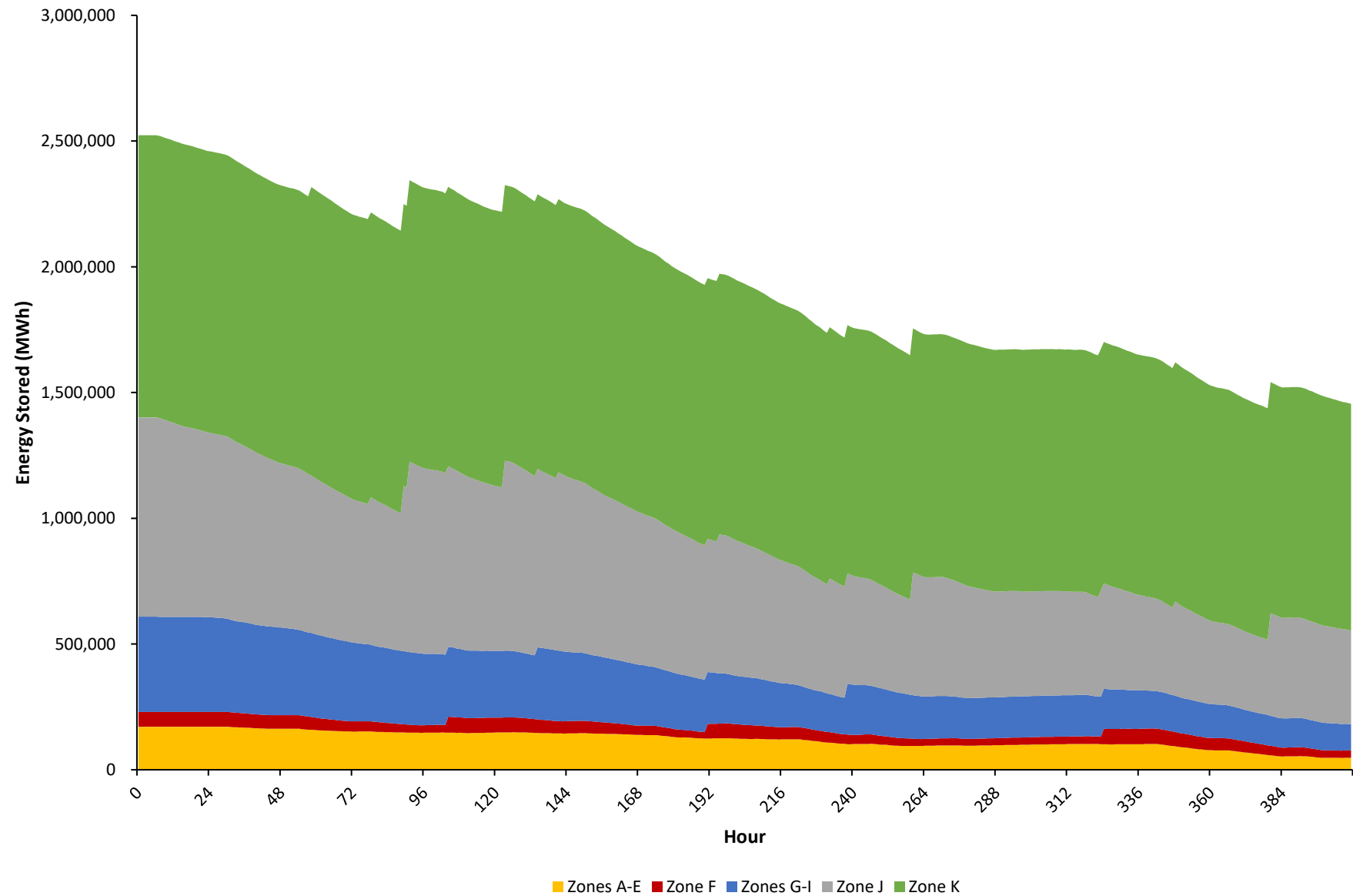


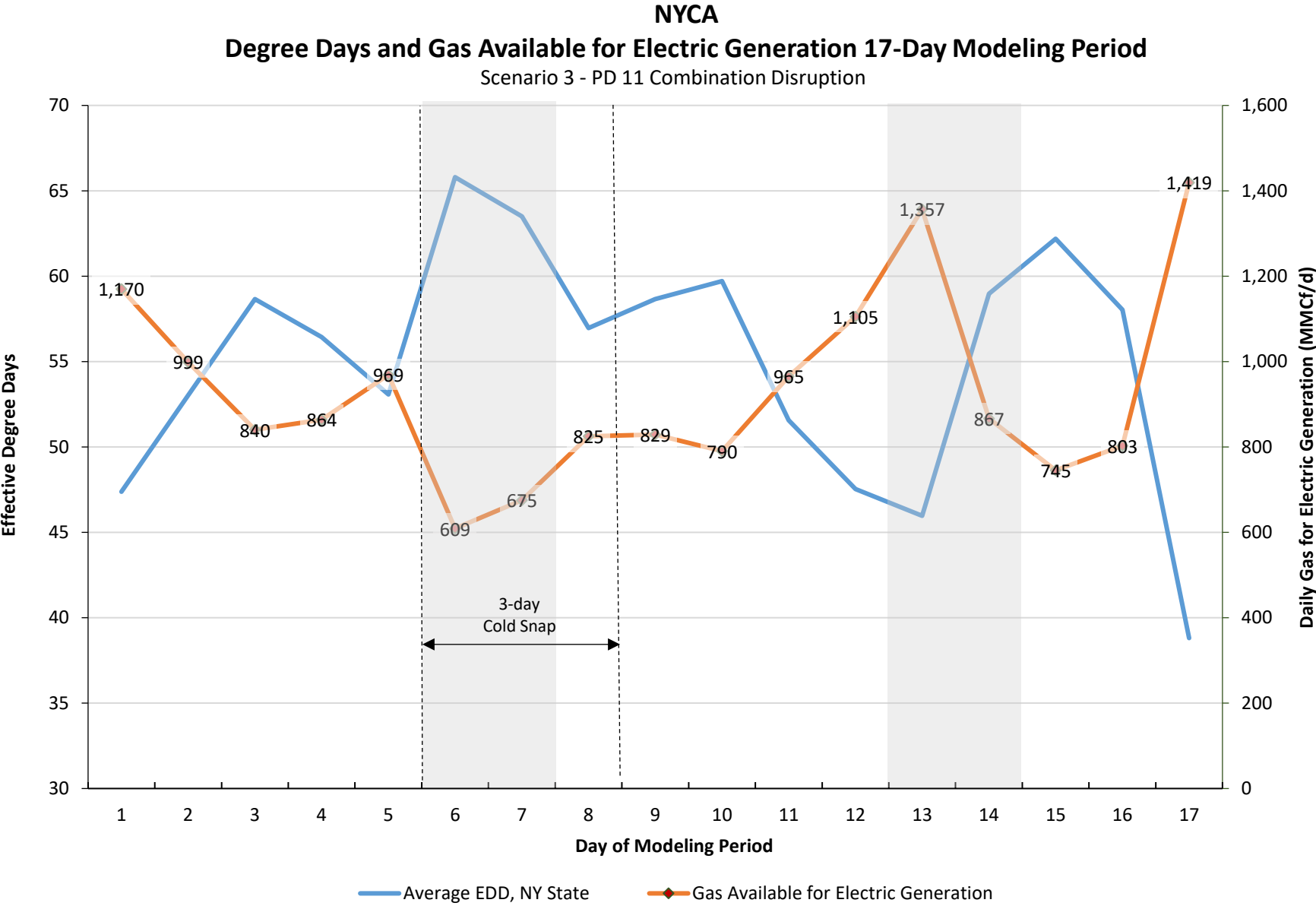


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 3 - PD 11 Combination Disruption

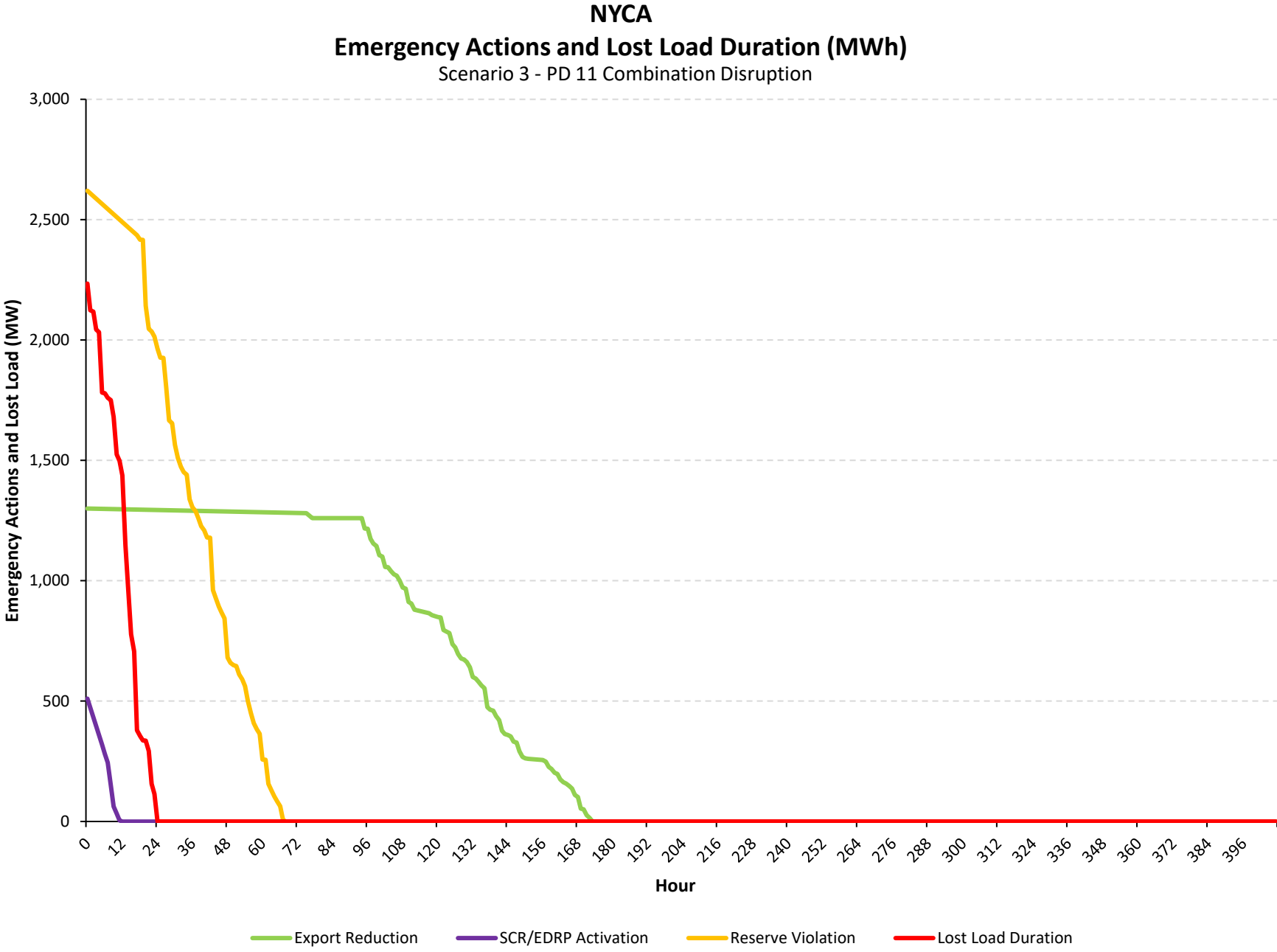


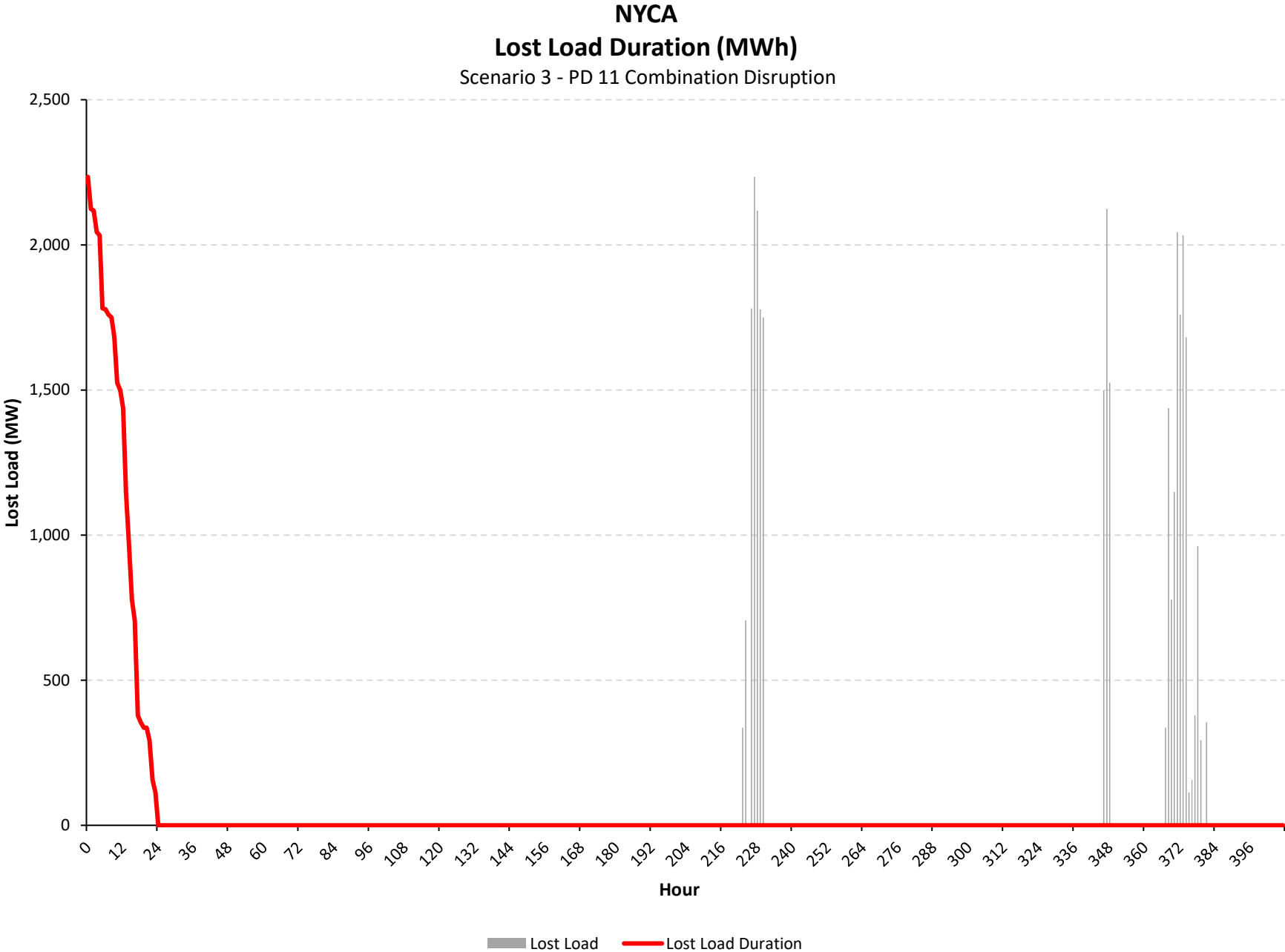
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 3 - PD 11 Combination Disruption





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





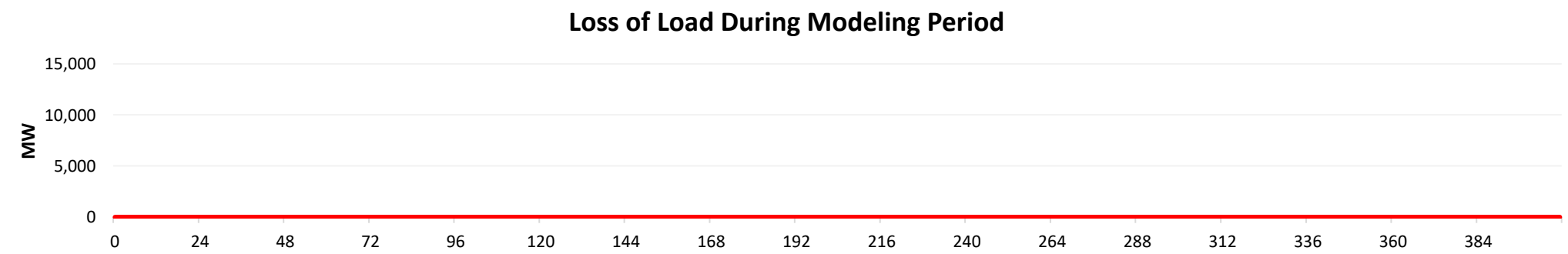
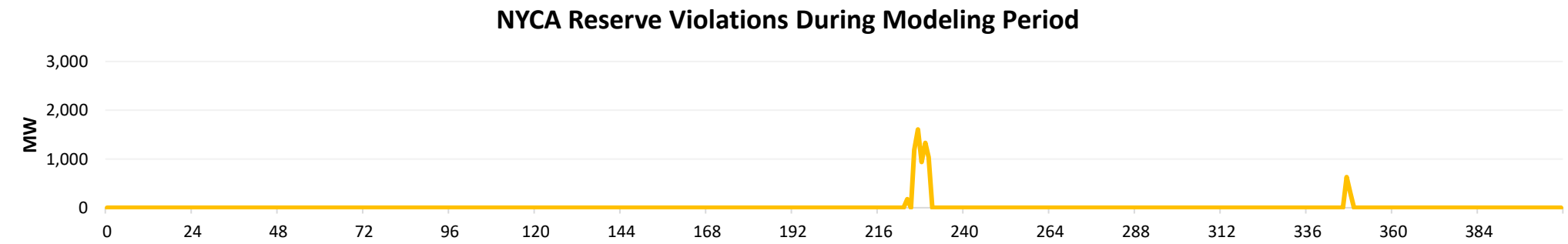
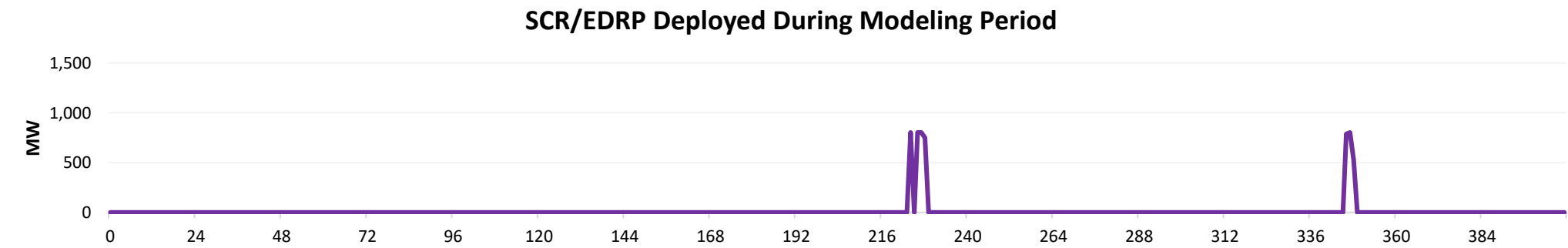
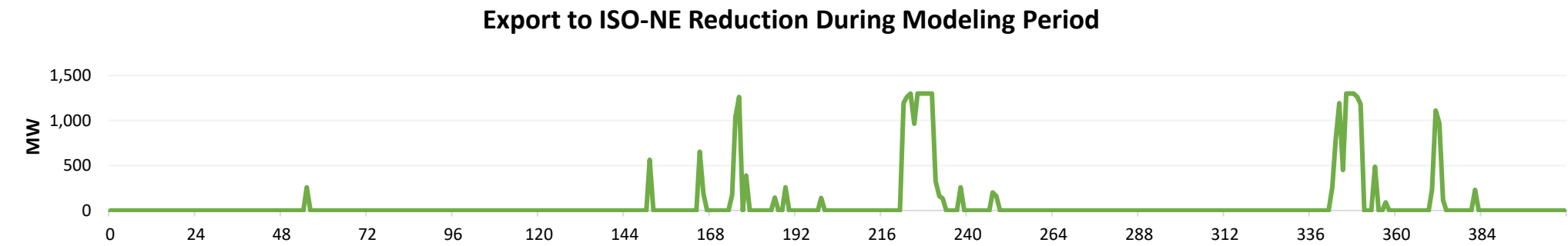
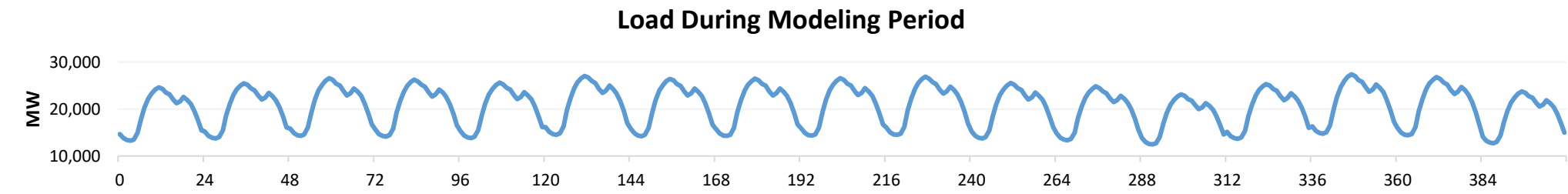


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 1 No Disruptions



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 42     |
| Total MWh         | 29,781 |
| Avg. MW           | 73.0   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 7     |
| Total MWh      | 5,271 |
| Avg. MW        | 12.9  |

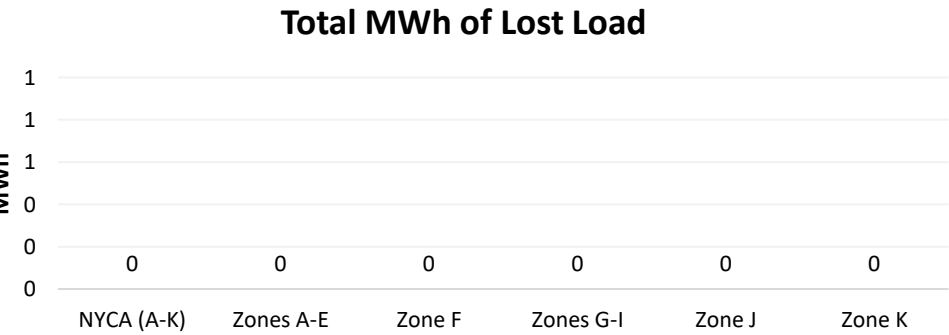
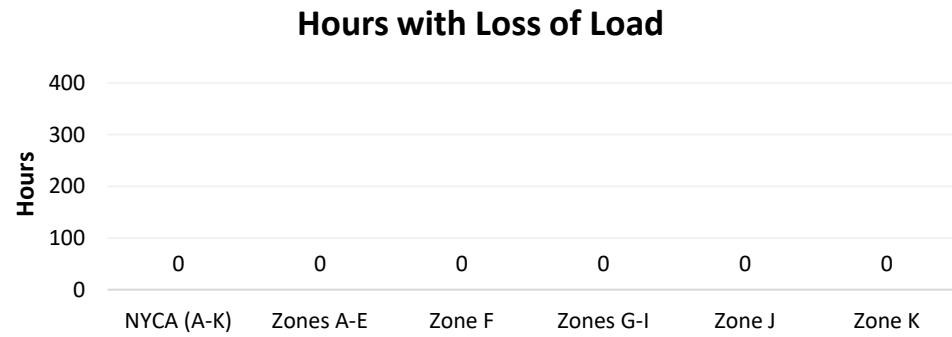
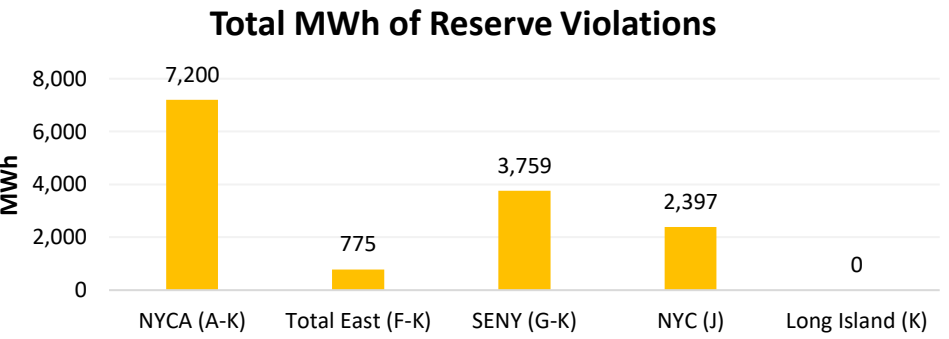
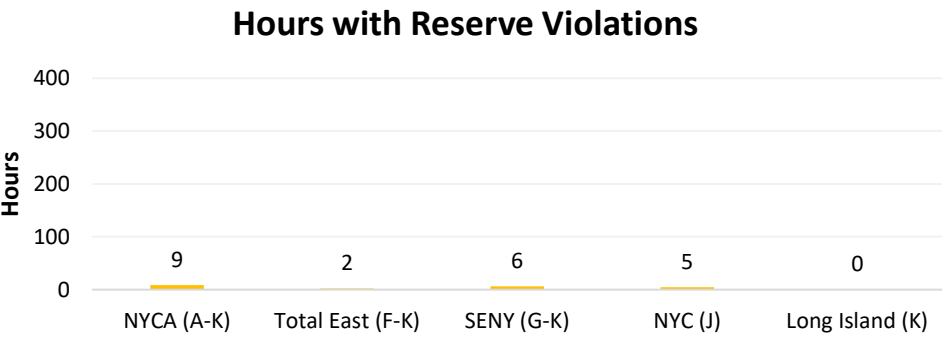
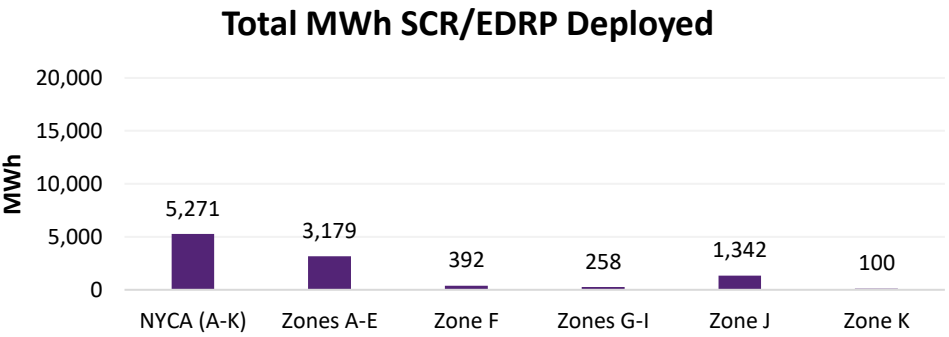
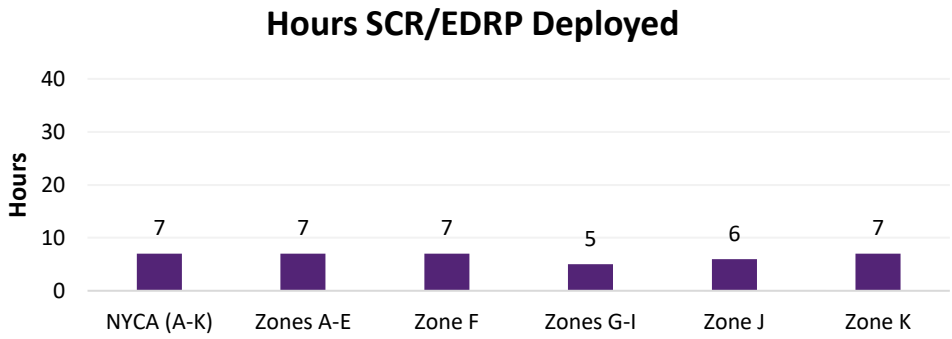
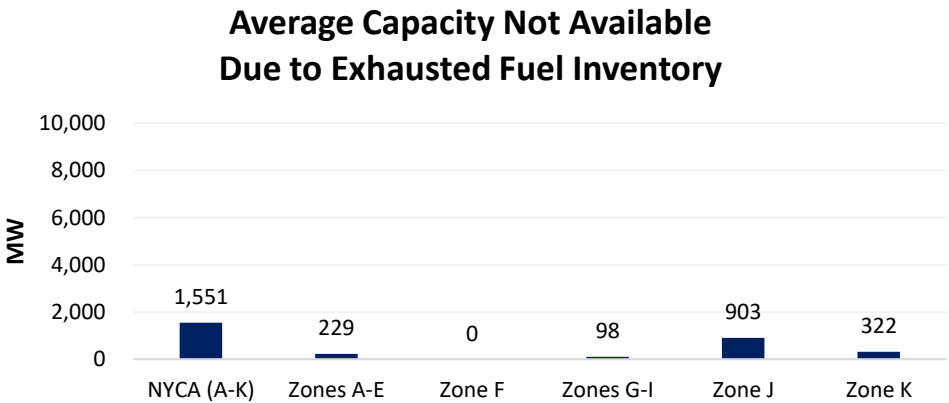
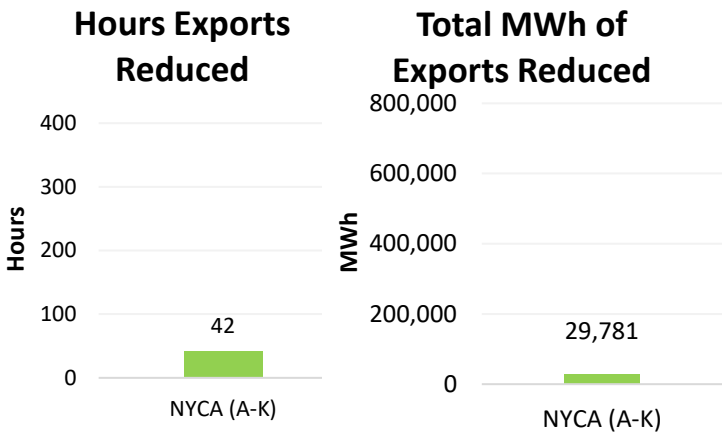
| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 9     |
| Total MWh             | 7,200 |
| Avg. MW               | 17.6  |
| First Hour with Viol. | 224   |

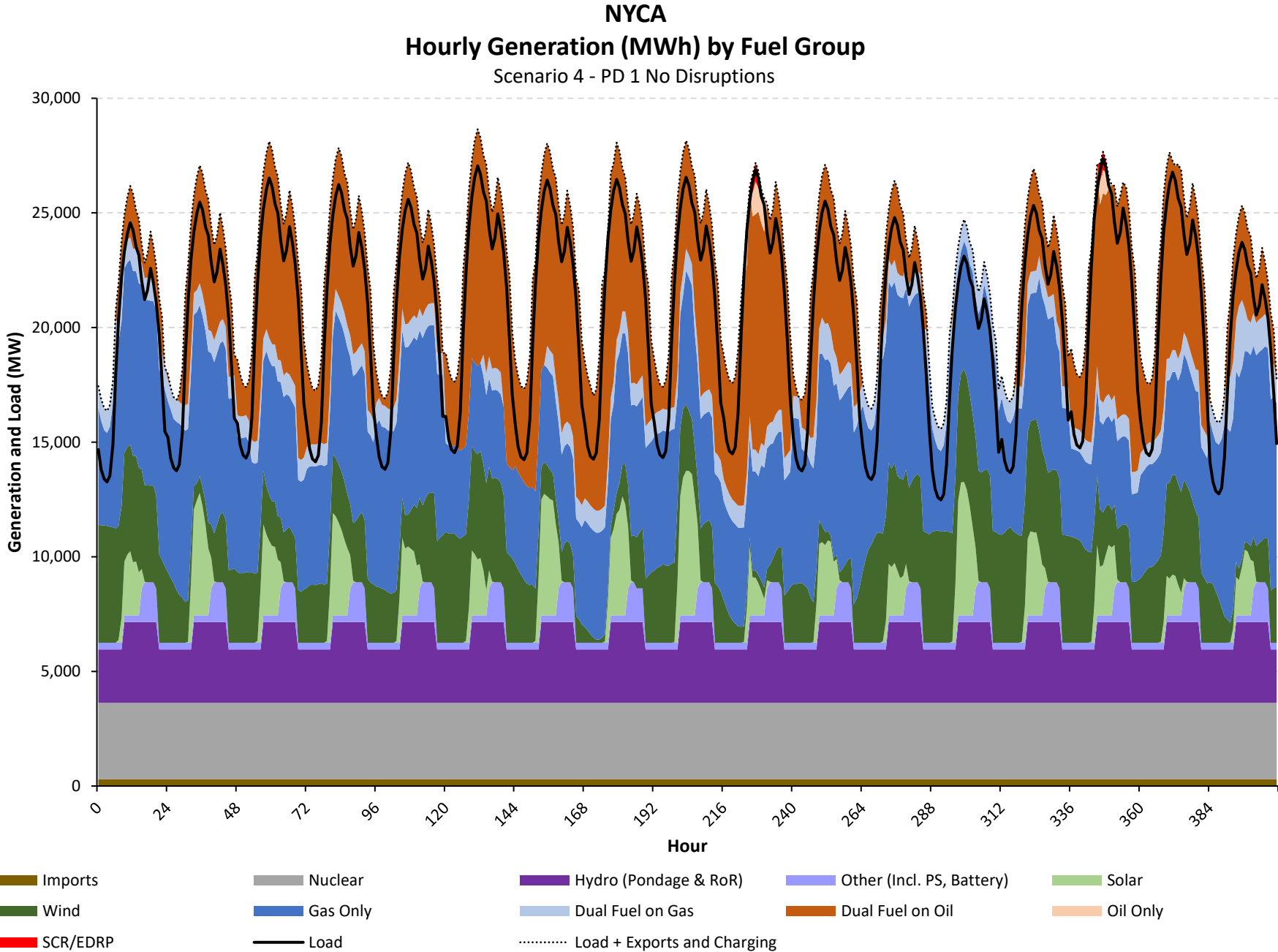
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

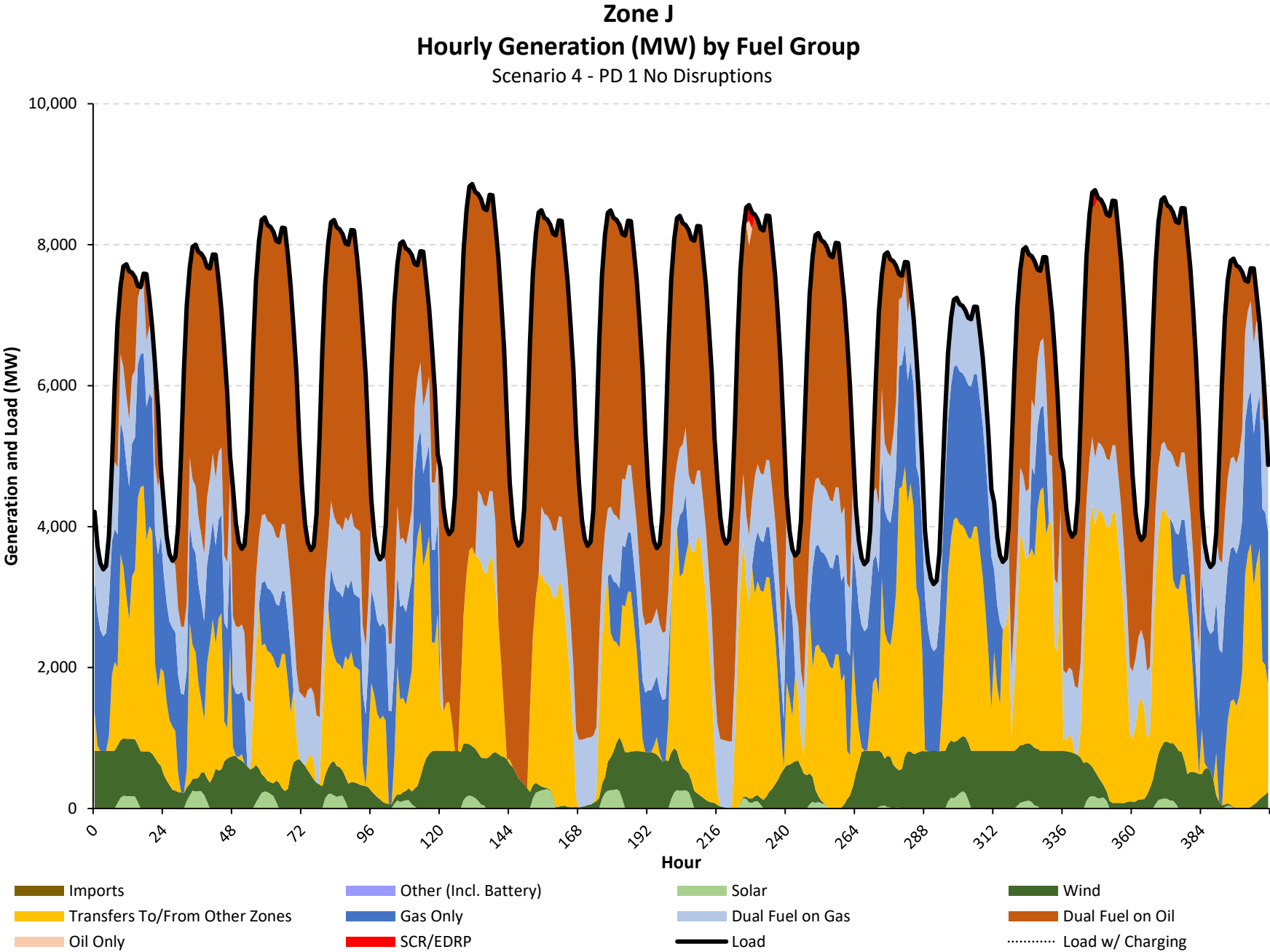
Full Period Results Summary

Case Name: Scenario 4 - PD 1 No Disruptions

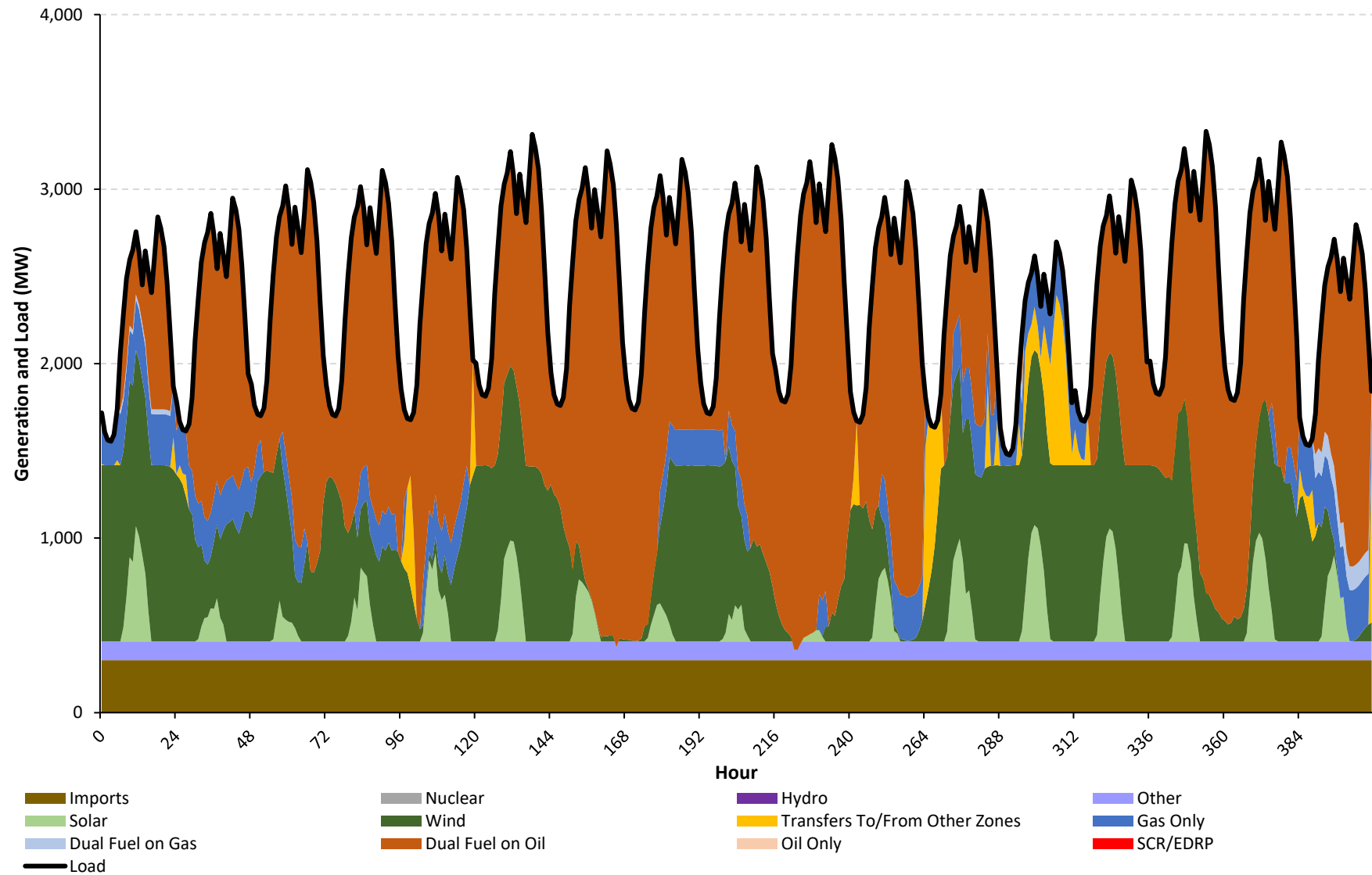
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |



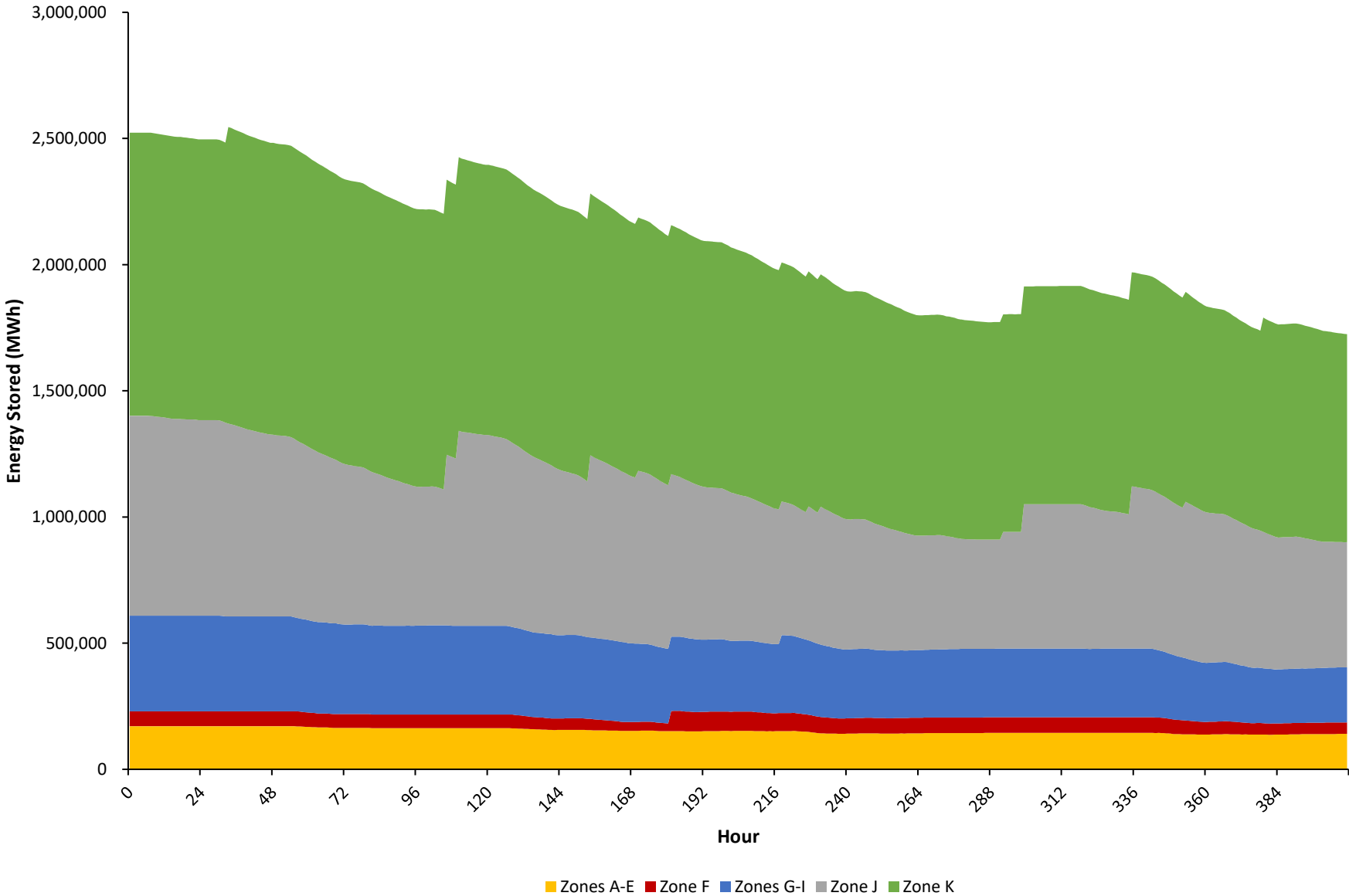


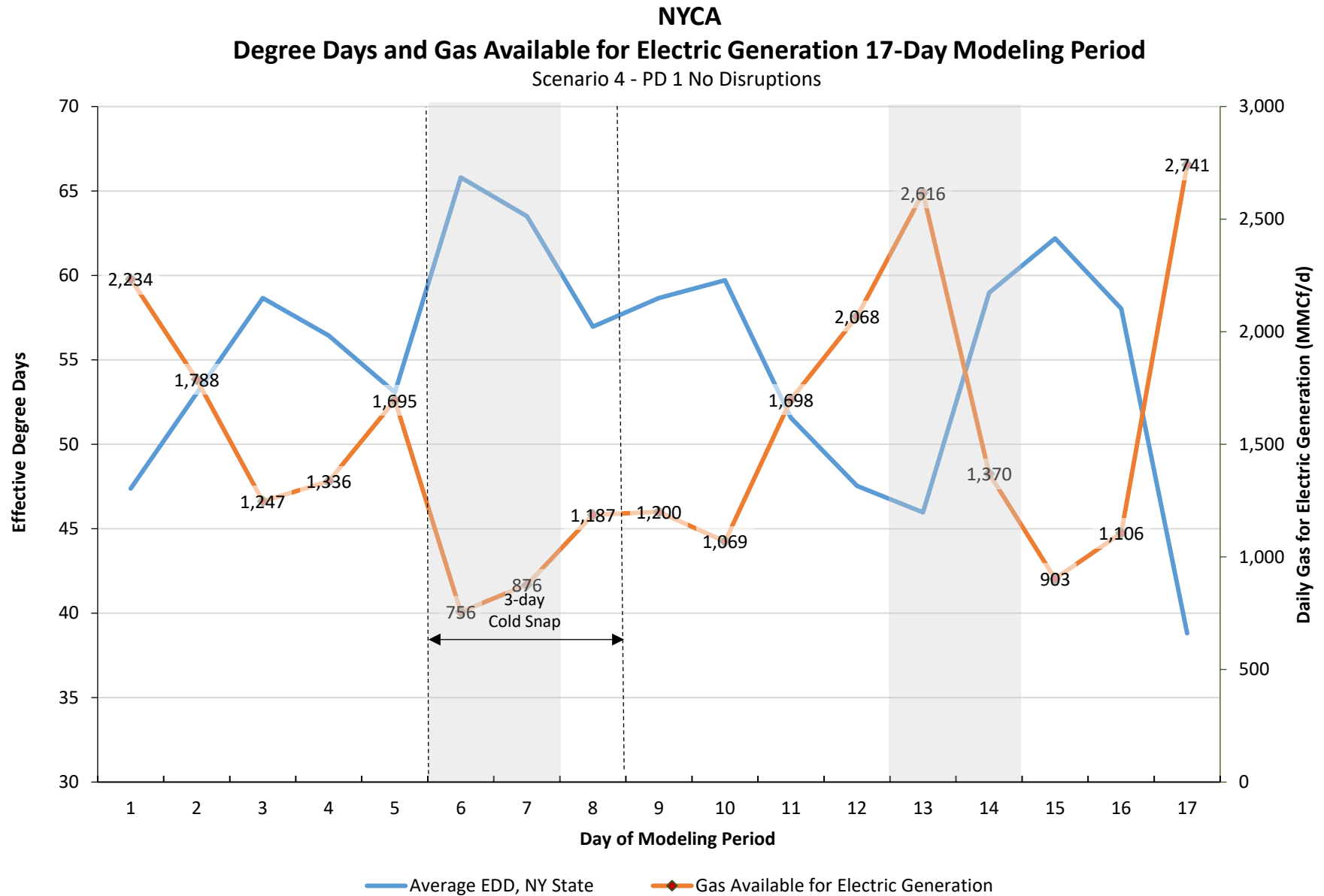


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 4 - PD 1 No Disruptions



**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 4 - PD 1 No Disruptions

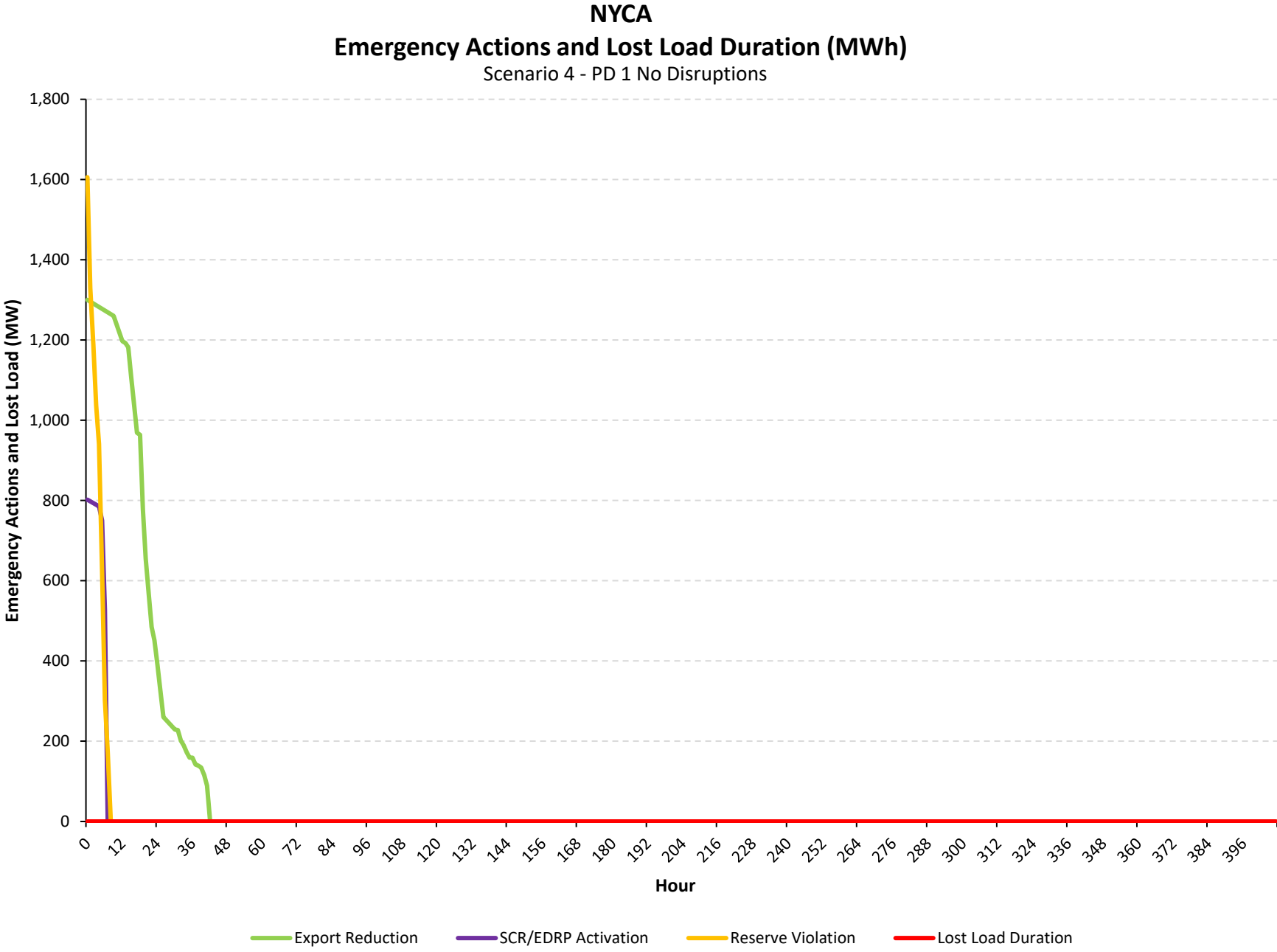


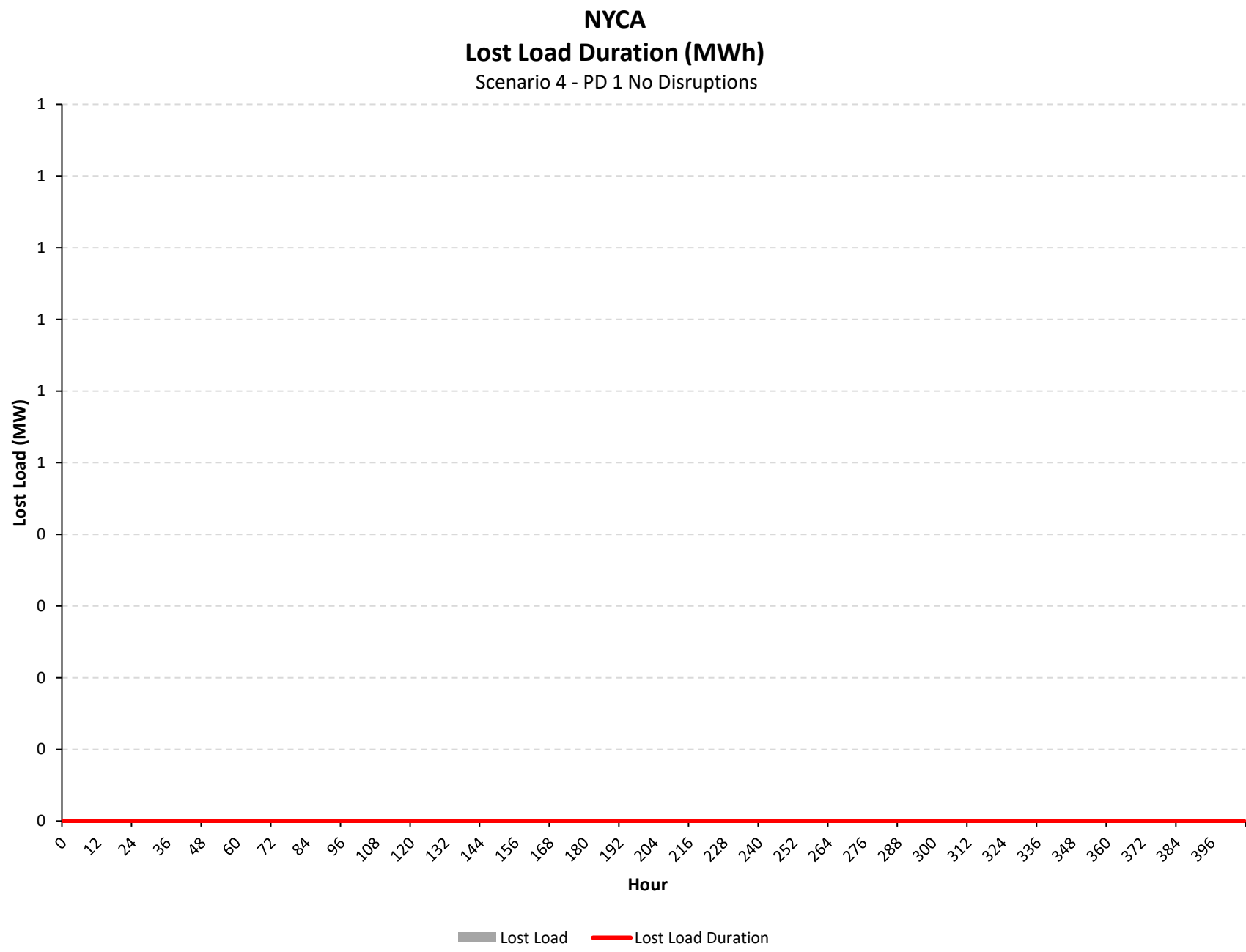


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





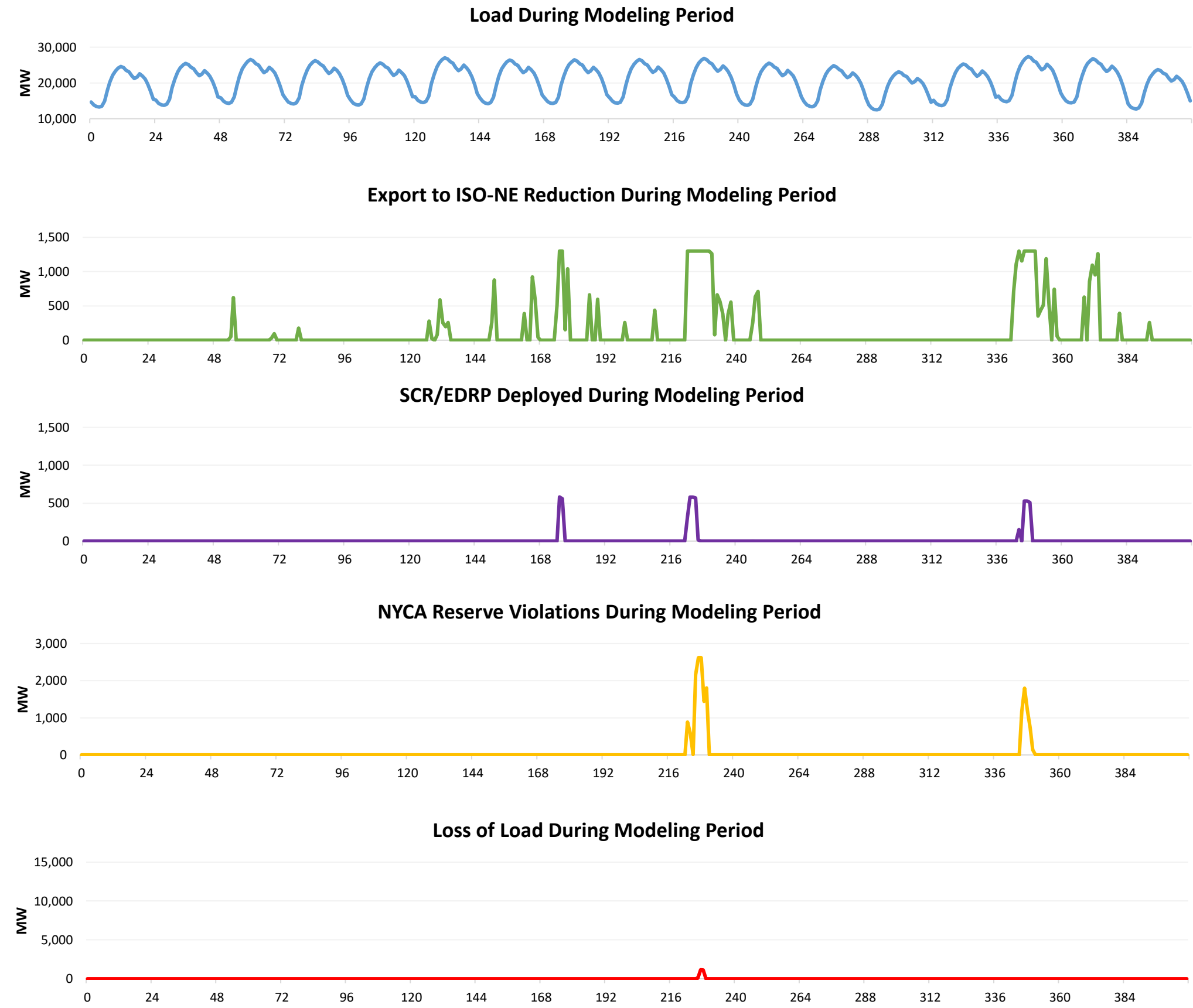


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 2 High Outage



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 69     |
| Total MWh         | 49,232 |
| Avg. MW           | 120.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 11    |
| Total MWh      | 4,922 |
| Avg. MW        | 12.1  |

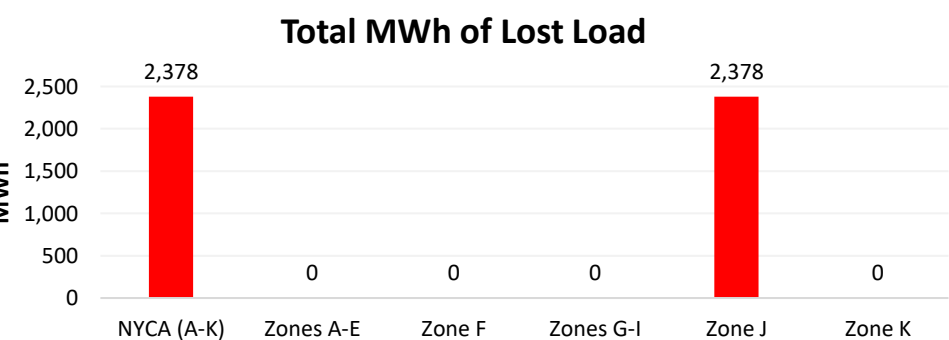
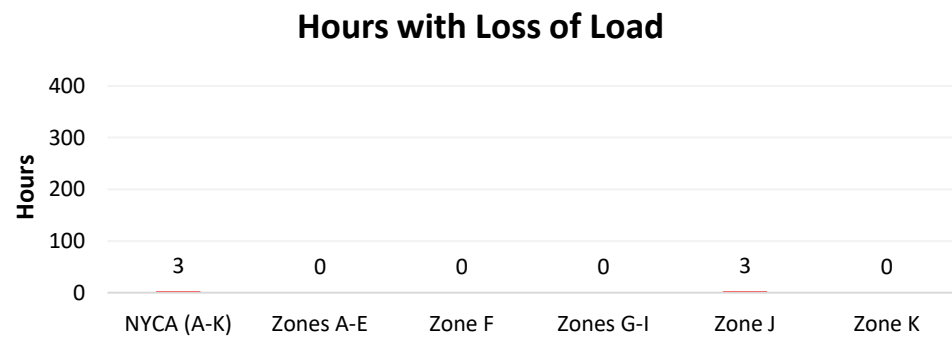
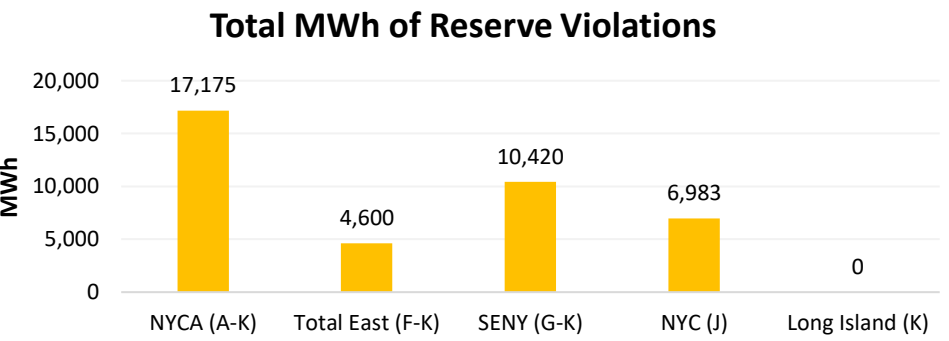
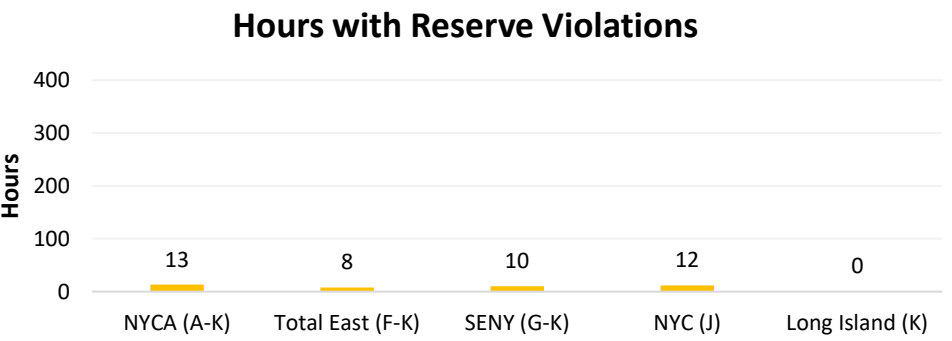
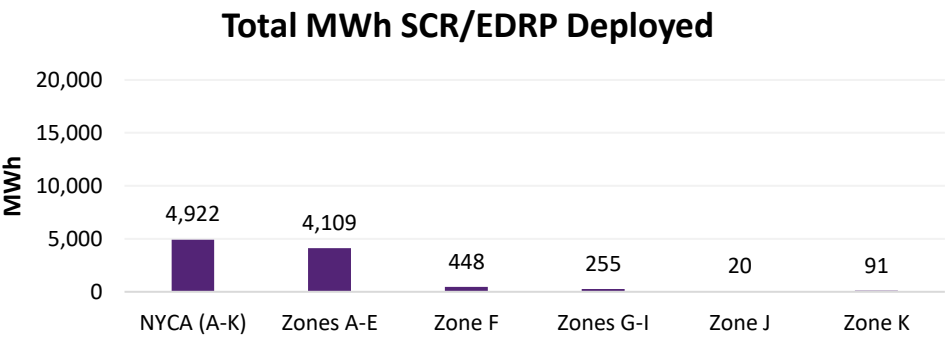
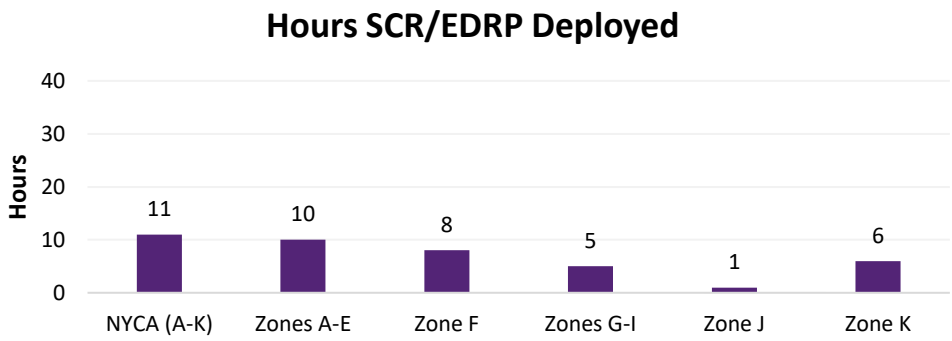
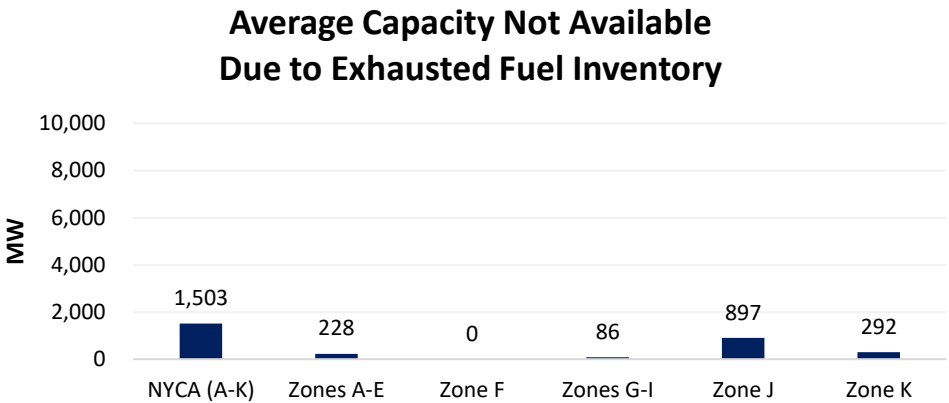
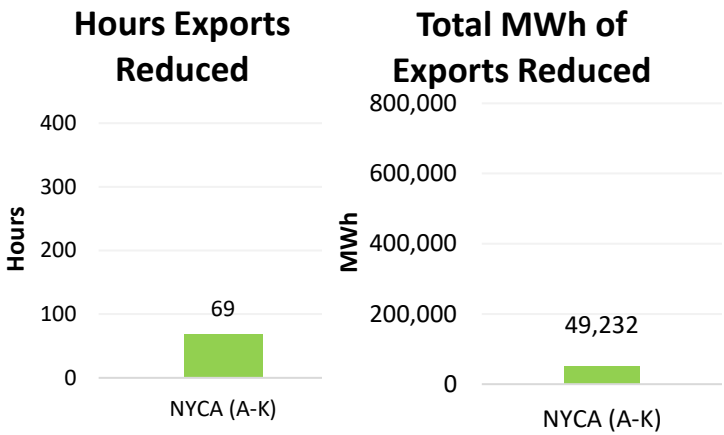
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 13     |
| Total MWh             | 17,175 |
| Avg. MW               | 42.1   |
| First Hour with Viol. | 223    |

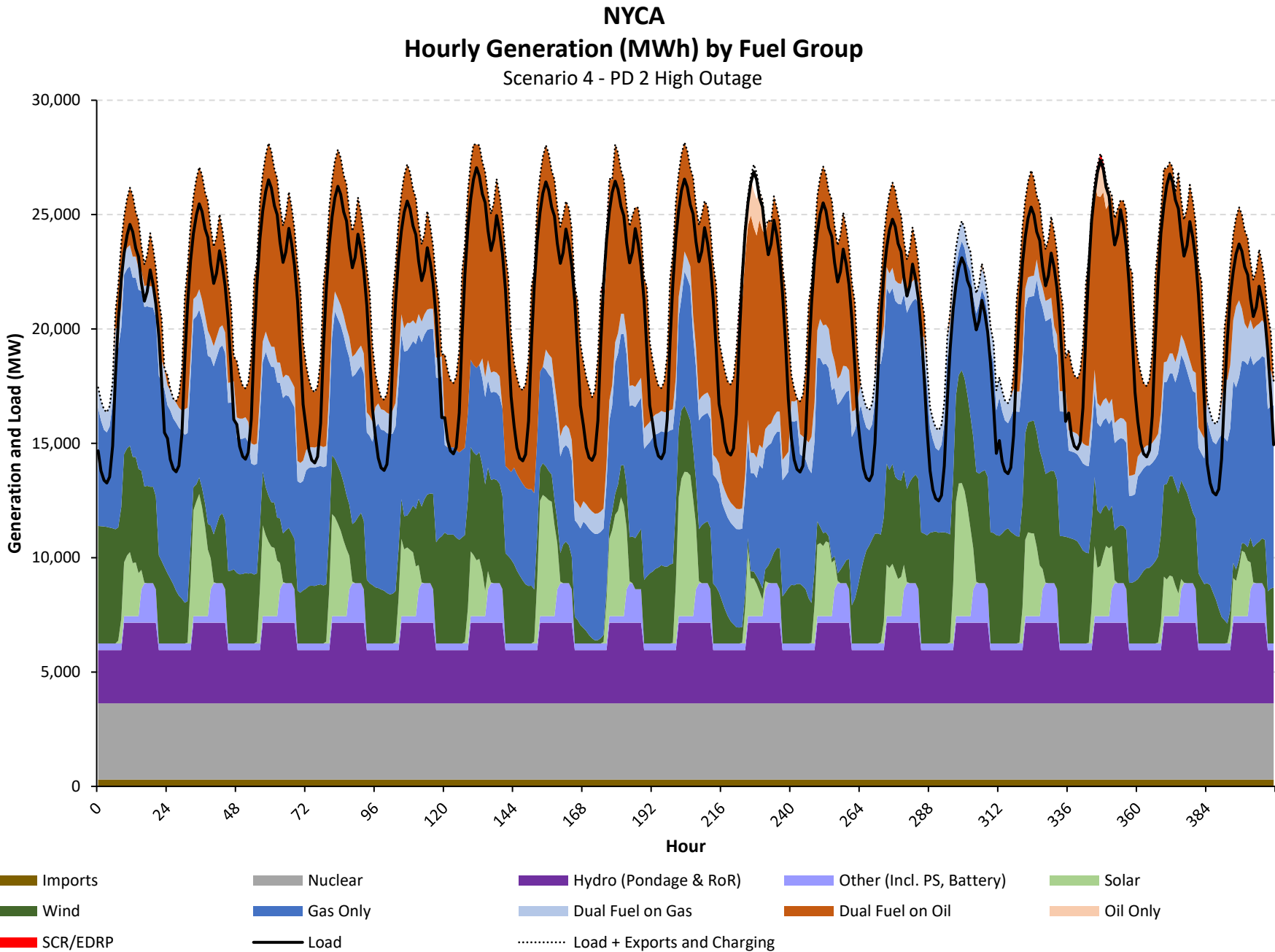
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 3     |
| Total MWh              | 2,378 |
| Avg. MW                | 5.8   |
| First Hour with Losses | 226   |

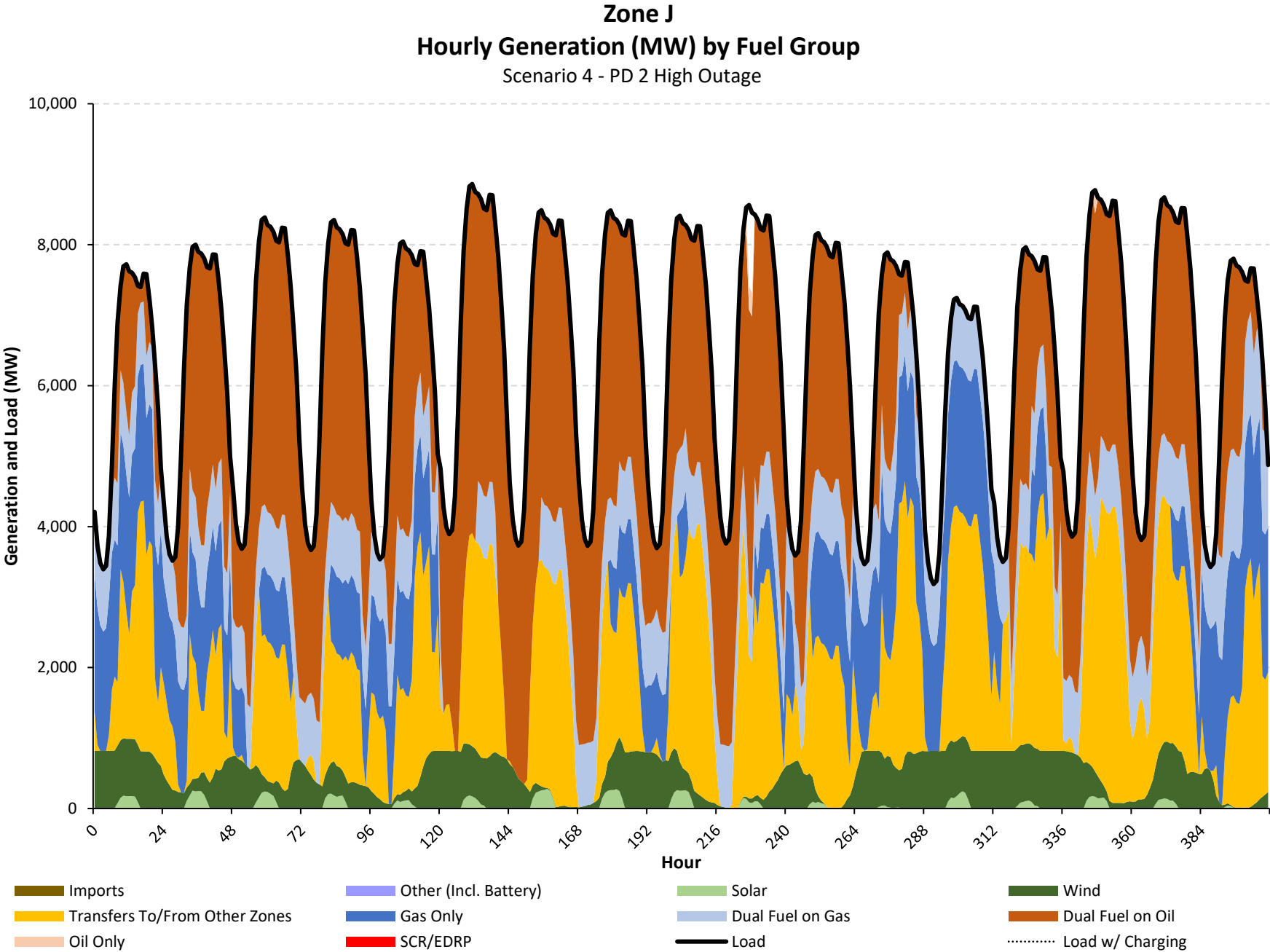
Full Period Results Summary

Case Name: Scenario 4 - PD 2 High Outage

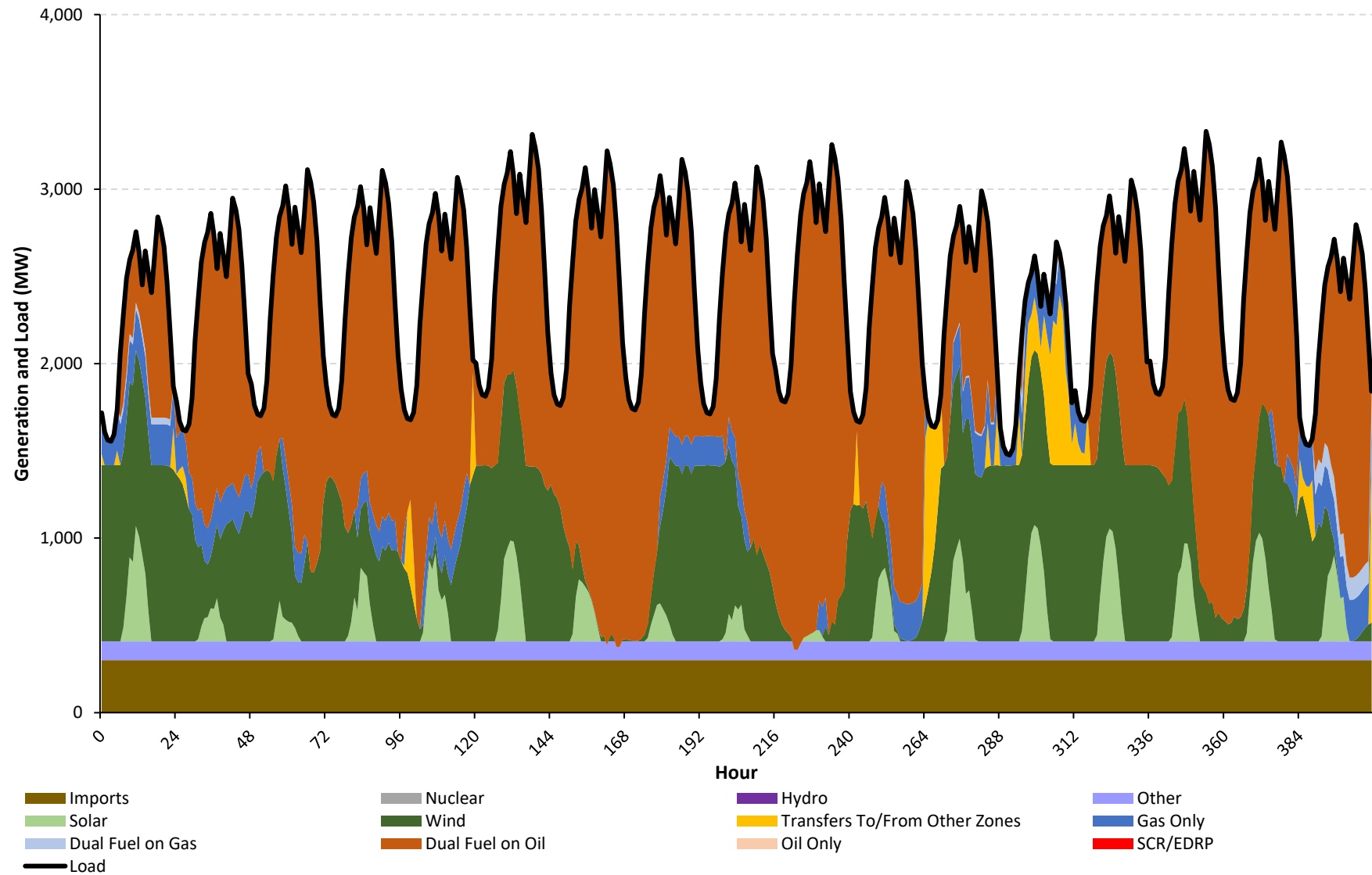
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |



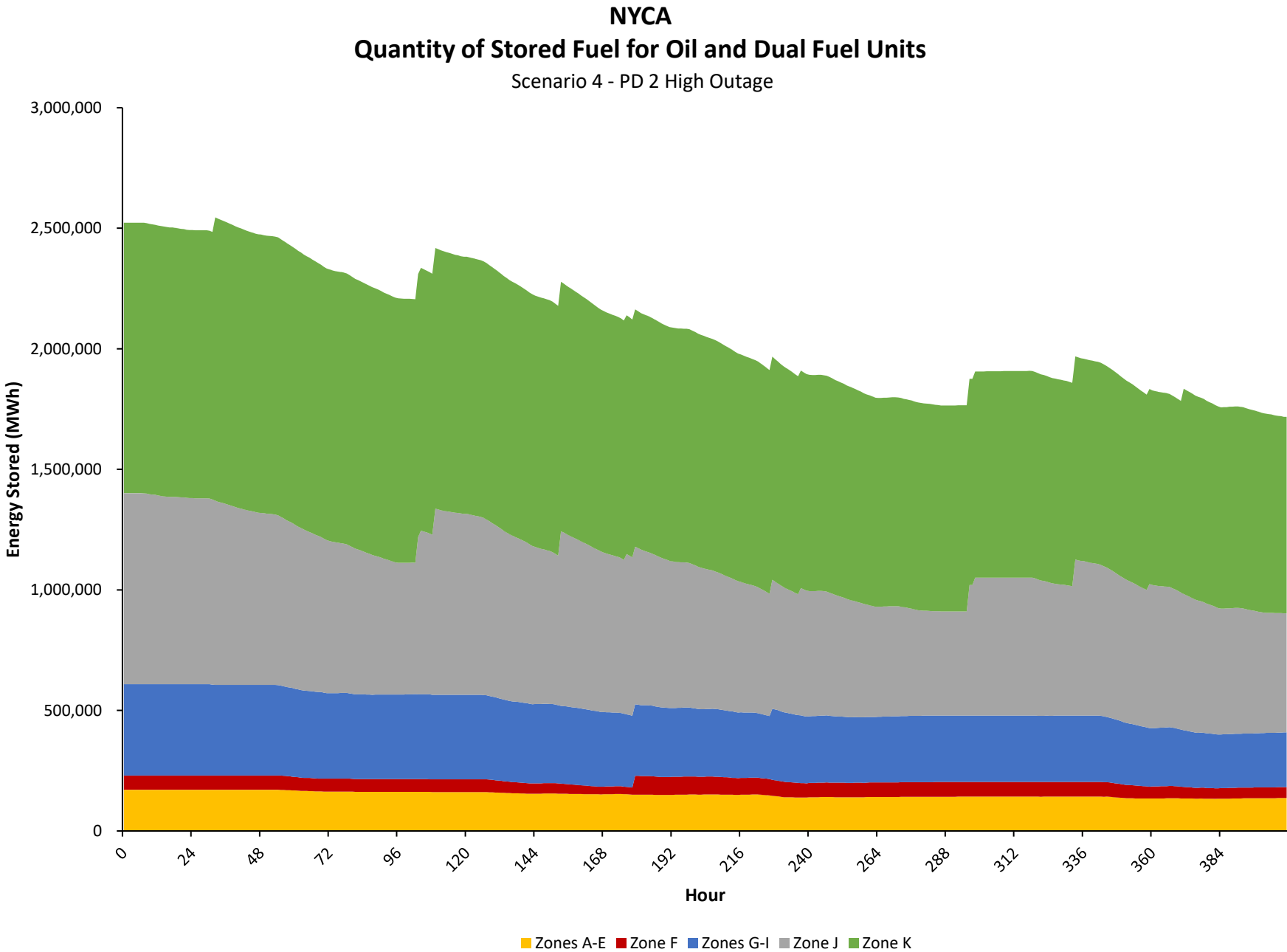




Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 4 - PD 2 High Outage

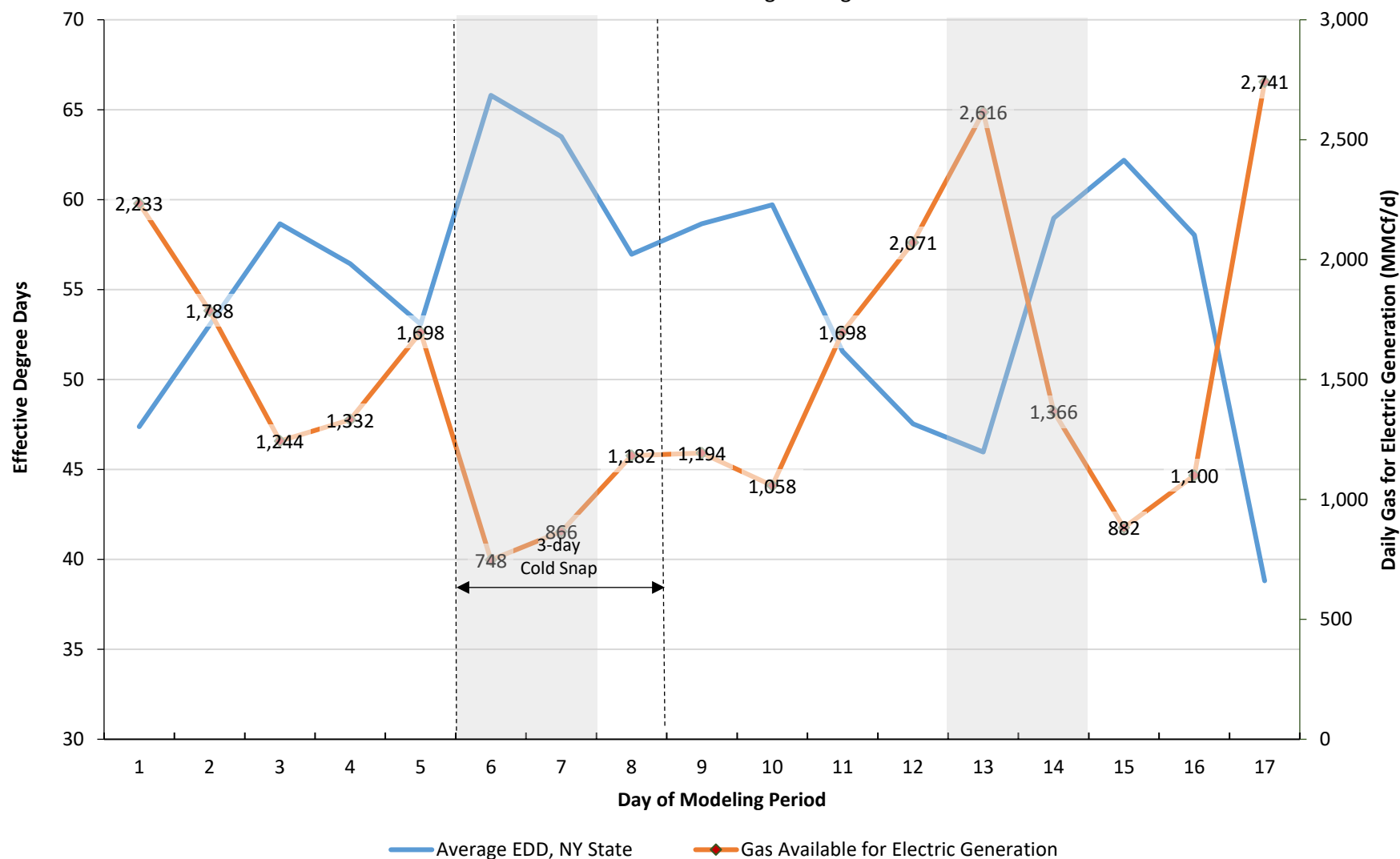






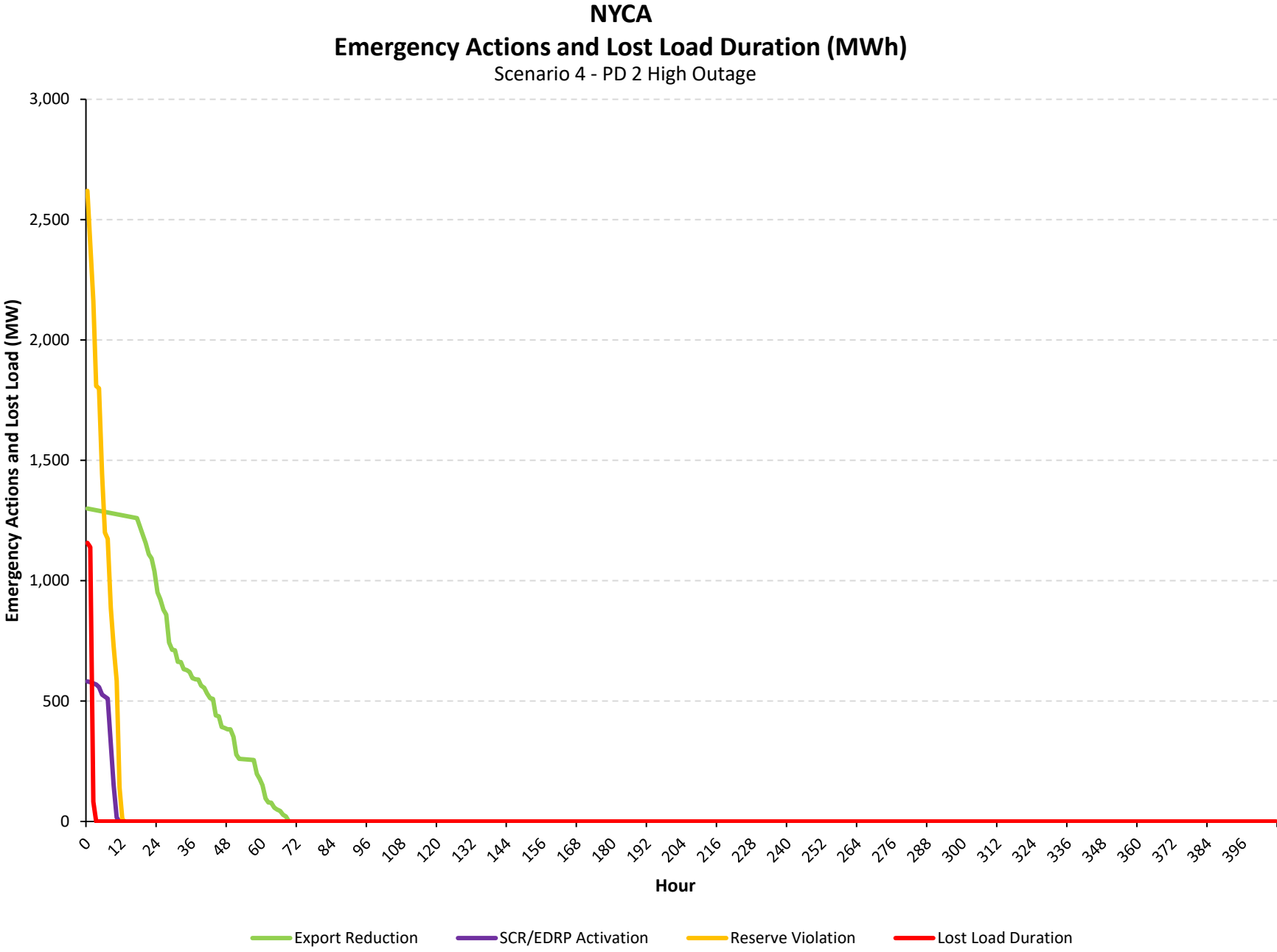
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

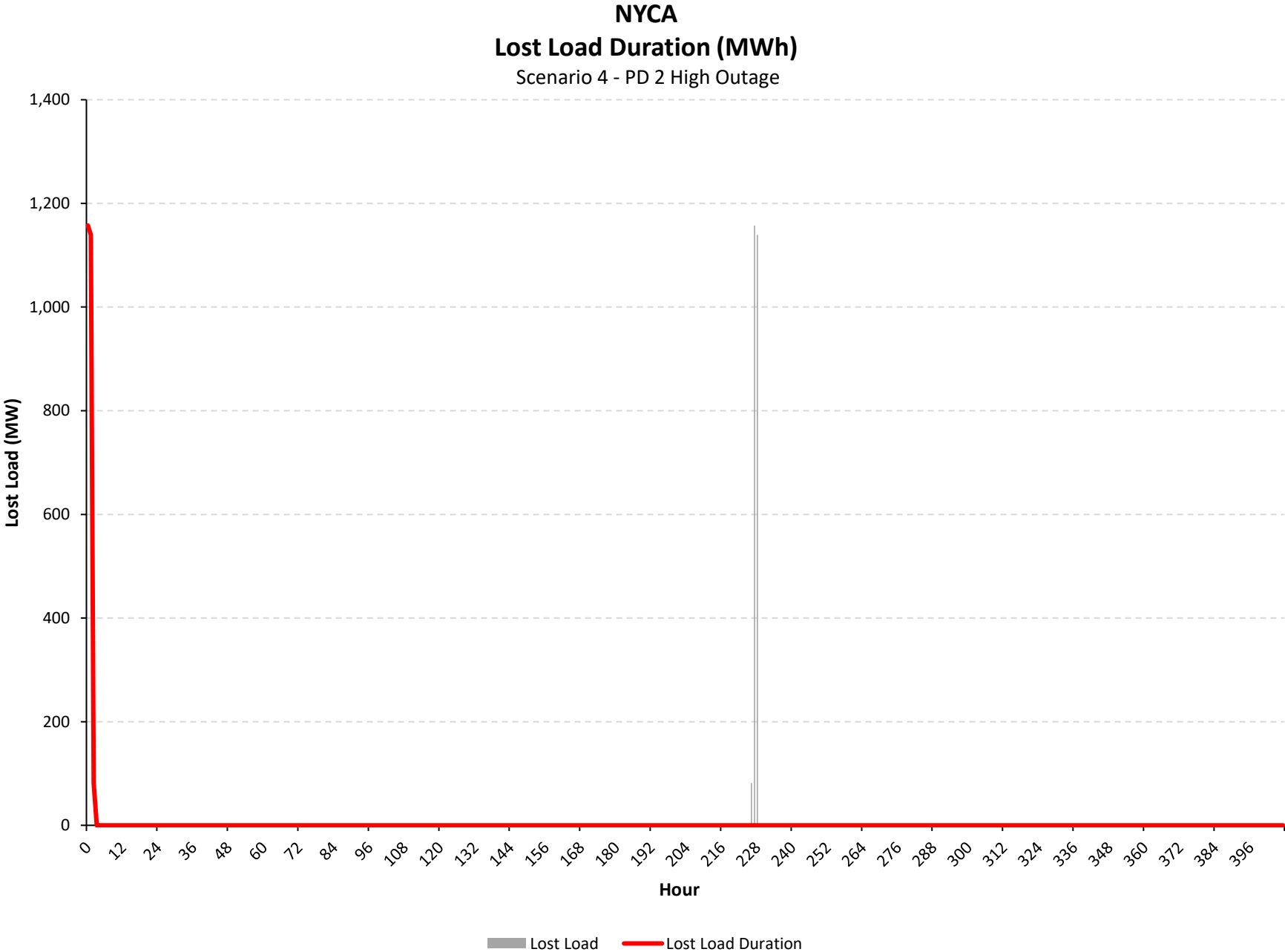
Scenario 4 - PD 2 High Outage



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



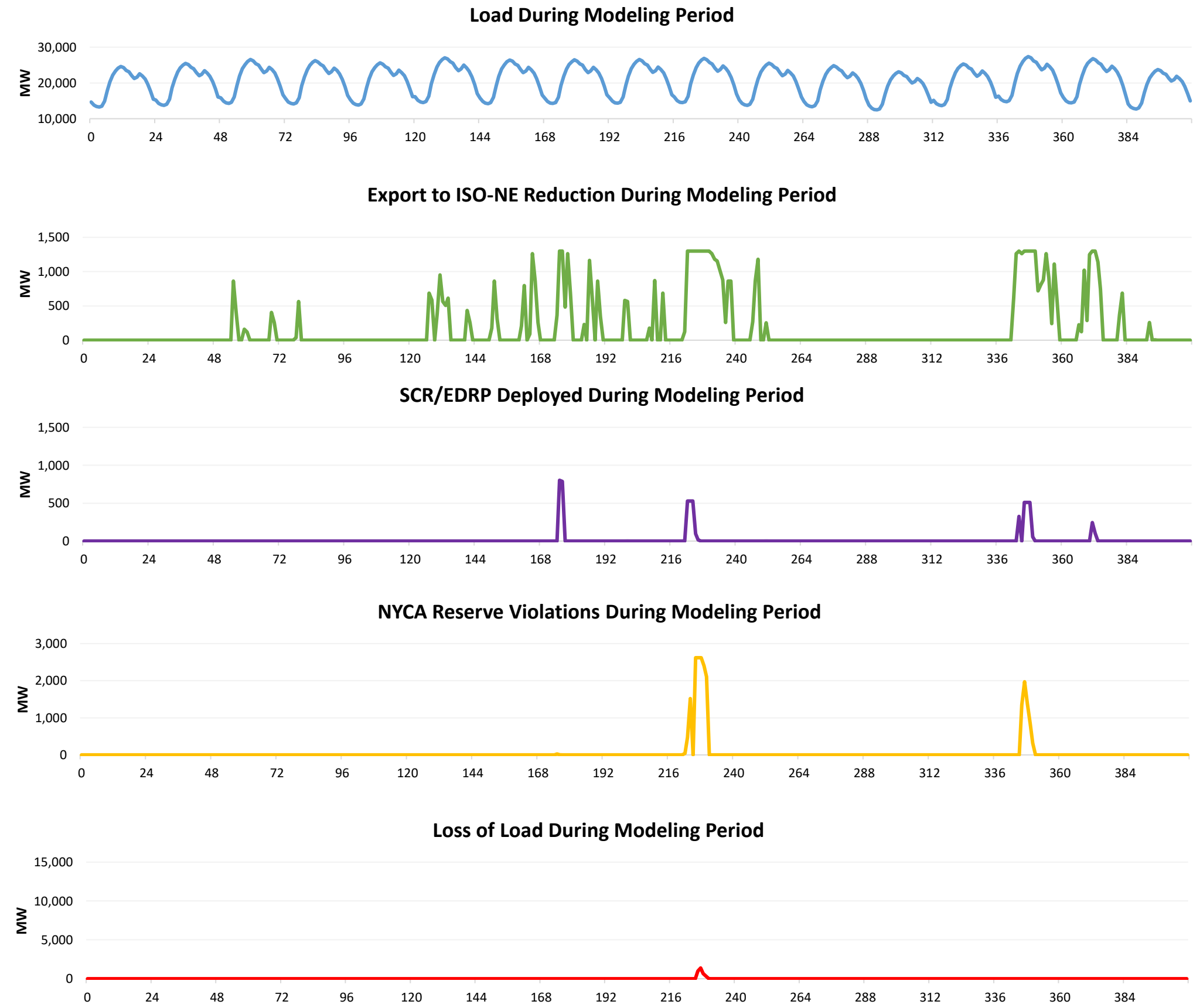


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 3 SENY Deactivation



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | Roseton   |
| Import Scenario:         | Net Zero  |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 94     |
| Total MWh         | 72,106 |
| Avg. MW           | 176.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 14    |
| Total MWh      | 5,541 |
| Avg. MW        | 13.6  |

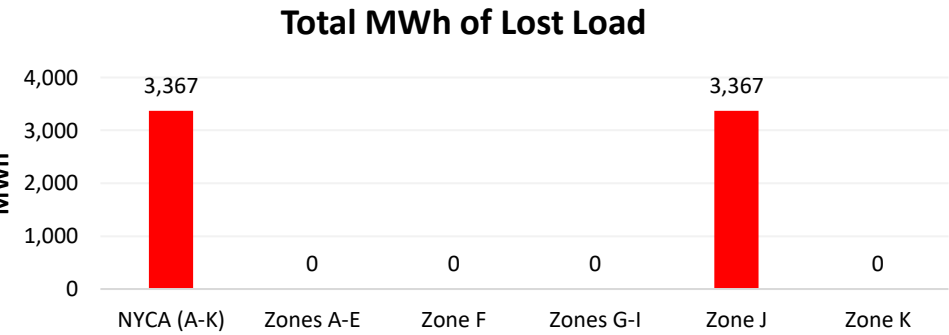
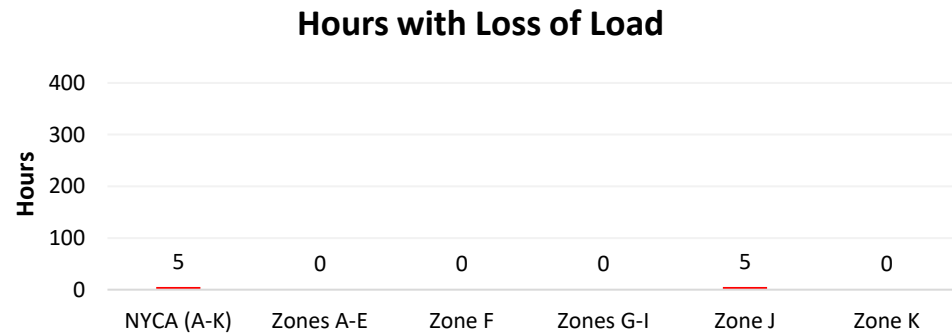
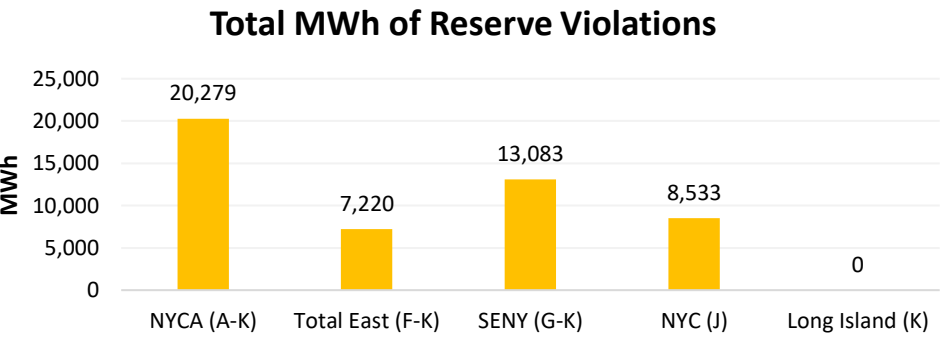
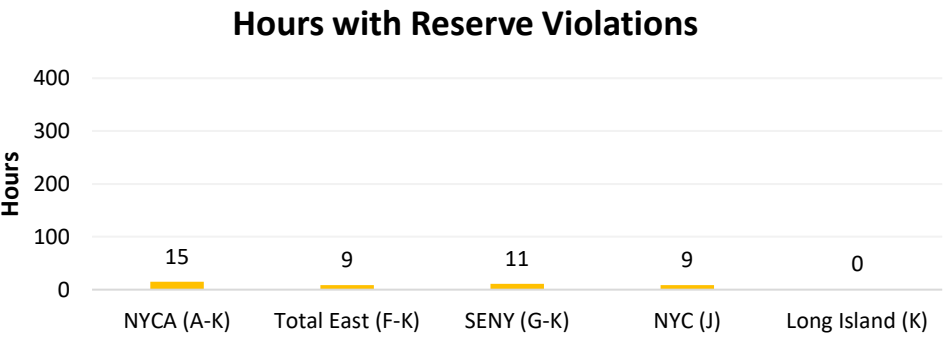
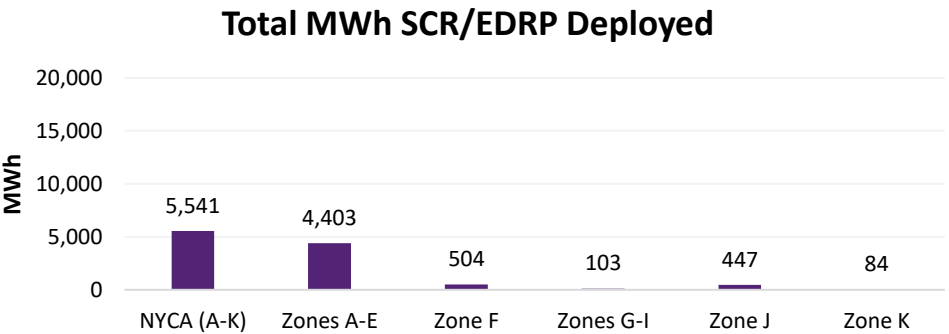
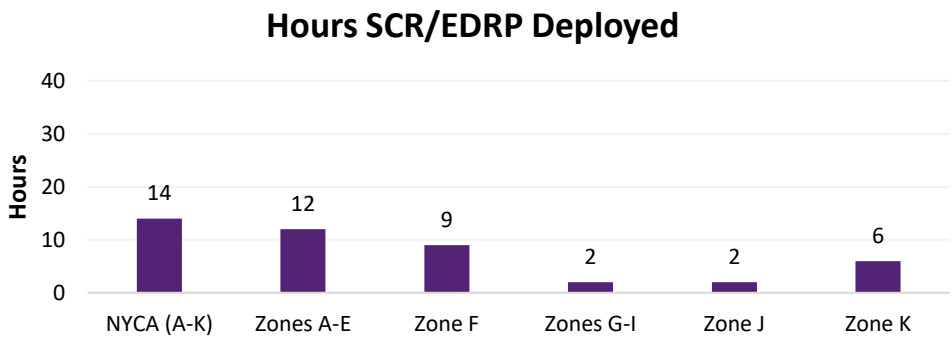
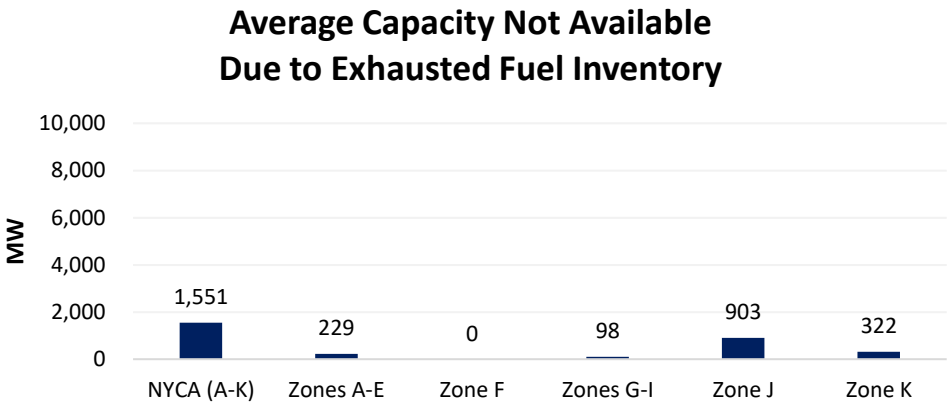
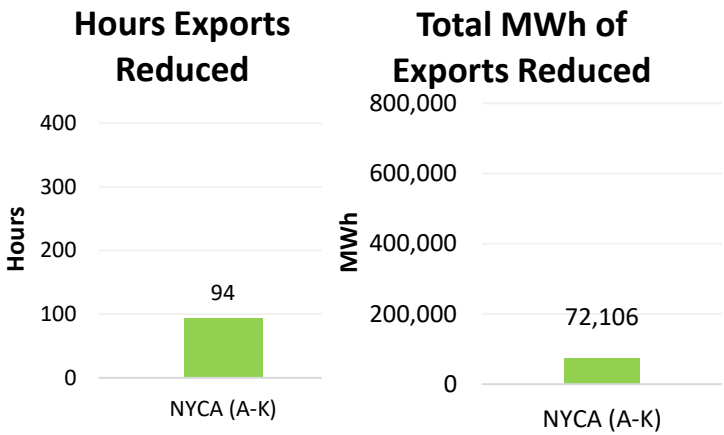
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 15     |
| Total MWh             | 20,279 |
| Avg. MW               | 49.7   |
| First Hour with Viol. | 175    |

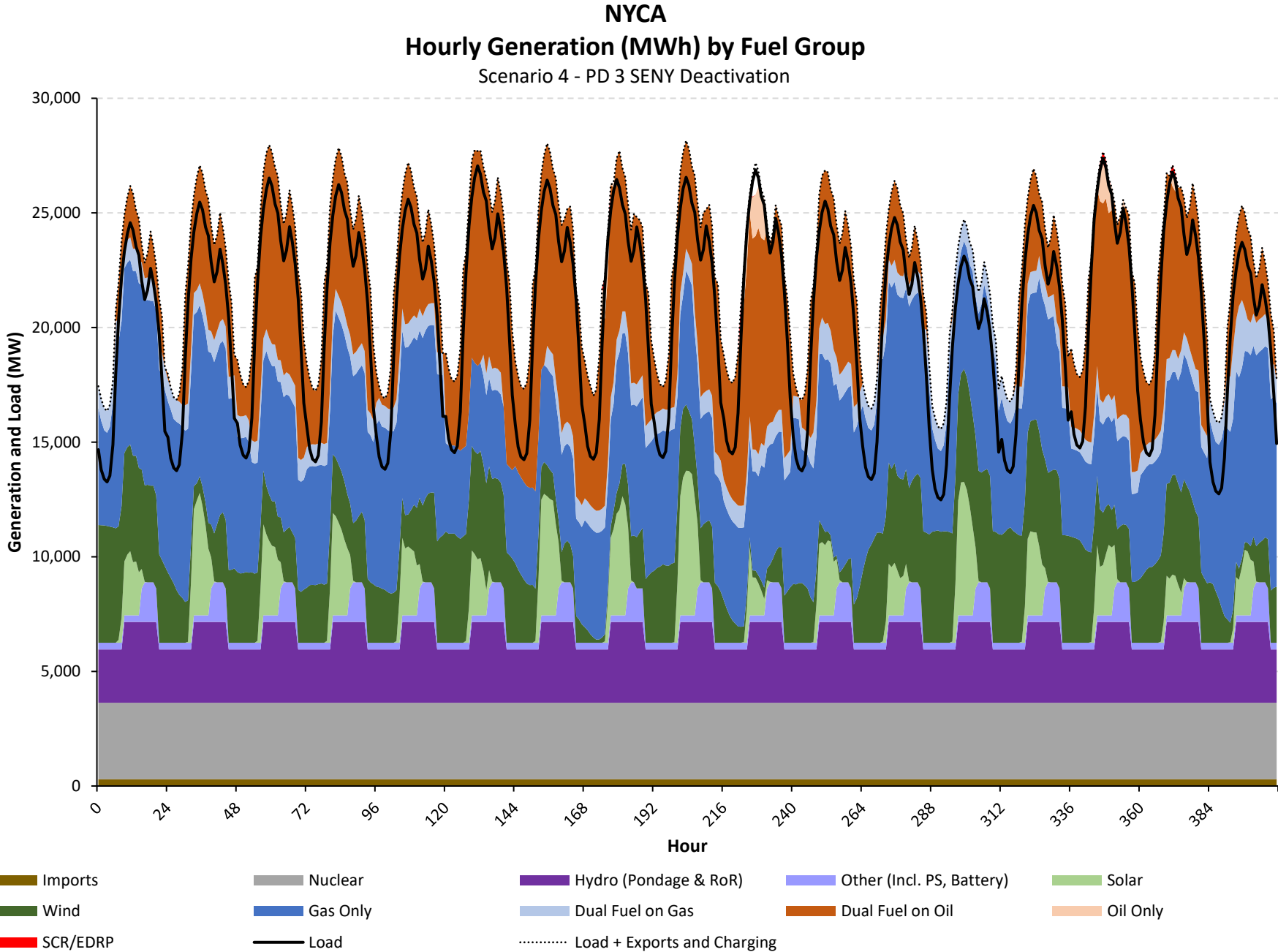
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 5     |
| Total MWh              | 3,367 |
| Avg. MW                | 8.3   |
| First Hour with Losses | 226   |

Full Period Results Summary

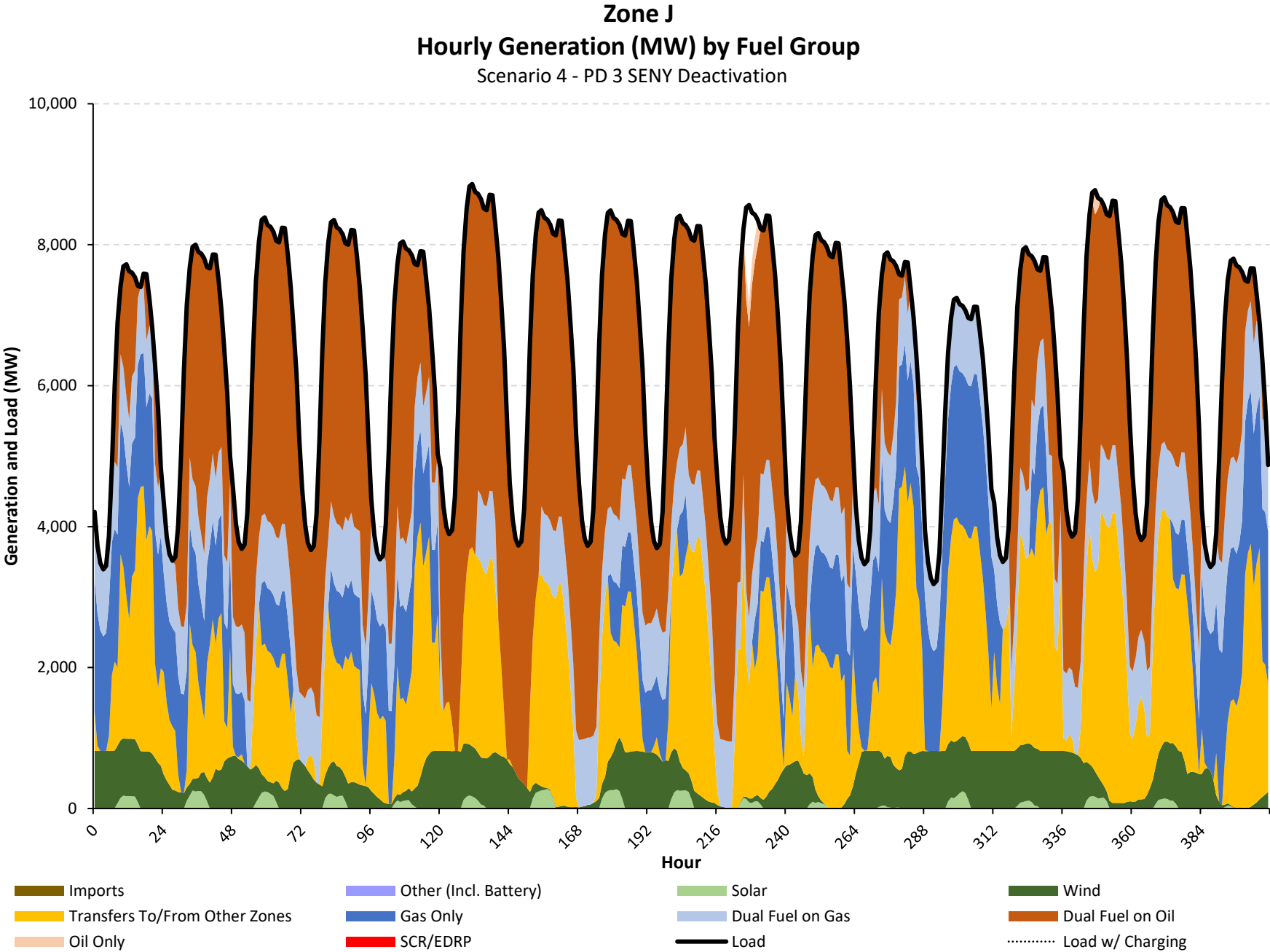
Case Name: Scenario 4 - PD 3 SENY Deactivation

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | Roseton   |
| Import Scenario:         | Net Zero  |

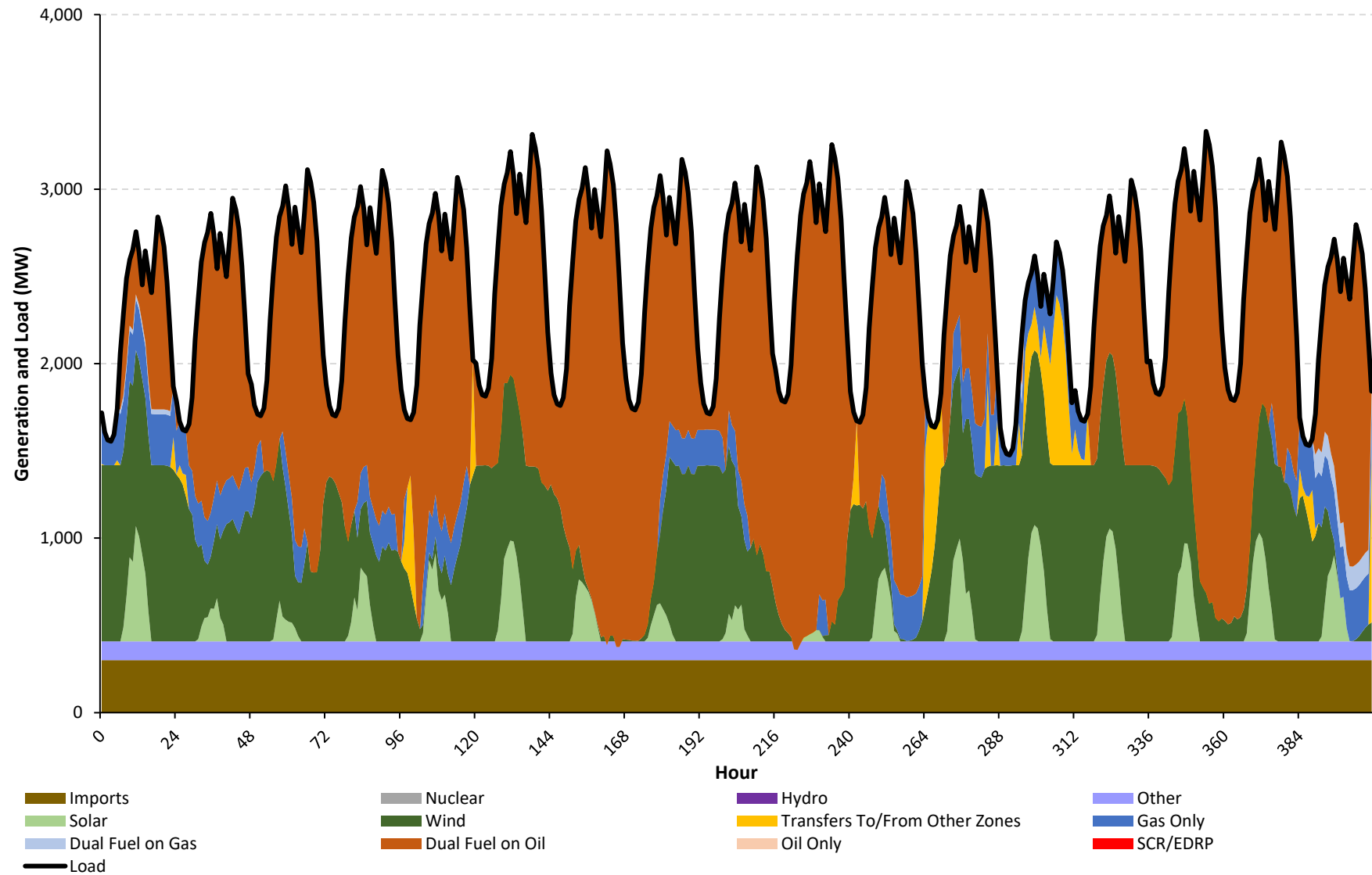


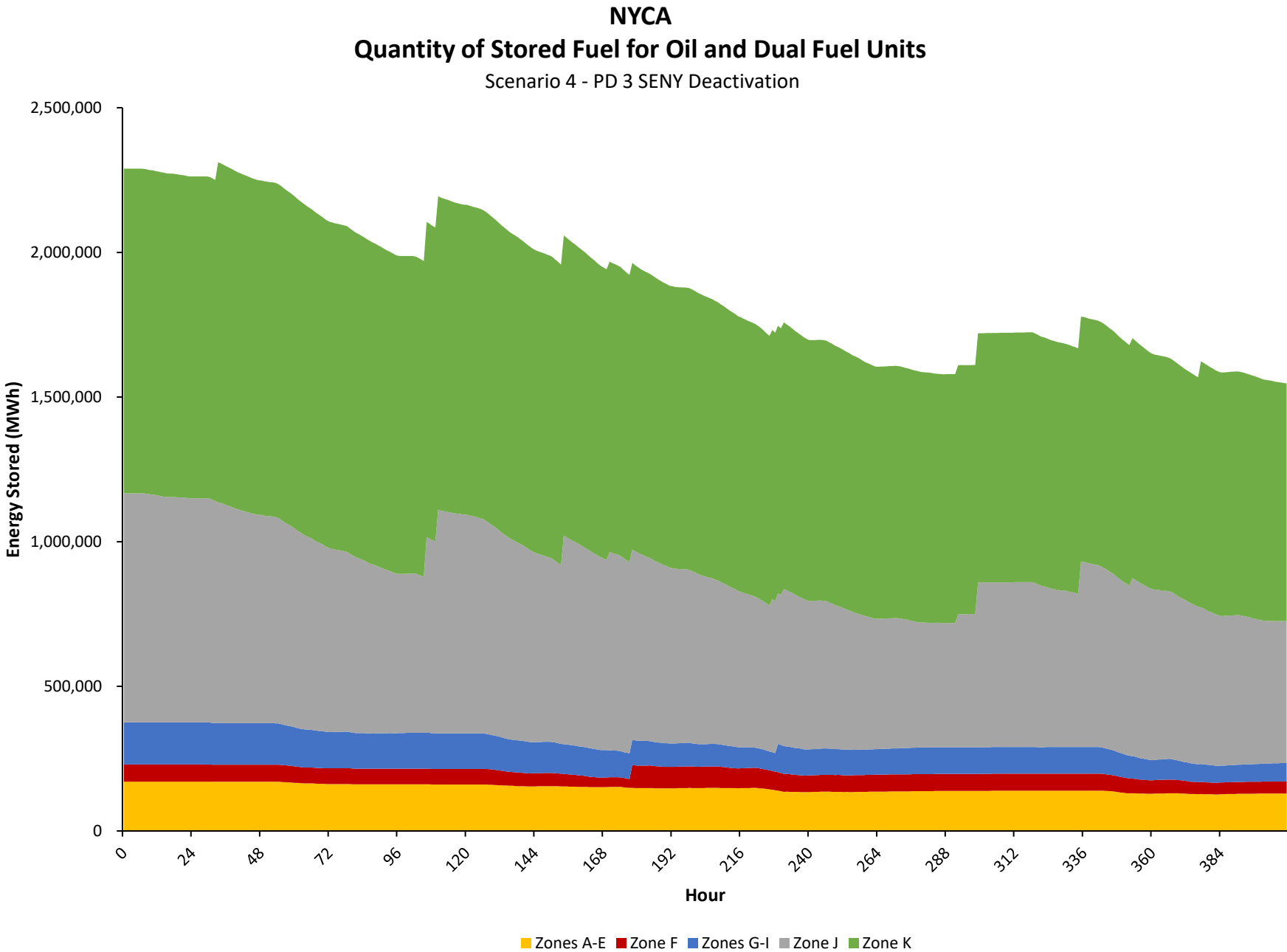






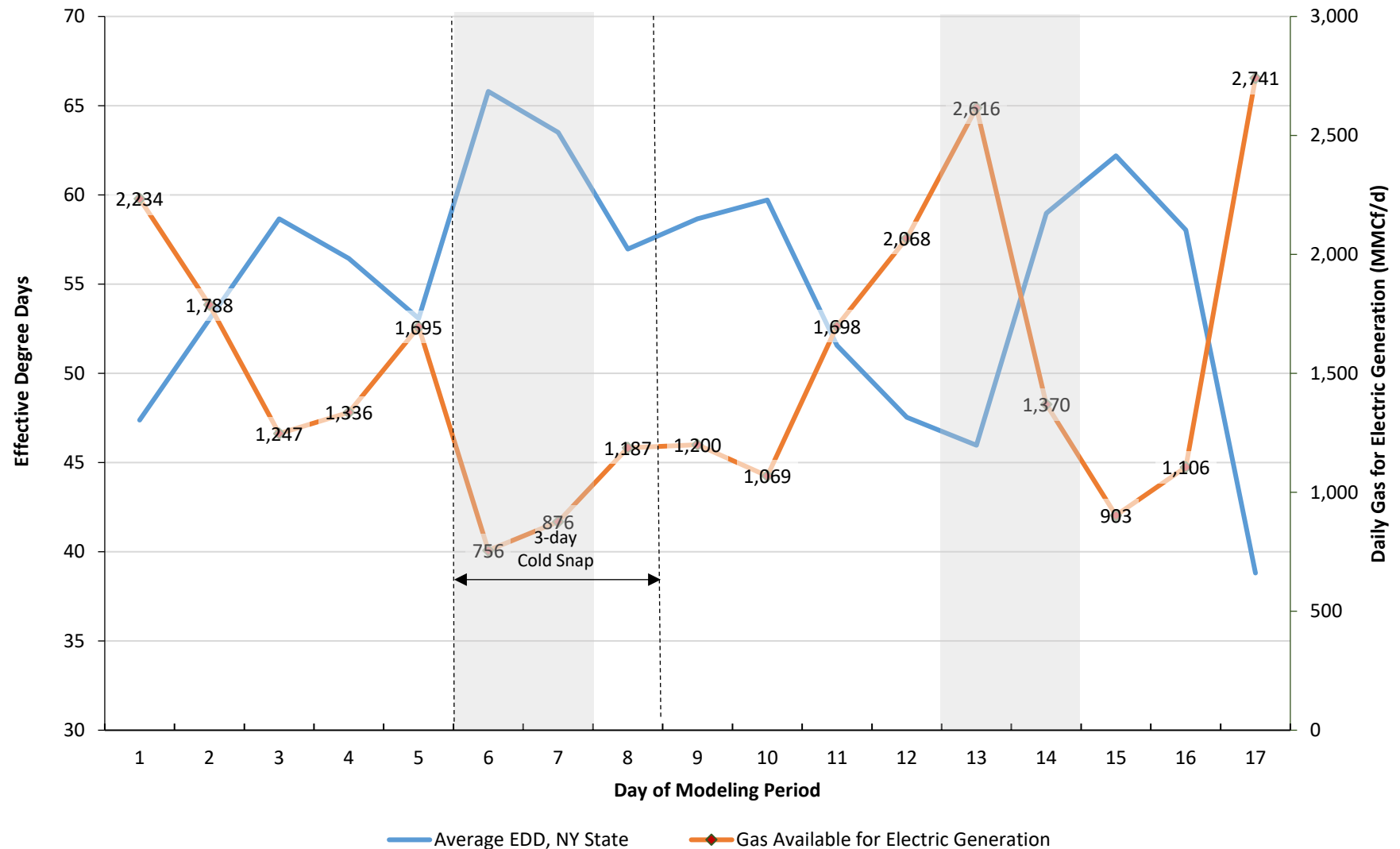
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 3 SENY Deactivation





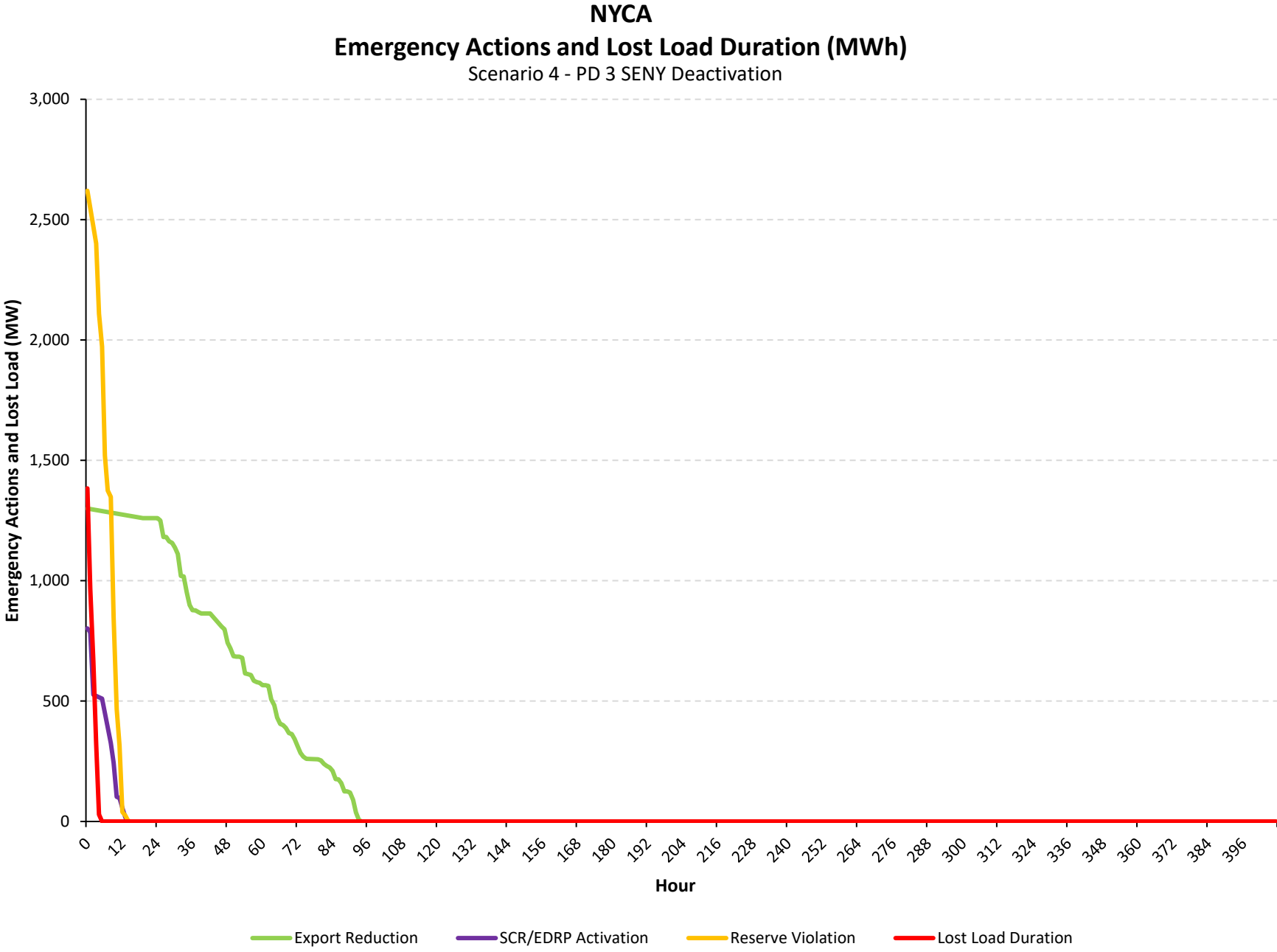
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

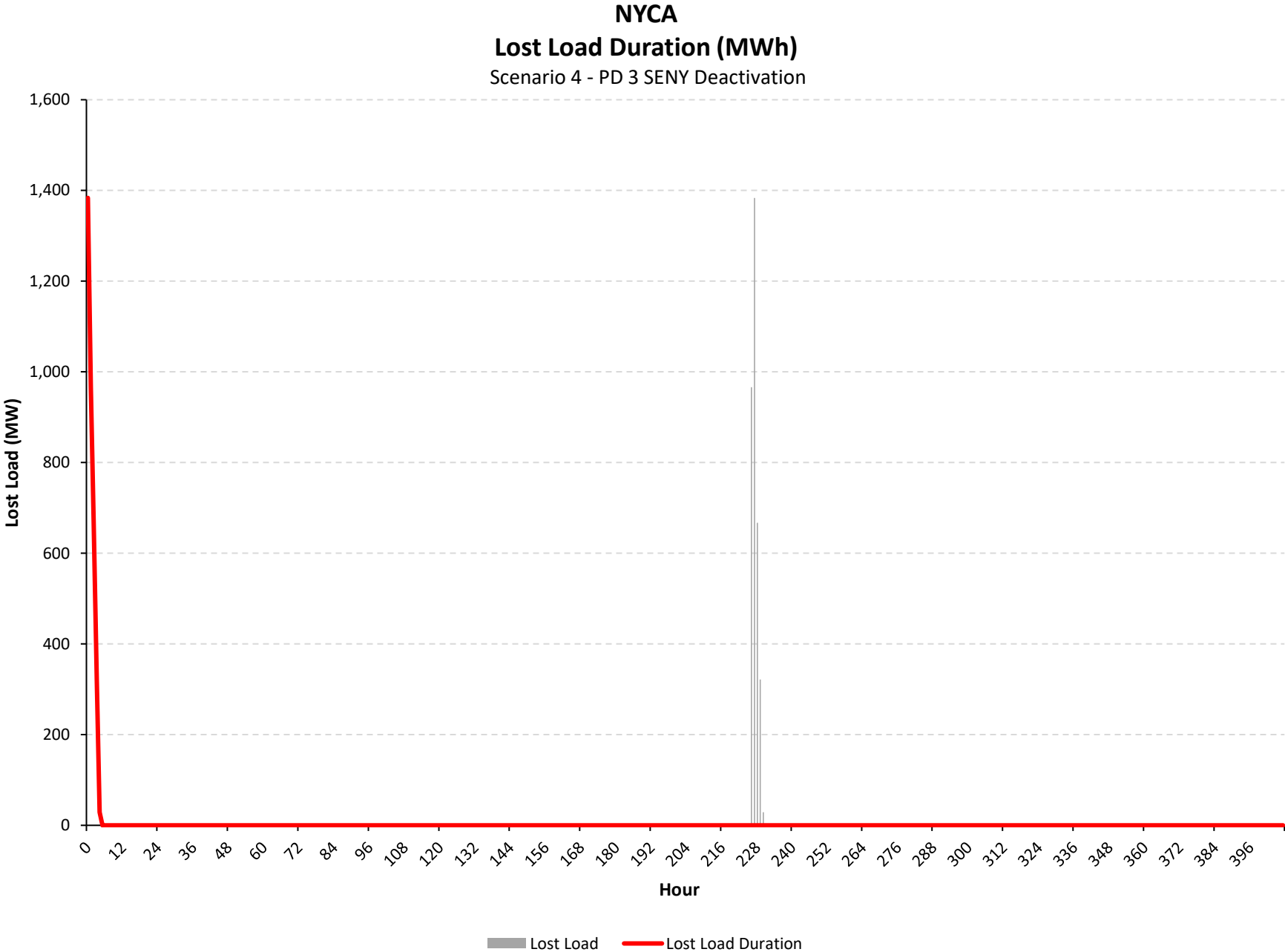
Scenario 4 - PD 3 SENY Deactivation



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



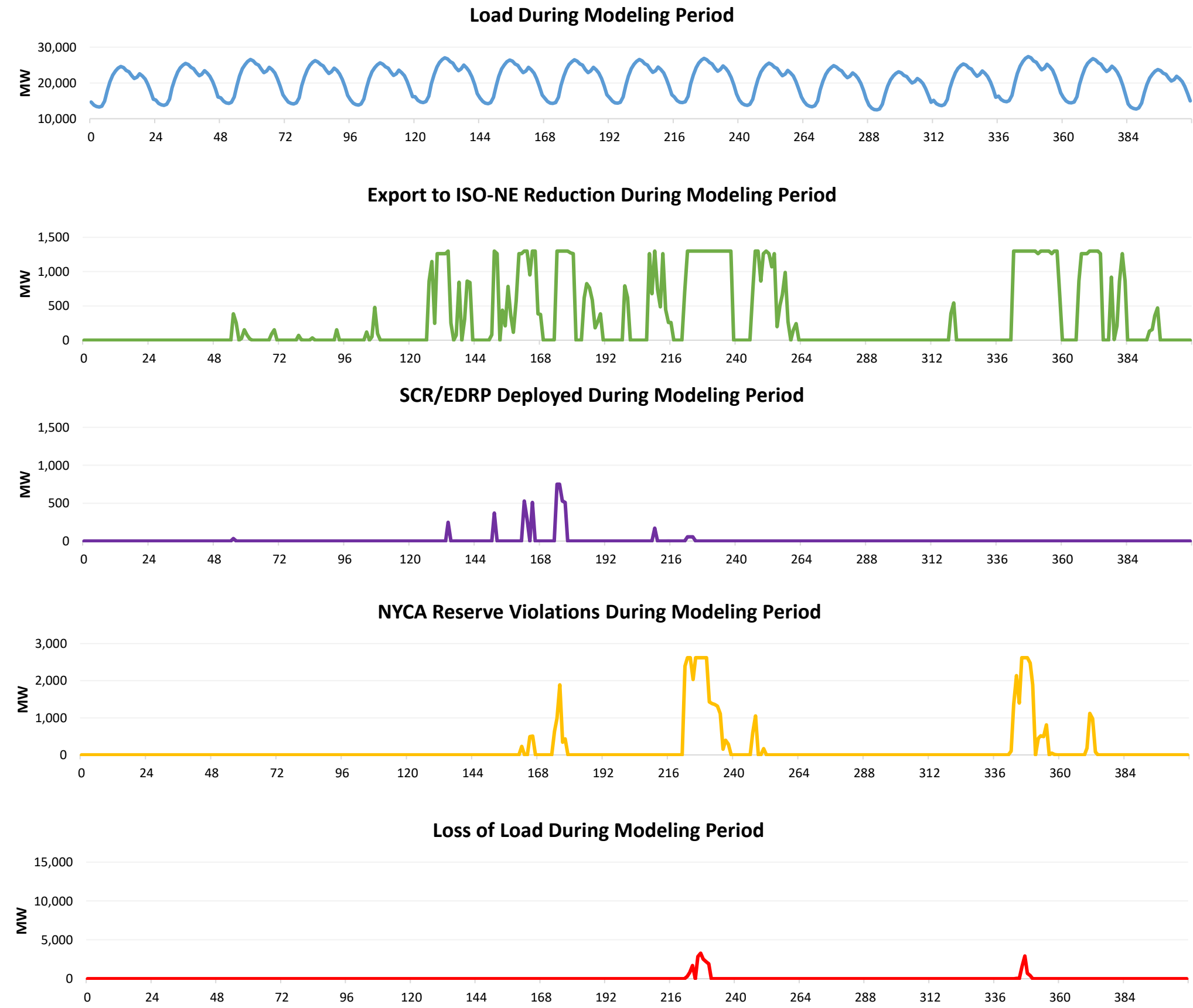


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 4 Nuclear Station Outage



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | On        |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 147     |
| Total MWh         | 125,311 |
| Avg. MW           | 307.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 14    |
| Total MWh      | 4,858 |
| Avg. MW        | 11.9  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 47     |
| Total MWh             | 59,424 |
| Avg. MW               | 145.6  |
| First Hour with Viol. | 162    |

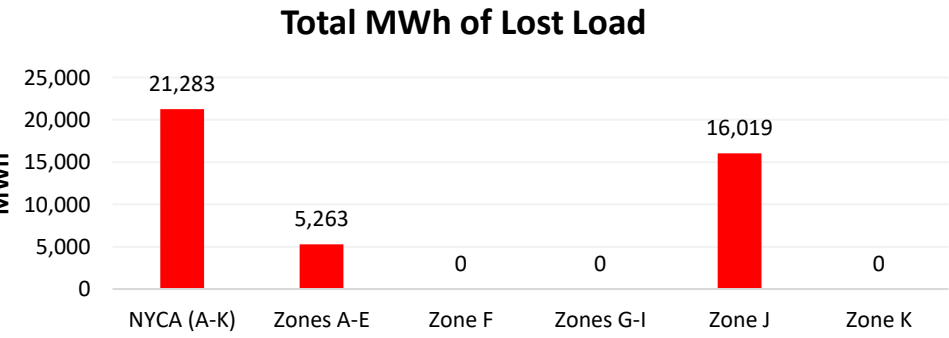
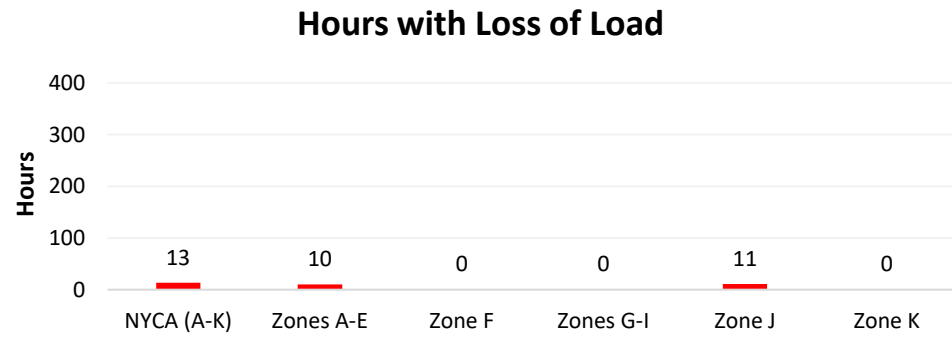
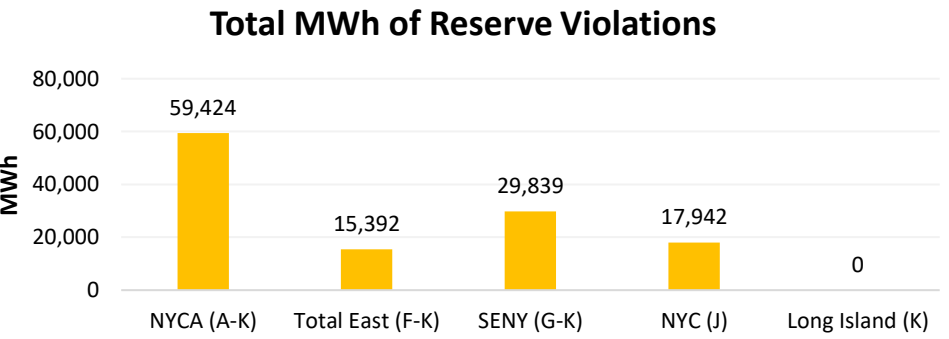
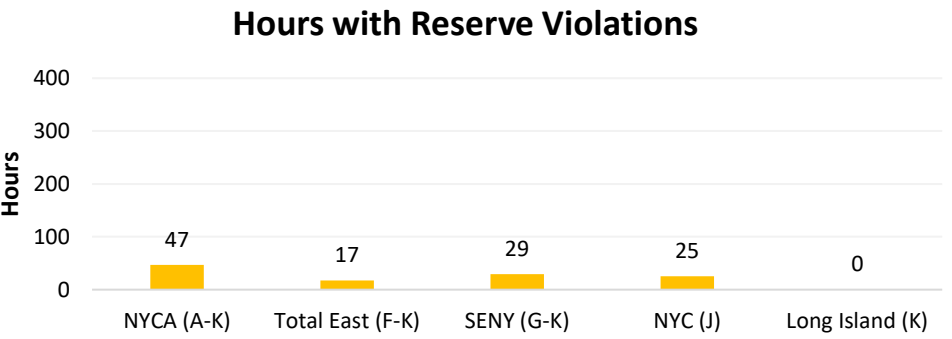
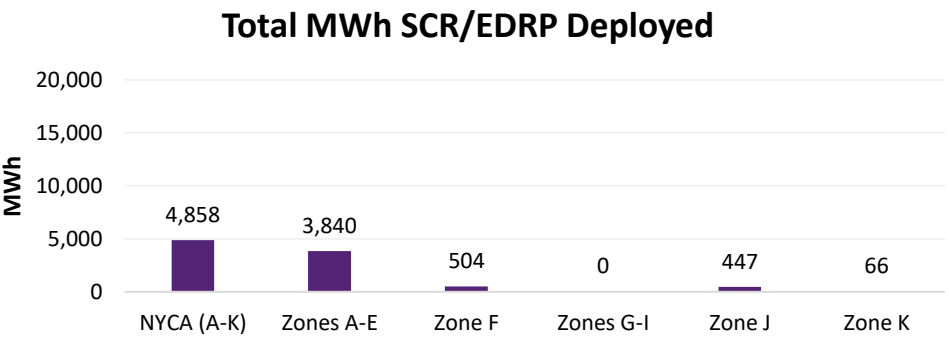
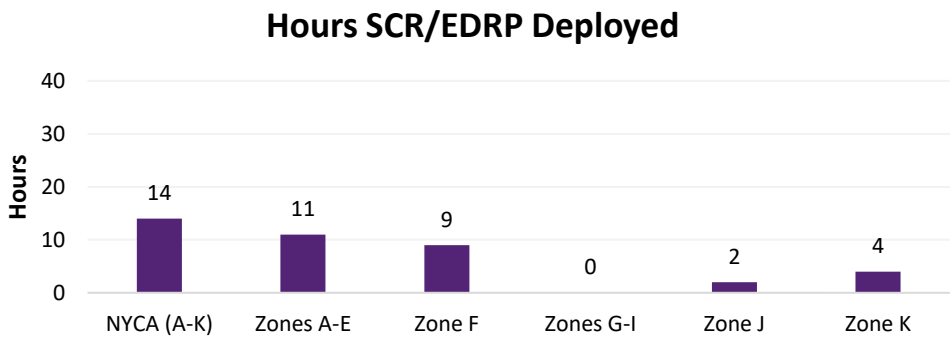
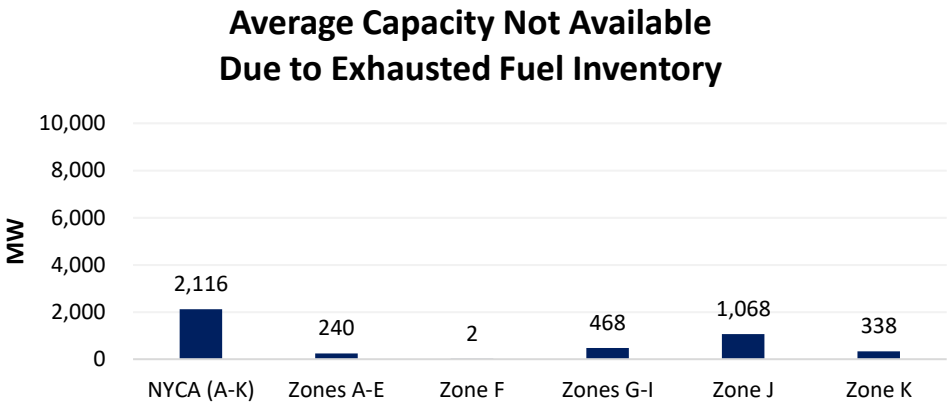
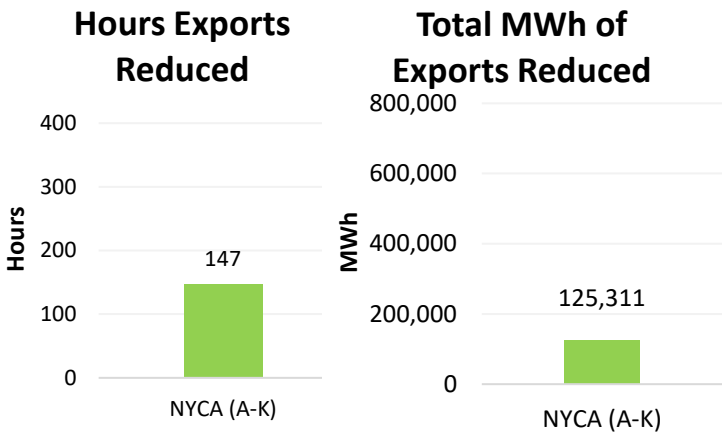
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 13     |
| Total MWh              | 21,283 |
| Avg. MW                | 52.2   |
| First Hour with Losses | 222    |

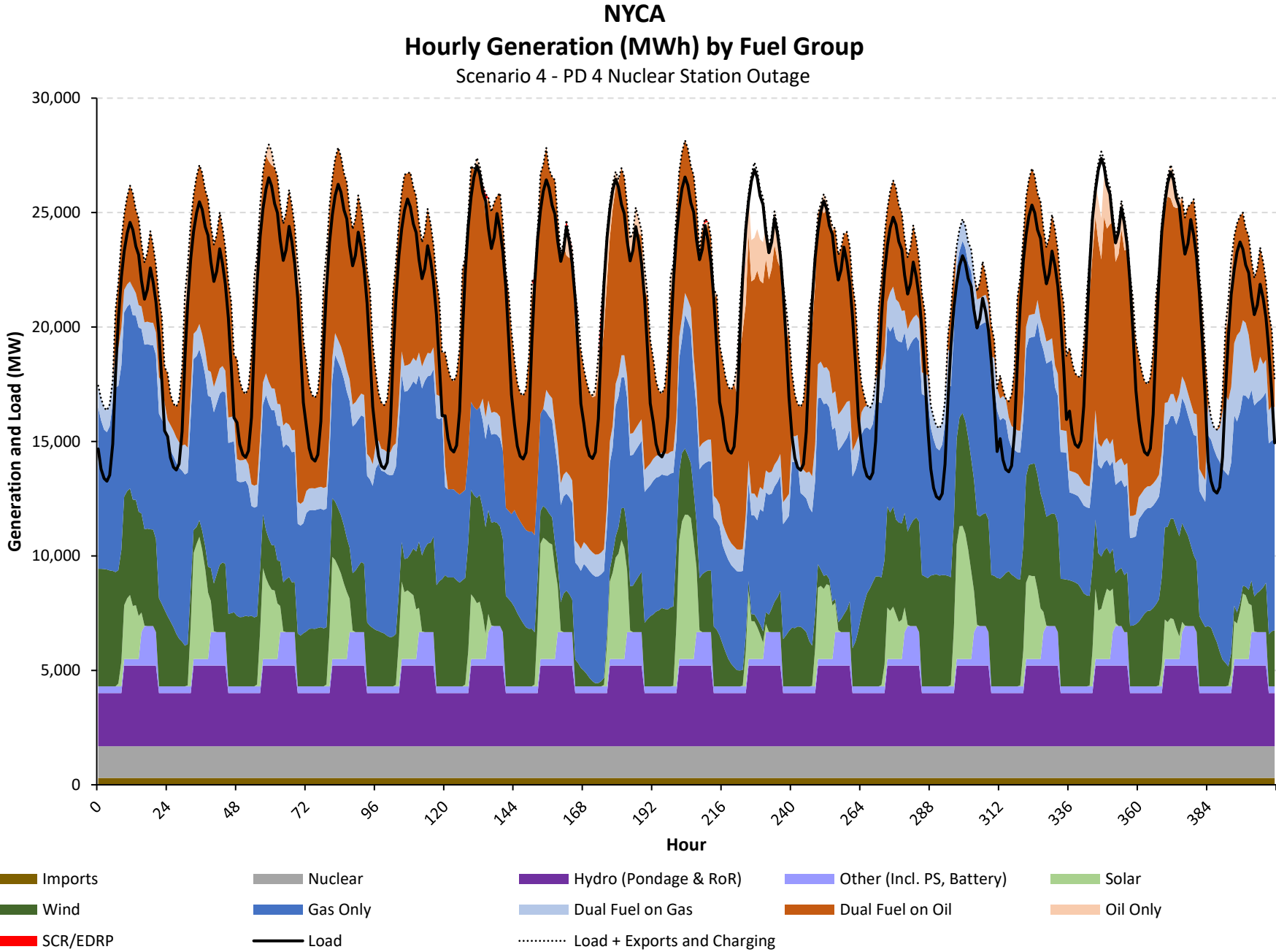


Full Period Results Summary

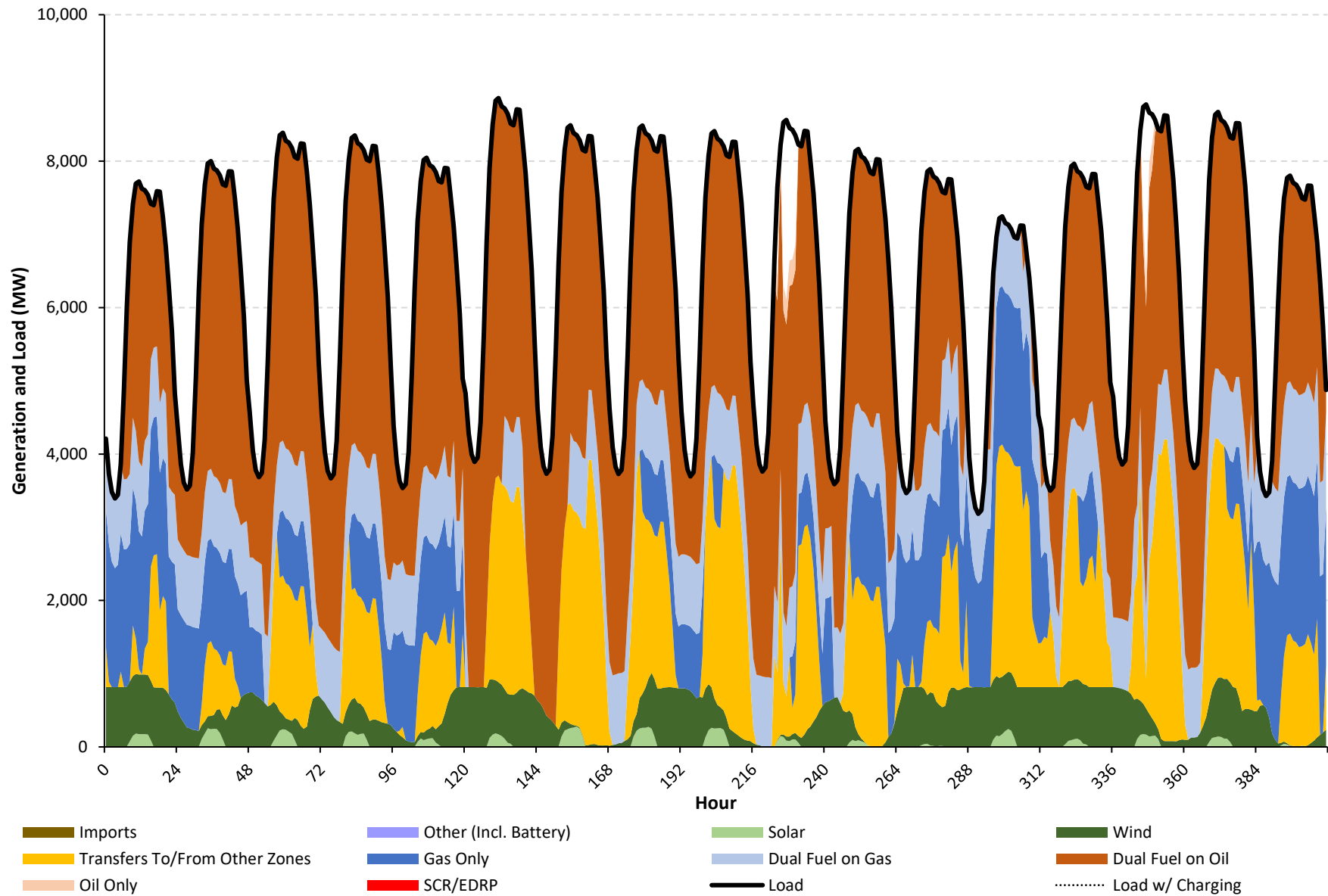
Case Name: Scenario 4 - PD 4 Nuclear Station Outage

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | On        |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

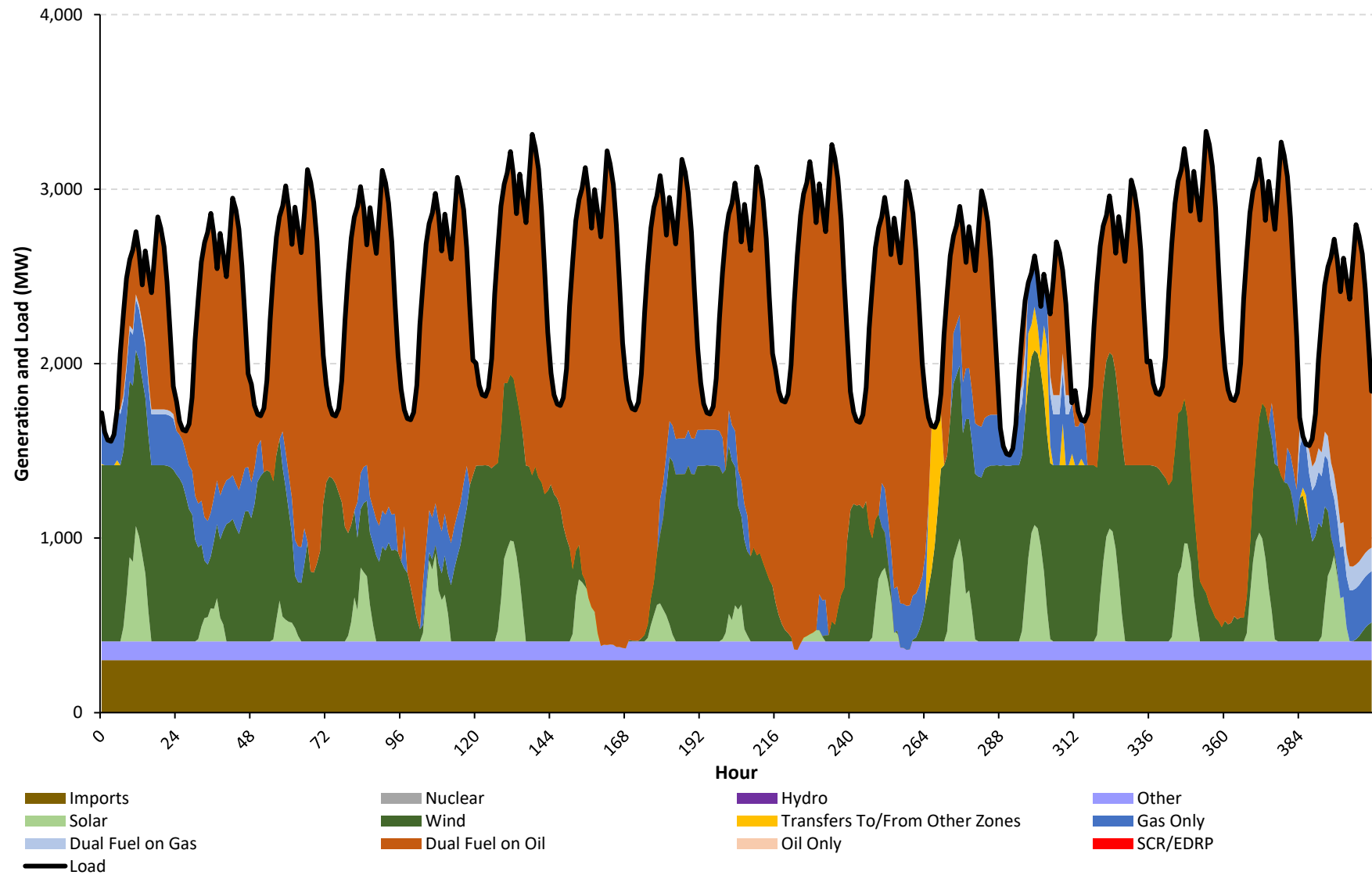




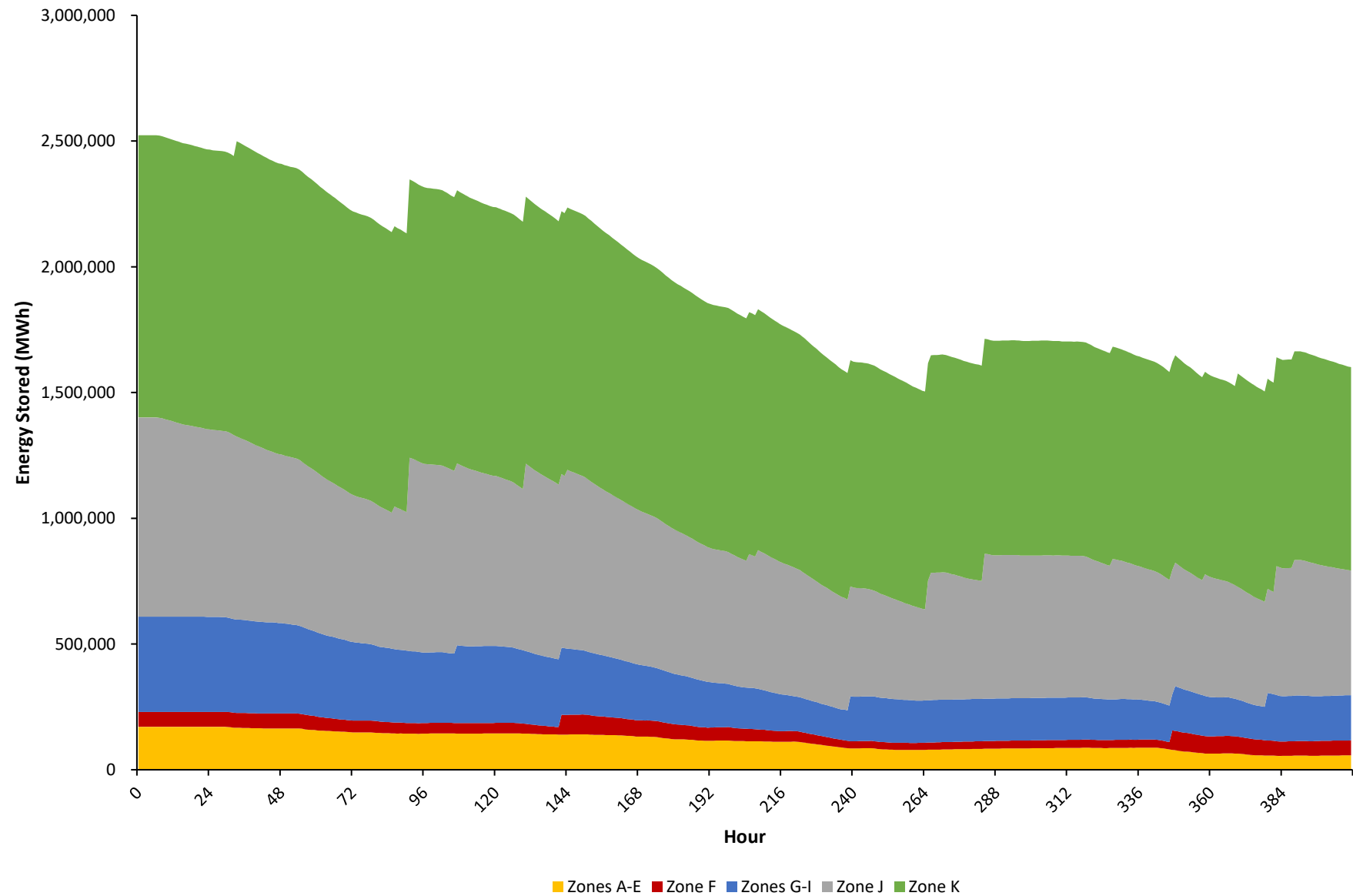
**Zone J**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 4 Nuclear Station Outage



**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 4 Nuclear Station Outage

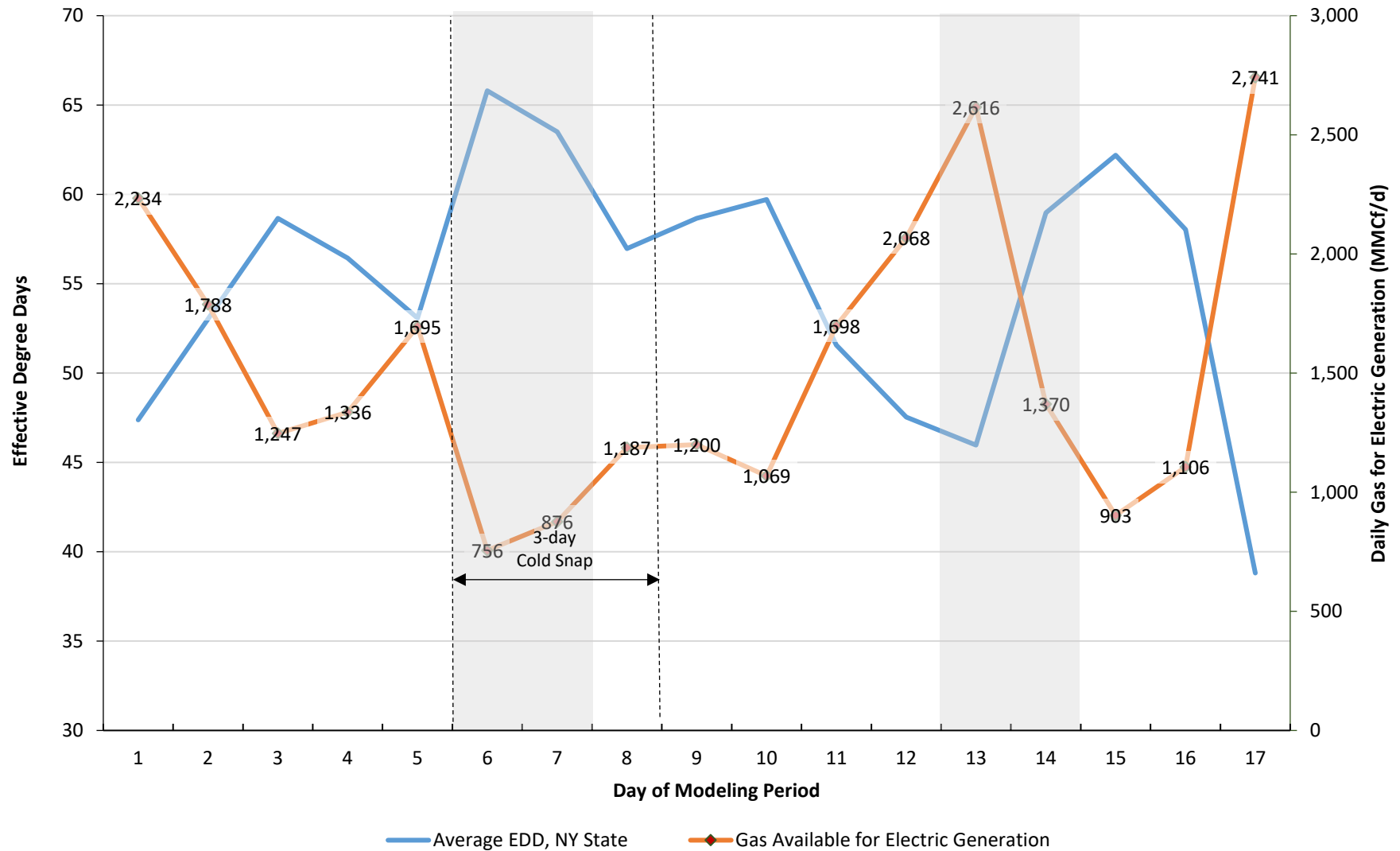


**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 4 - PD 4 Nuclear Station Outage



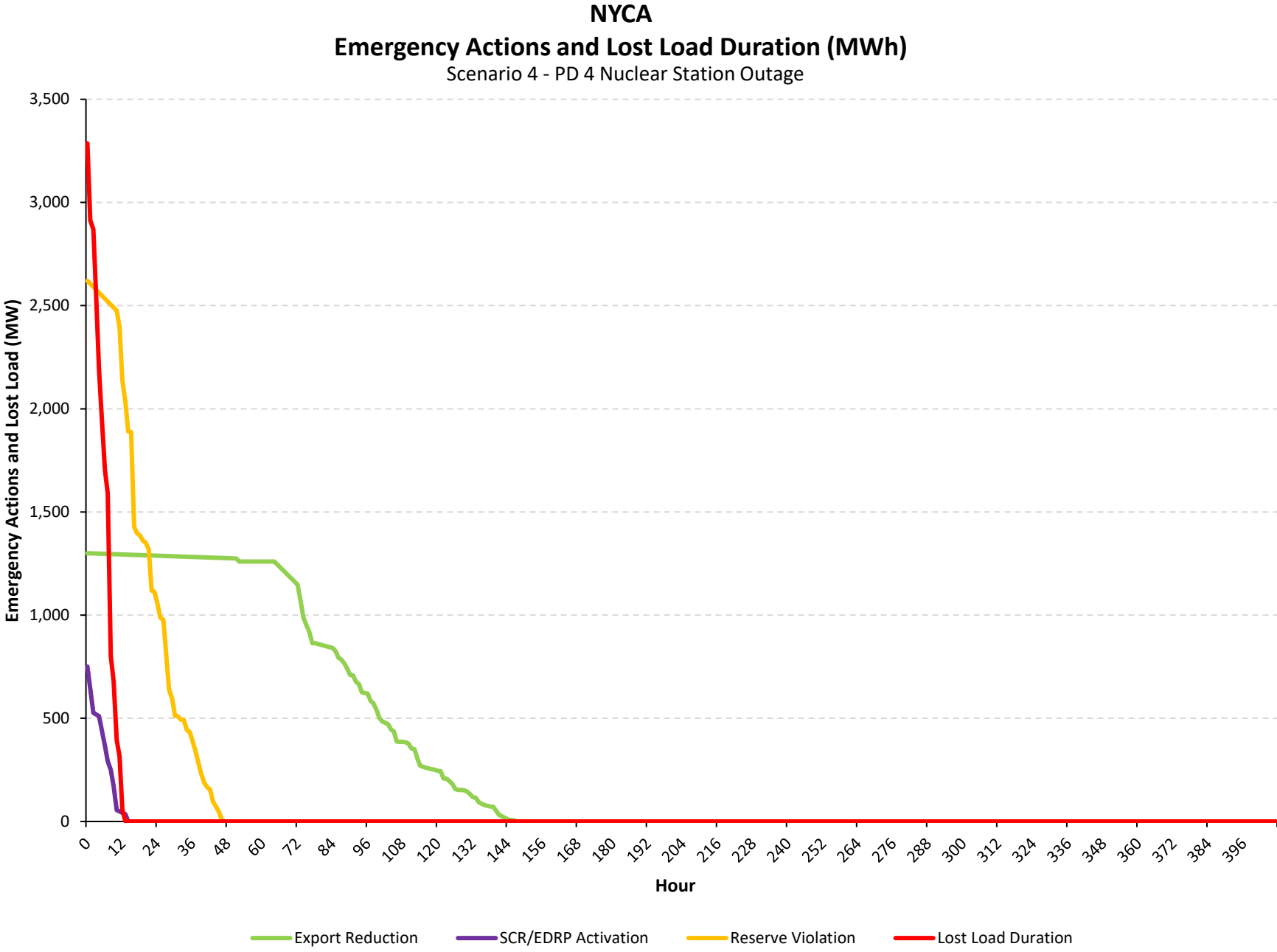
# NYCA Degree Days and Gas Available for Electric Generation 17-Day Modeling Period

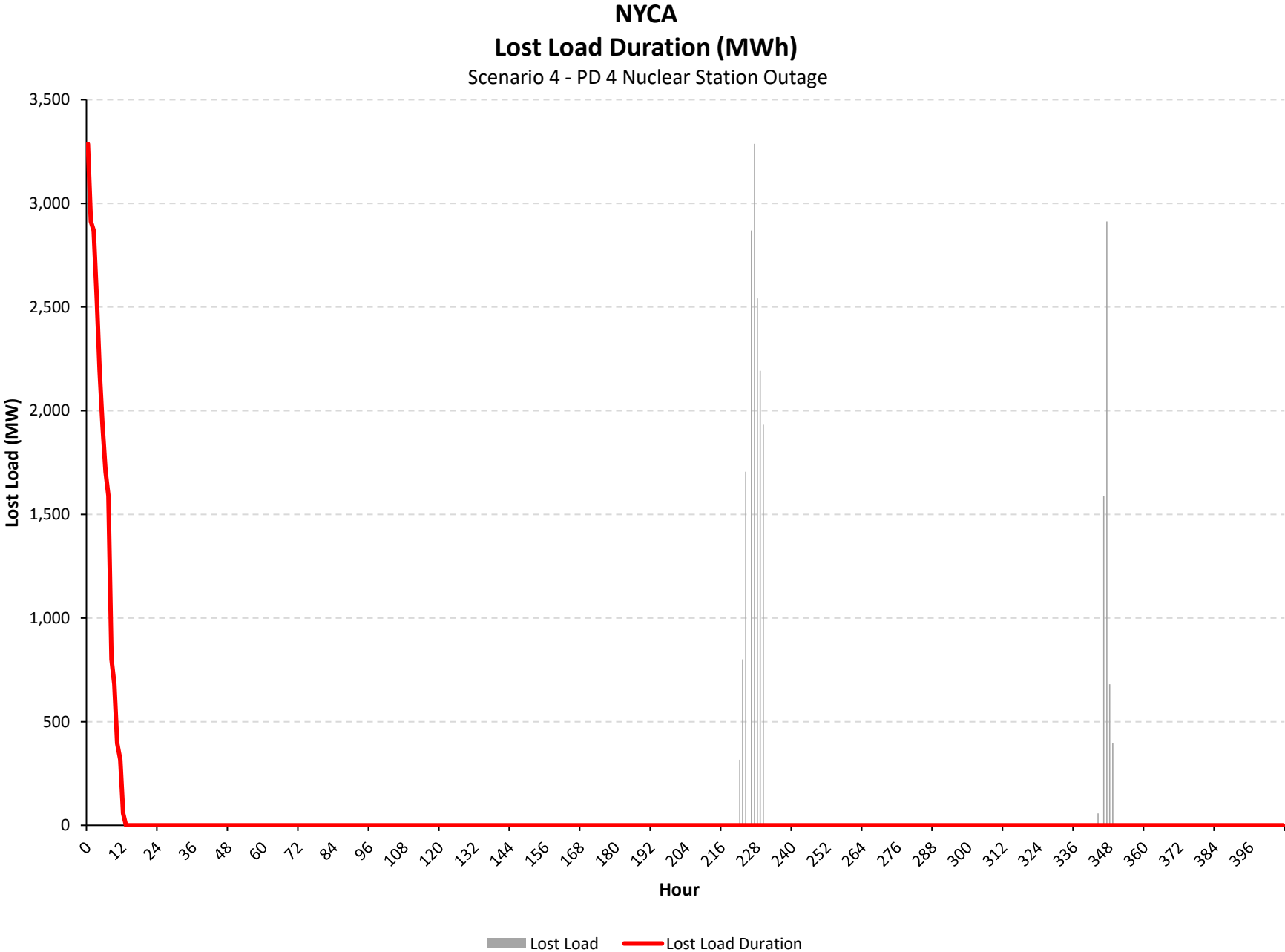
Scenario 4 - PD 4 Nuclear Station Outage



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





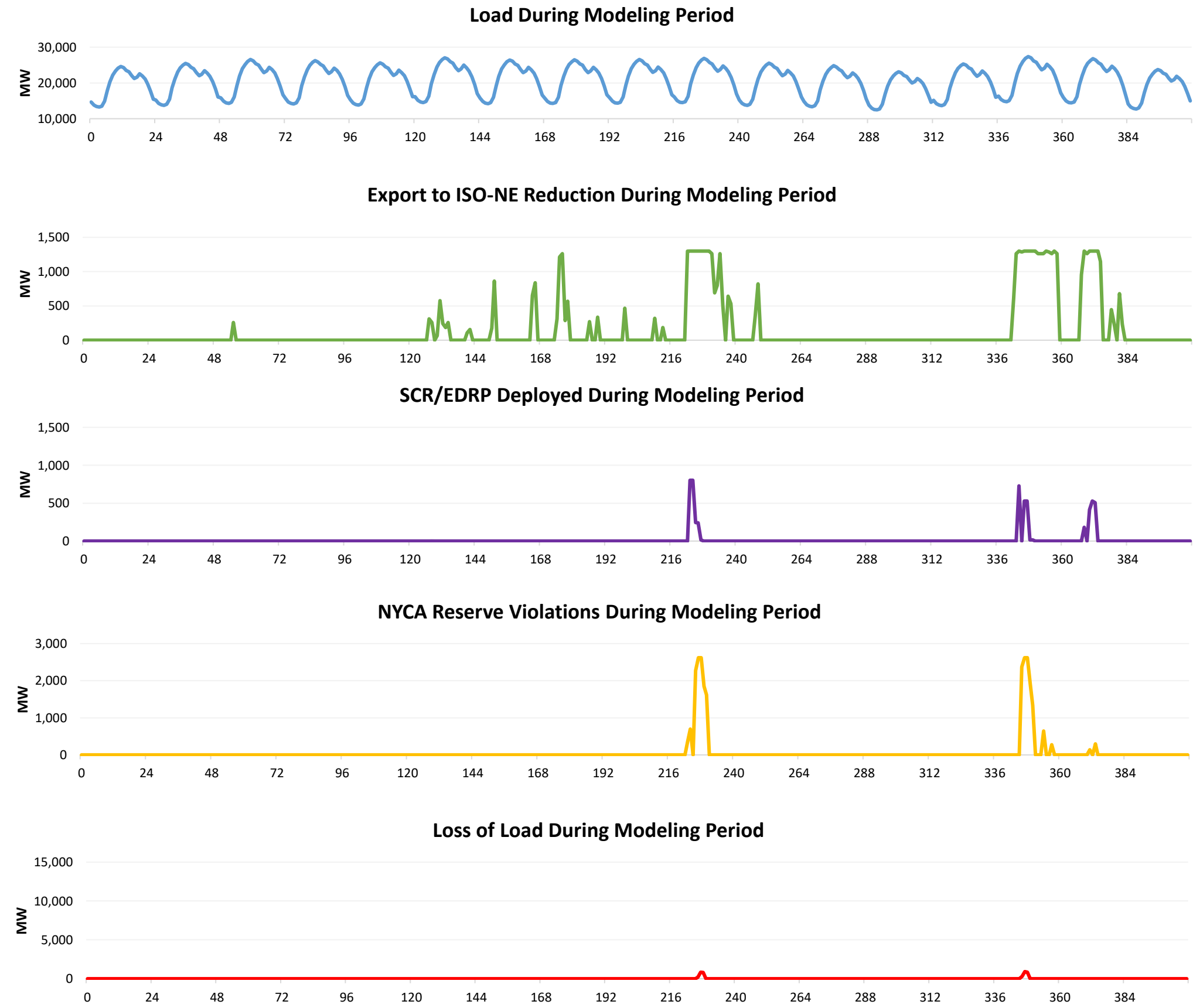


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 5 No Truck Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 71     |
| Total MWh         | 61,349 |
| Avg. MW           | 150.4  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 14    |
| Total MWh      | 5,547 |
| Avg. MW        | 13.6  |

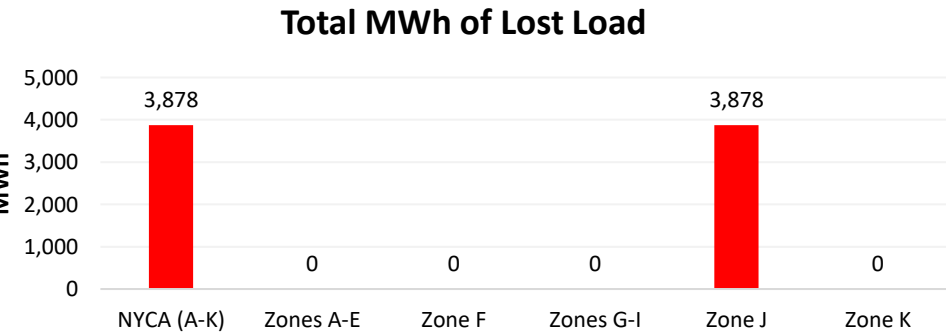
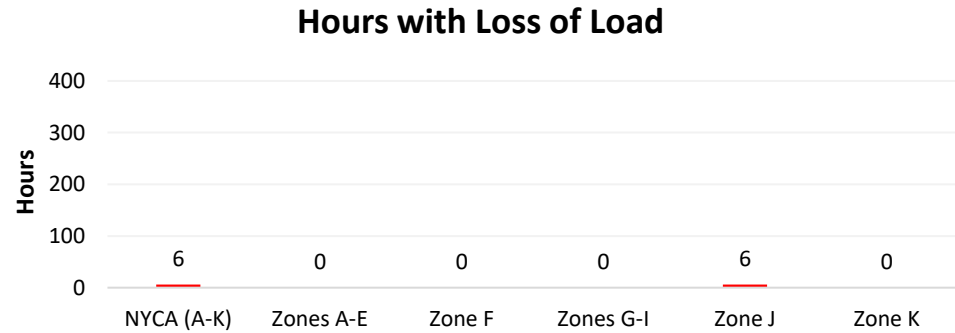
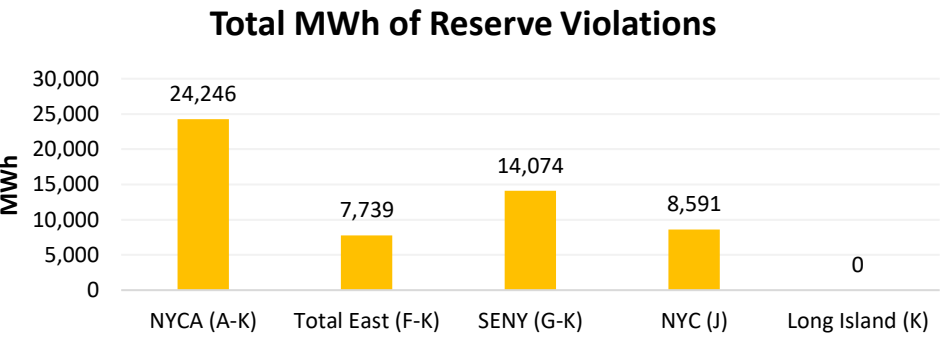
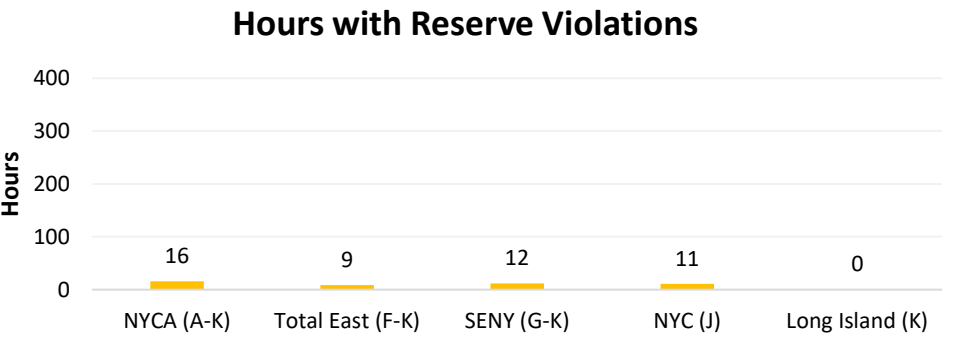
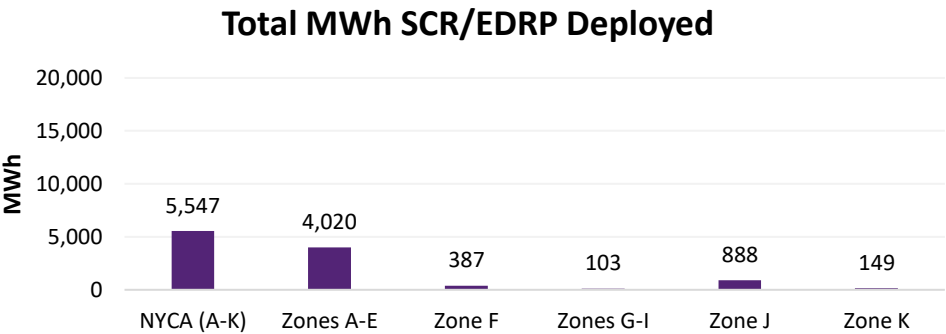
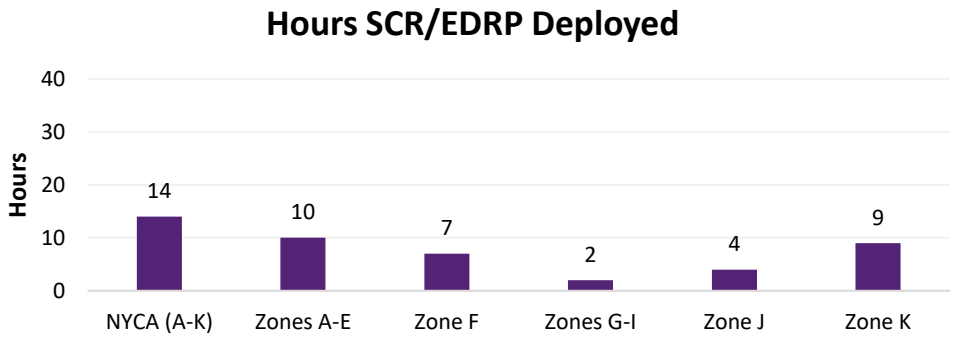
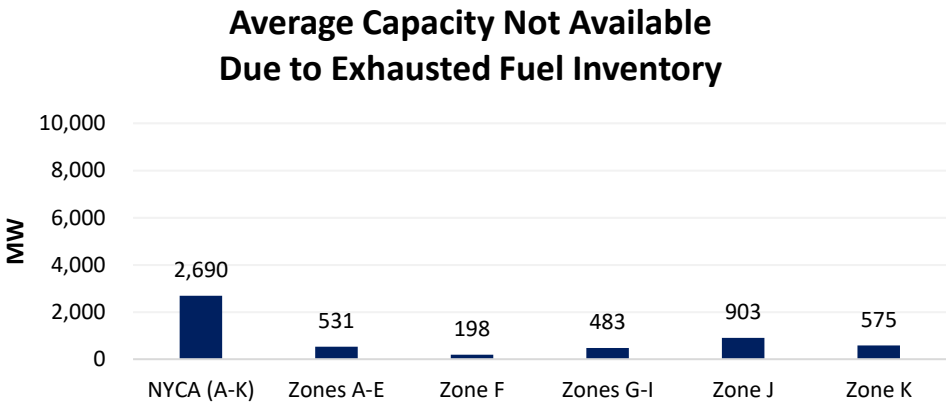
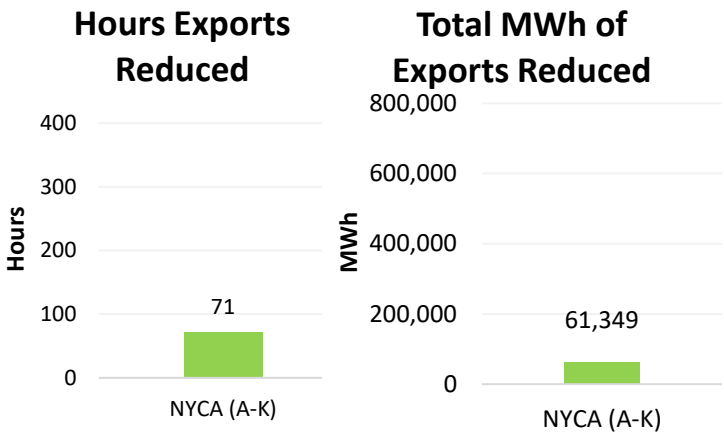
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 16     |
| Total MWh             | 24,246 |
| Avg. MW               | 59.4   |
| First Hour with Viol. | 223    |

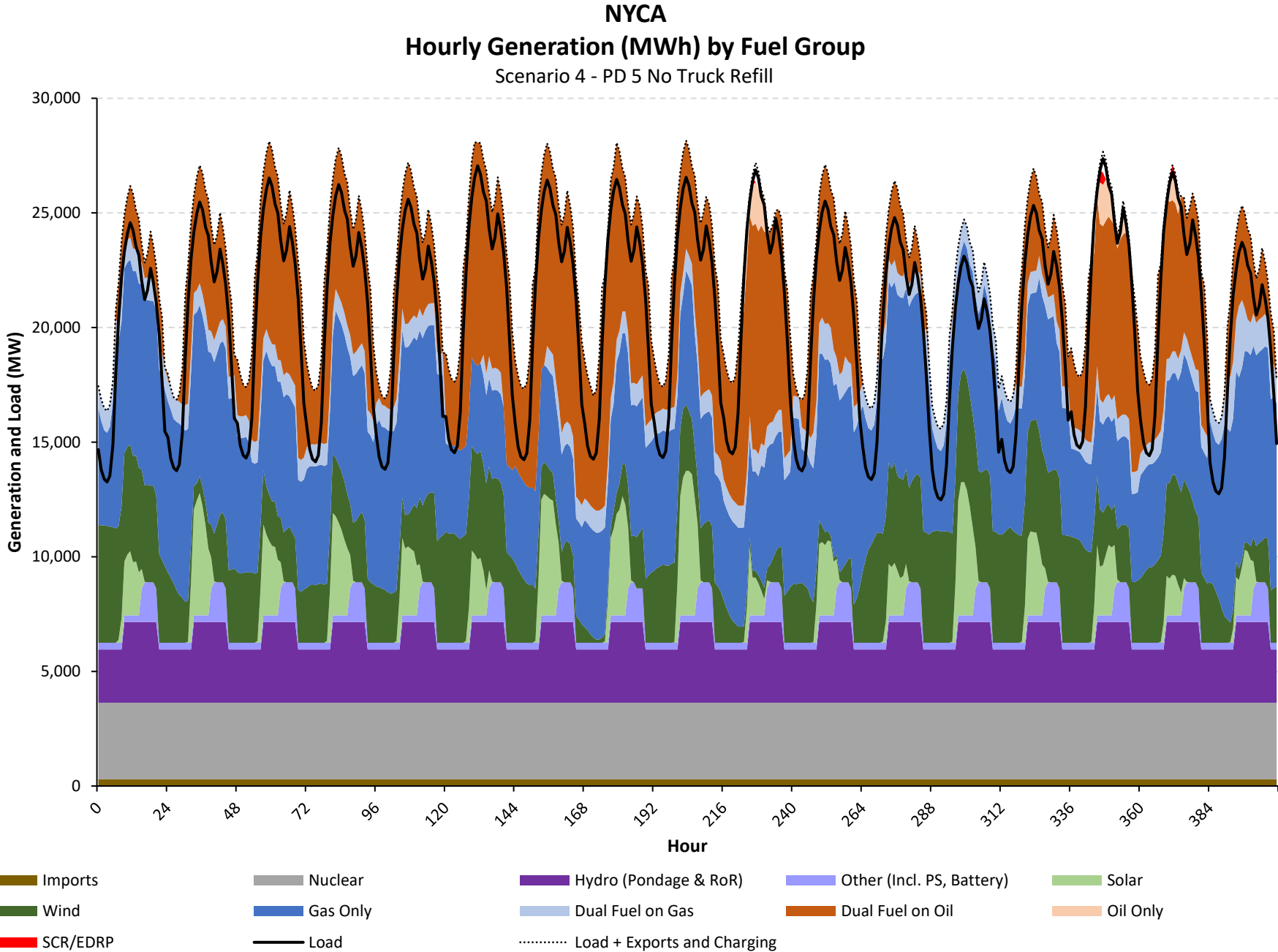
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 6     |
| Total MWh              | 3,878 |
| Avg. MW                | 9.5   |
| First Hour with Losses | 226   |

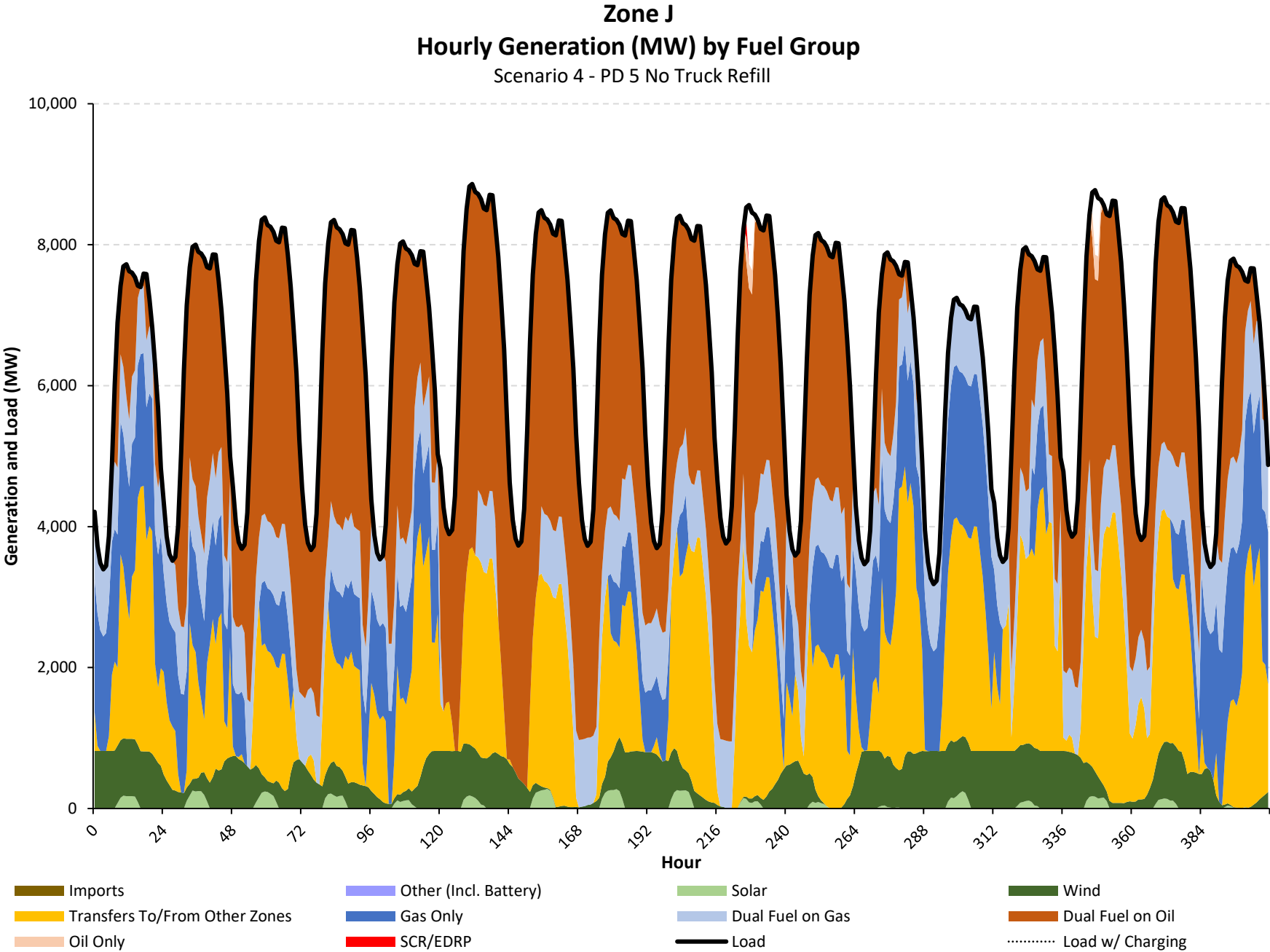
Full Period Results Summary

Case Name: Scenario 4 - PD 5 No Truck Refill

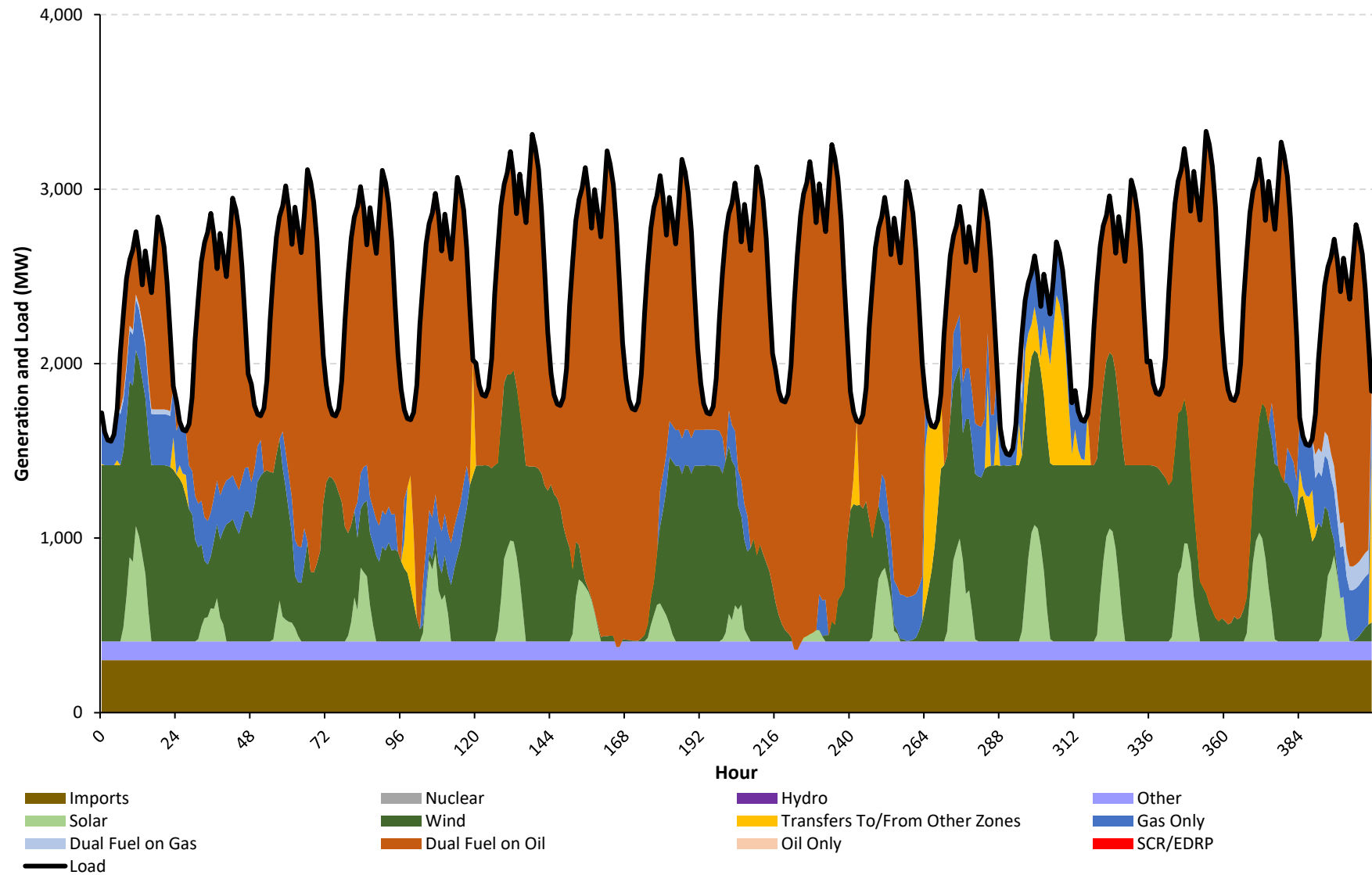
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

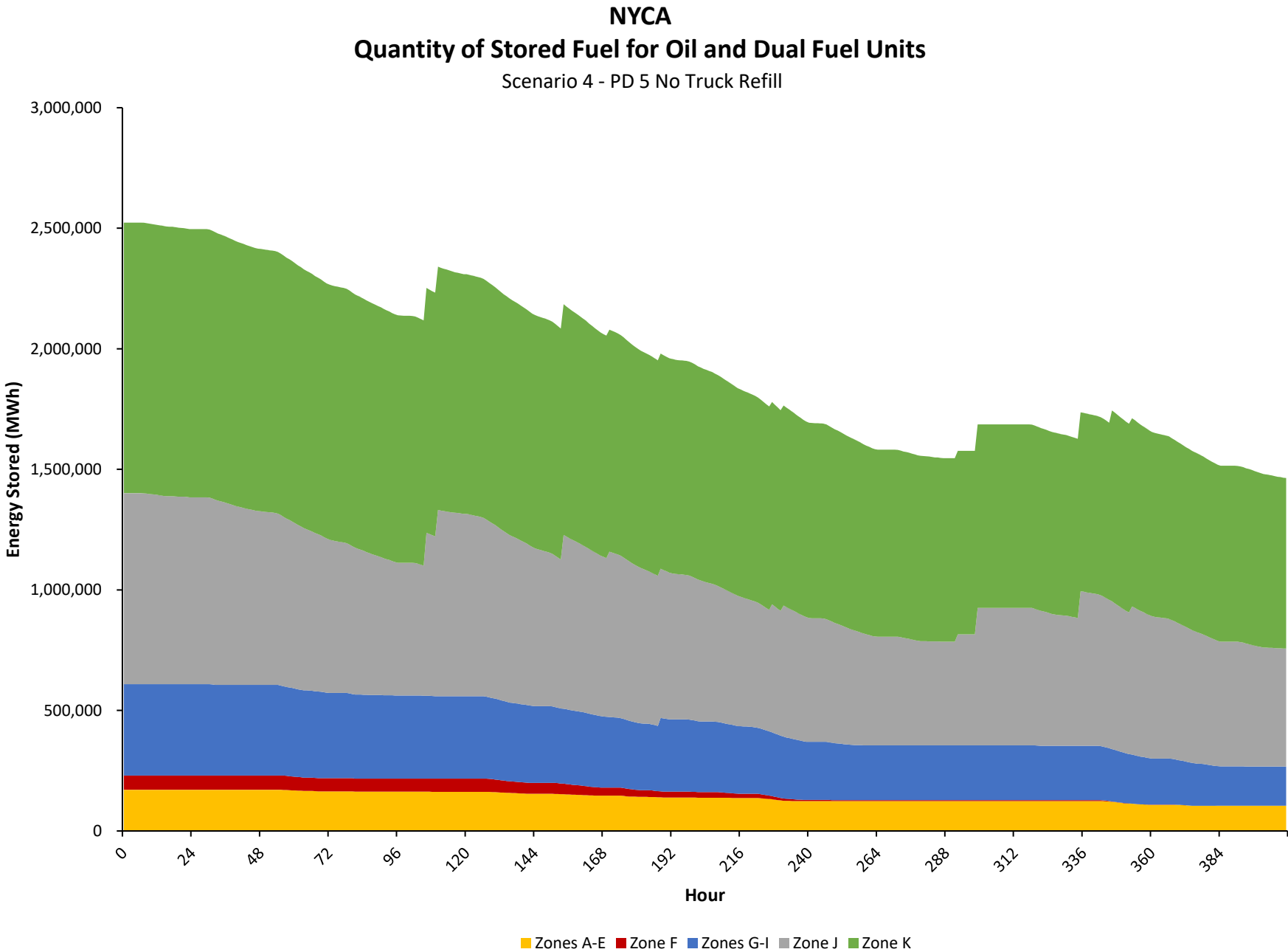


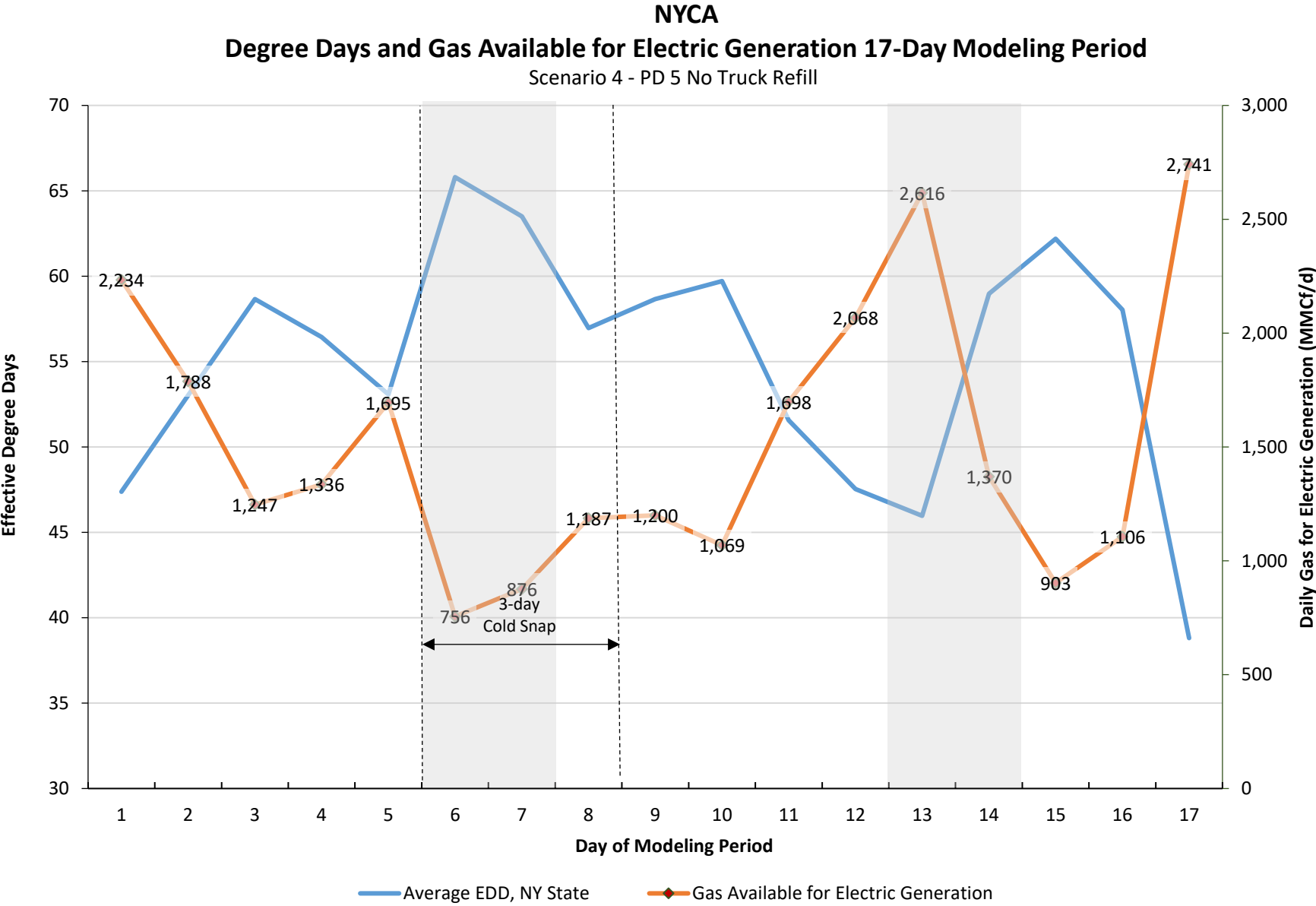




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 5 No Truck Refill

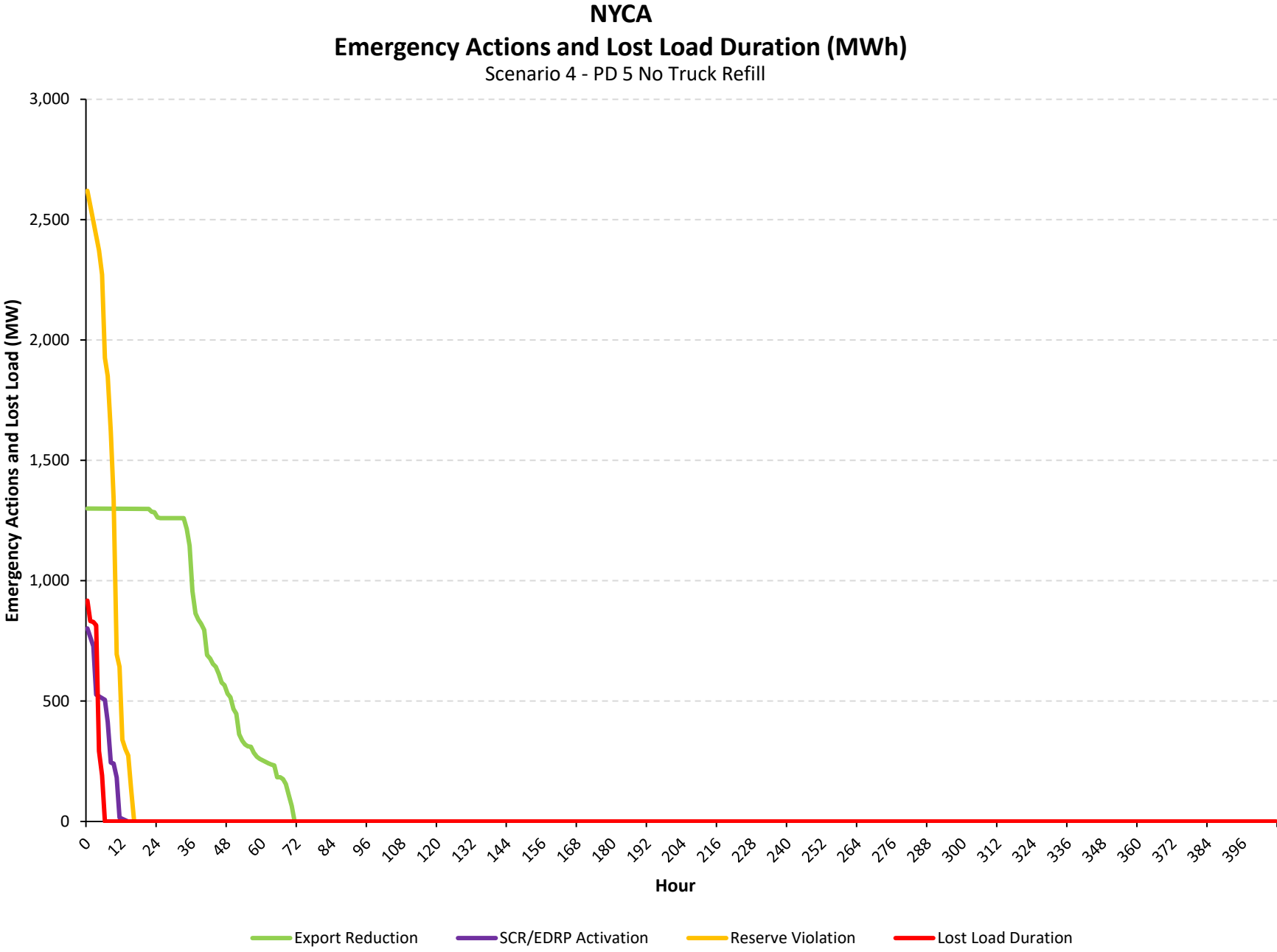


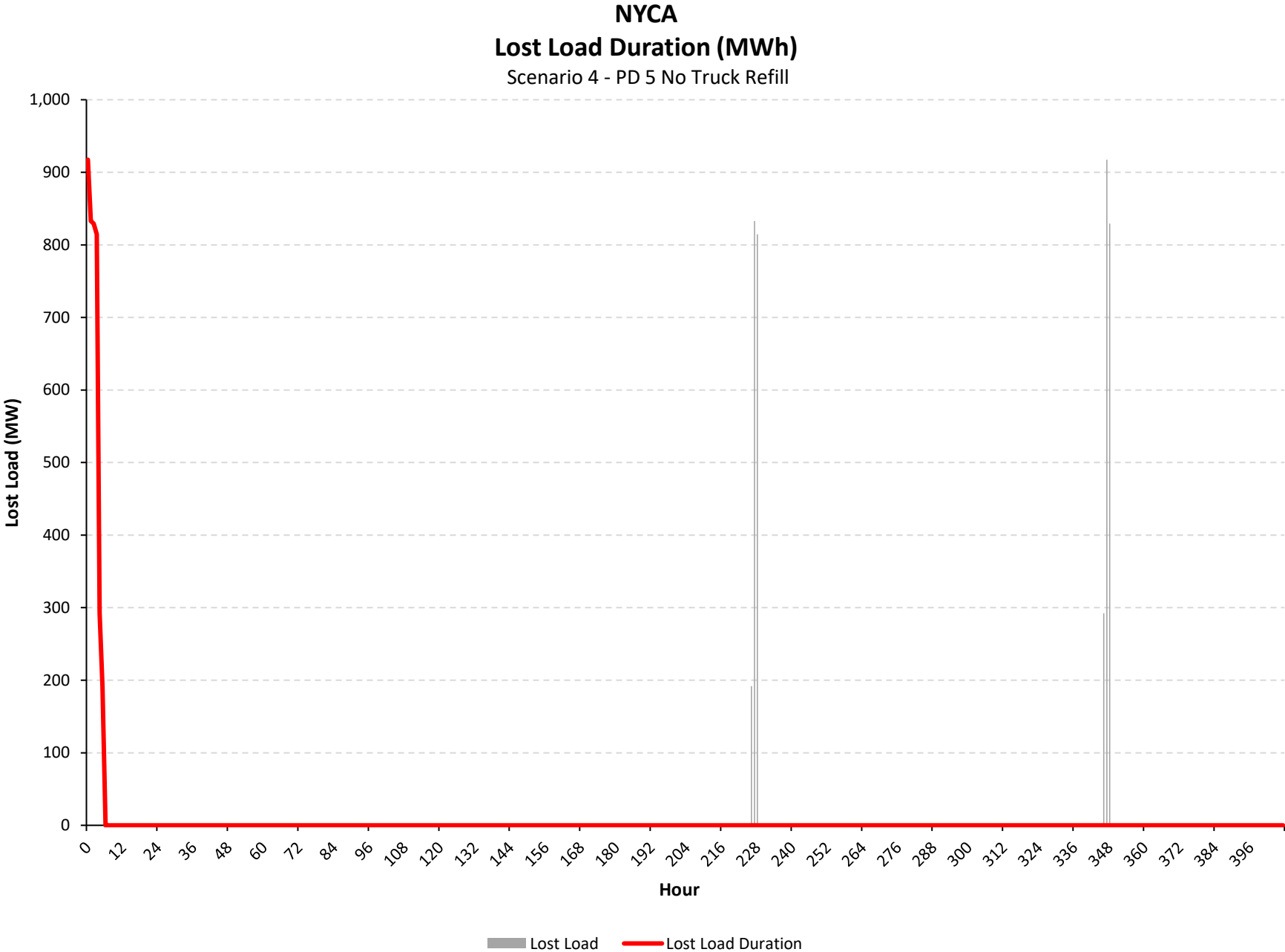




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





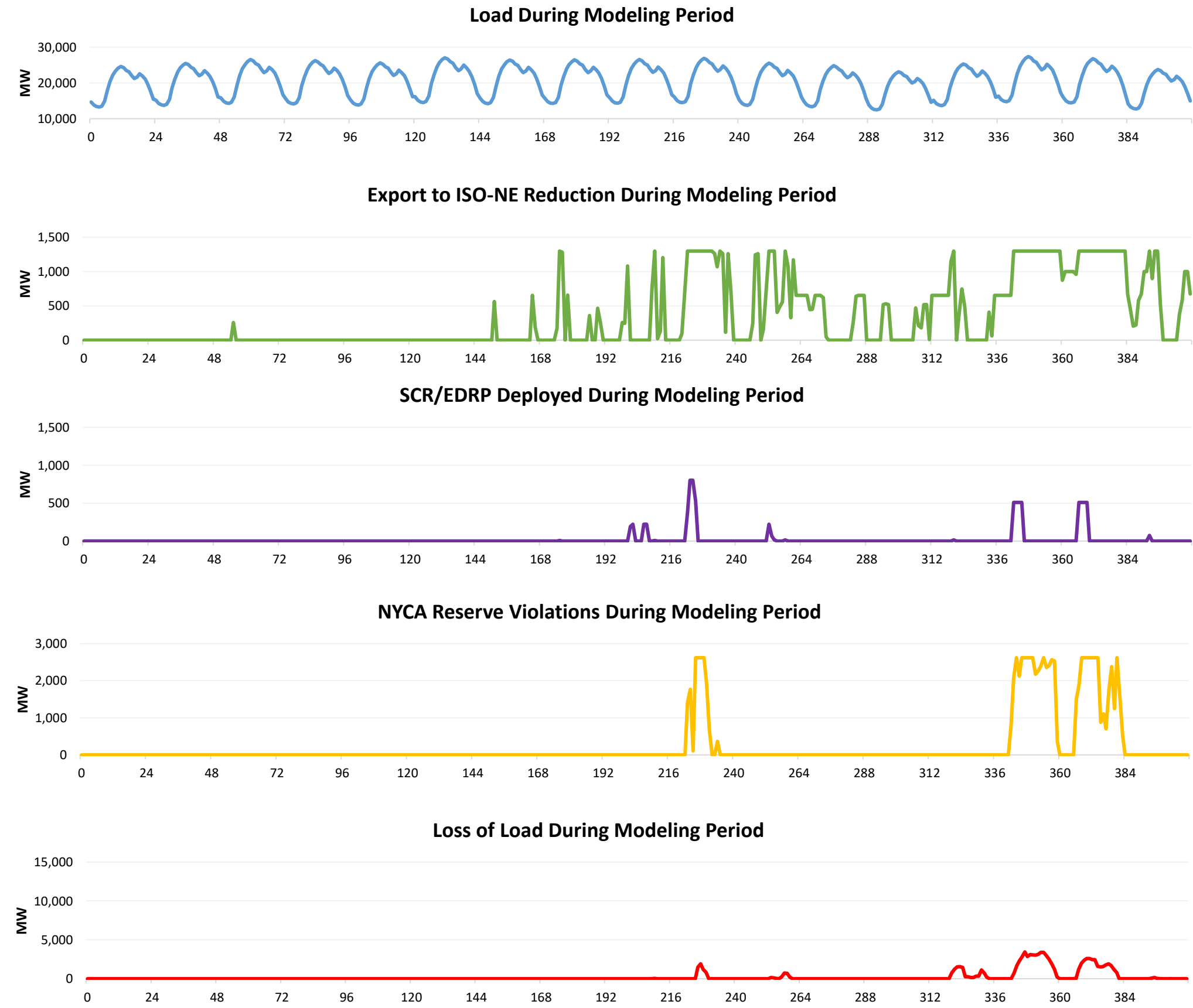


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 6 No Barge Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Barge  |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 161     |
| Total MWh         | 138,039 |
| Avg. MW           | 338.3   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 24    |
| Total MWh      | 7,878 |
| Avg. MW        | 19.3  |

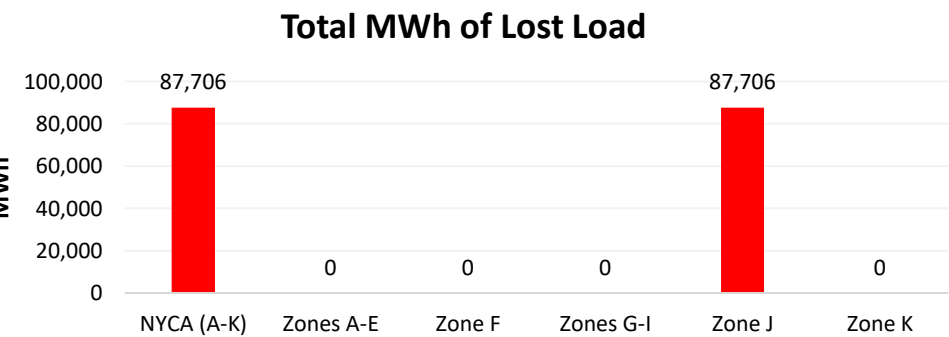
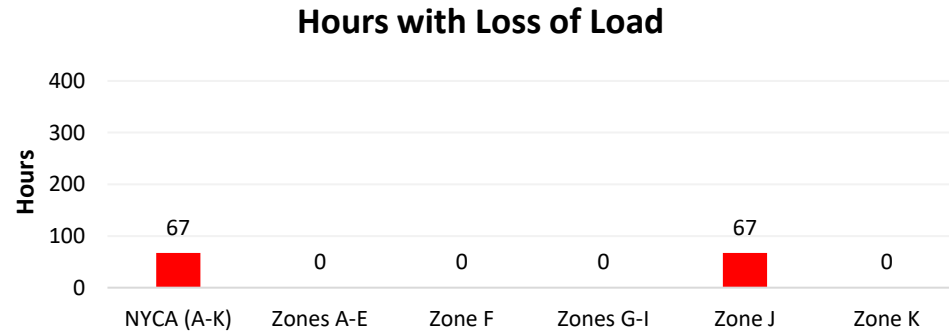
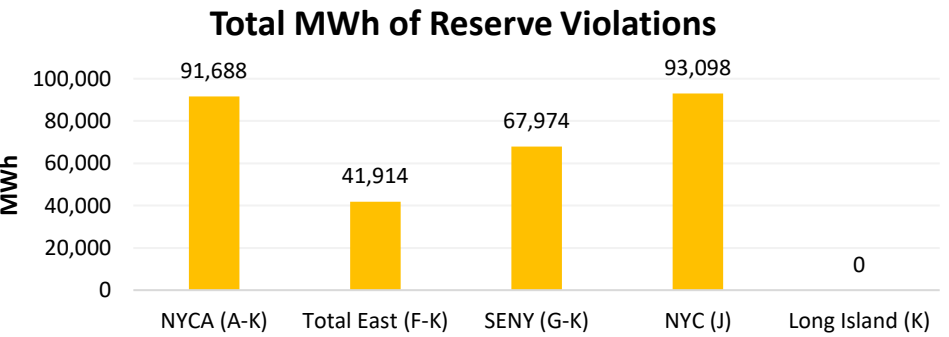
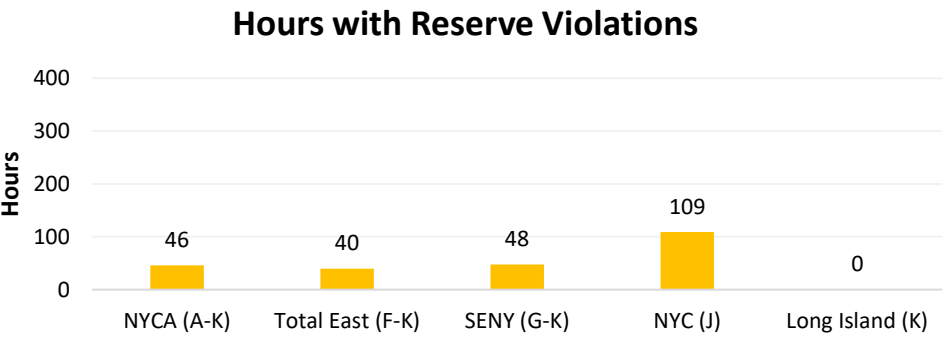
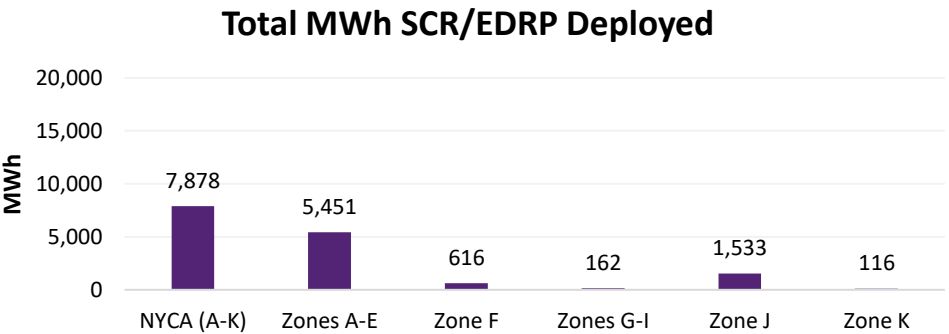
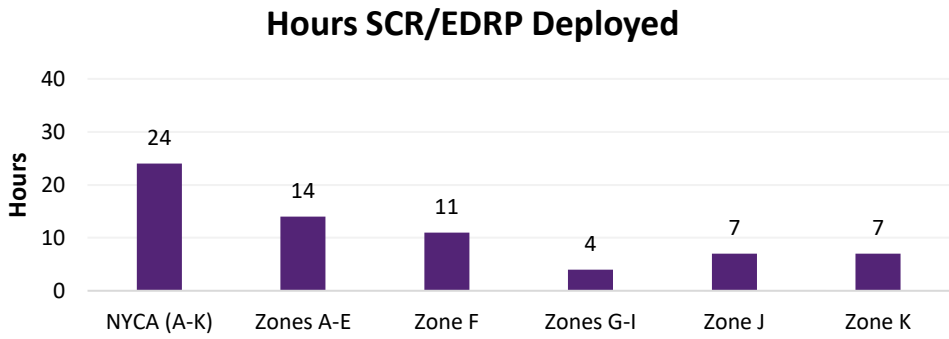
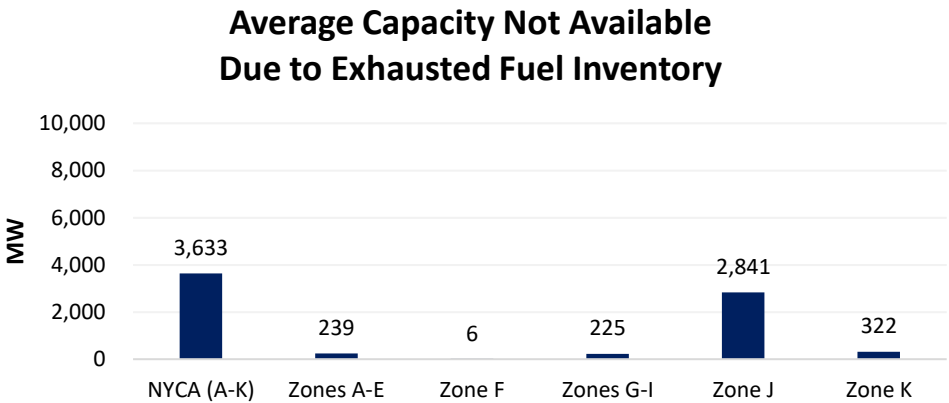
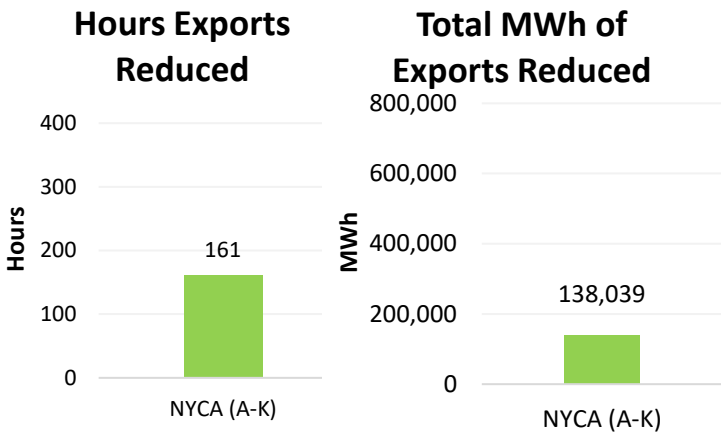
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 46     |
| Total MWh             | 91,688 |
| Avg. MW               | 224.7  |
| First Hour with Viol. | 202    |

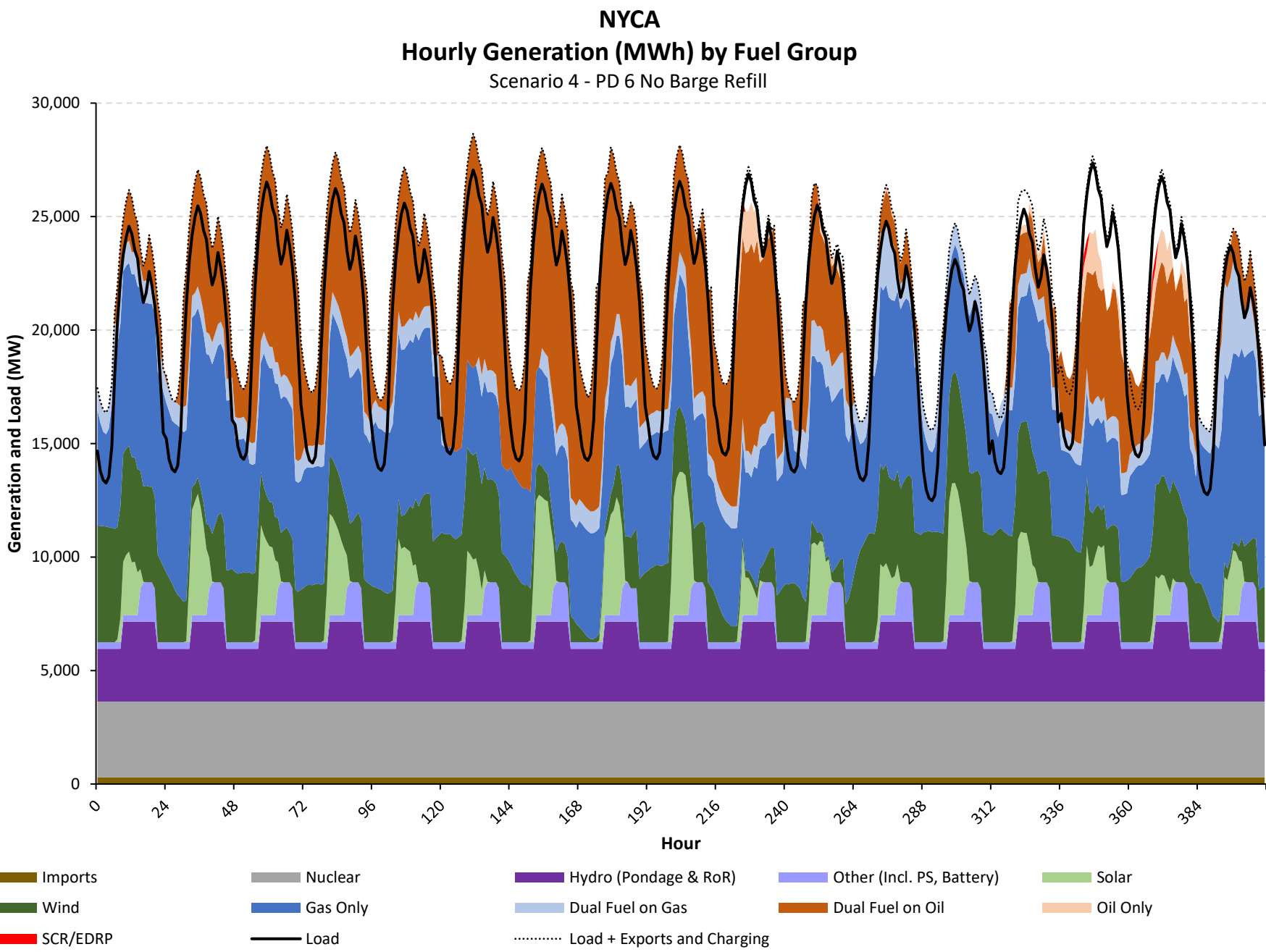
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 67     |
| Total MWh              | 87,706 |
| Avg. MW                | 215.0  |
| First Hour with Losses | 209    |

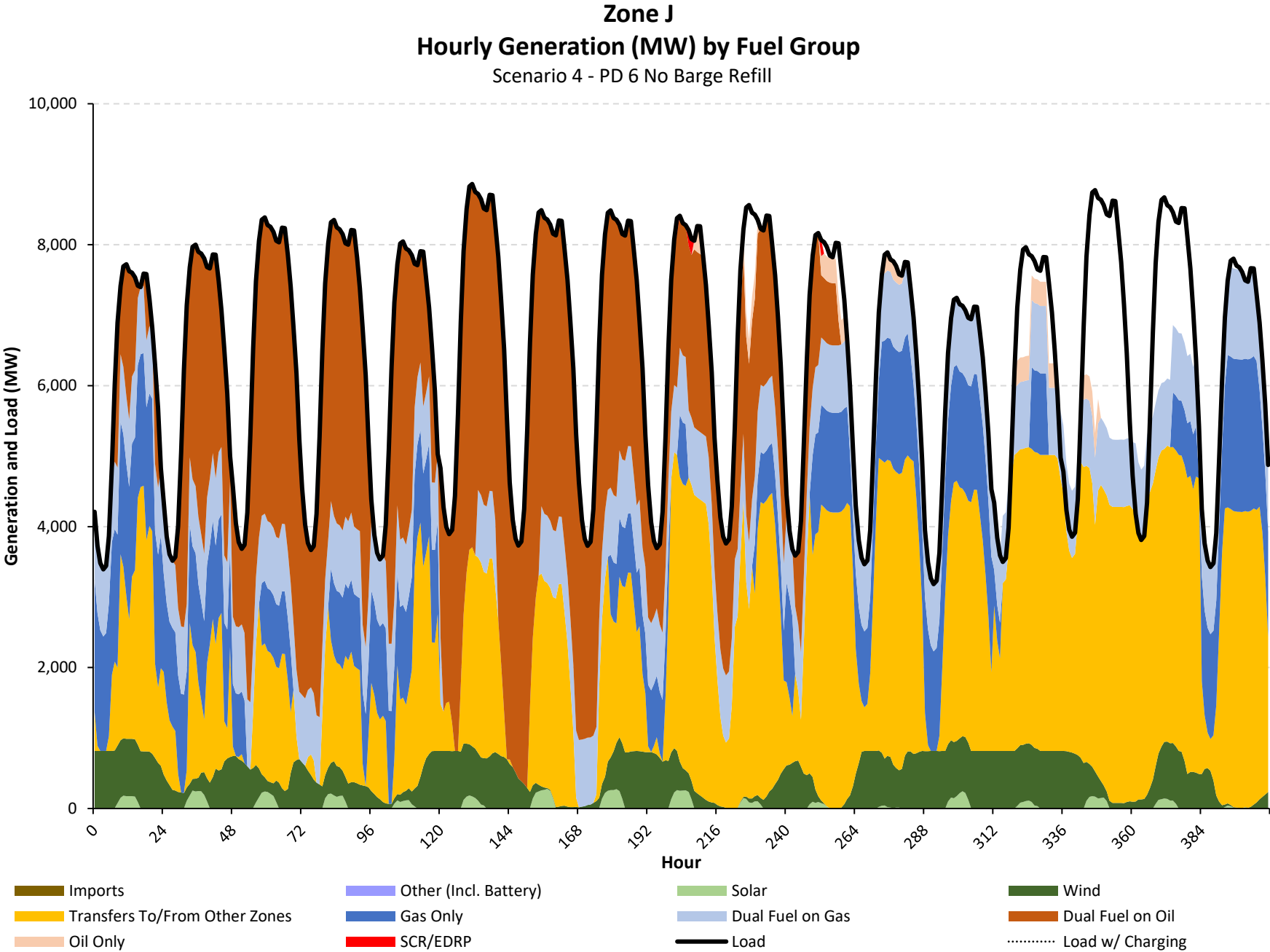
Full Period Results Summary

Case Name: Scenario 4 - PD 6 No Barge Refill

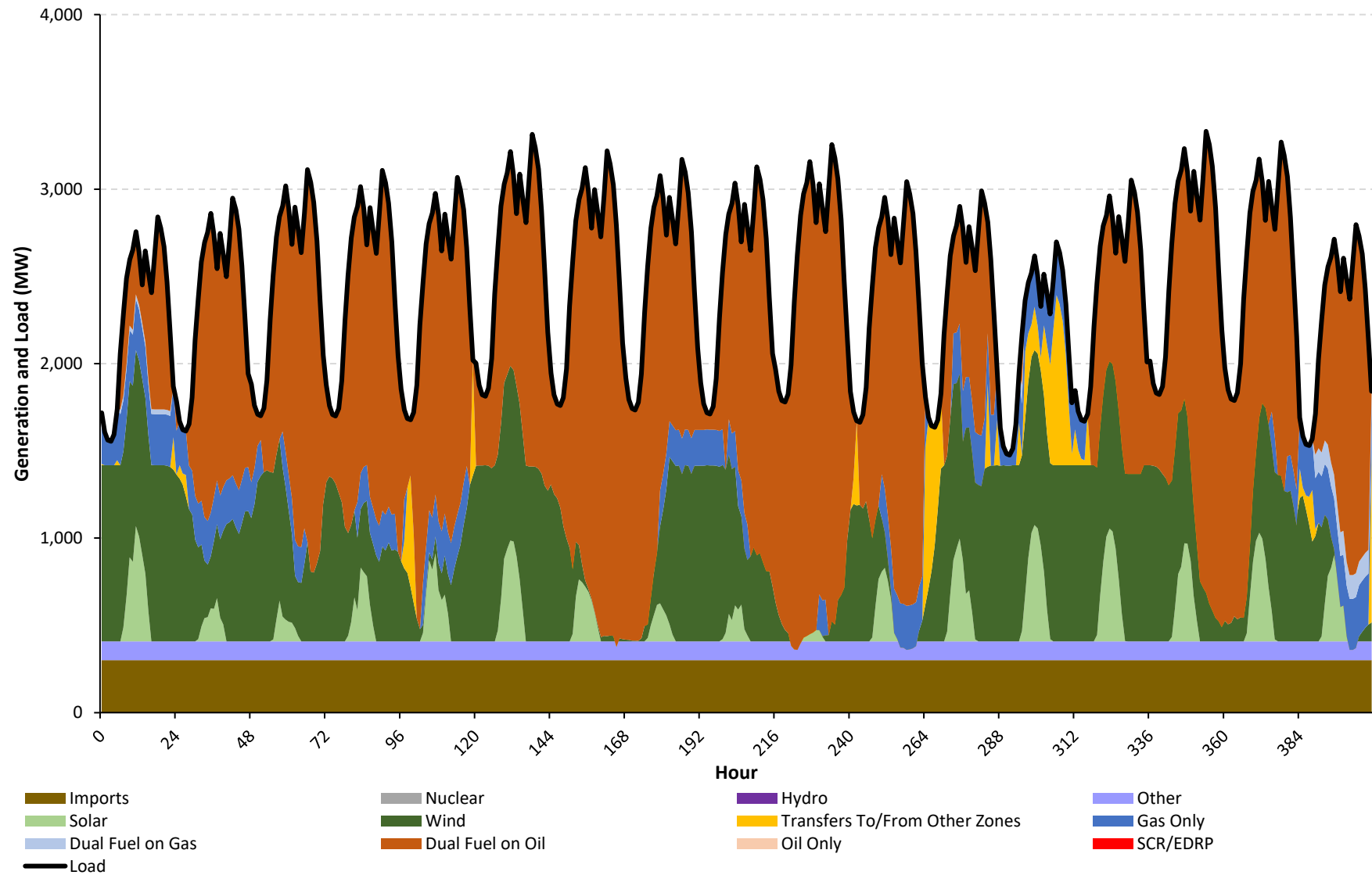
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Barge  |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |





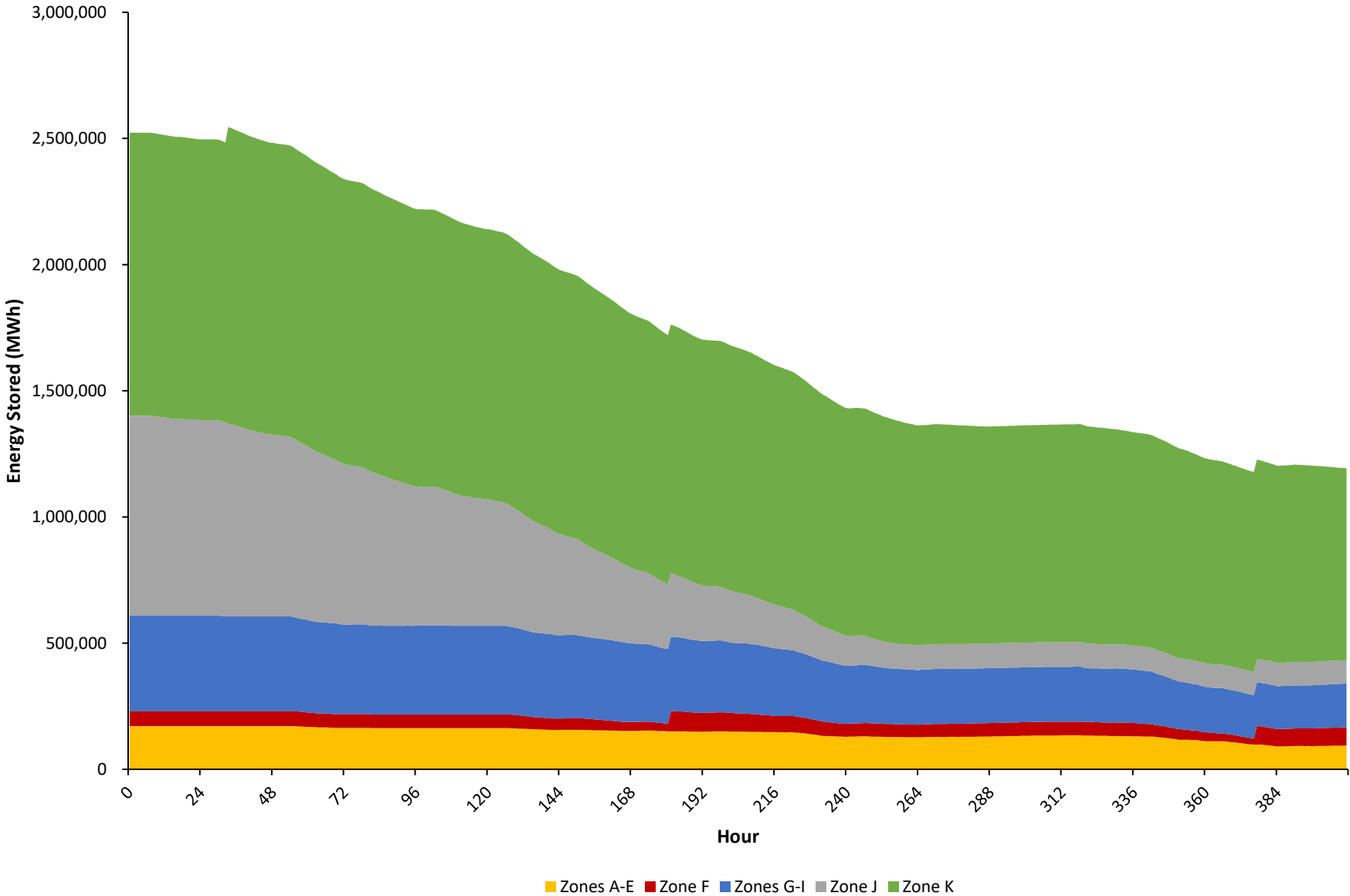


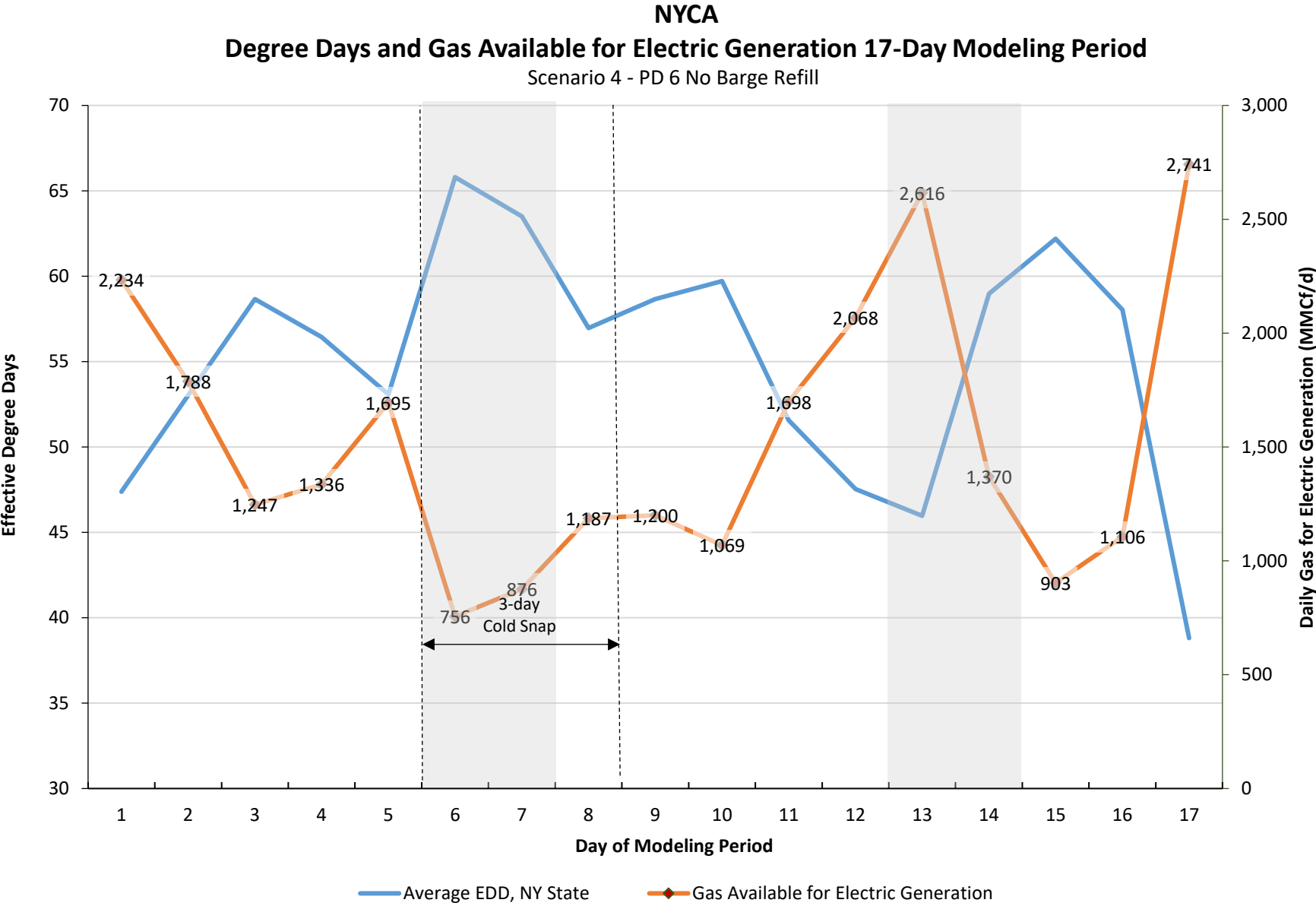
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 6 No Barge Refill



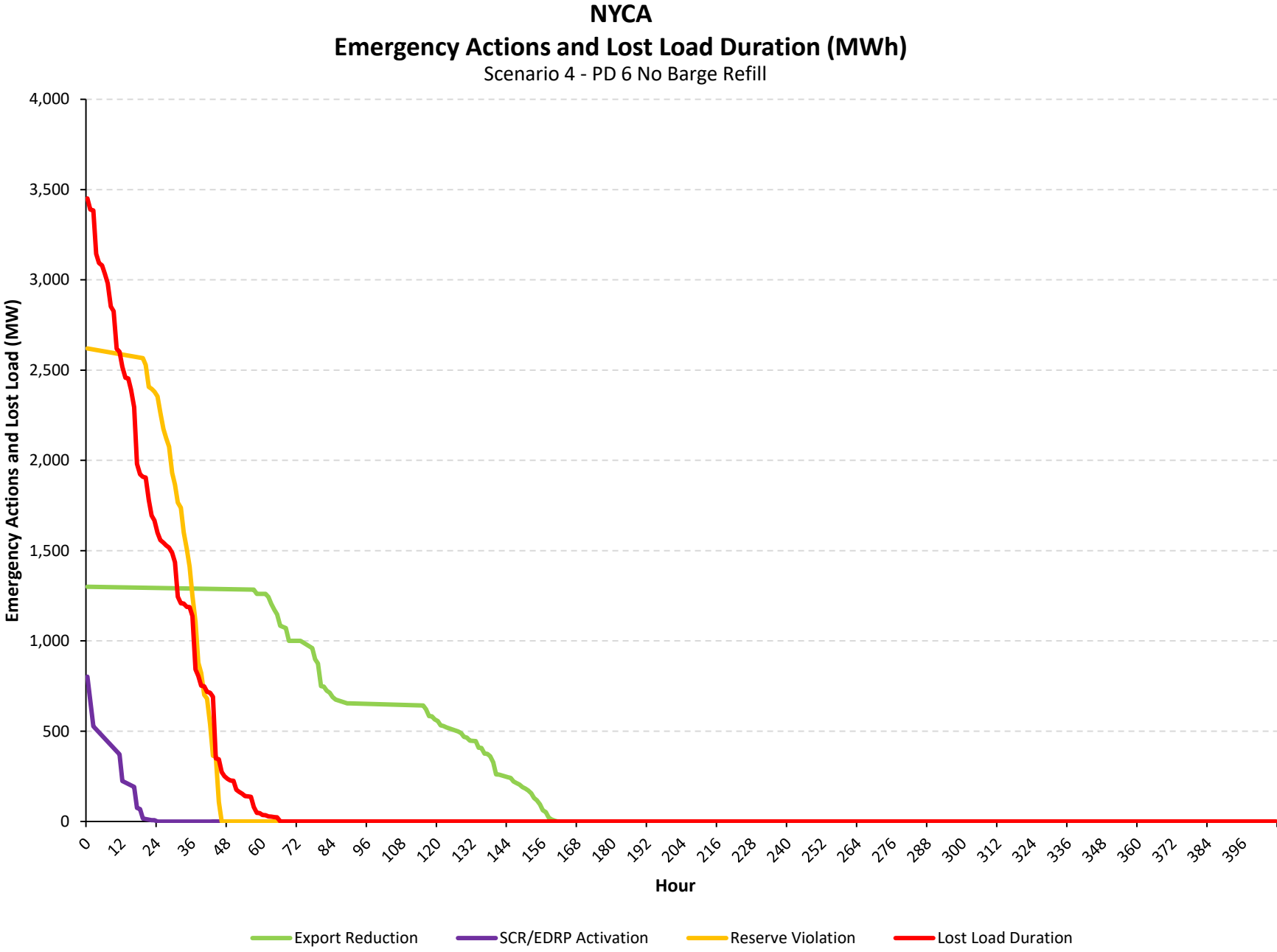


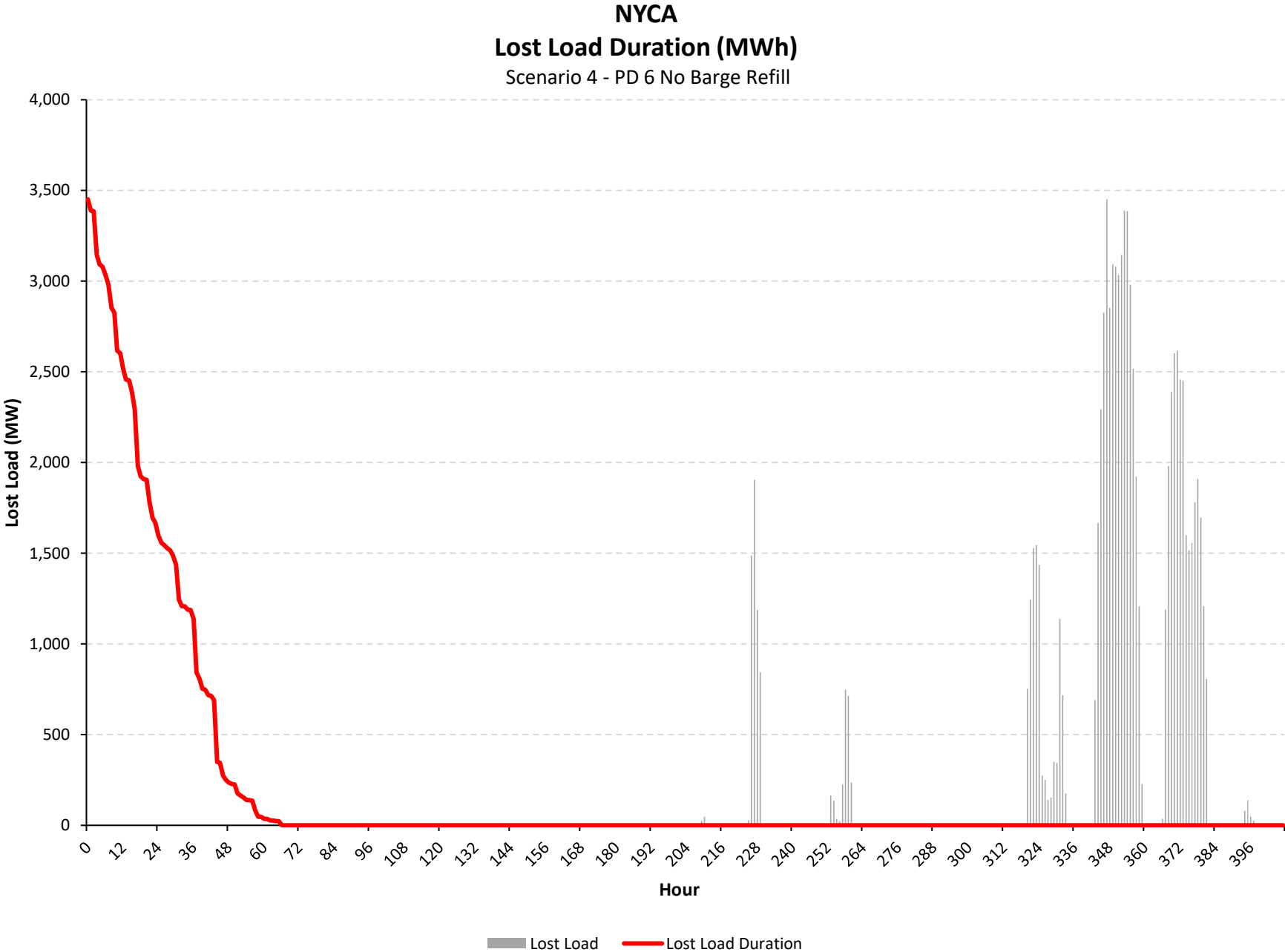
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 4 - PD 6 No Barge Refill





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



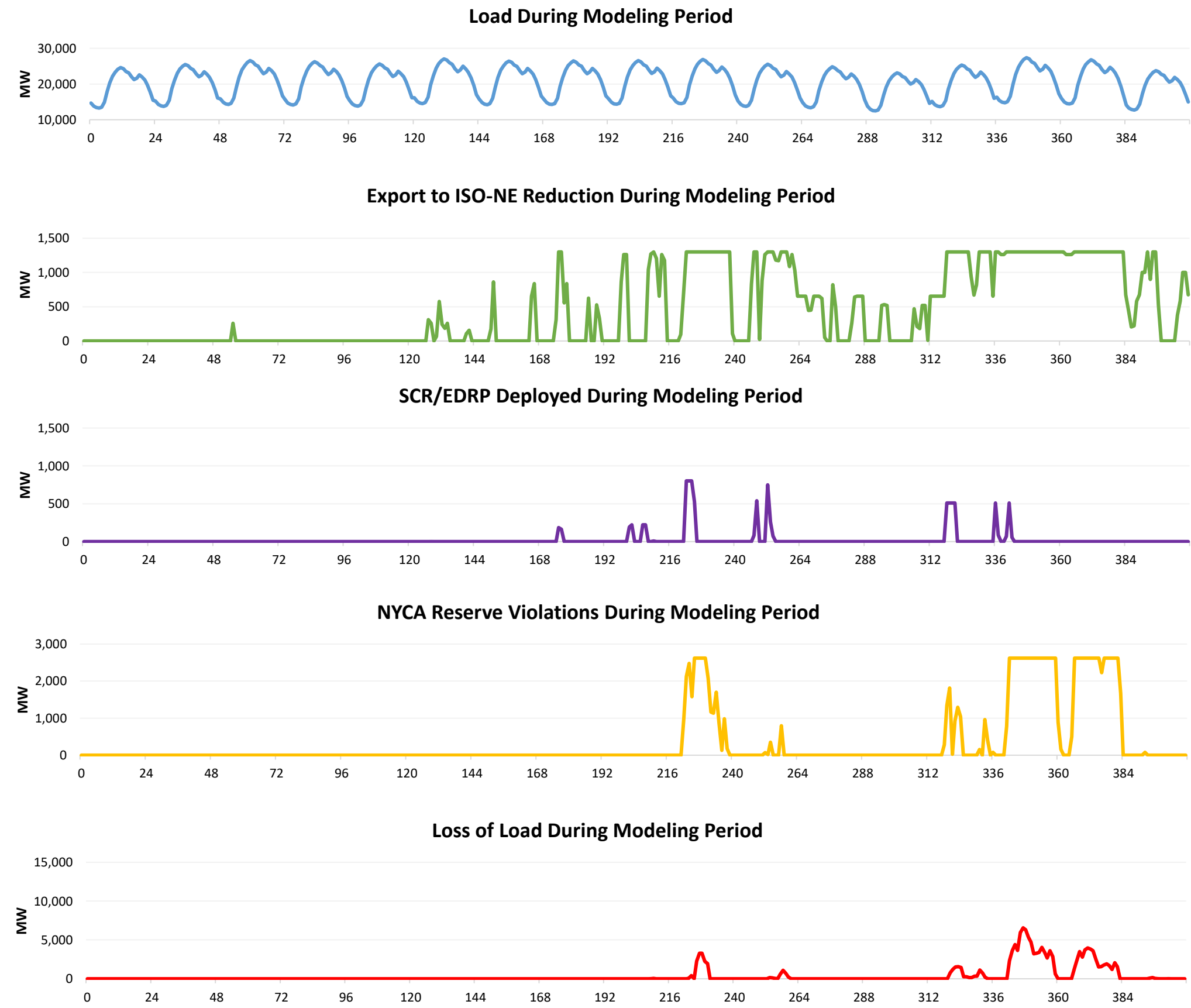


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 7 No Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 186     |
| Total MWh         | 179,151 |
| Avg. MW           | 439.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 25    |
| Total MWh      | 9,120 |
| Avg. MW        | 22.4  |

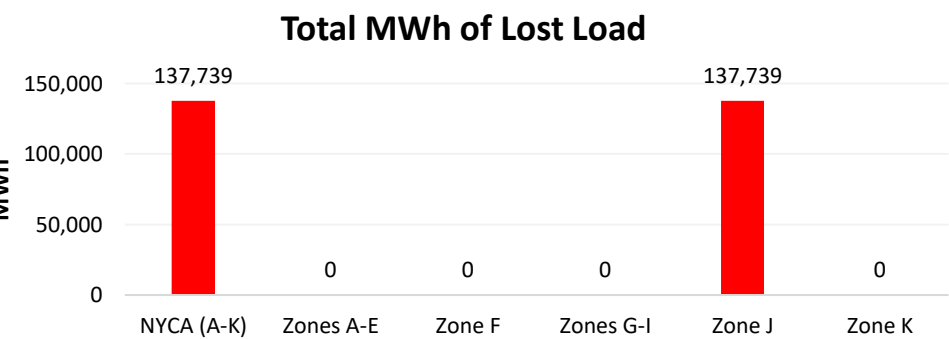
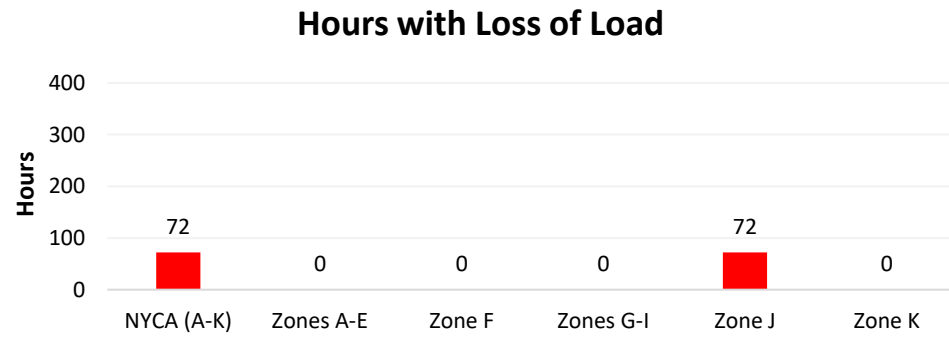
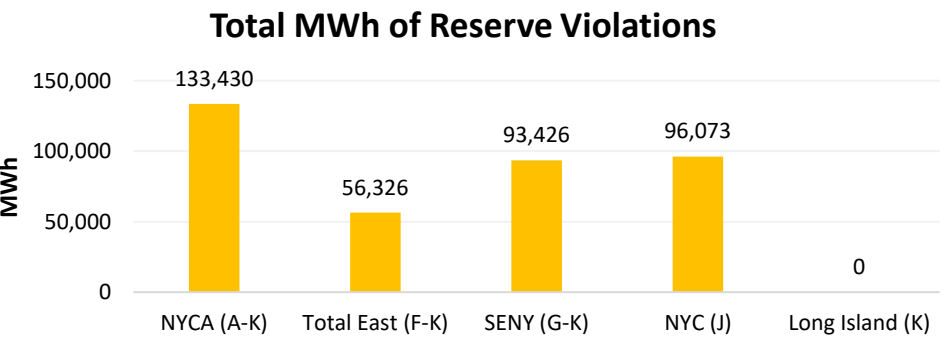
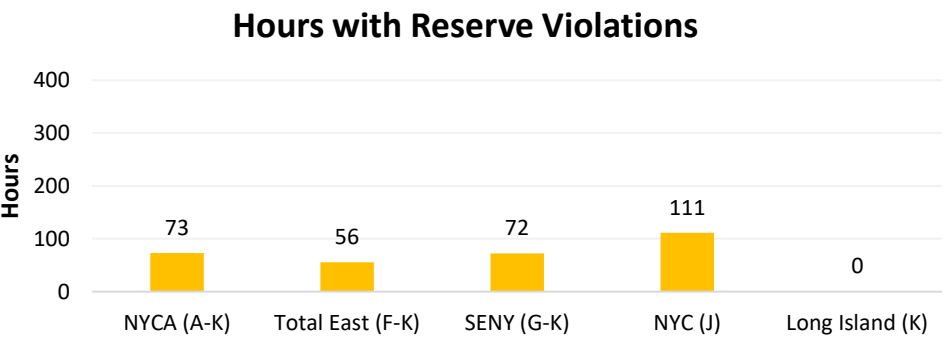
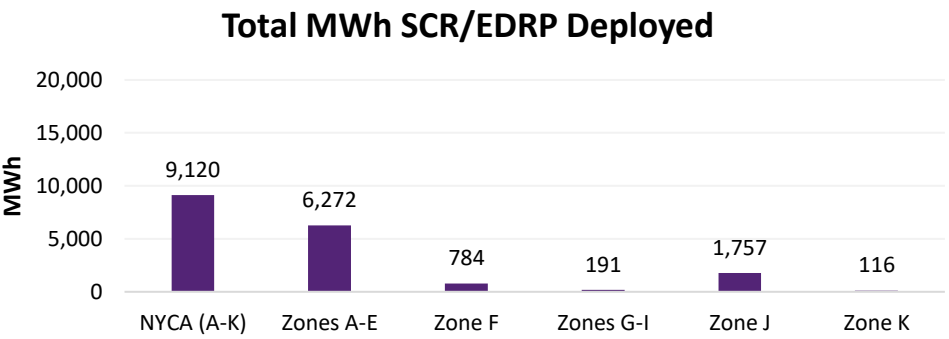
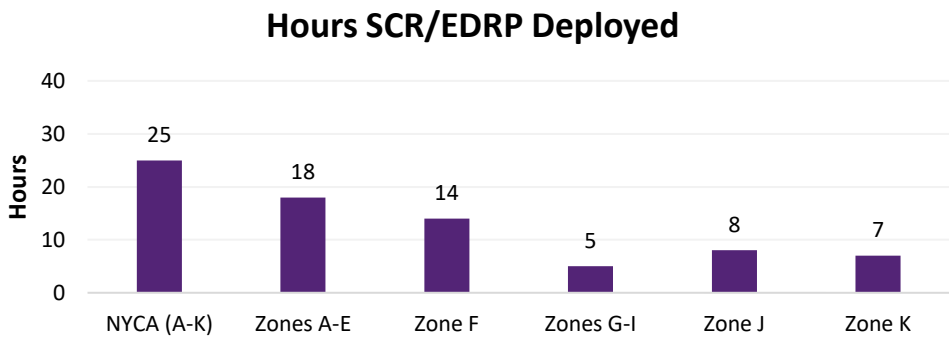
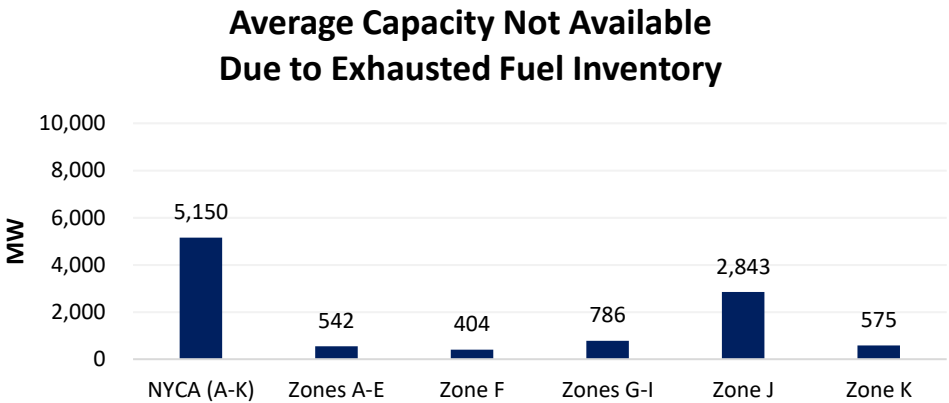
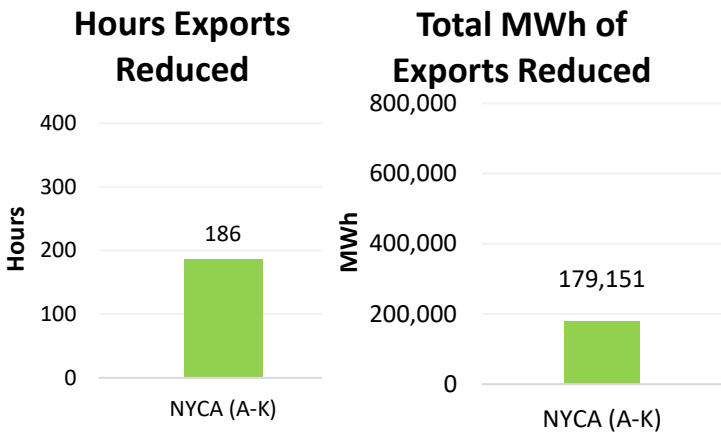
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 73      |
| Total MWh             | 133,430 |
| Avg. MW               | 327.0   |
| First Hour with Viol. | 202     |

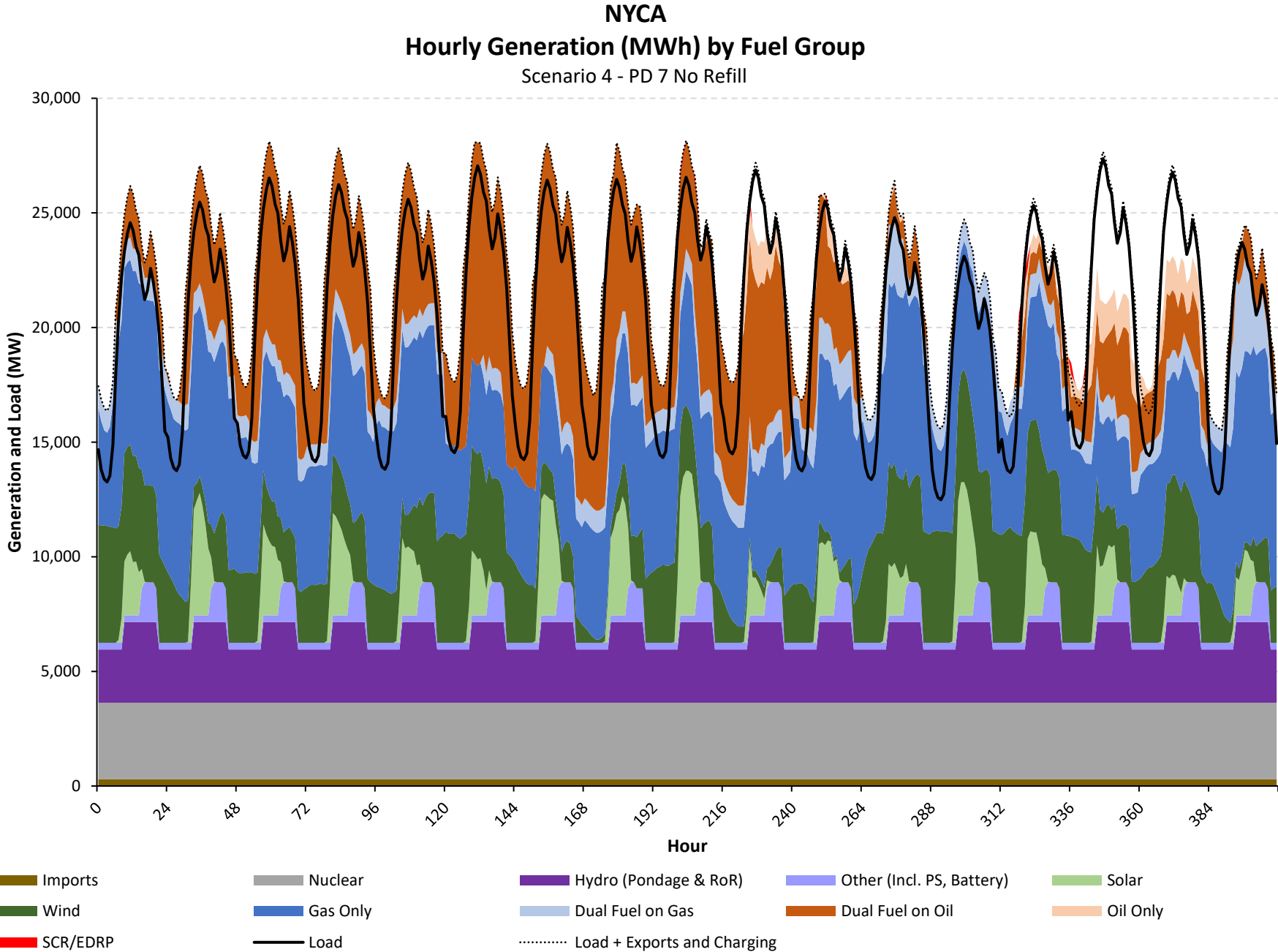
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 72      |
| Total MWh              | 137,739 |
| Avg. MW                | 337.6   |
| First Hour with Losses | 209     |

Full Period Results Summary

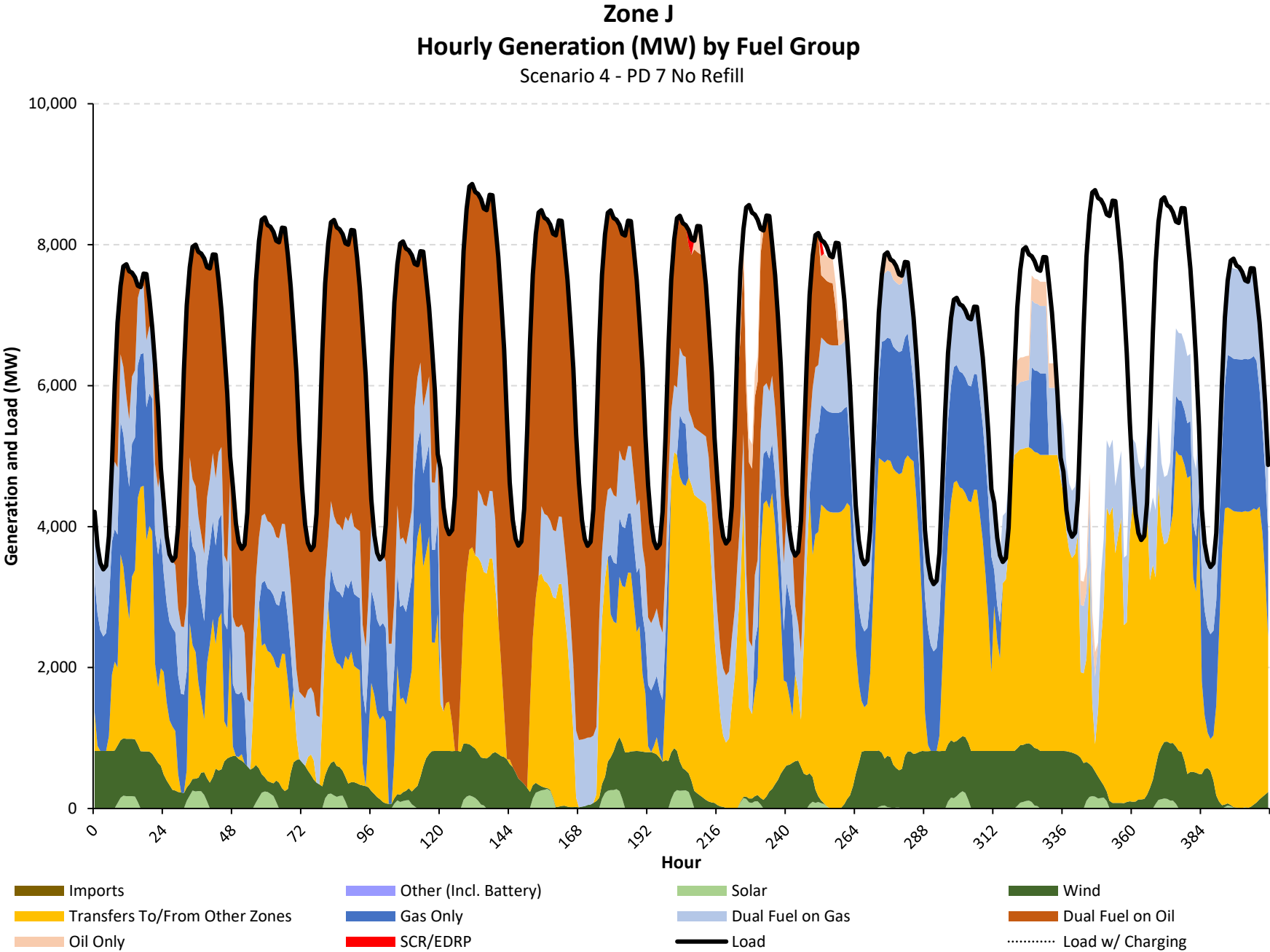
Case Name: Scenario 4 - PD 7 No Refill

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

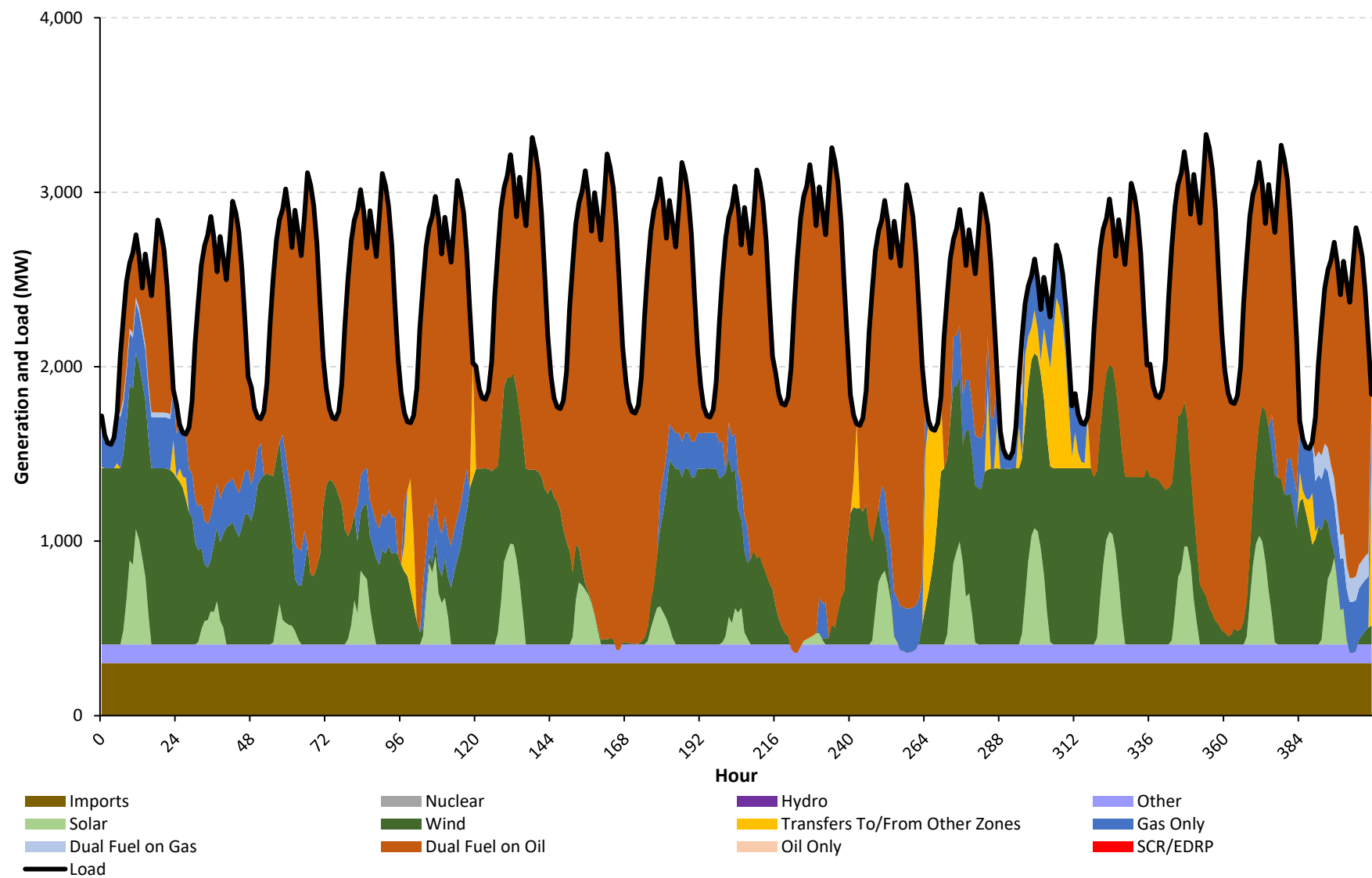




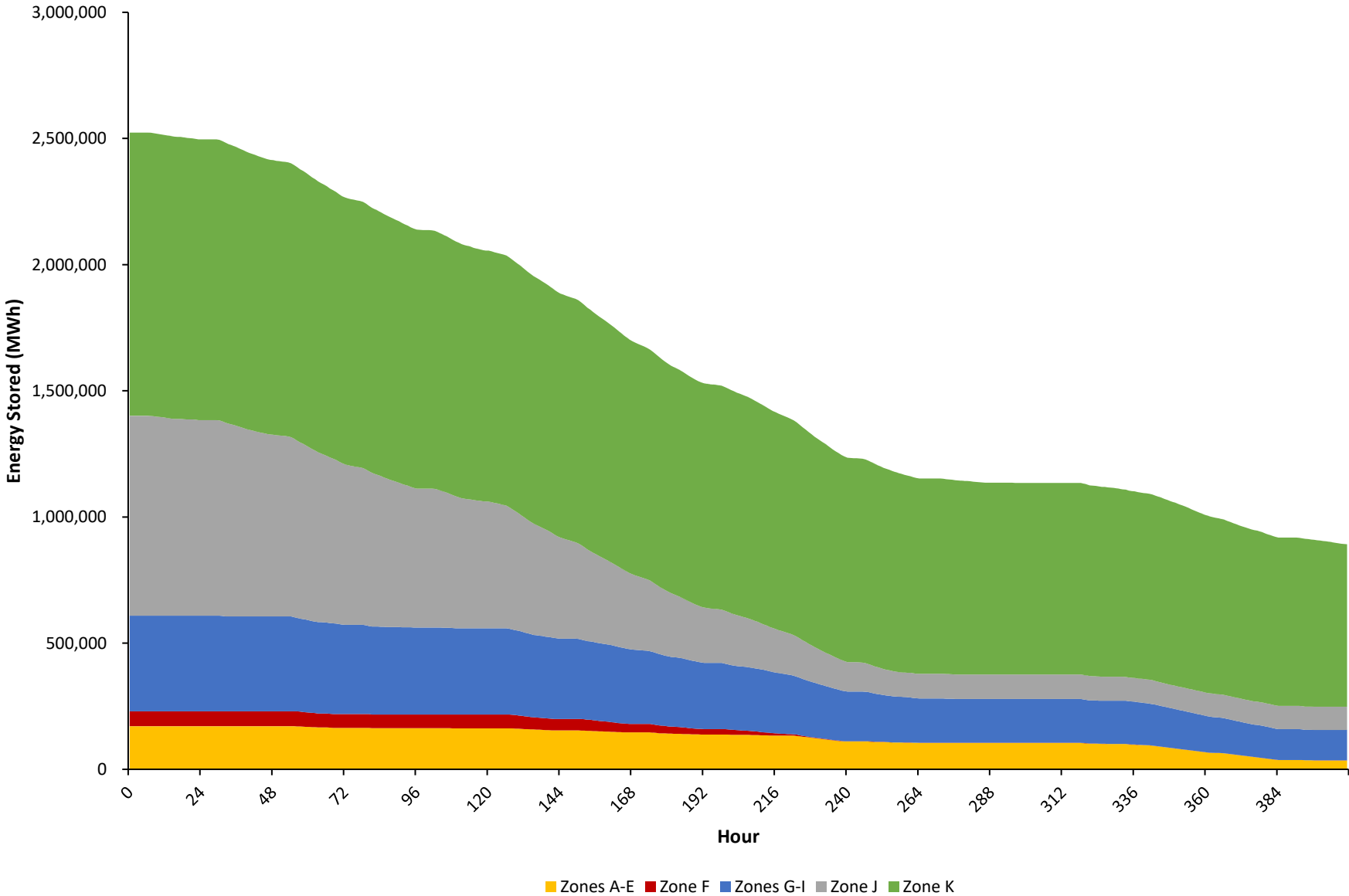


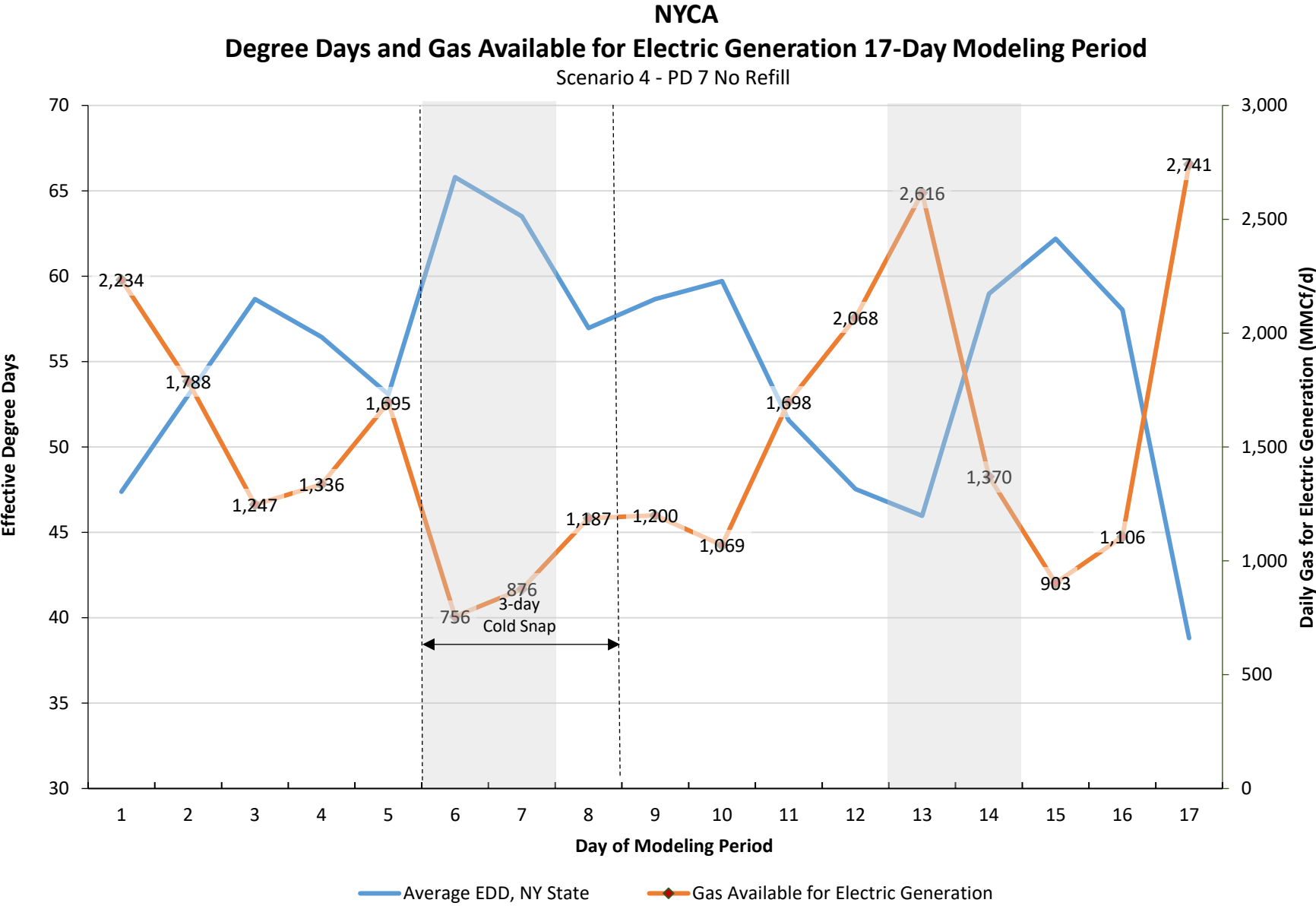


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 7 No Refill

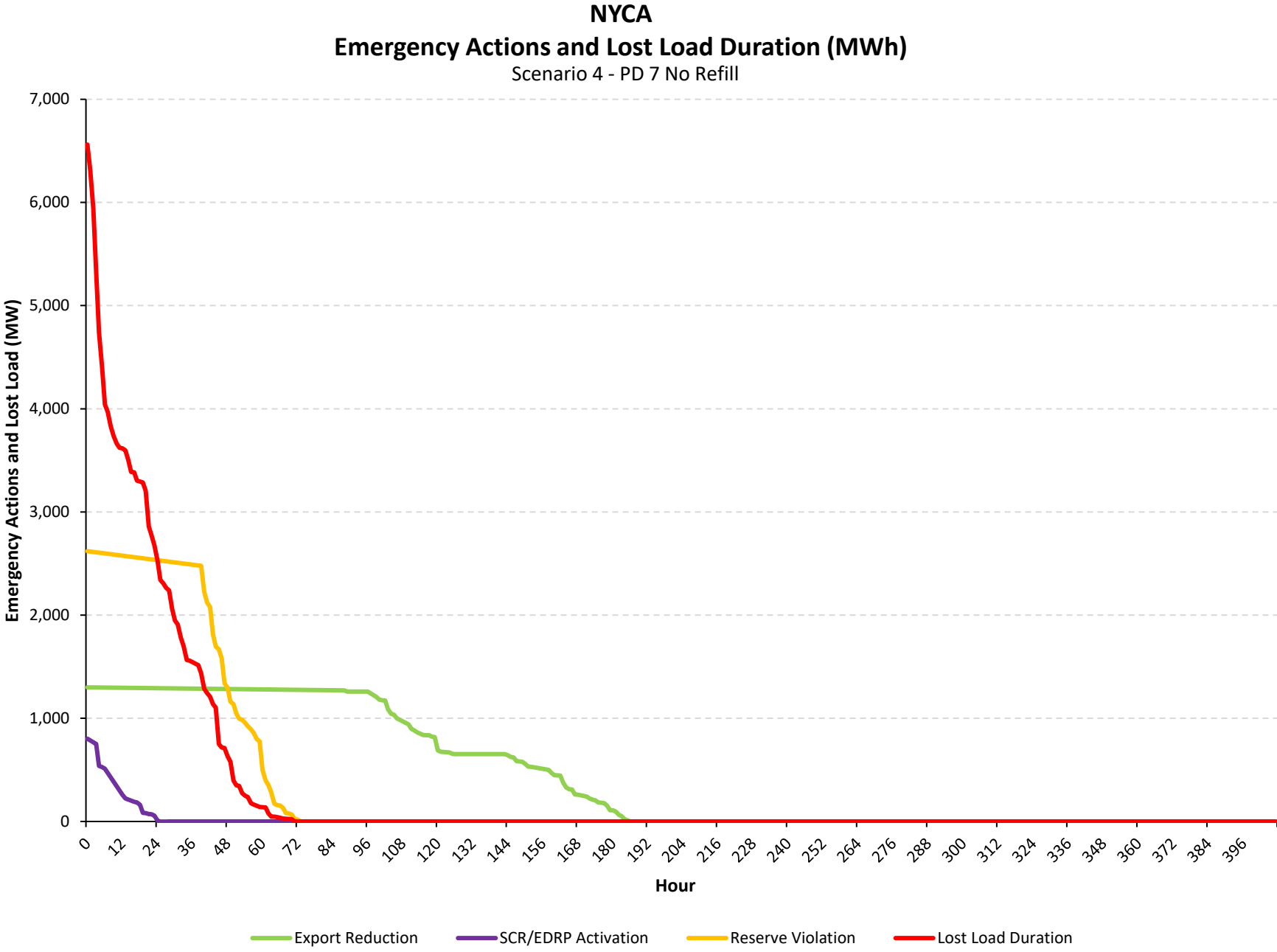


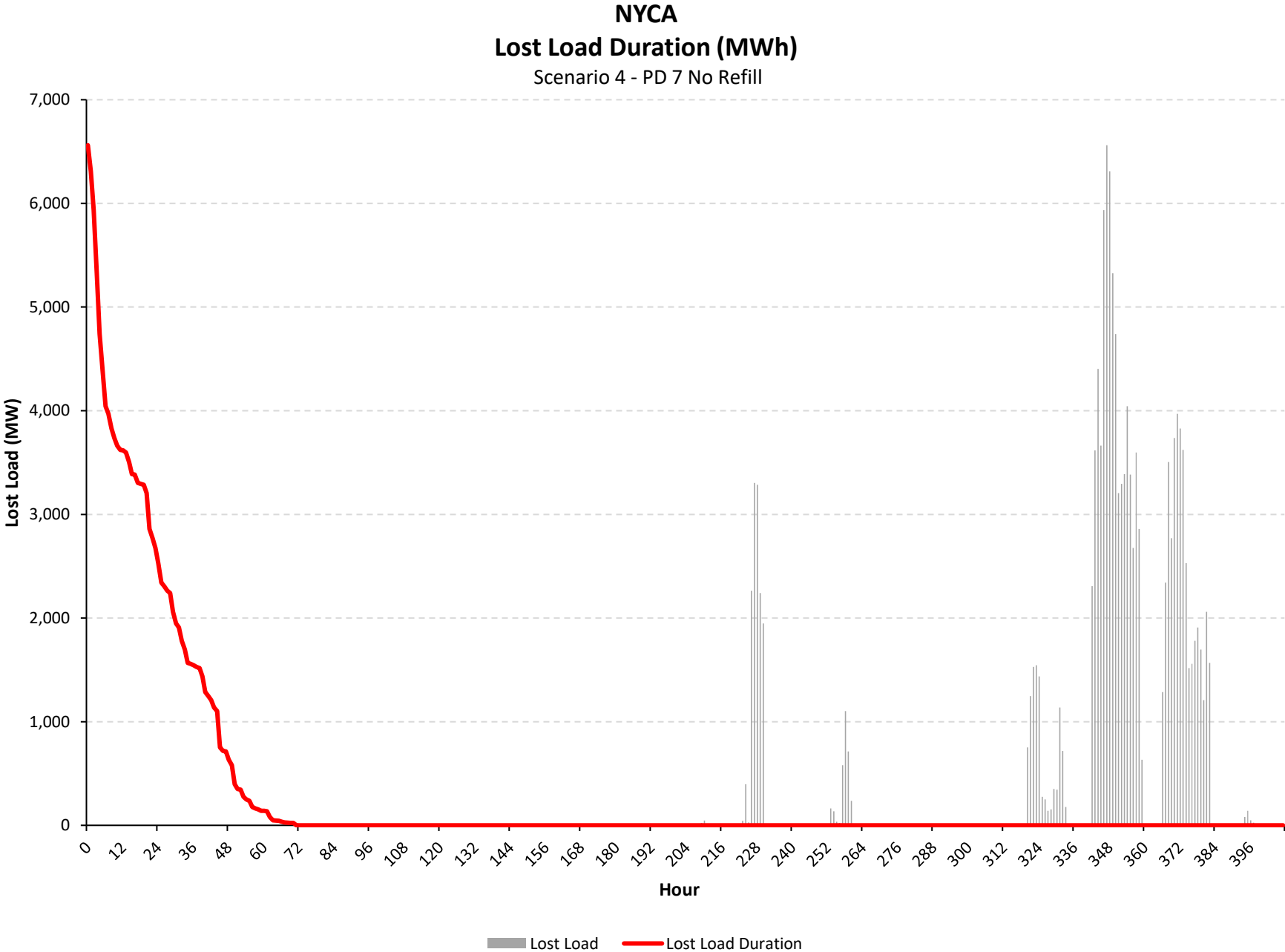
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 4 - PD 7 No Refill





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



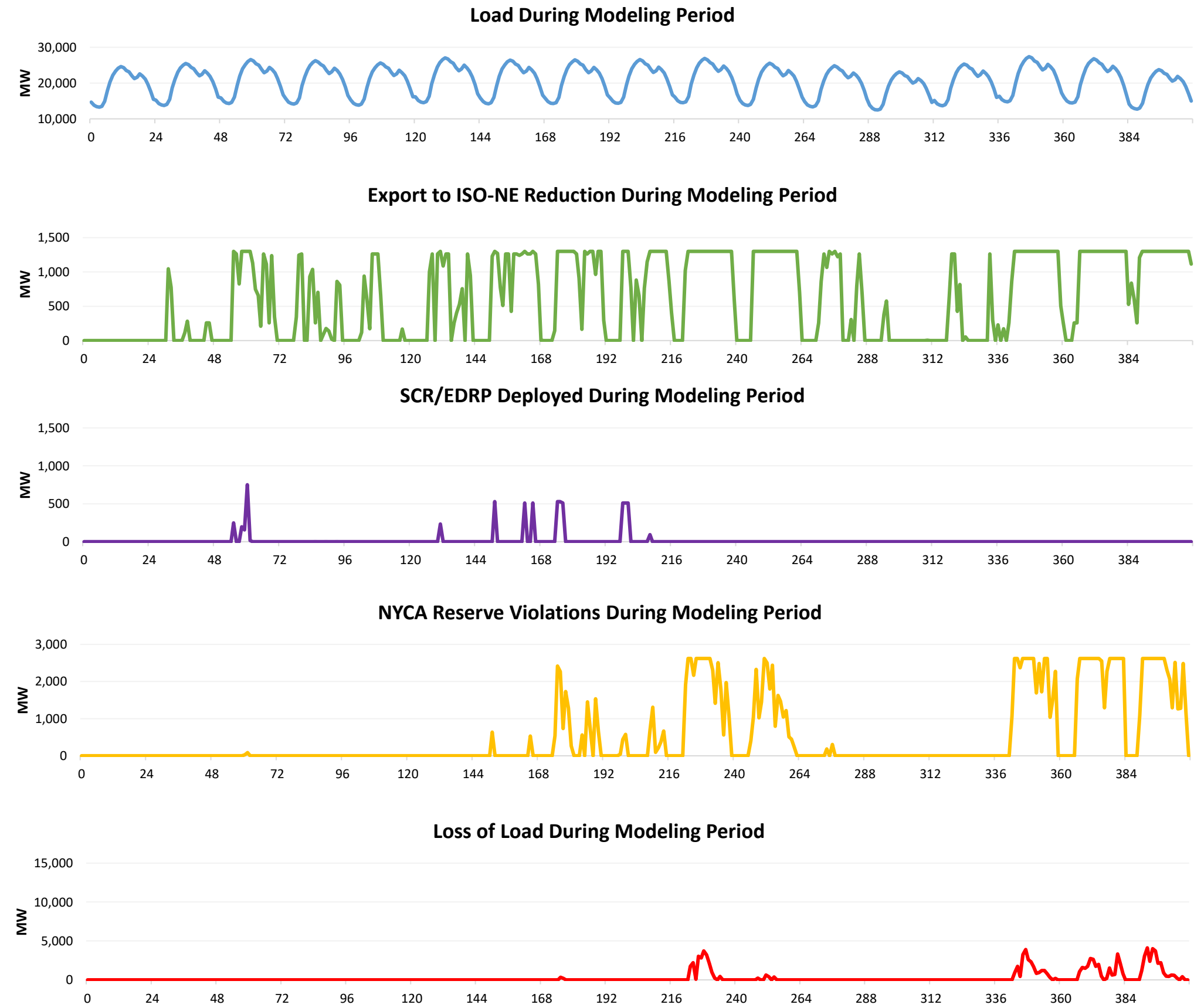


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | F-K       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 240     |
| Total MWh         | 247,120 |
| Avg. MW           | 605.7   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,333 |
| Avg. MW        | 15.5  |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 114     |
| Total MWh             | 201,493 |
| Avg. MW               | 493.9   |
| First Hour with Viol. | 60      |

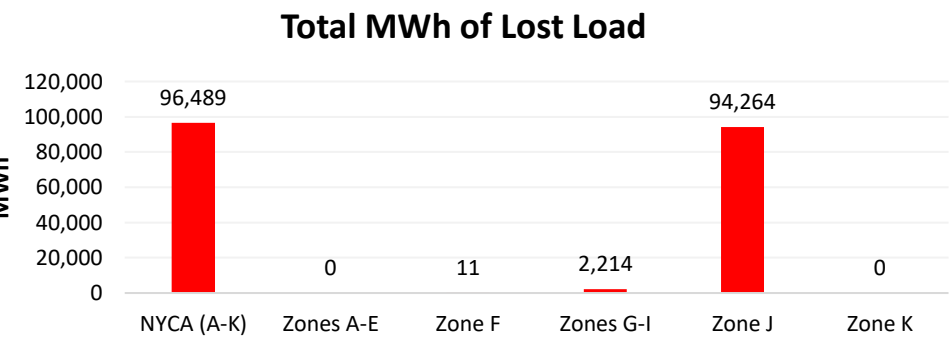
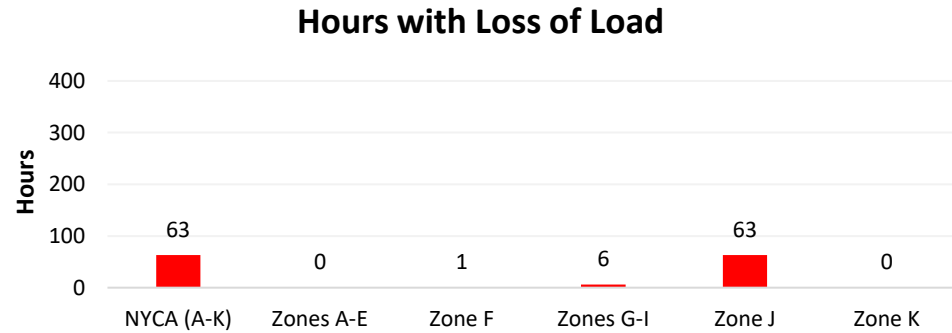
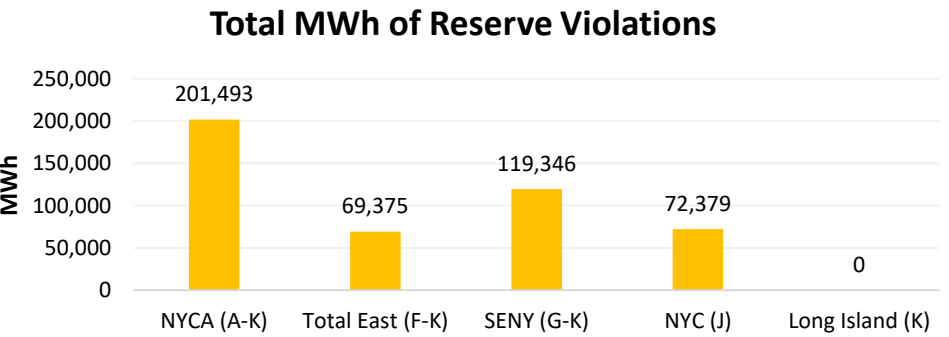
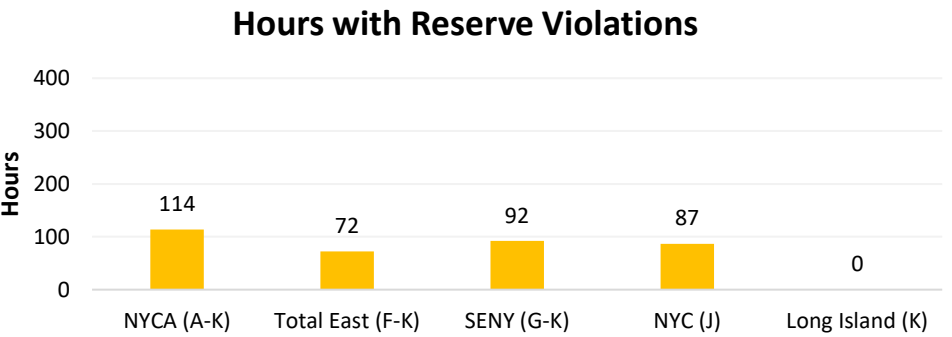
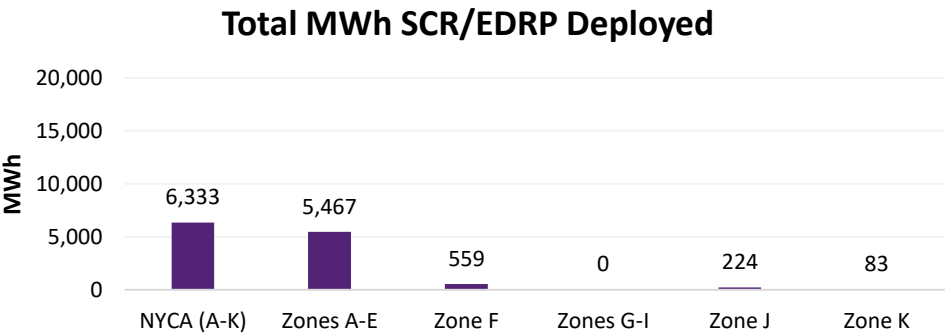
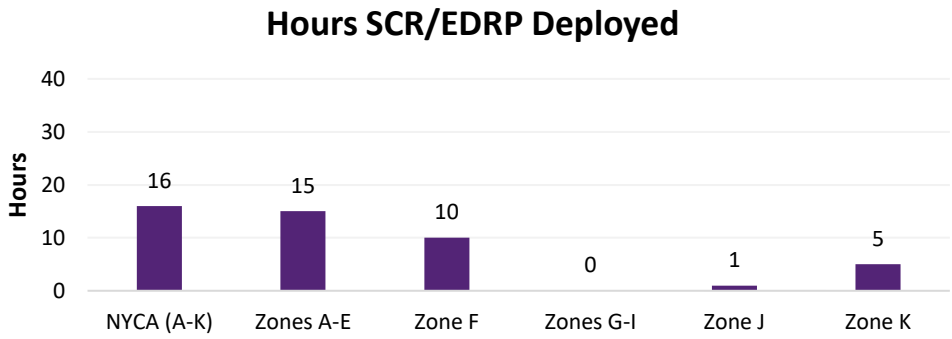
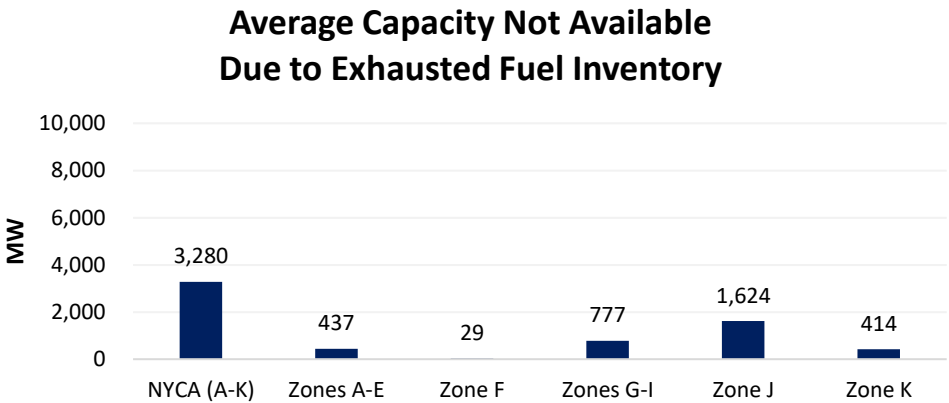
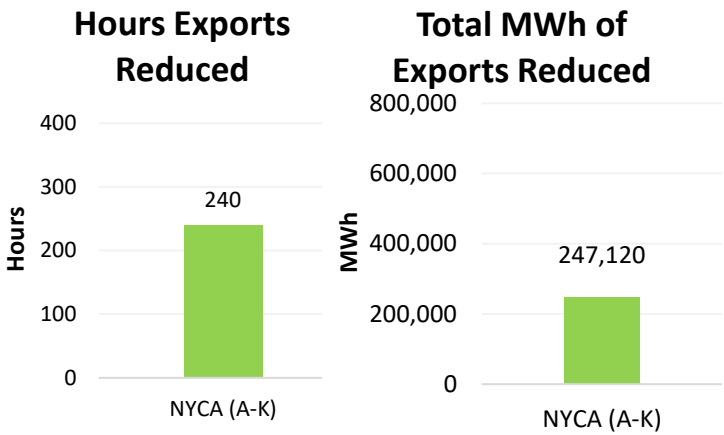
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 63     |
| Total MWh              | 96,489 |
| Avg. MW                | 236.5  |
| First Hour with Losses | 175    |

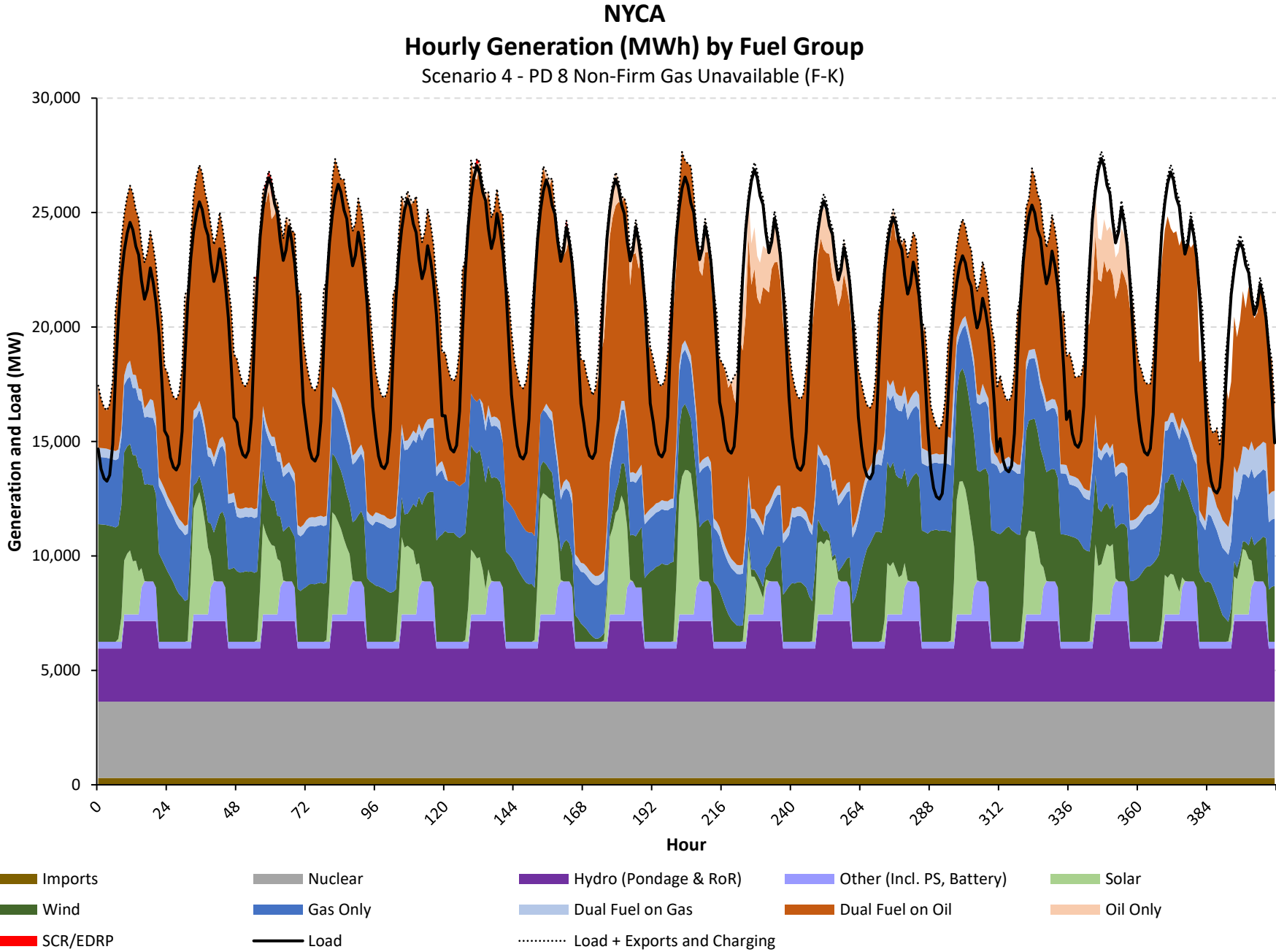


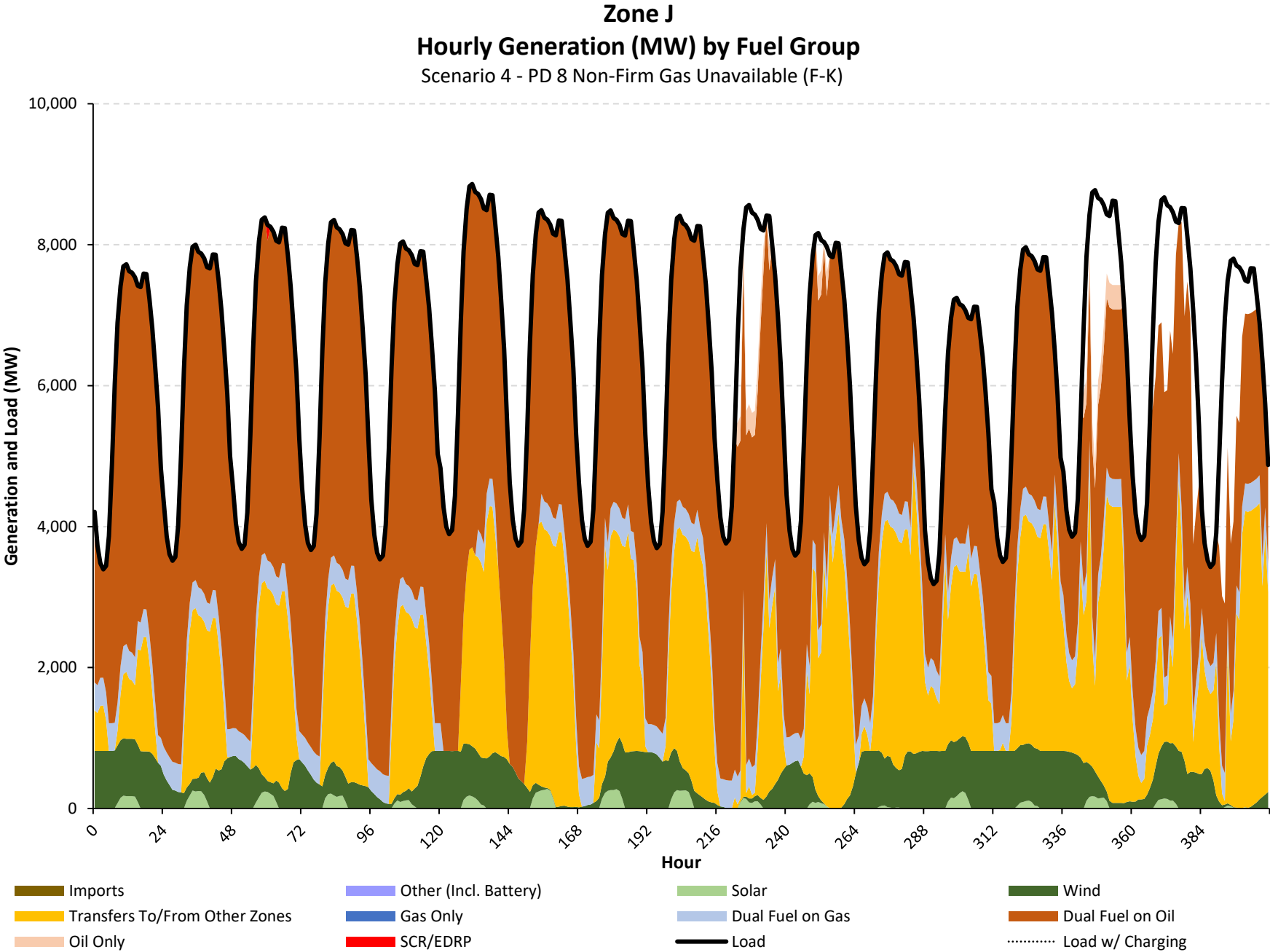
Full Period Results Summary

Case Name: Scenario 4 - PD 8 Non-Firm Gas Unavailable (F-K)

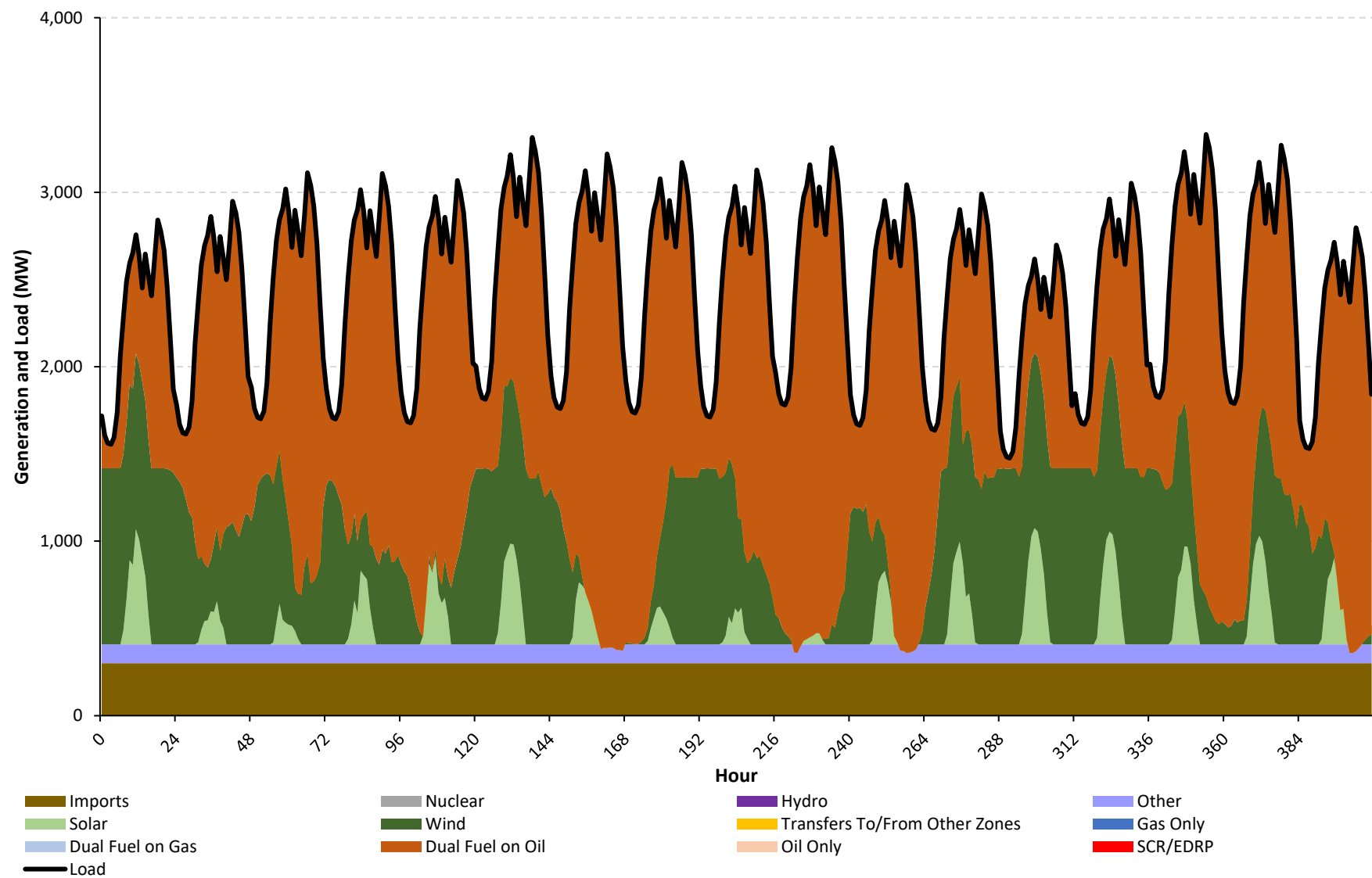
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | F-K       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |



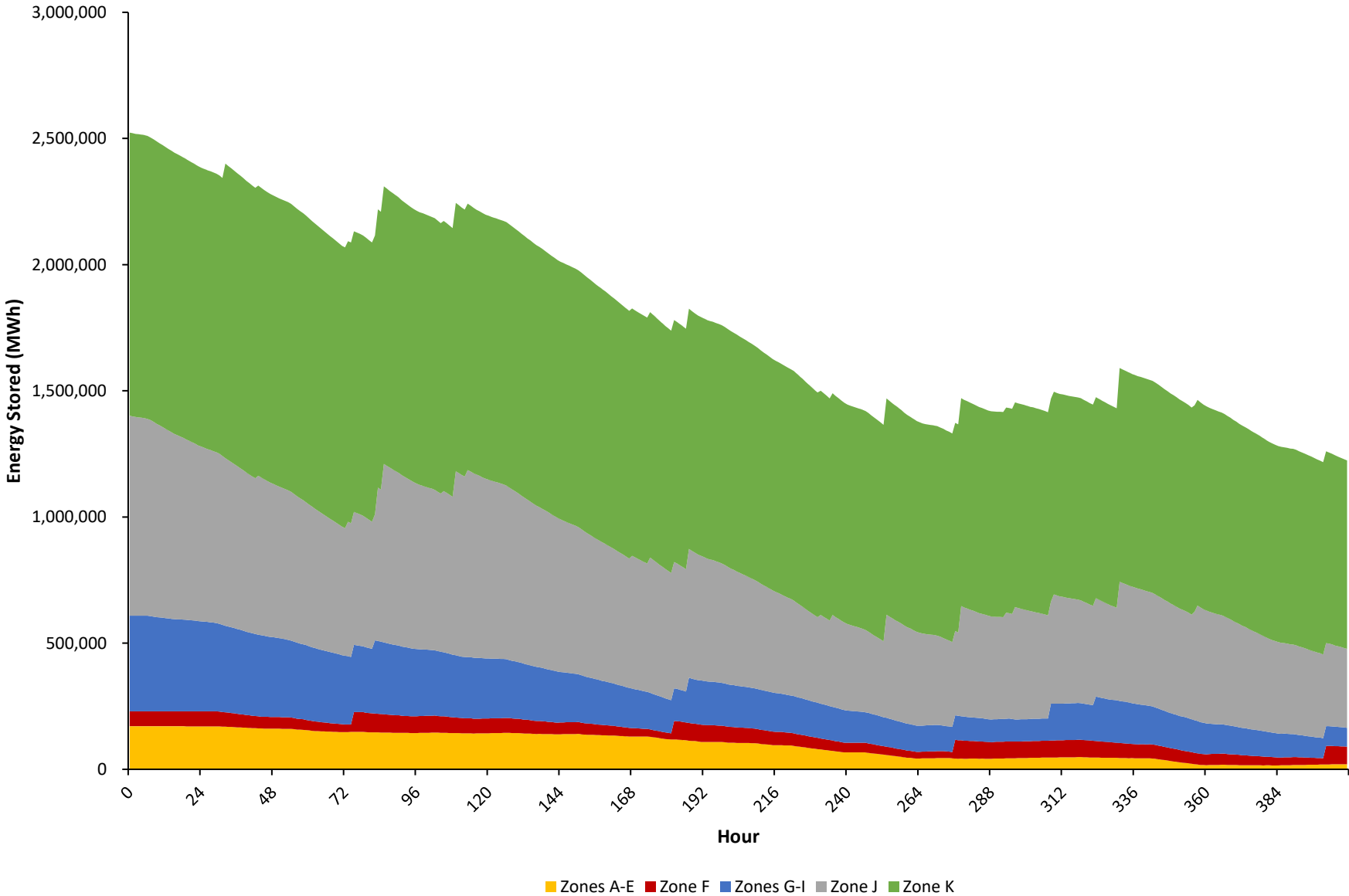


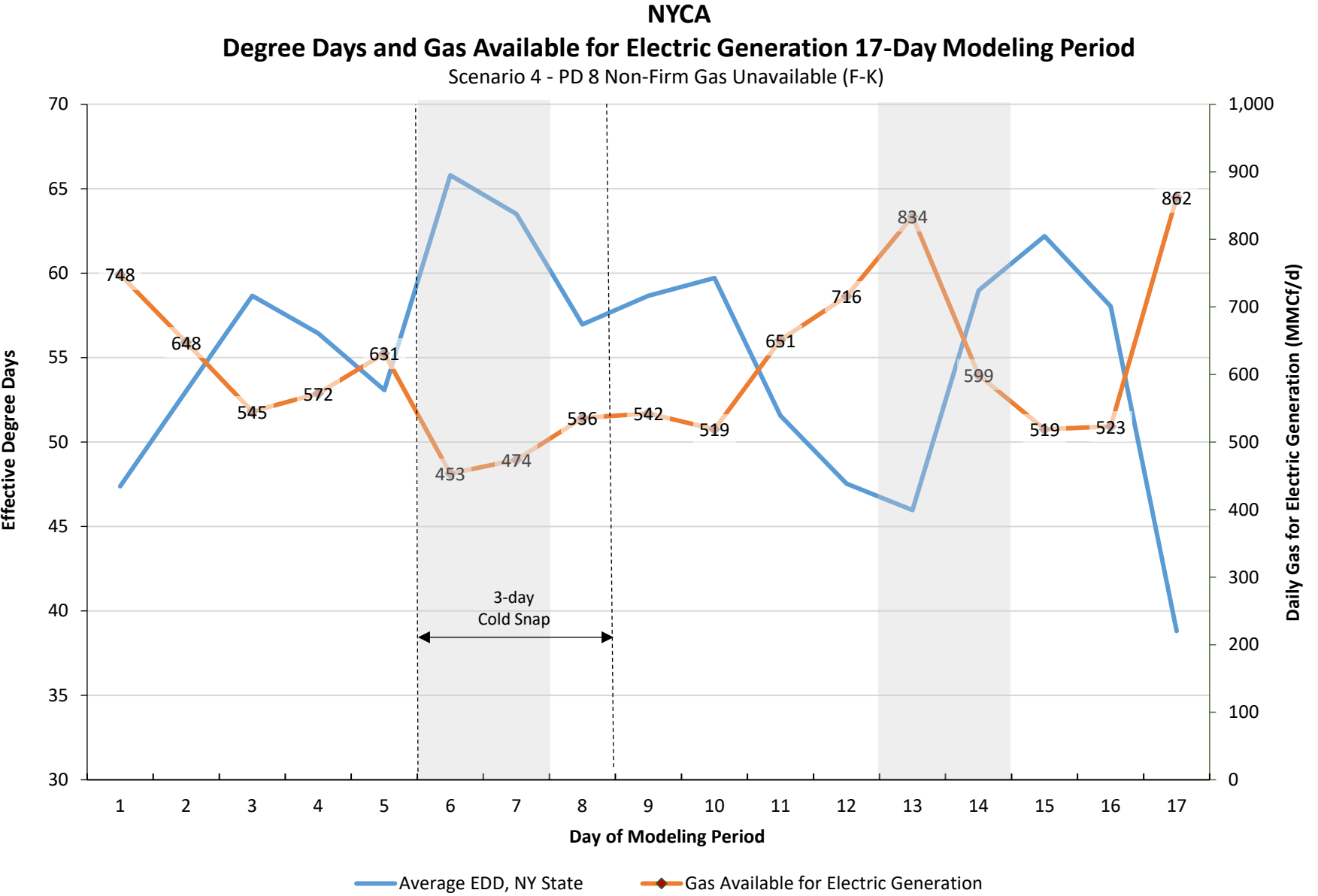


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 8 Non-Firm Gas Unavailable (F-K)

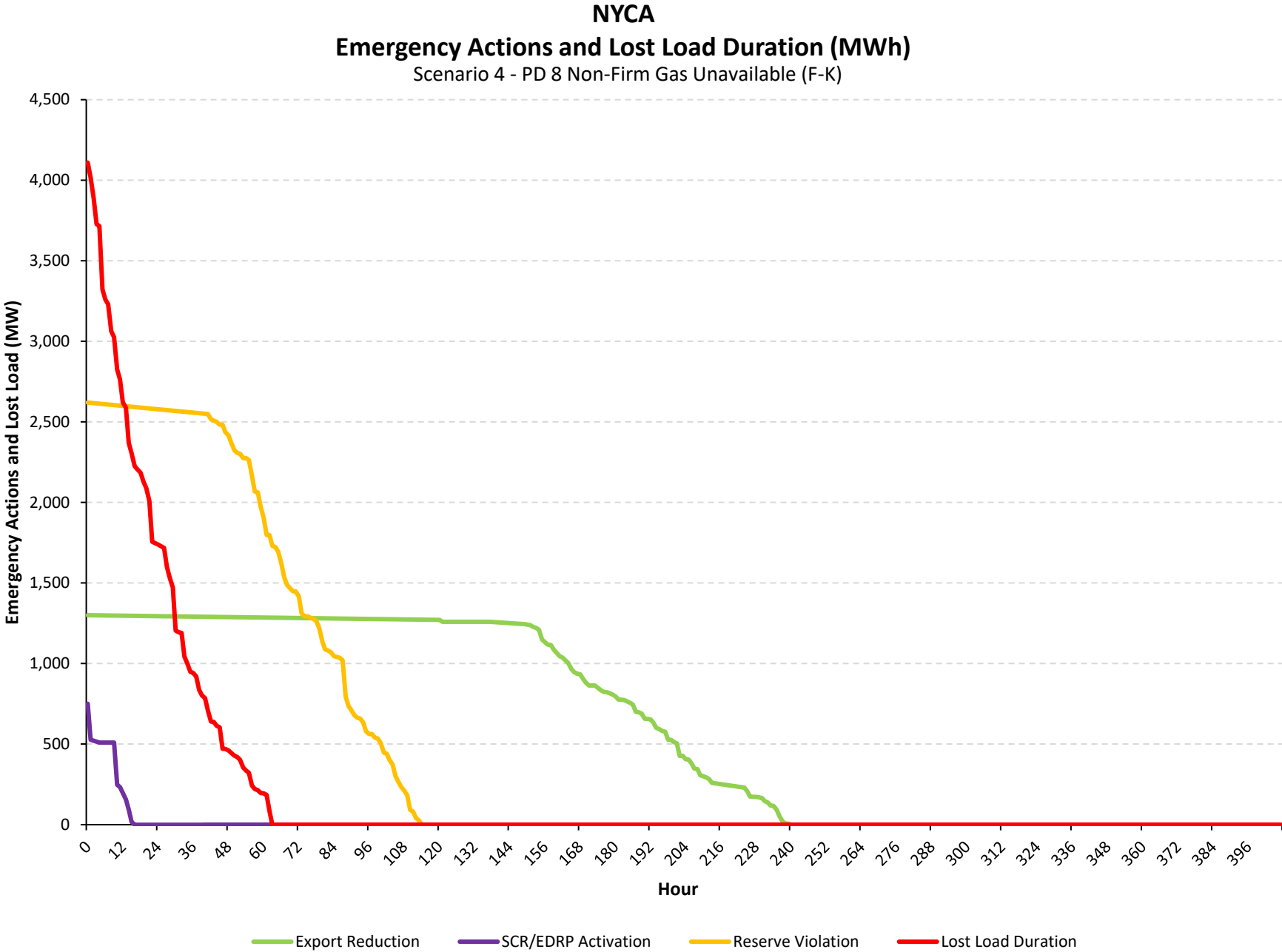


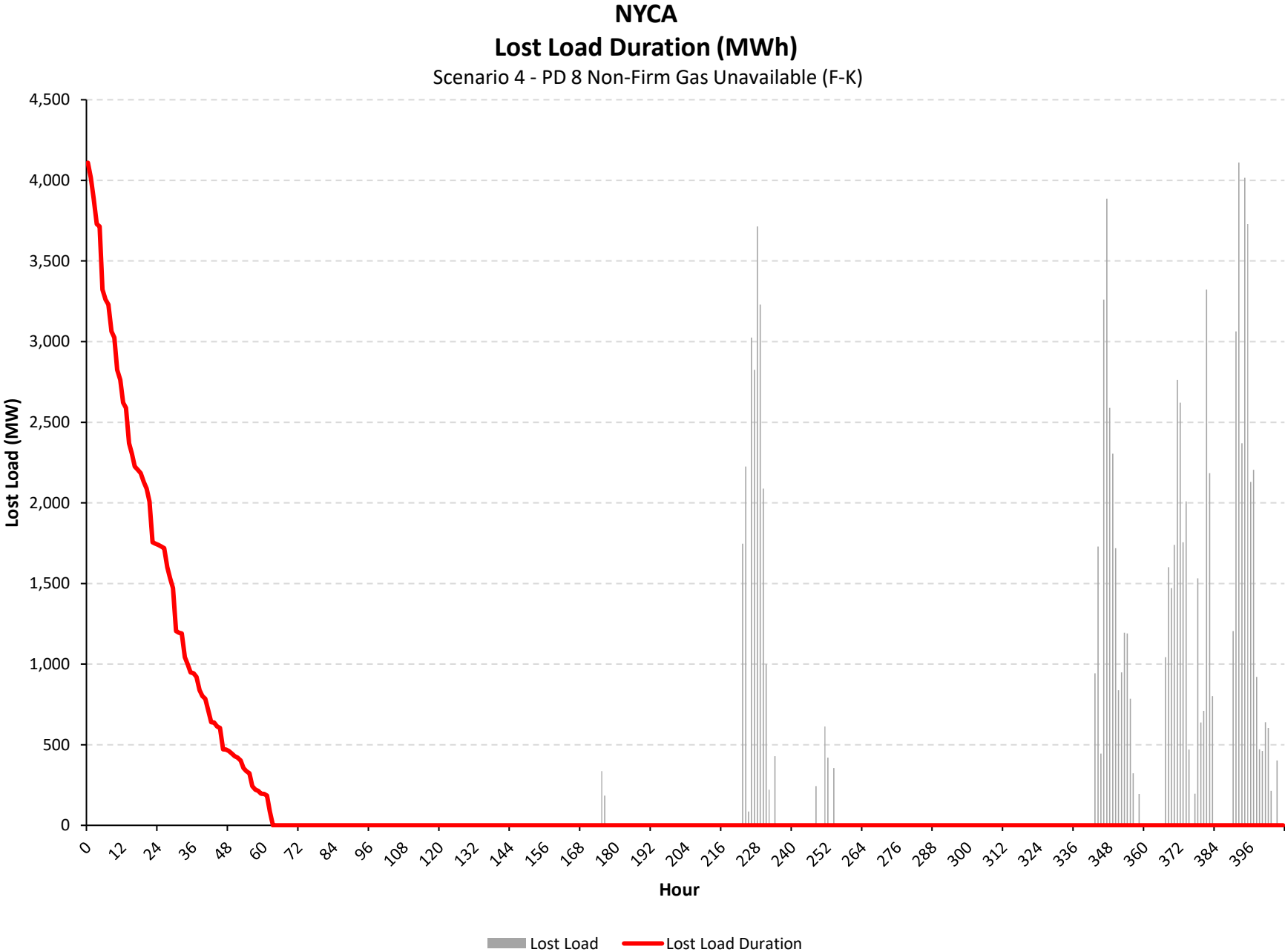
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 4 - PD 8 Non-Firm Gas Unavailable (F-K)





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





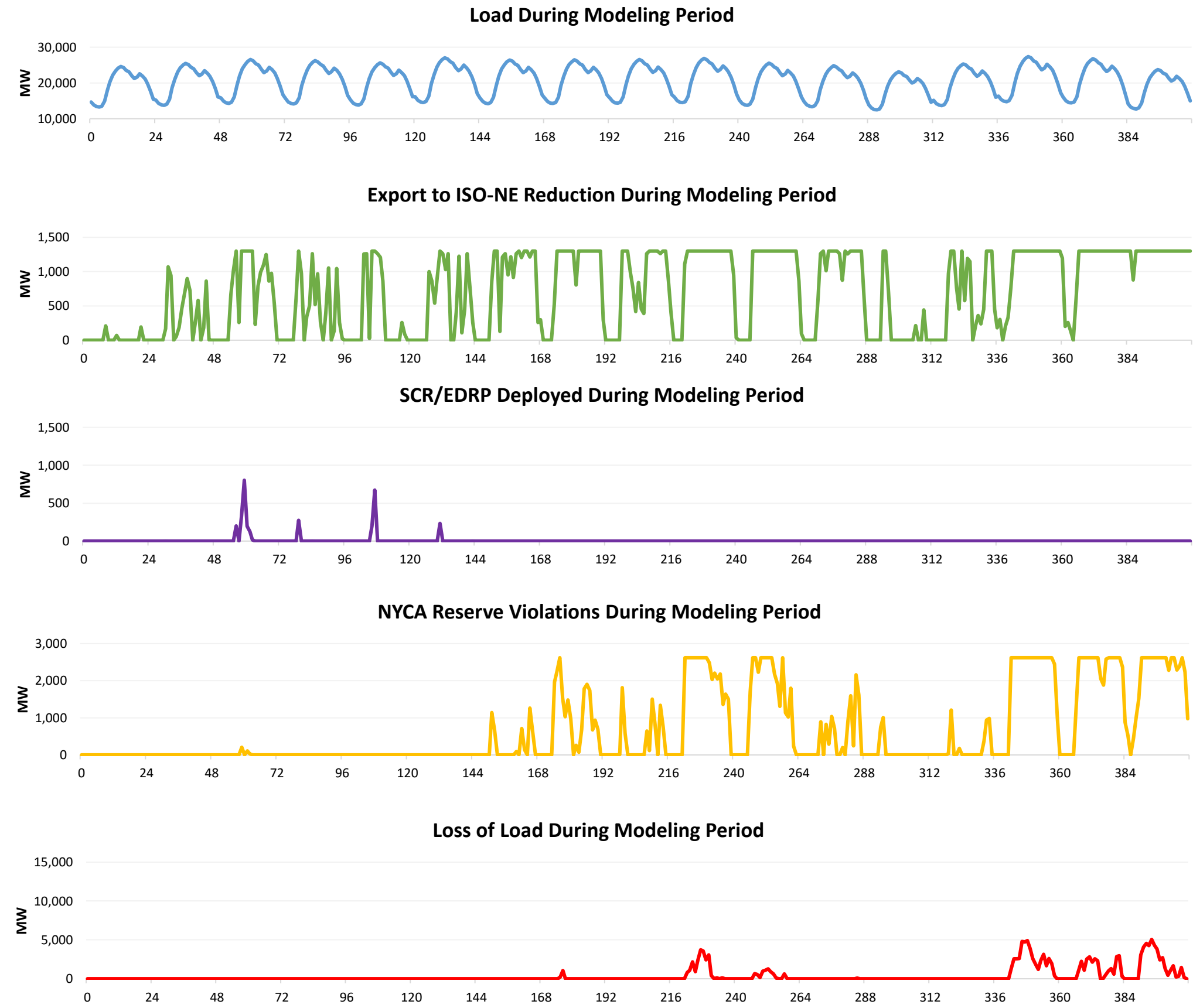


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | NYISO     |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 280     |
| Total MWh         | 285,498 |
| Avg. MW           | 699.7   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 10    |
| Total MWh      | 3,046 |
| Avg. MW        | 7.5   |

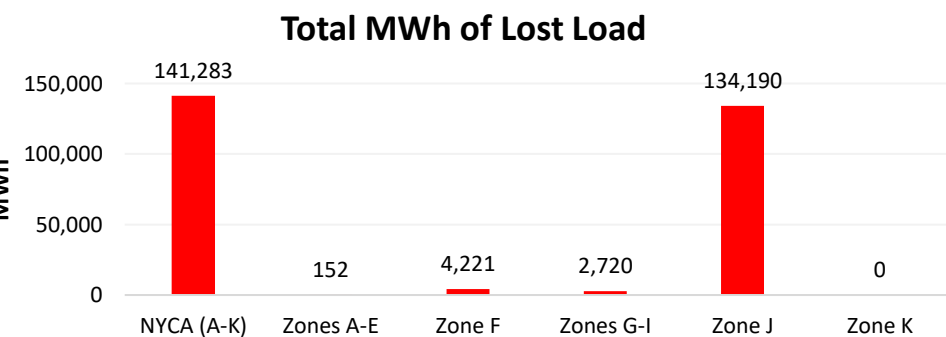
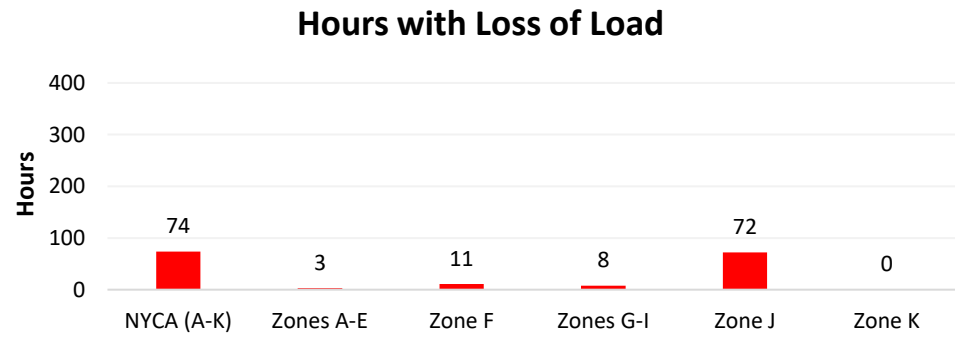
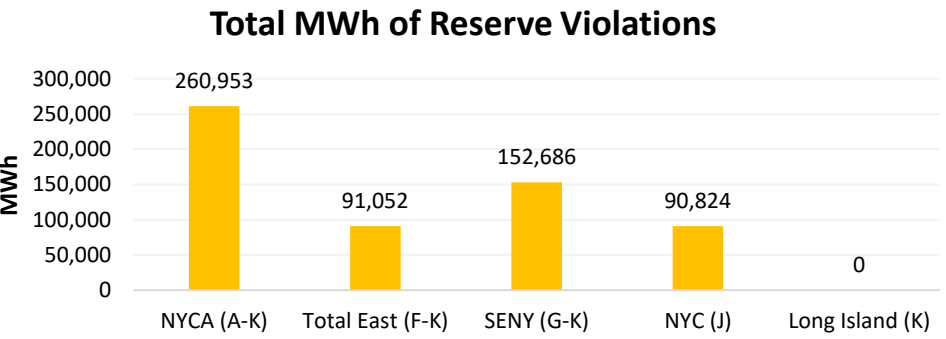
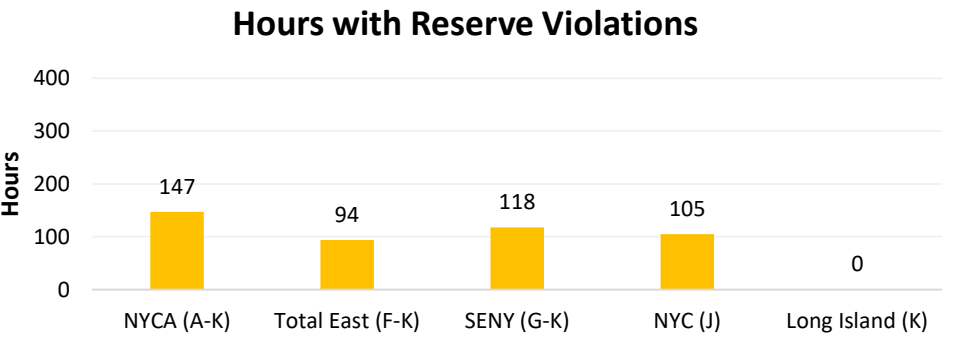
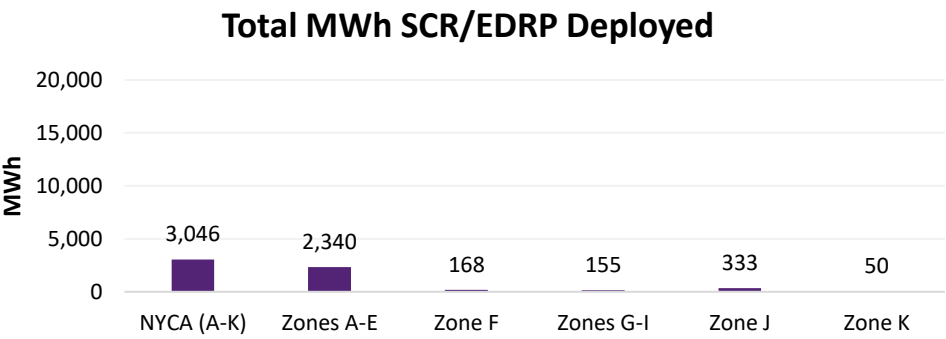
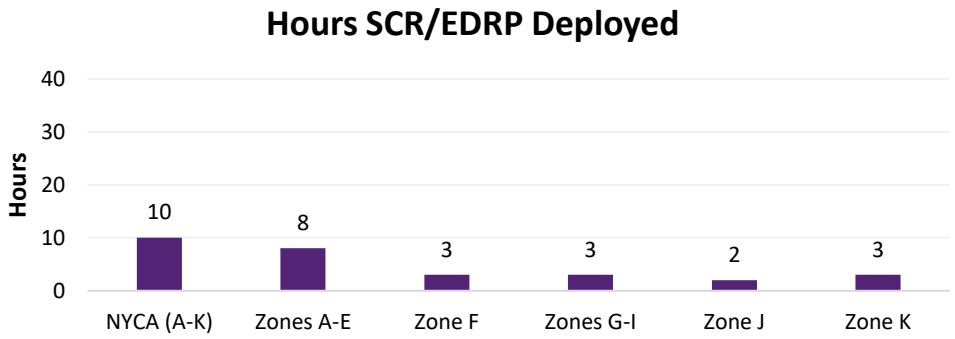
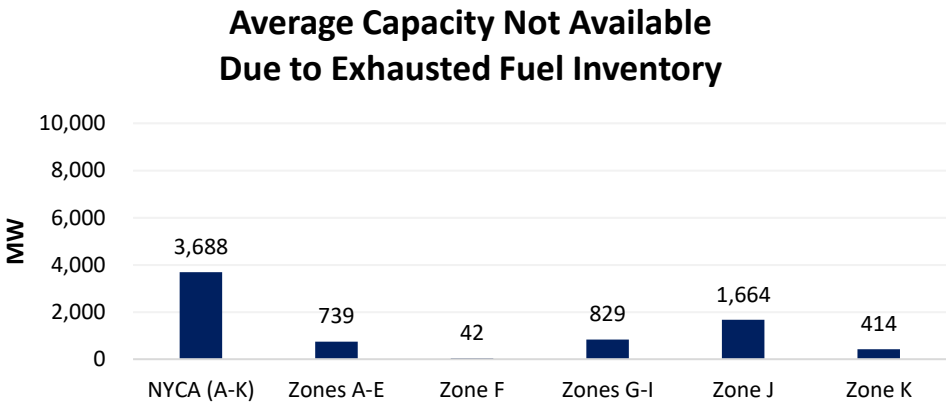
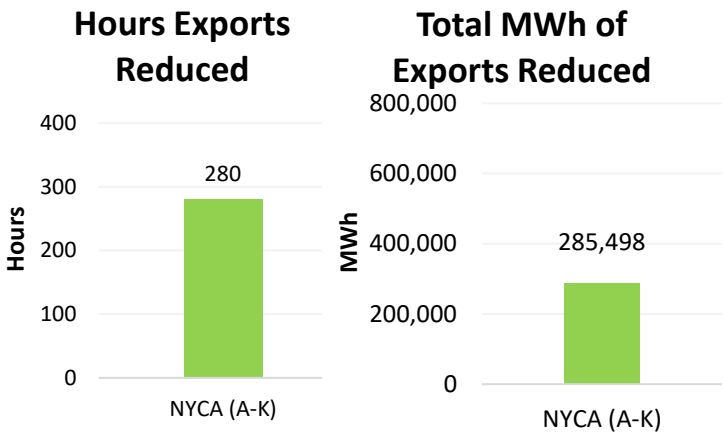
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 147     |
| Total MWh             | 260,953 |
| Avg. MW               | 639.6   |
| First Hour with Viol. | 59      |

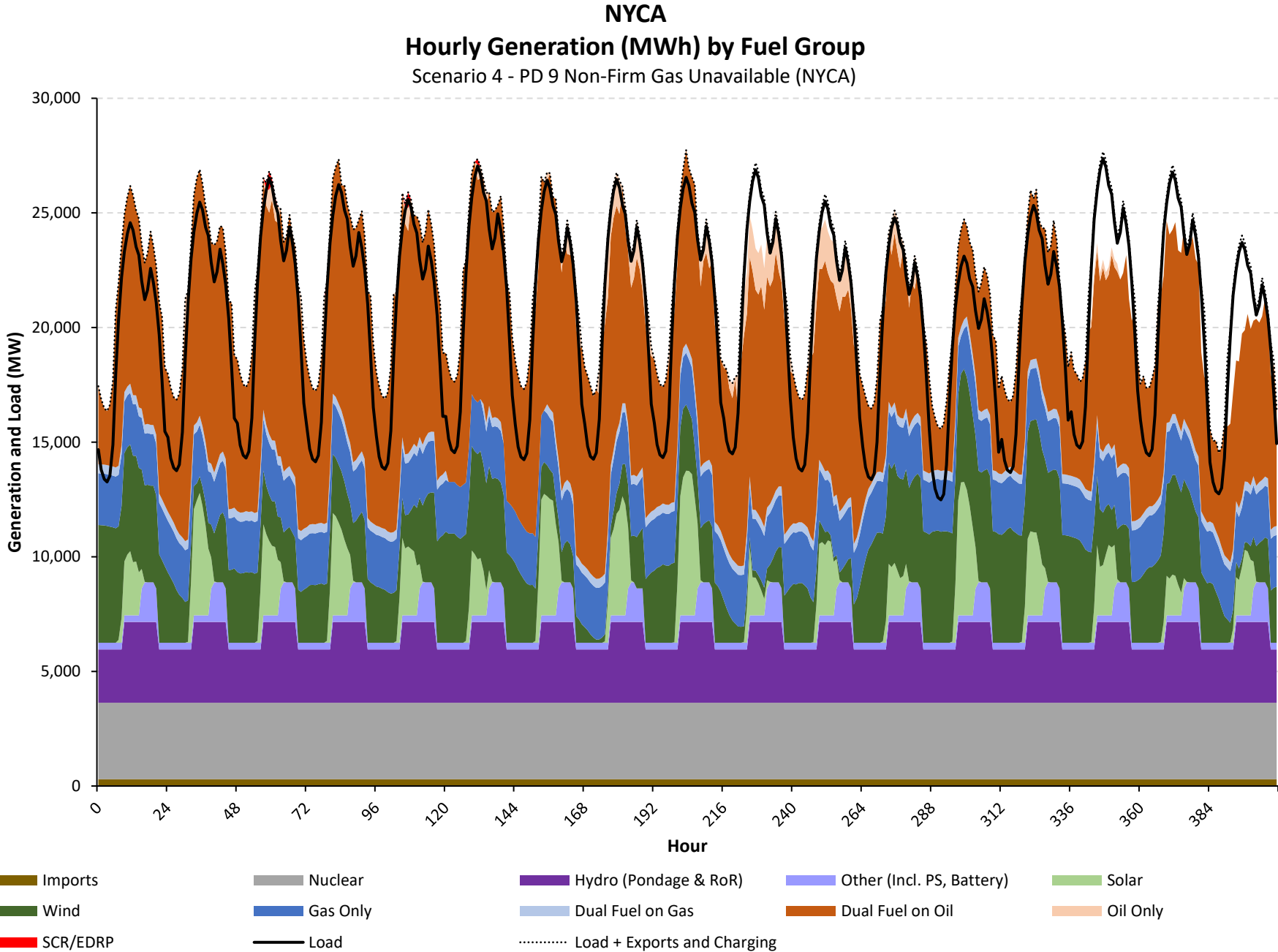
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 74      |
| Total MWh              | 141,283 |
| Avg. MW                | 346.3   |
| First Hour with Losses | 175     |

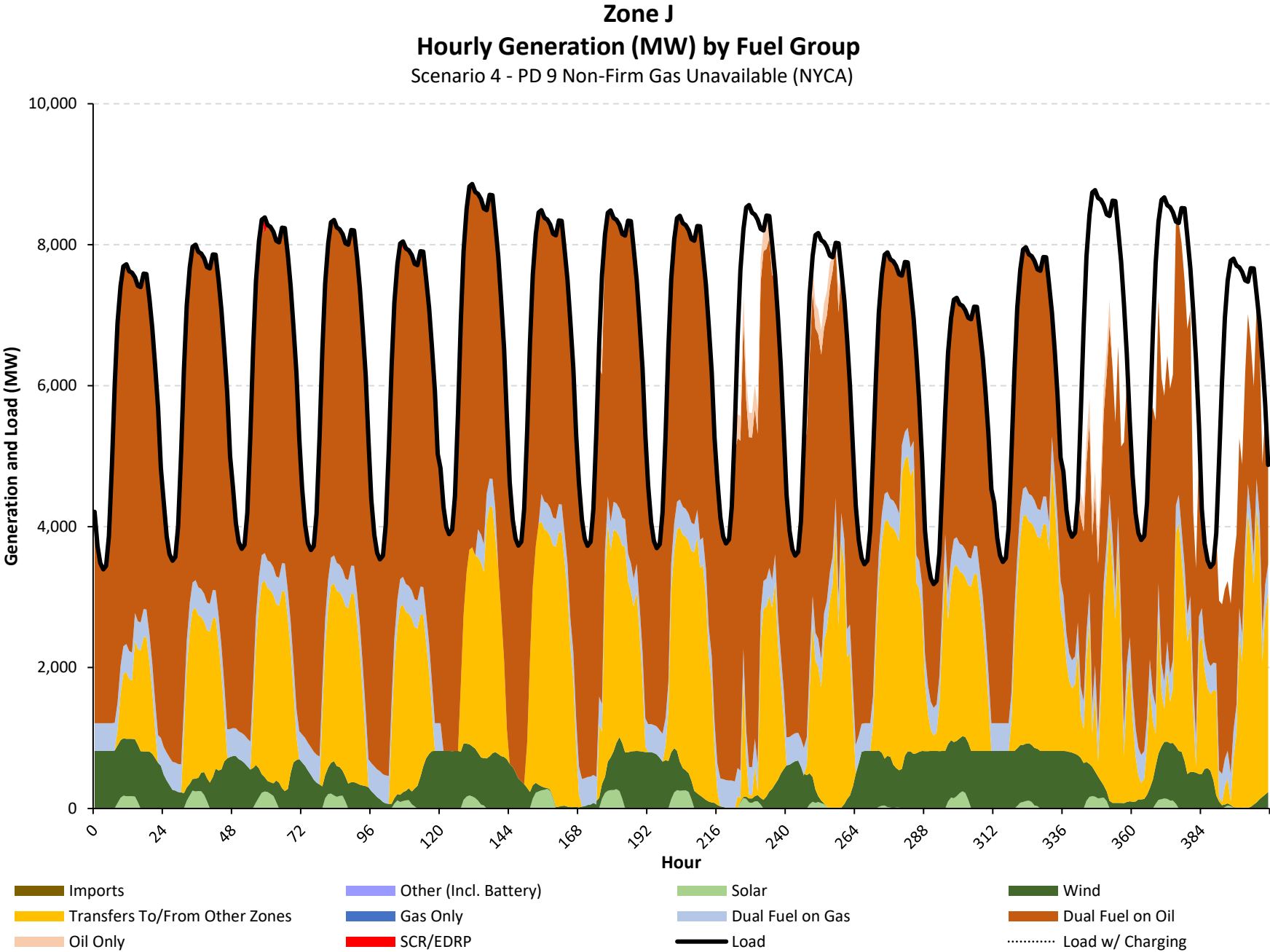
Full Period Results Summary

Case Name: Scenario 4 - PD 9 Non-Firm Gas Unavailable (NYCA)

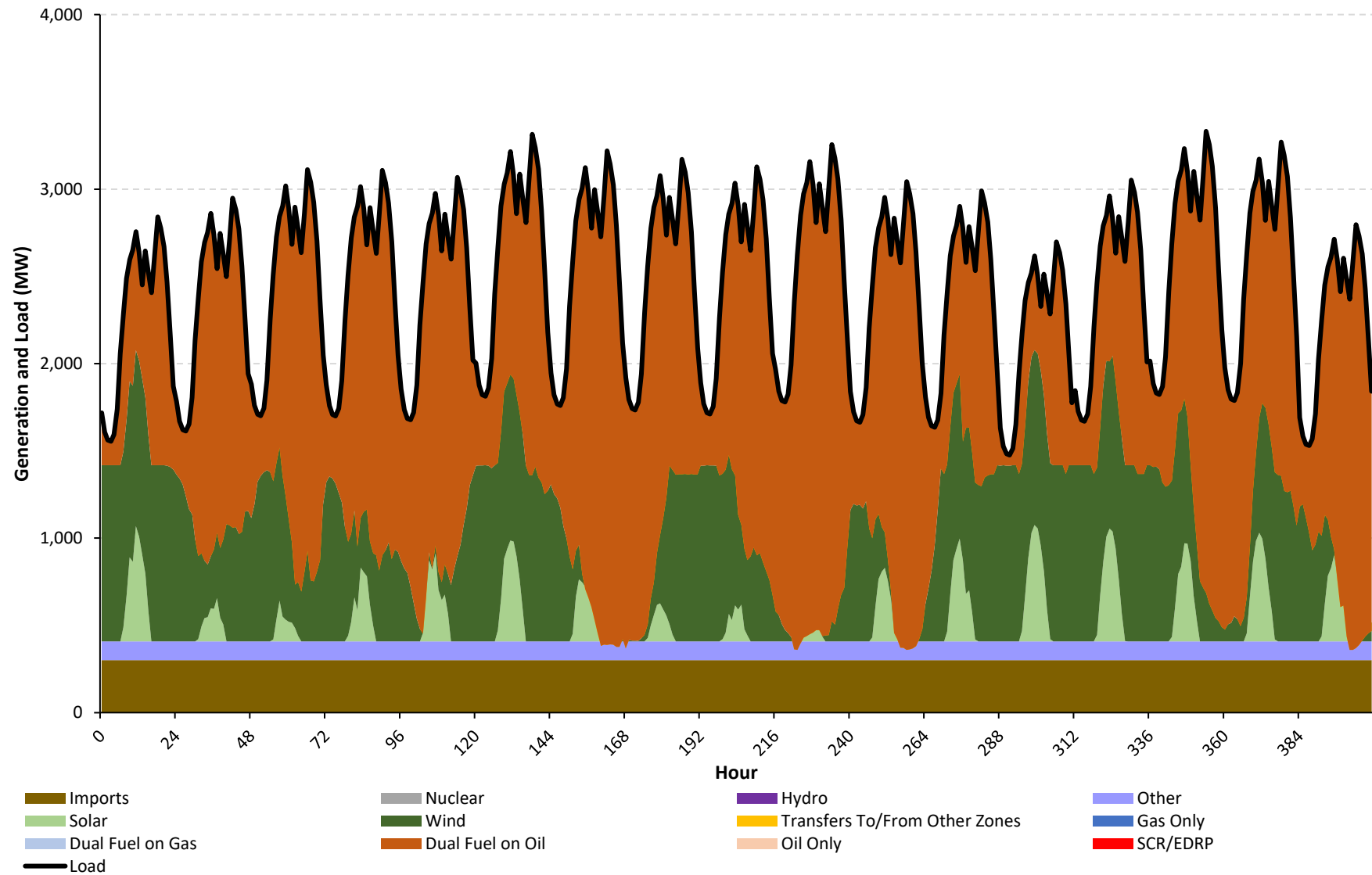
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | NYISO     |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

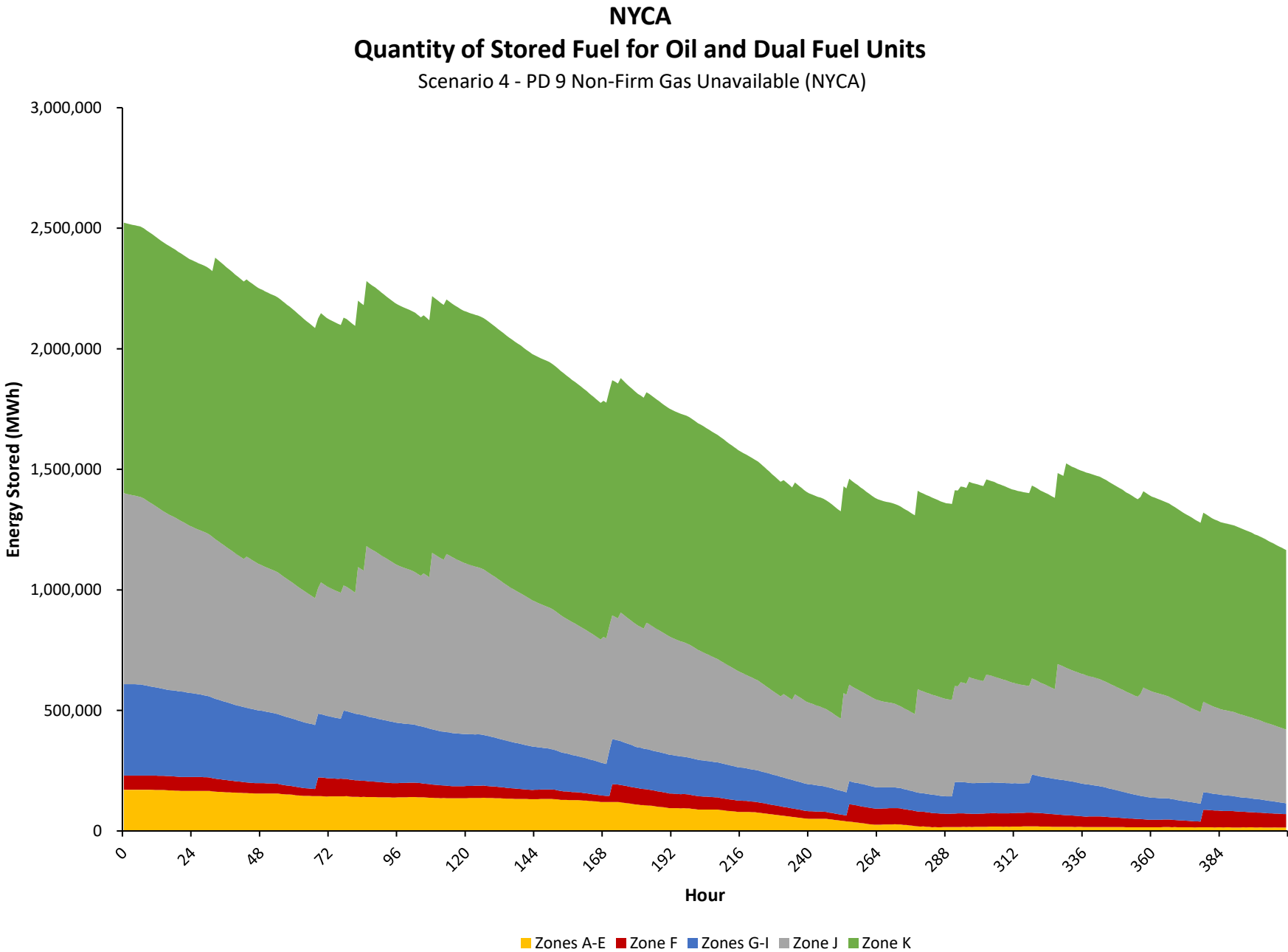


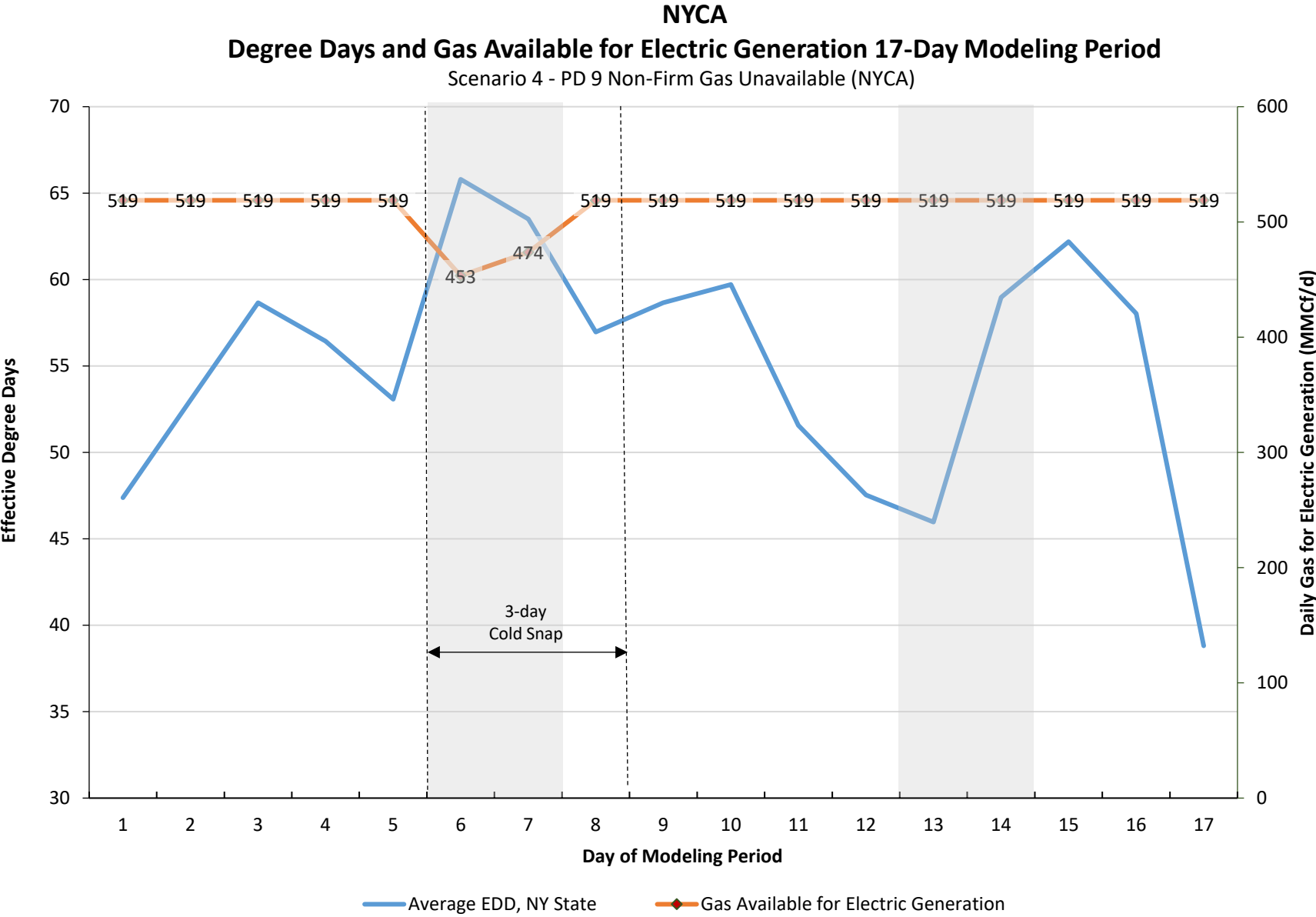




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 9 Non-Firm Gas Unavailable (NYCA)

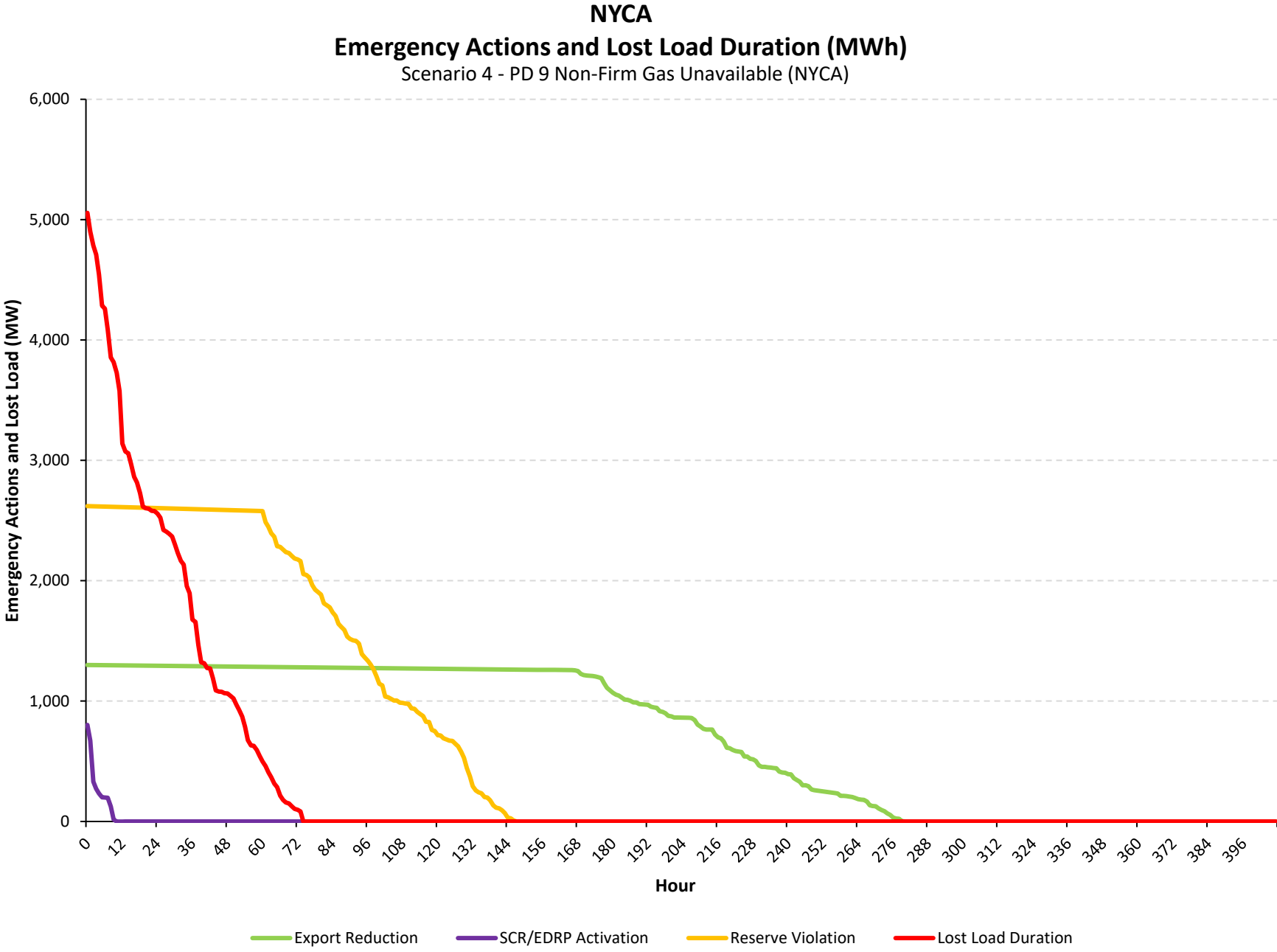


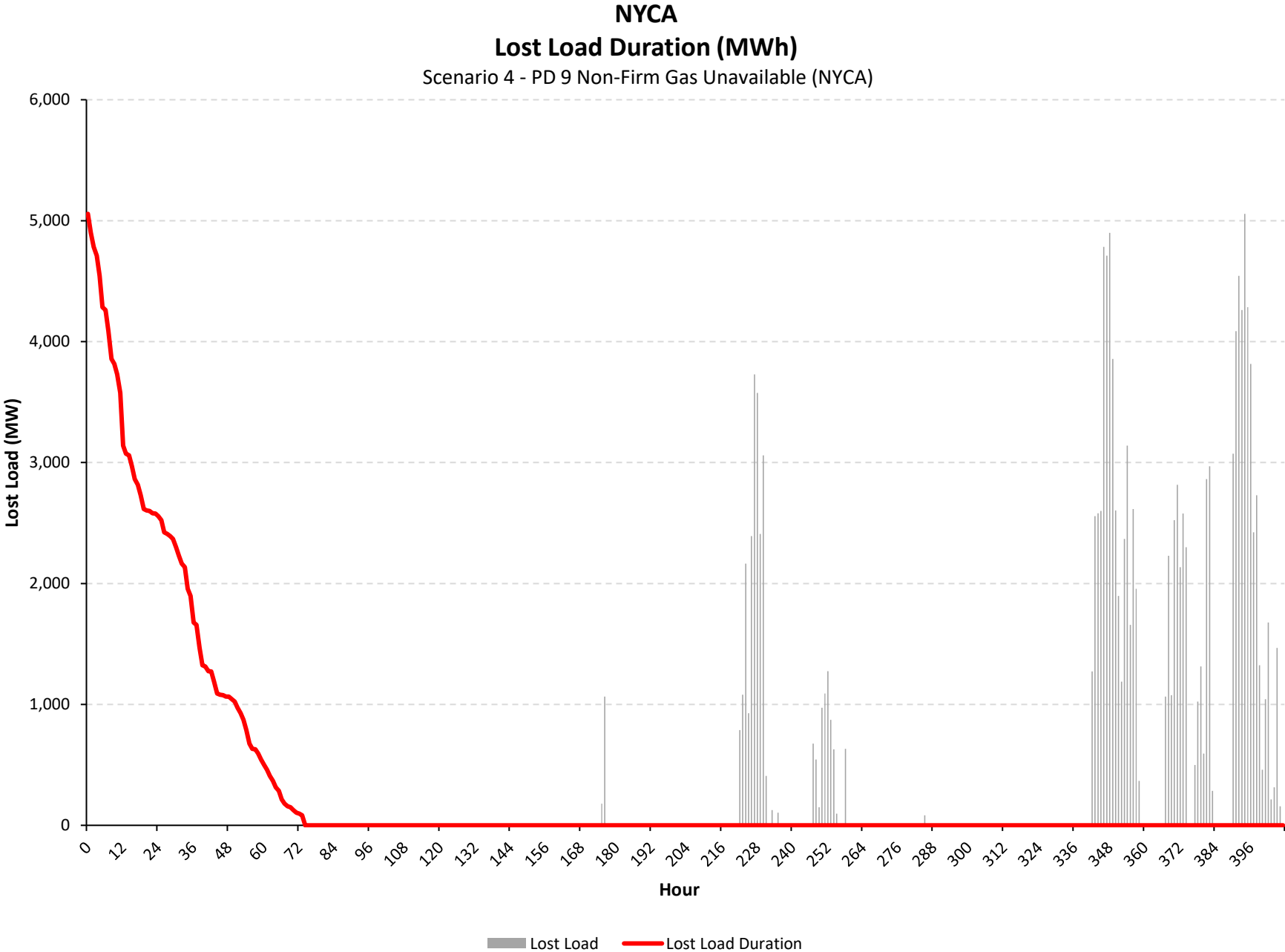




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





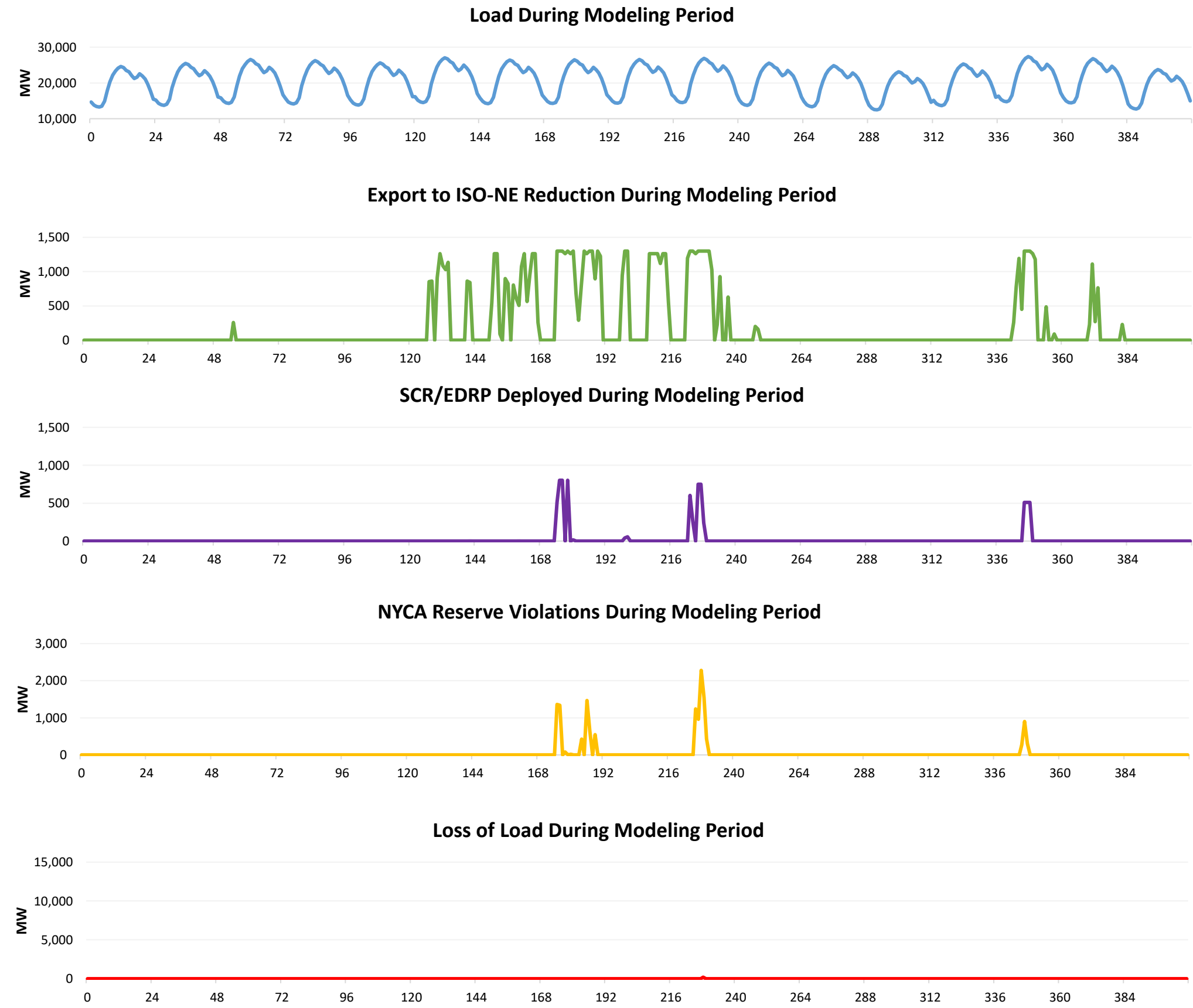


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | 3-4 days  |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 85     |
| Total MWh         | 81,618 |
| Avg. MW           | 200.0  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 7,166 |
| Avg. MW        | 17.6  |

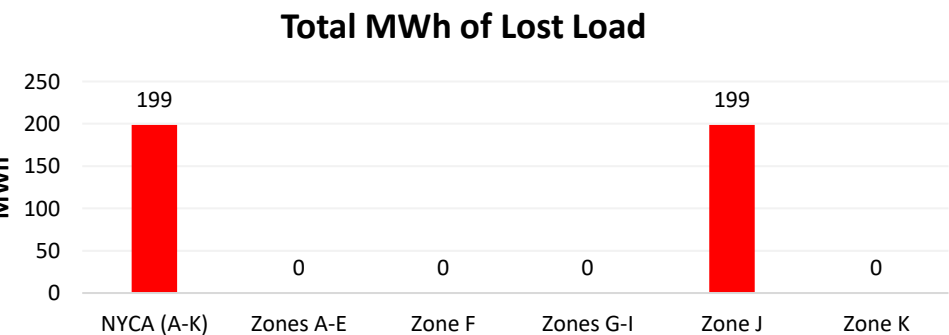
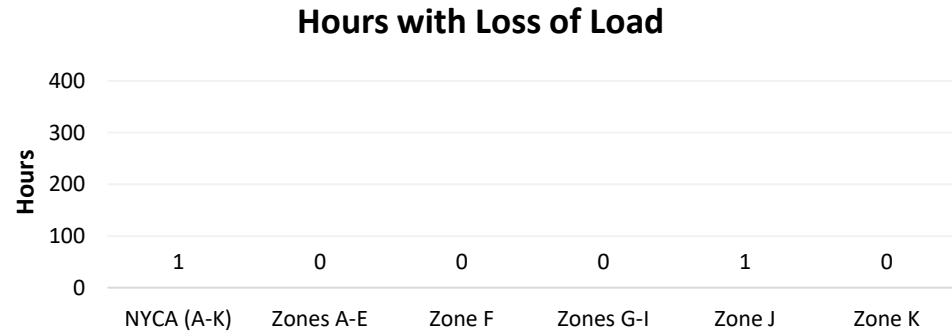
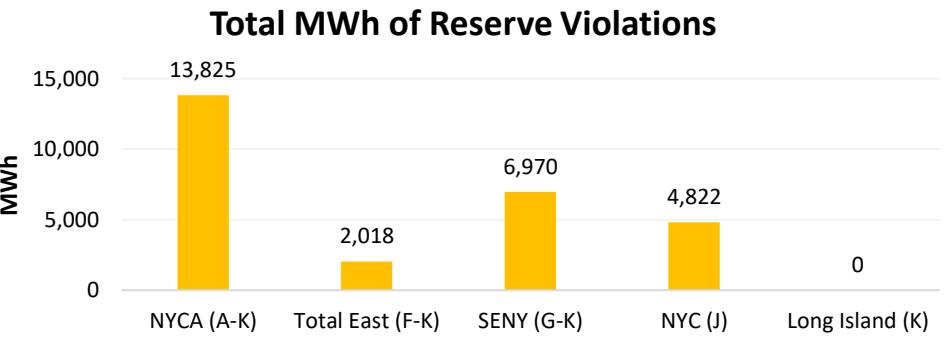
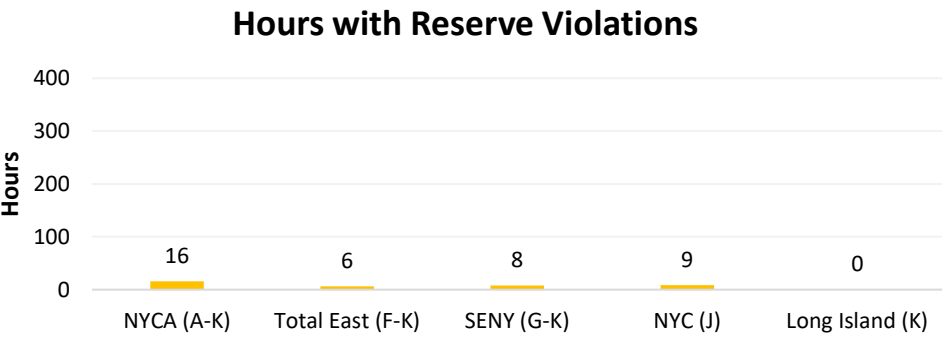
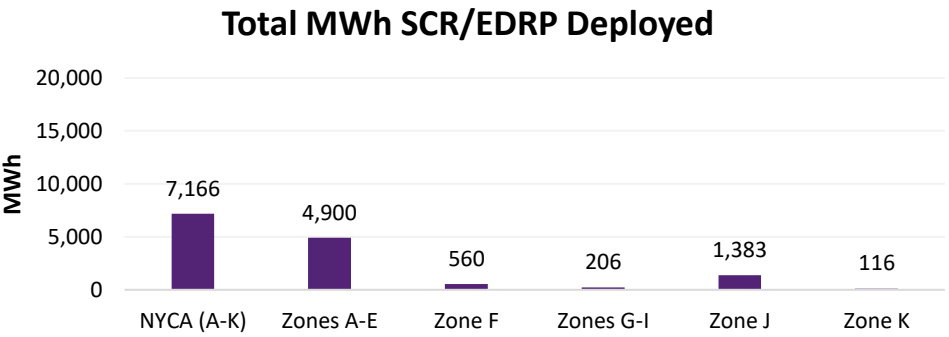
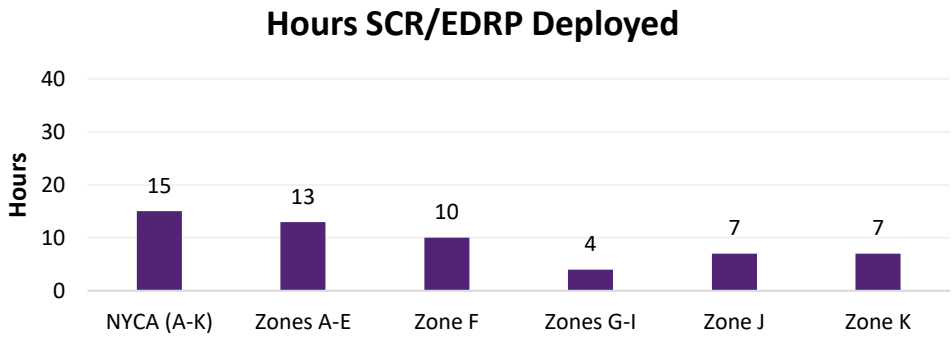
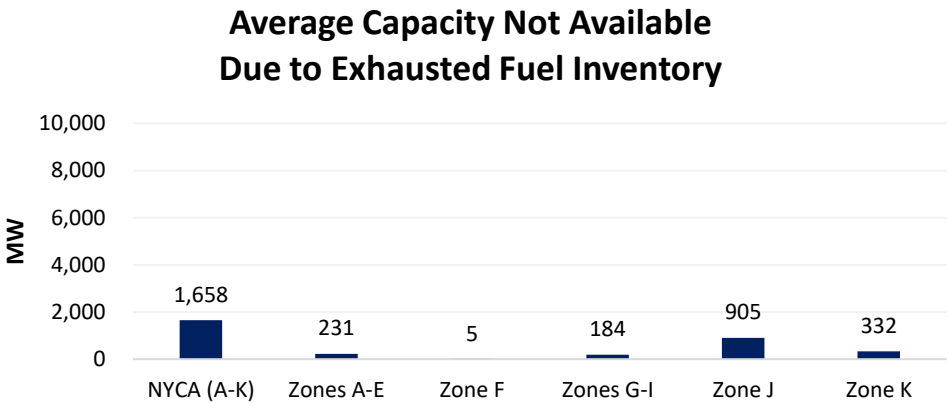
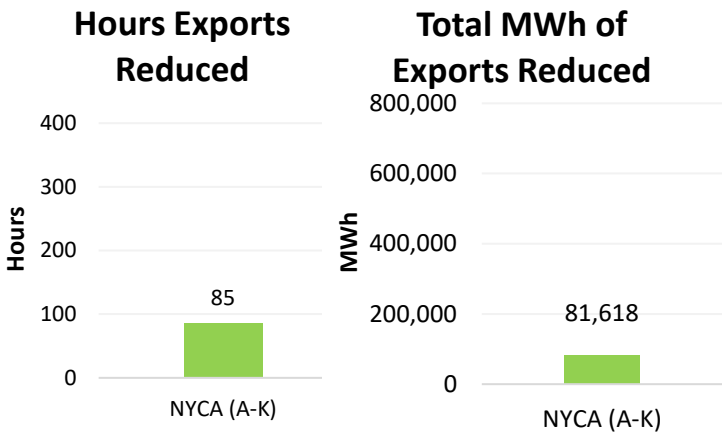
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 16     |
| Total MWh             | 13,825 |
| Avg. MW               | 33.9   |
| First Hour with Viol. | 174    |

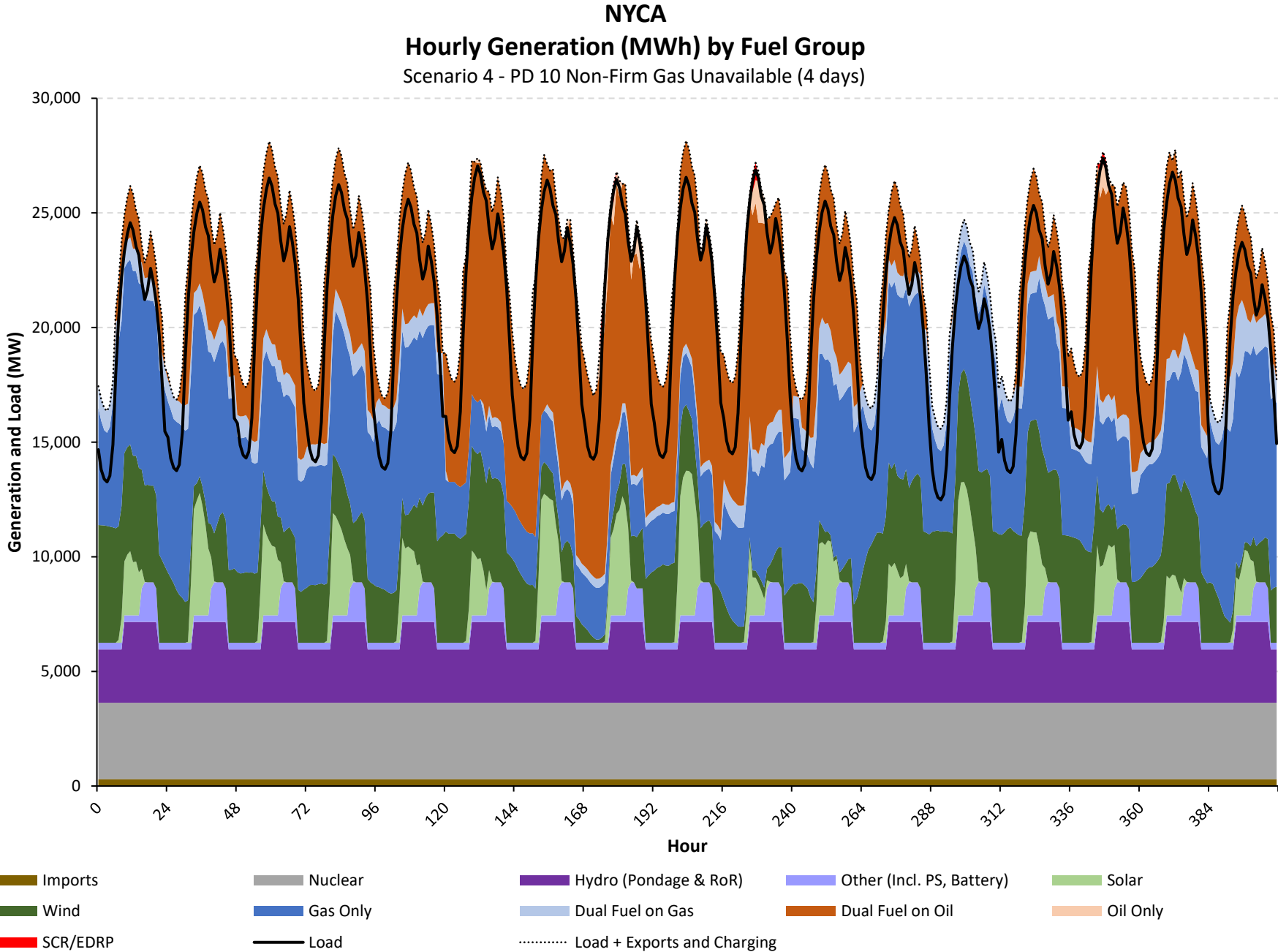
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 1   |
| Total MWh              | 199 |
| Avg. MW                | 0.5 |
| First Hour with Losses | 228 |

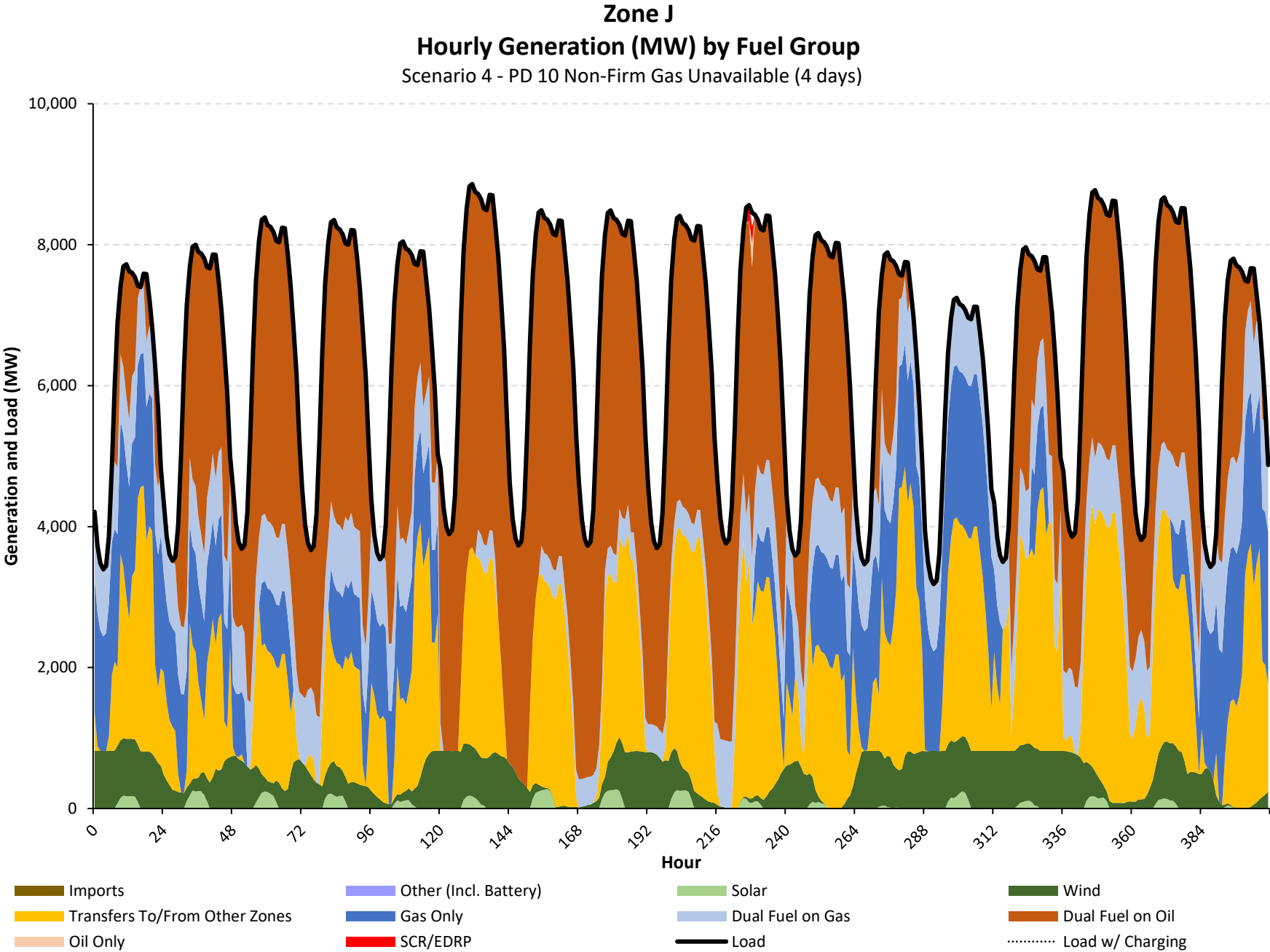
Full Period Results Summary

Case Name: Scenario 4 - PD 10 Non-Firm Gas Unavailable (4 days)

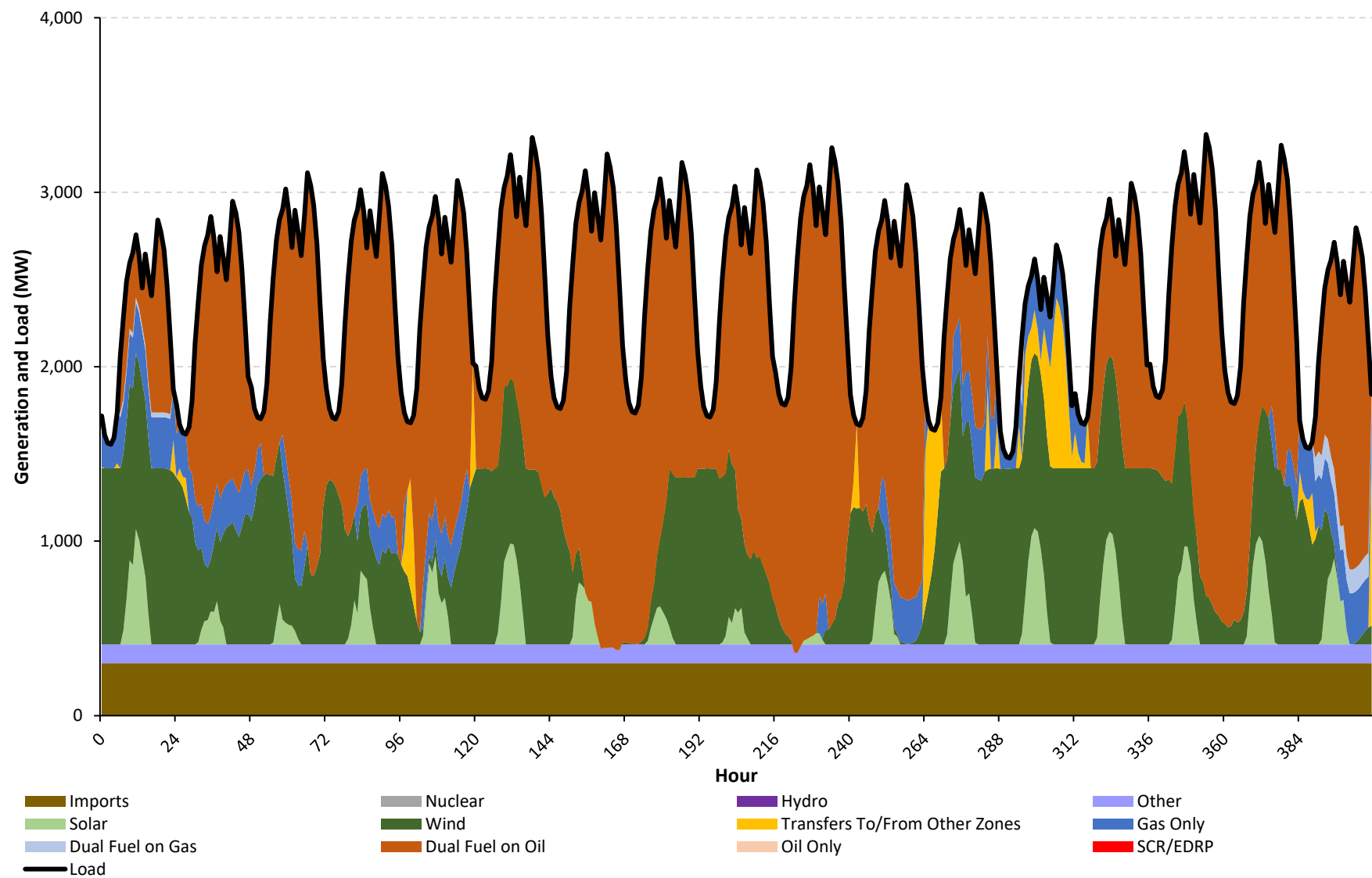
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Off       |
| Loss of Gas Fired Gen.   | 3-4 days  |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |



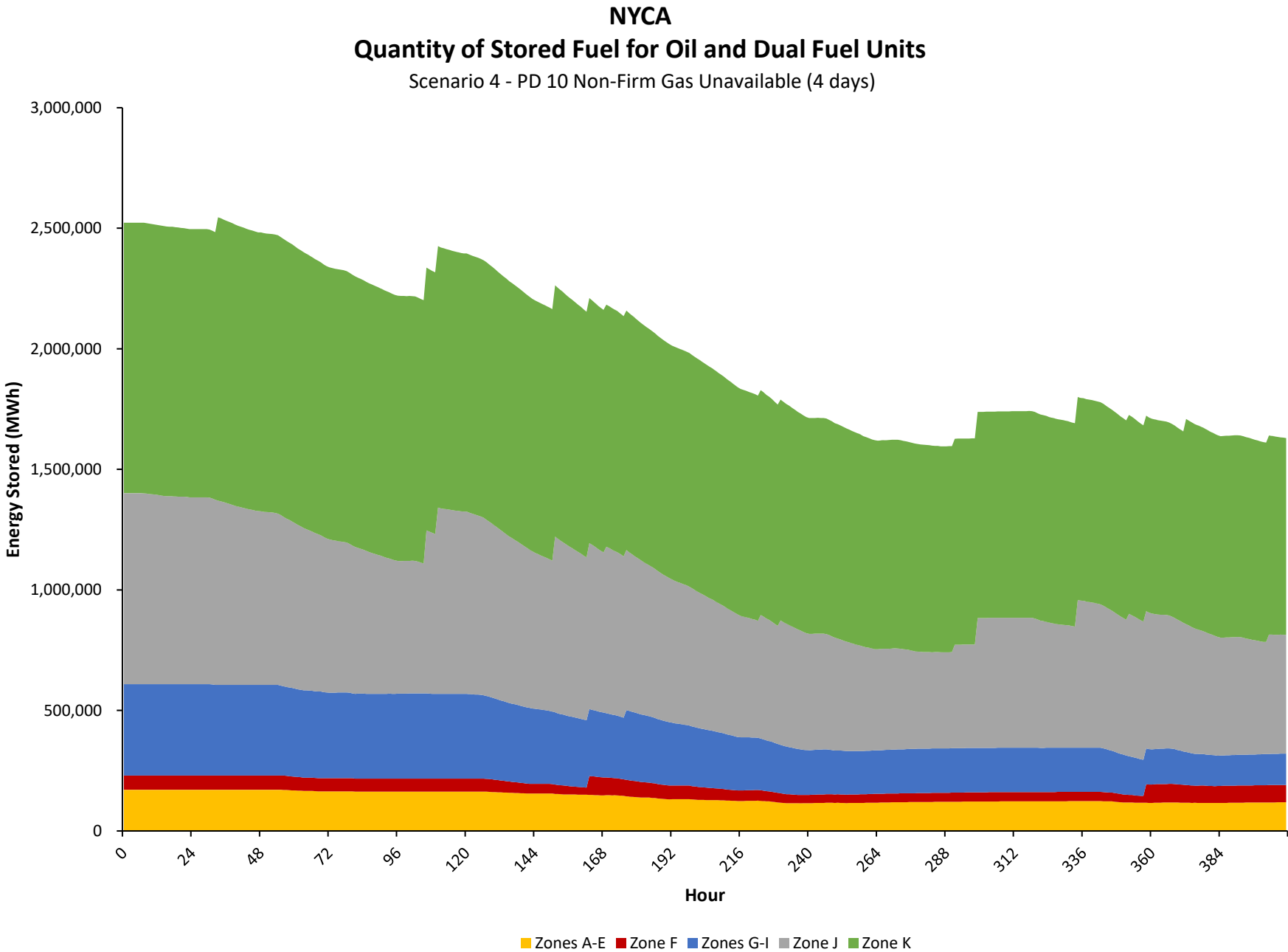


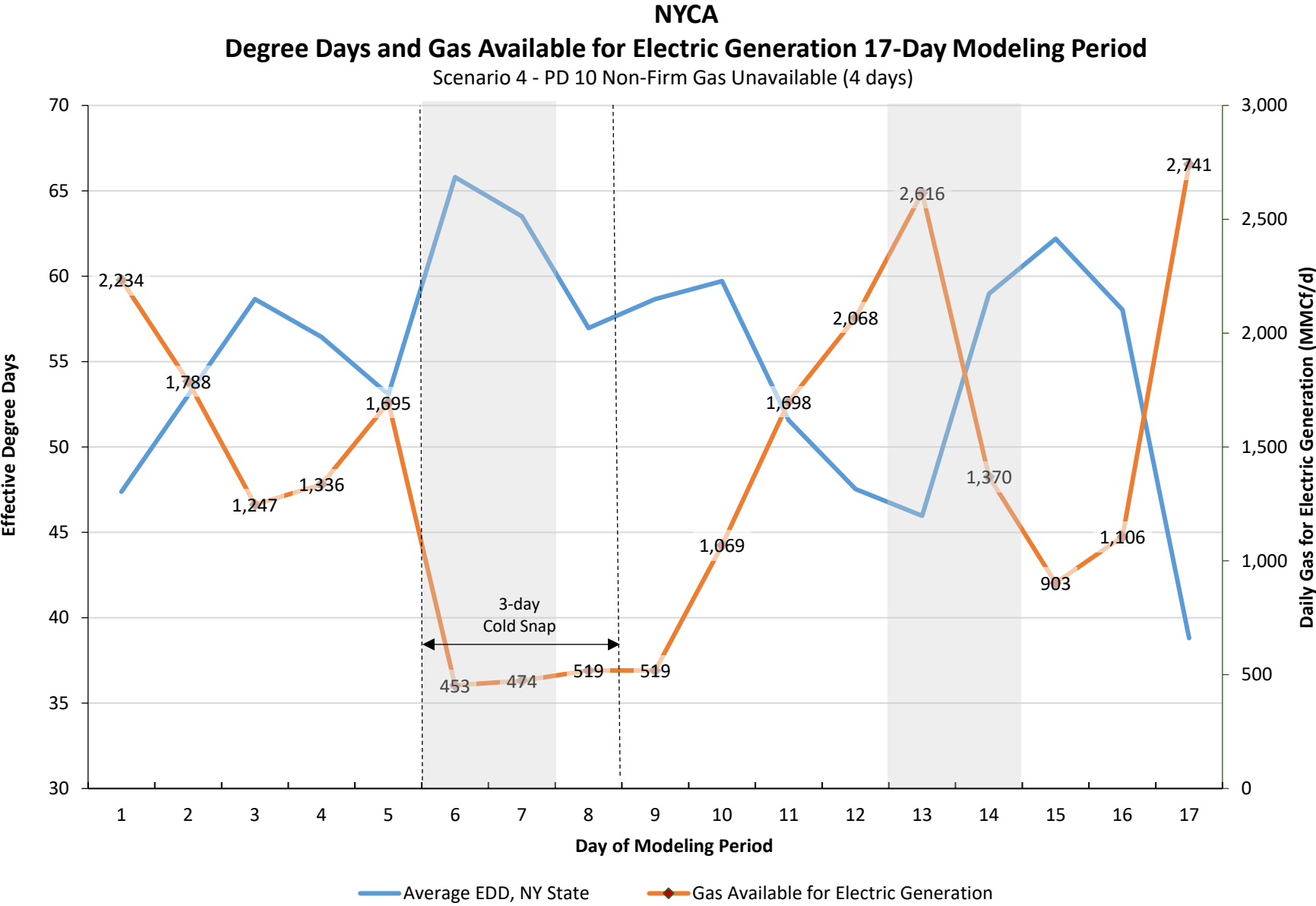


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 4 - PD 10 Non-Firm Gas Unavailable (4 days)

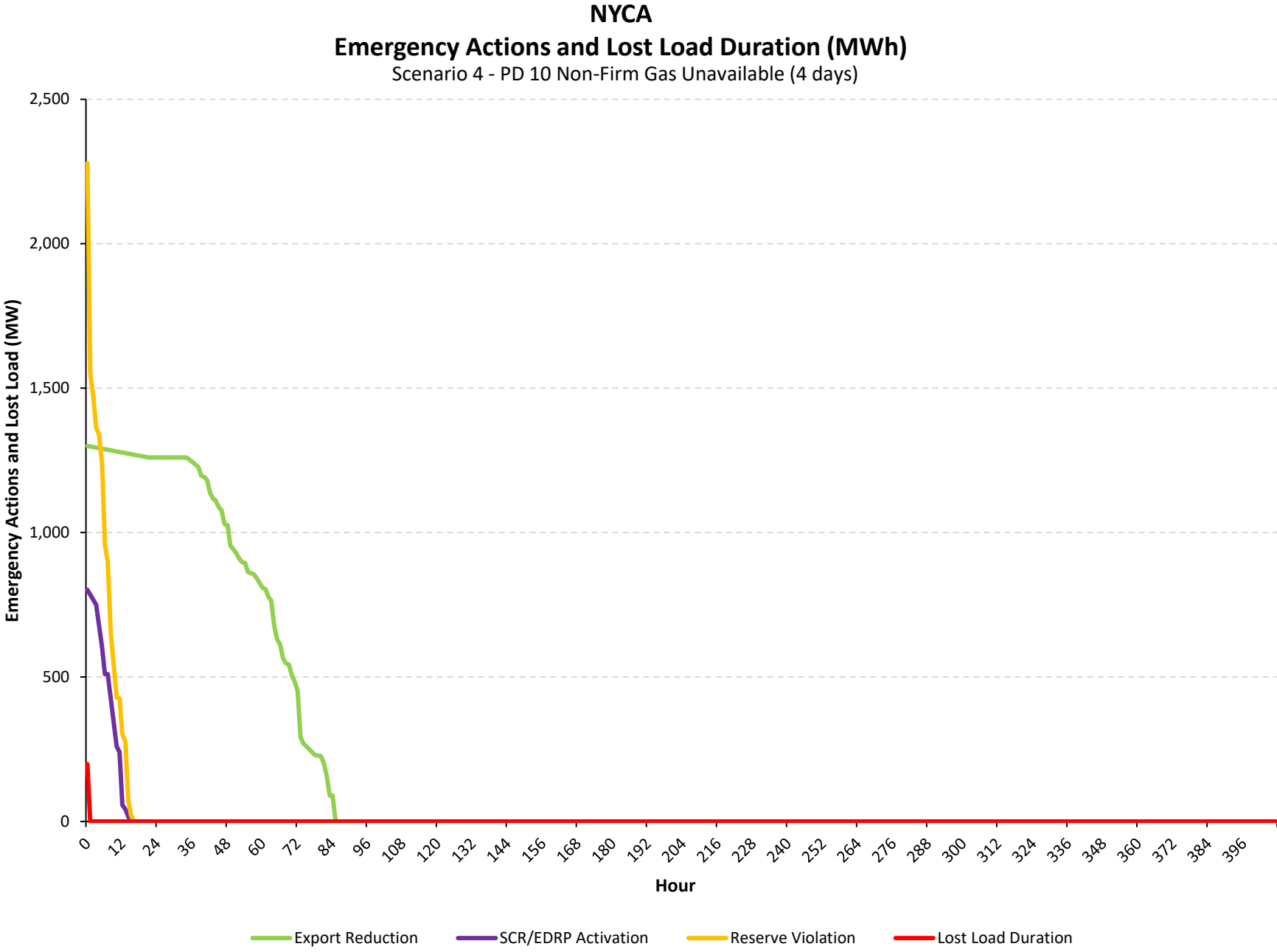


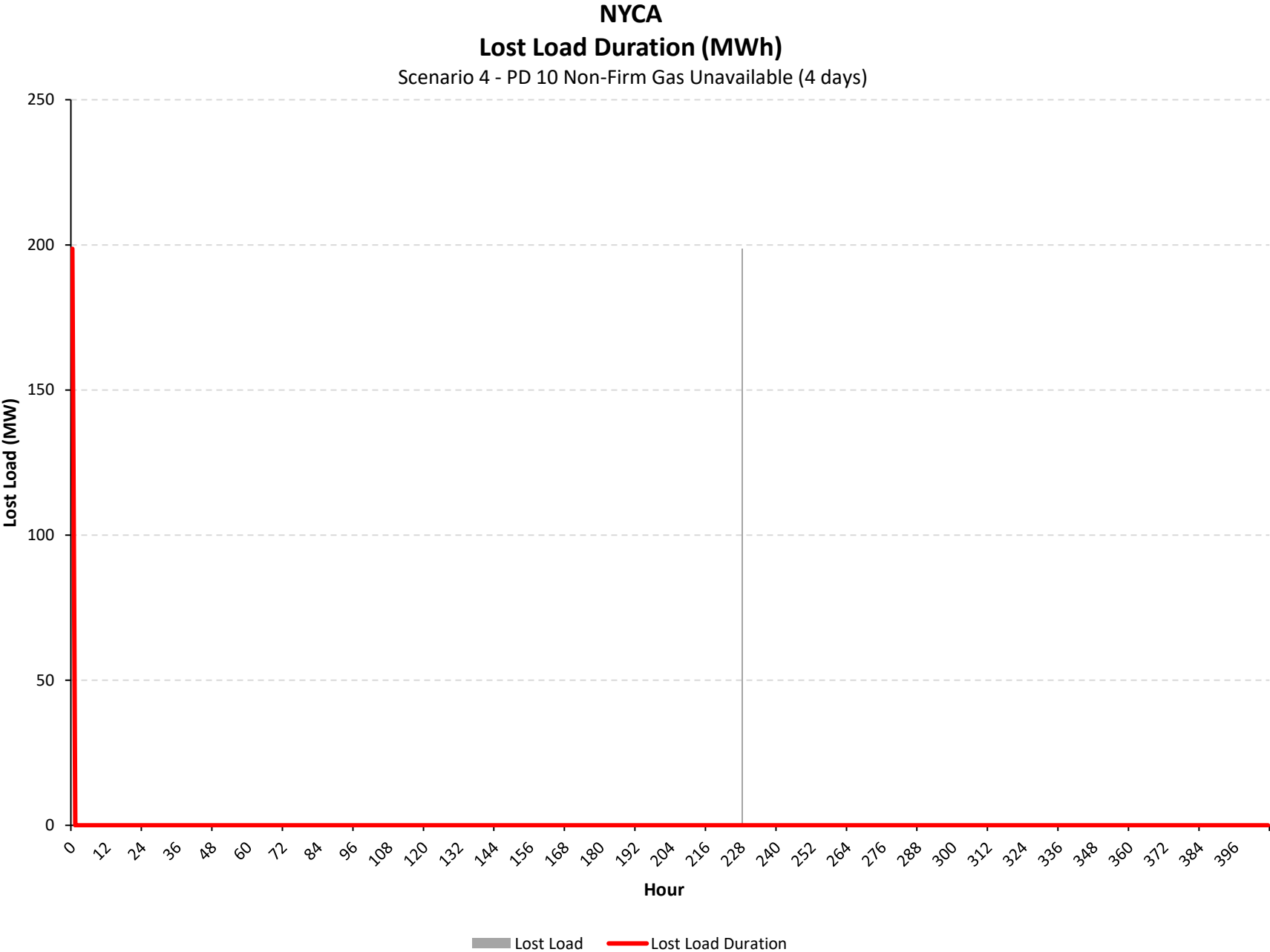






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



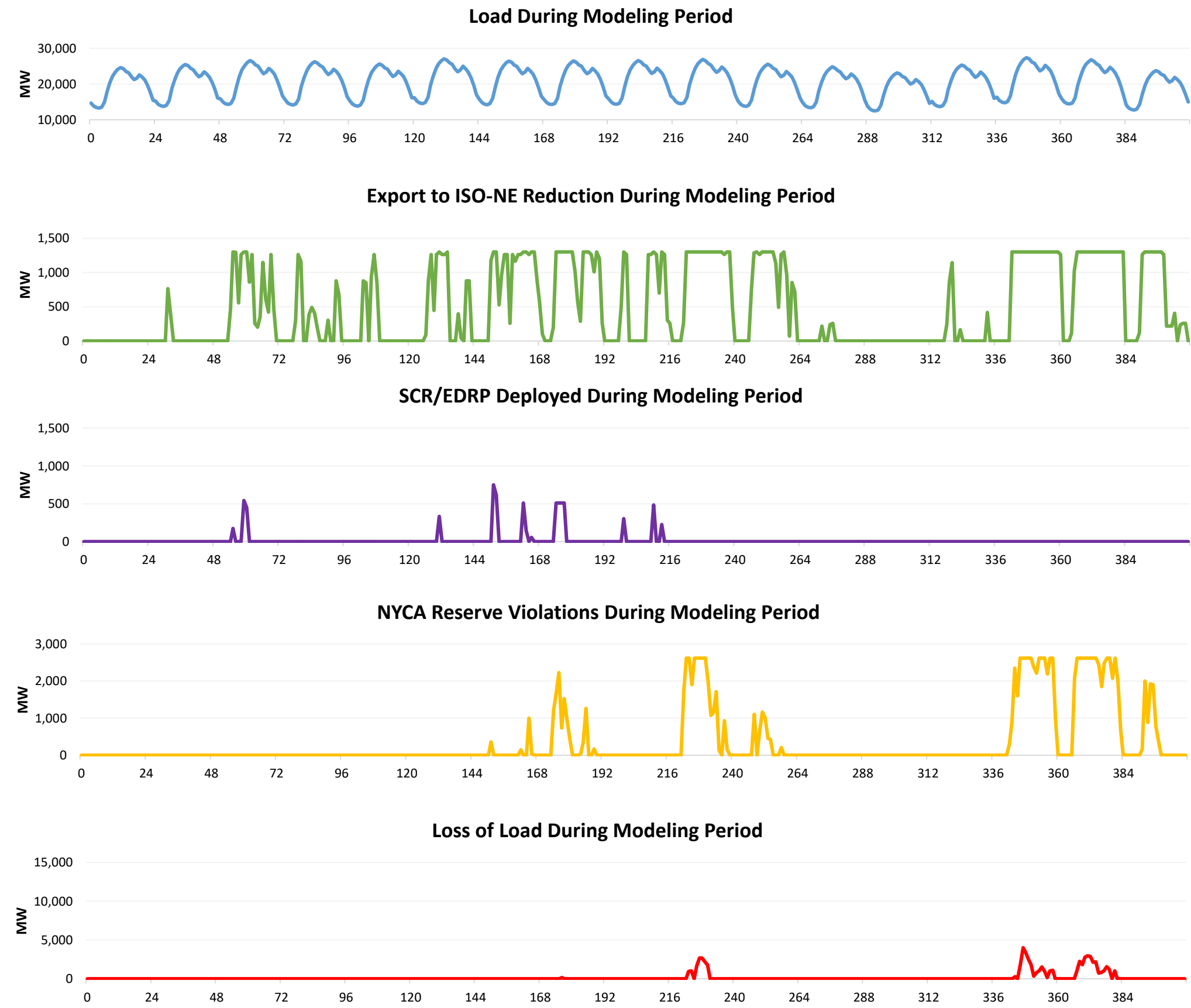


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 4 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 4 - PD 11 Combination Disruption



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Reduced   |
| Loss of Gas Fired Gen.   | Reduced   |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 198     |
| Total MWh         | 197,625 |
| Avg. MW           | 484.4   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,638 |
| Avg. MW        | 16.3  |

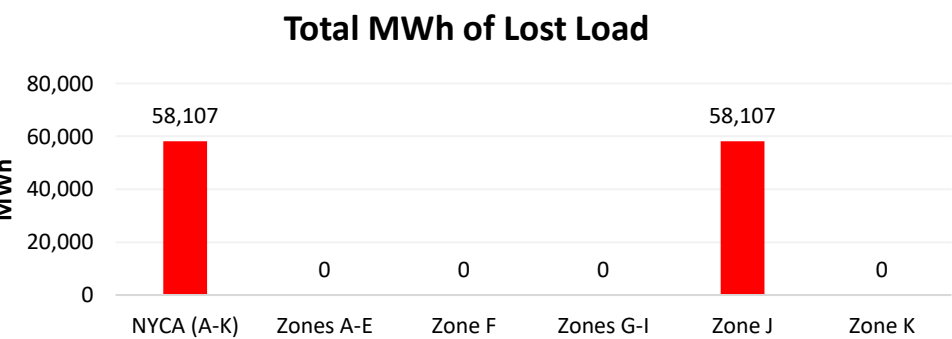
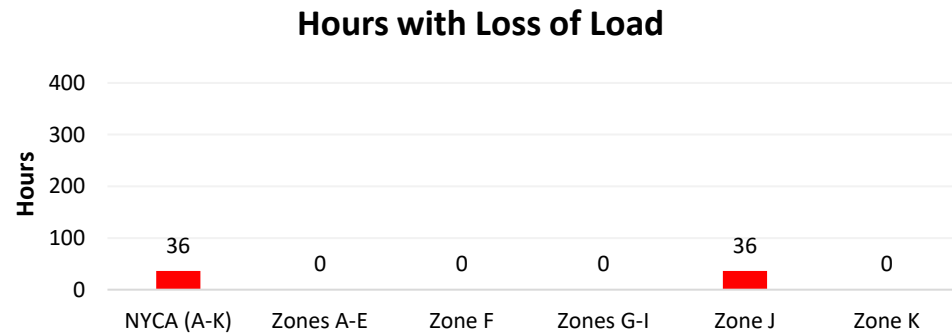
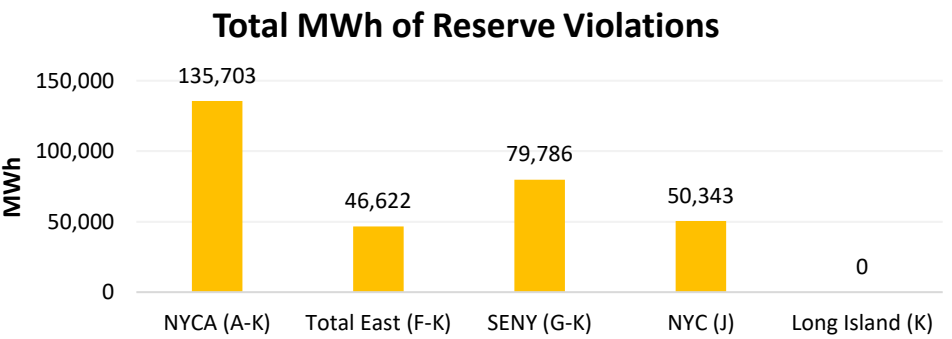
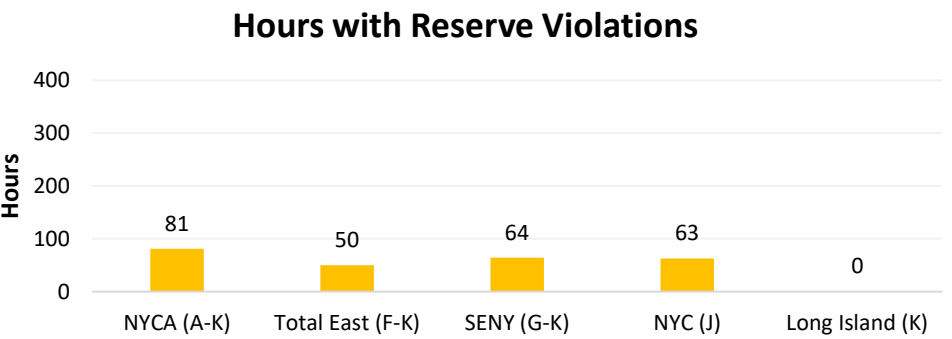
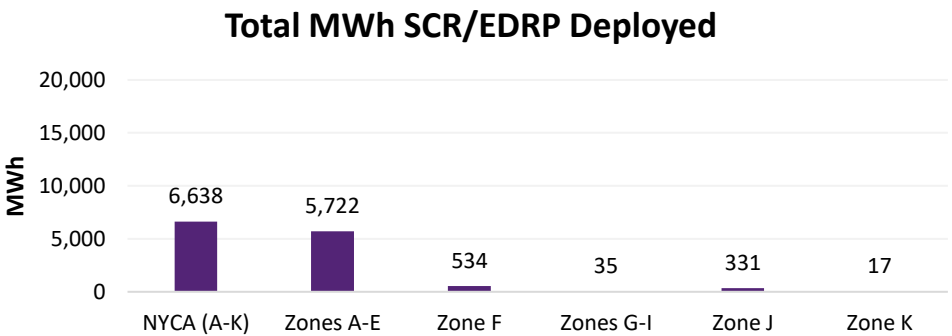
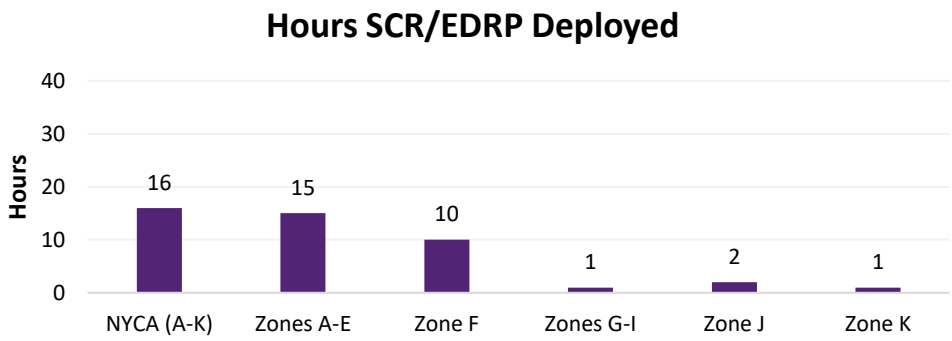
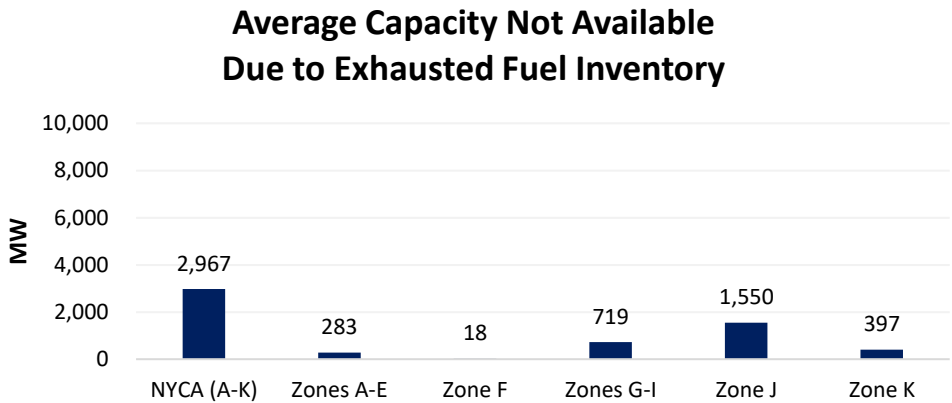
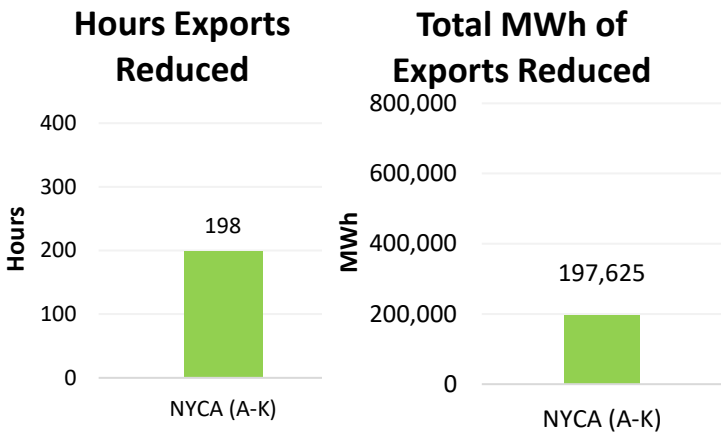
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 81      |
| Total MWh             | 135,703 |
| Avg. MW               | 332.6   |
| First Hour with Viol. | 151     |

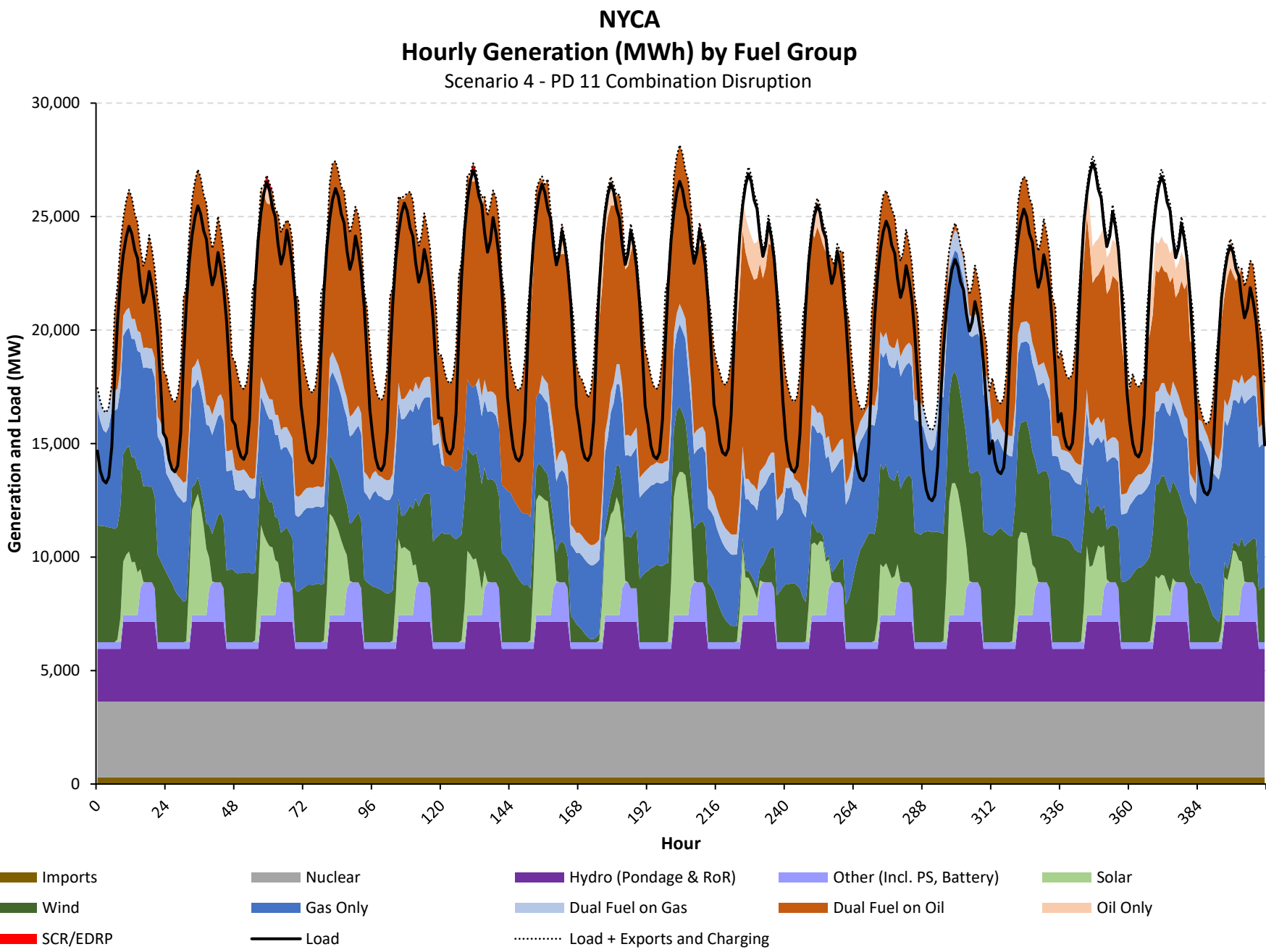
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 36     |
| Total MWh              | 58,107 |
| Avg. MW                | 142.4  |
| First Hour with Losses | 176    |

Full Period Results Summary

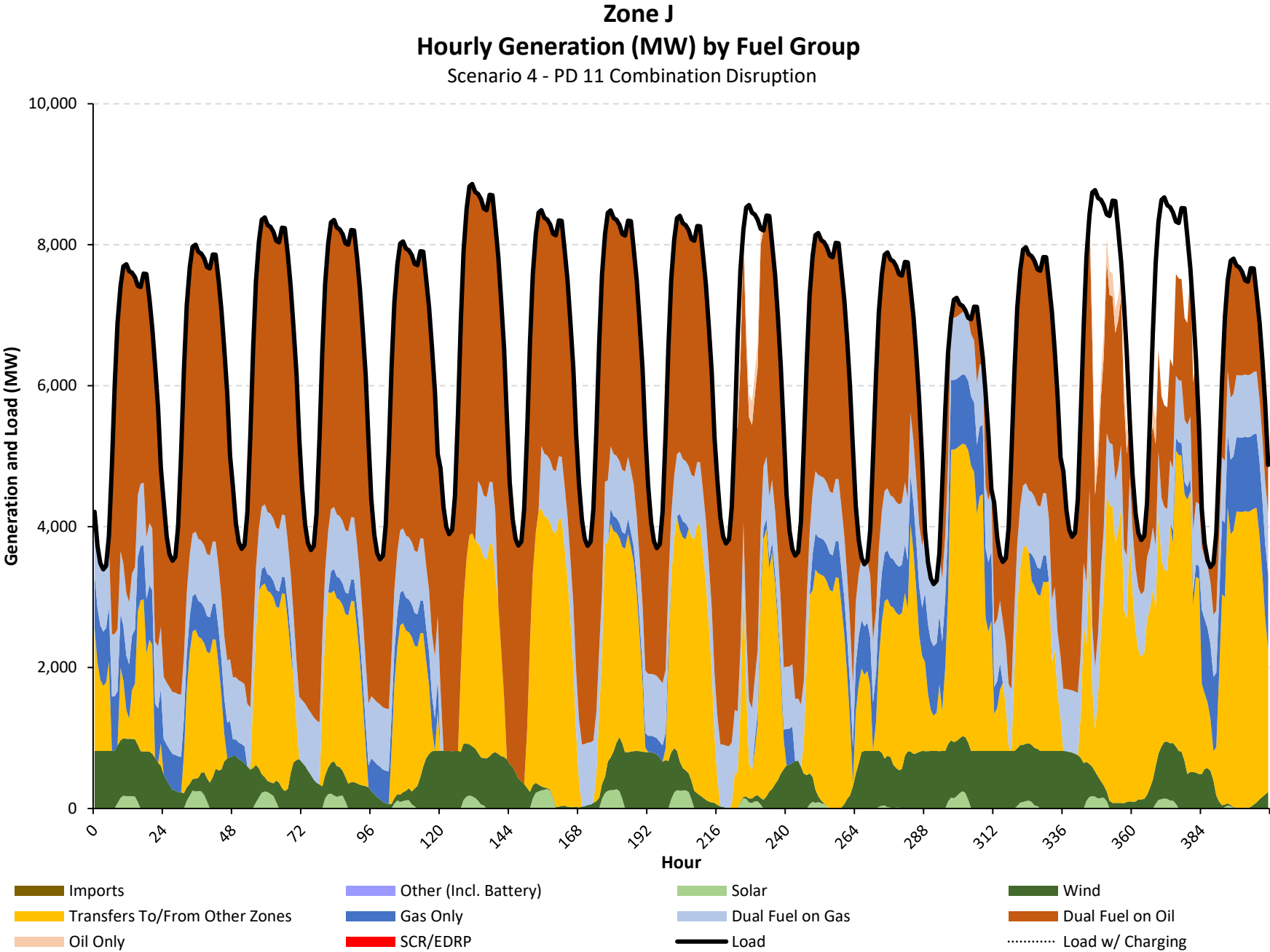
Case Name: Scenario 4 - PD 11 Combination Disruption

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | High      |
| Starting Storage:        | High      |
| Renewables:              | Base Case |
| Refill Contingency:      | Reduced   |
| Loss of Gas Fired Gen.   | Reduced   |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

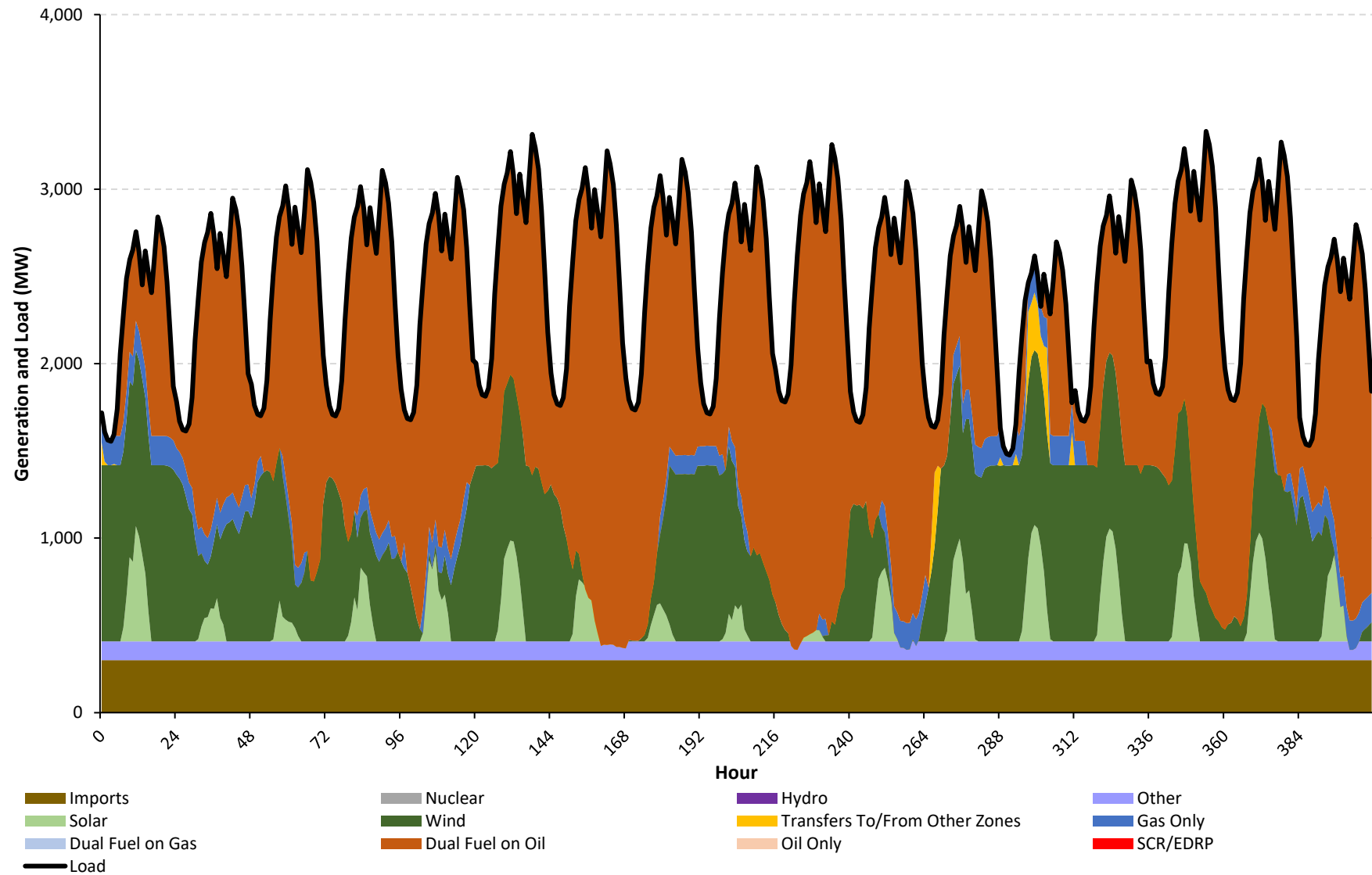




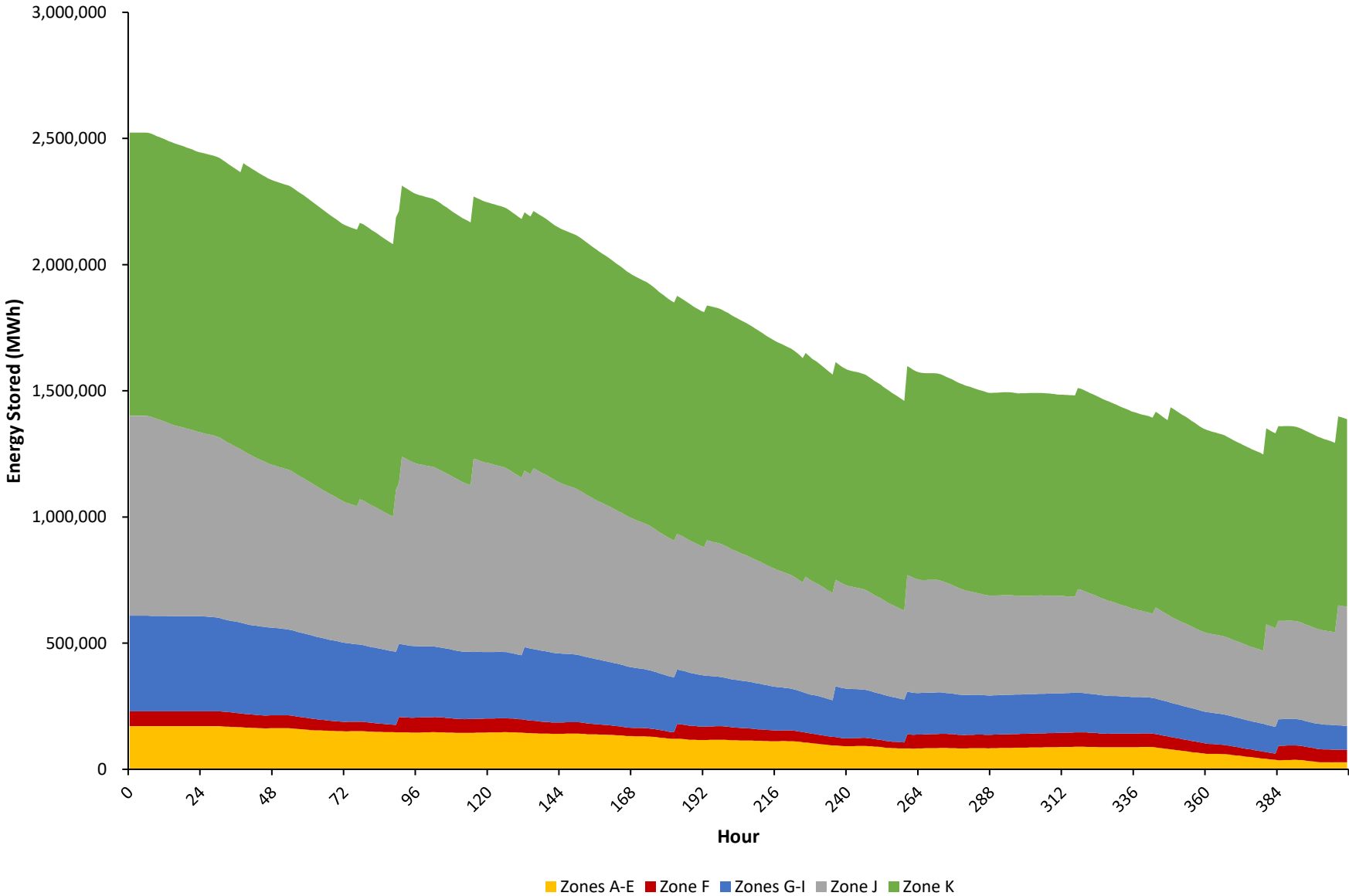


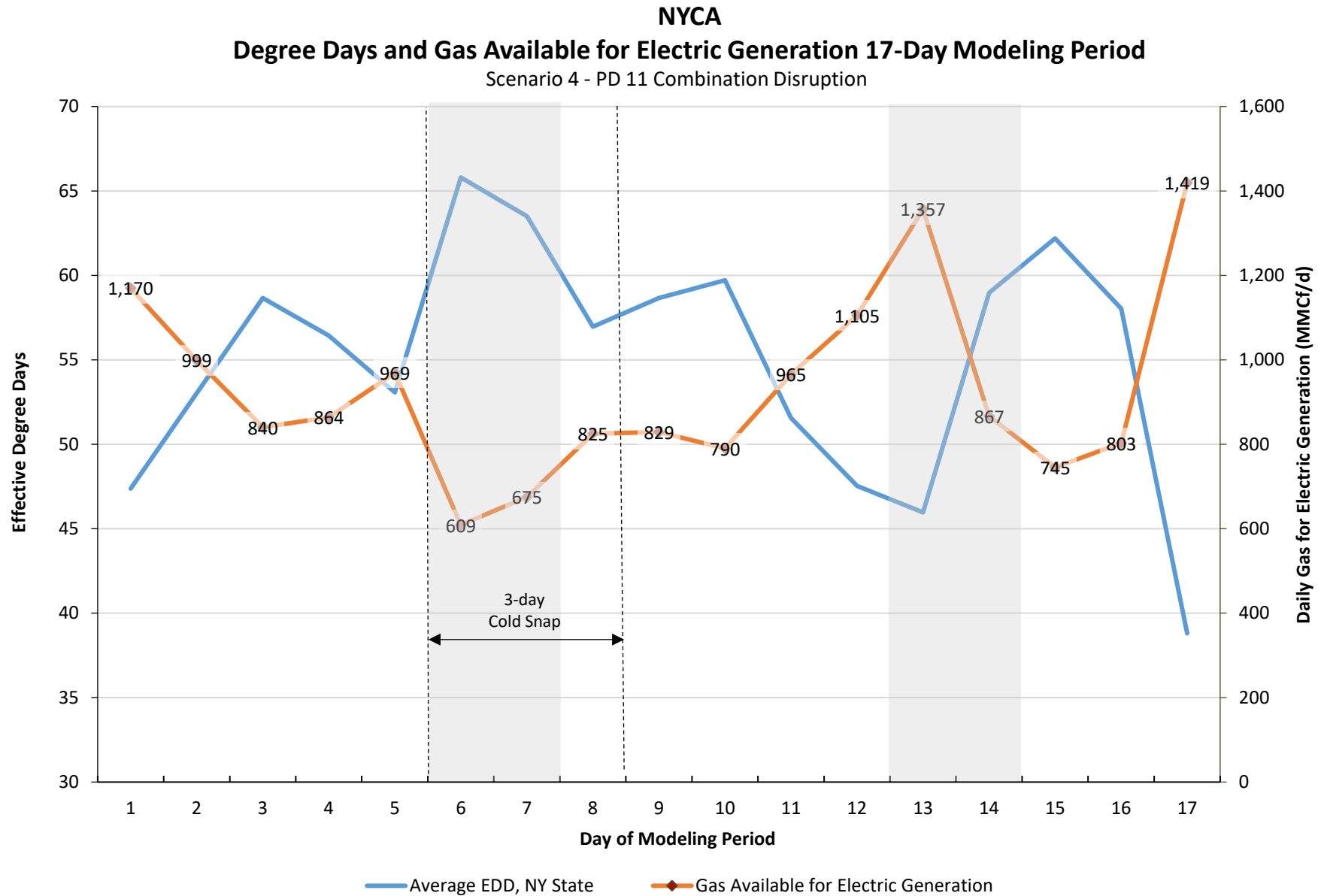


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 4 - PD 11 Combination Disruption



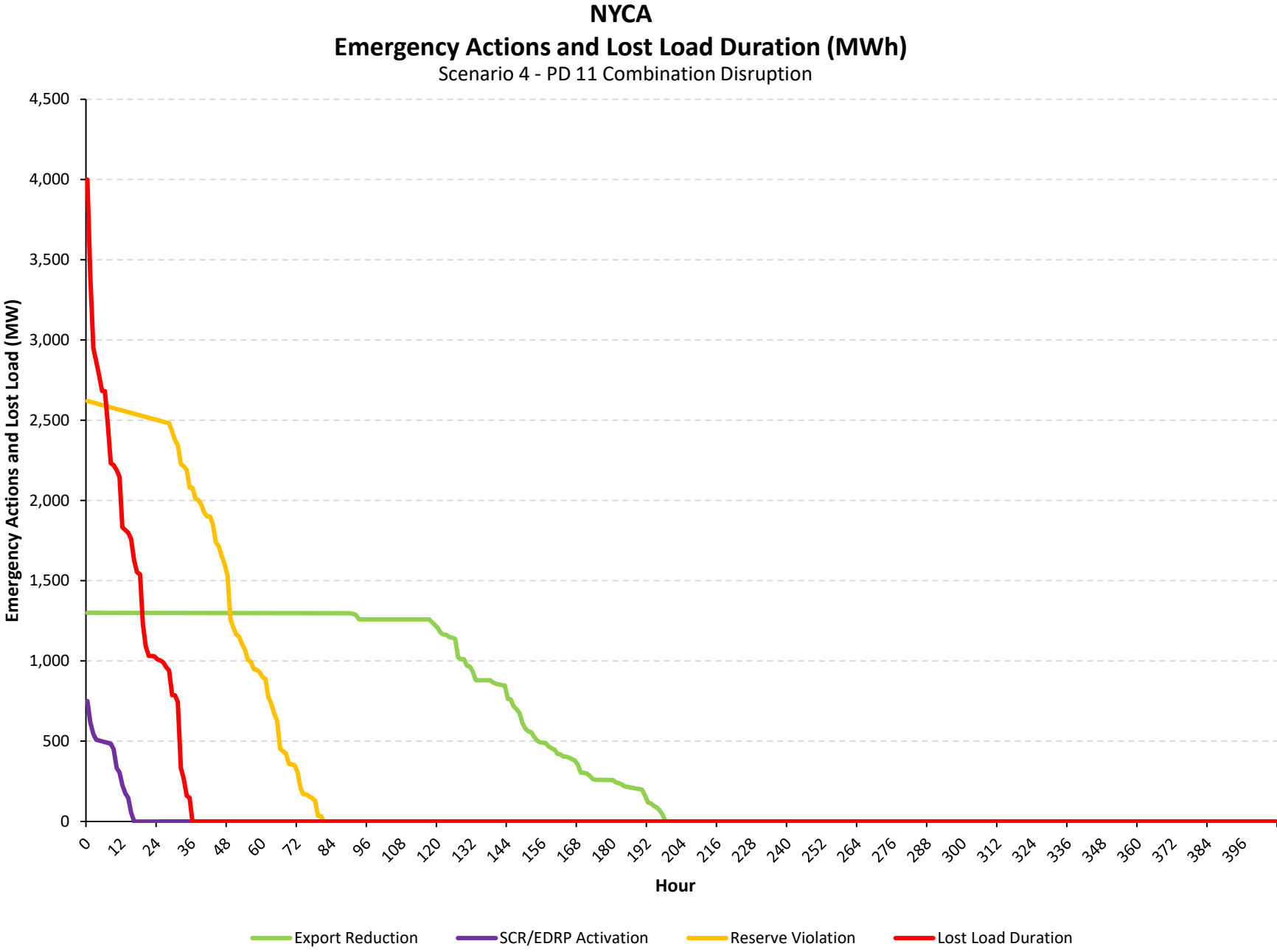
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 4 - PD 11 Combination Disruption

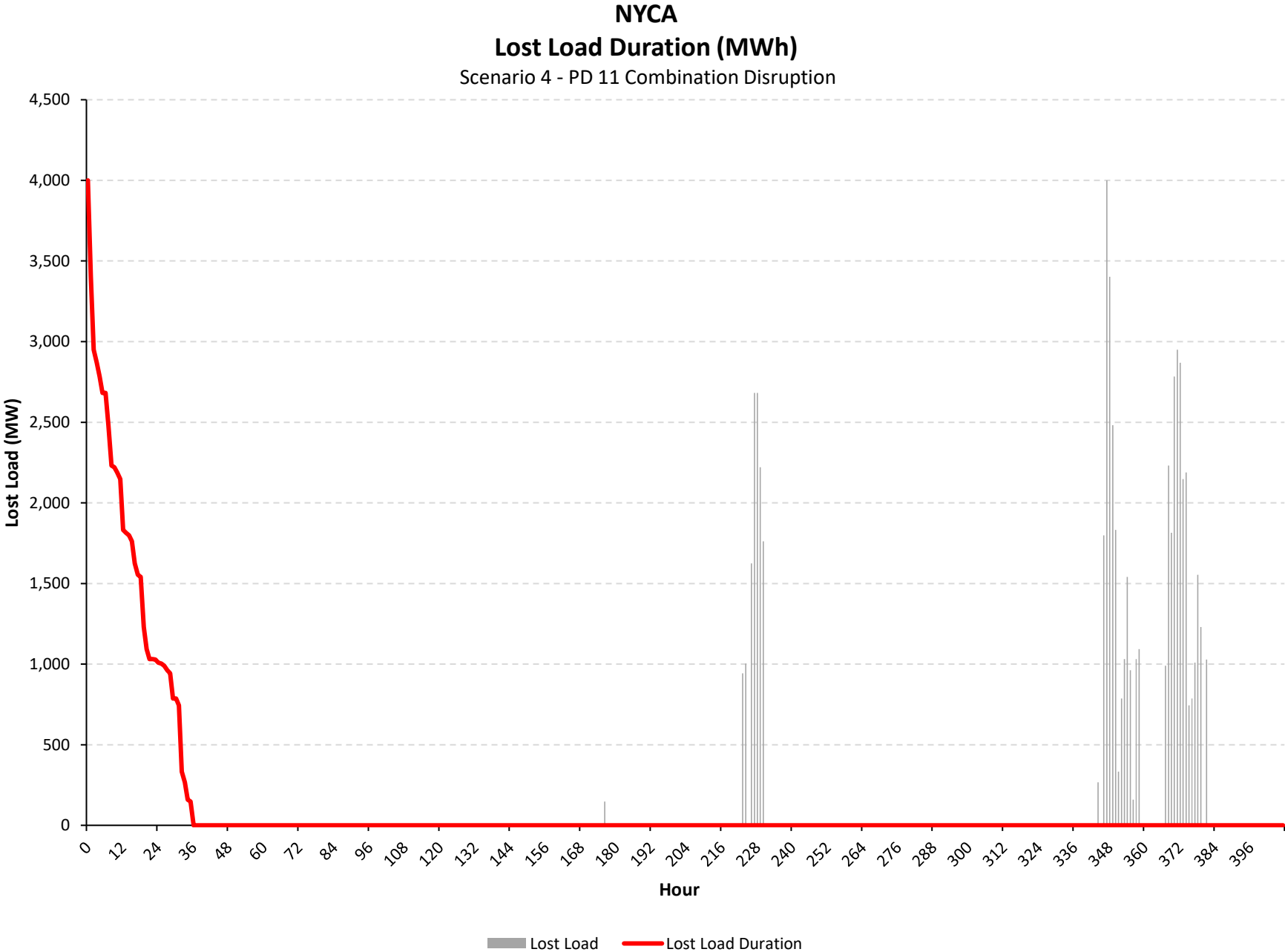




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



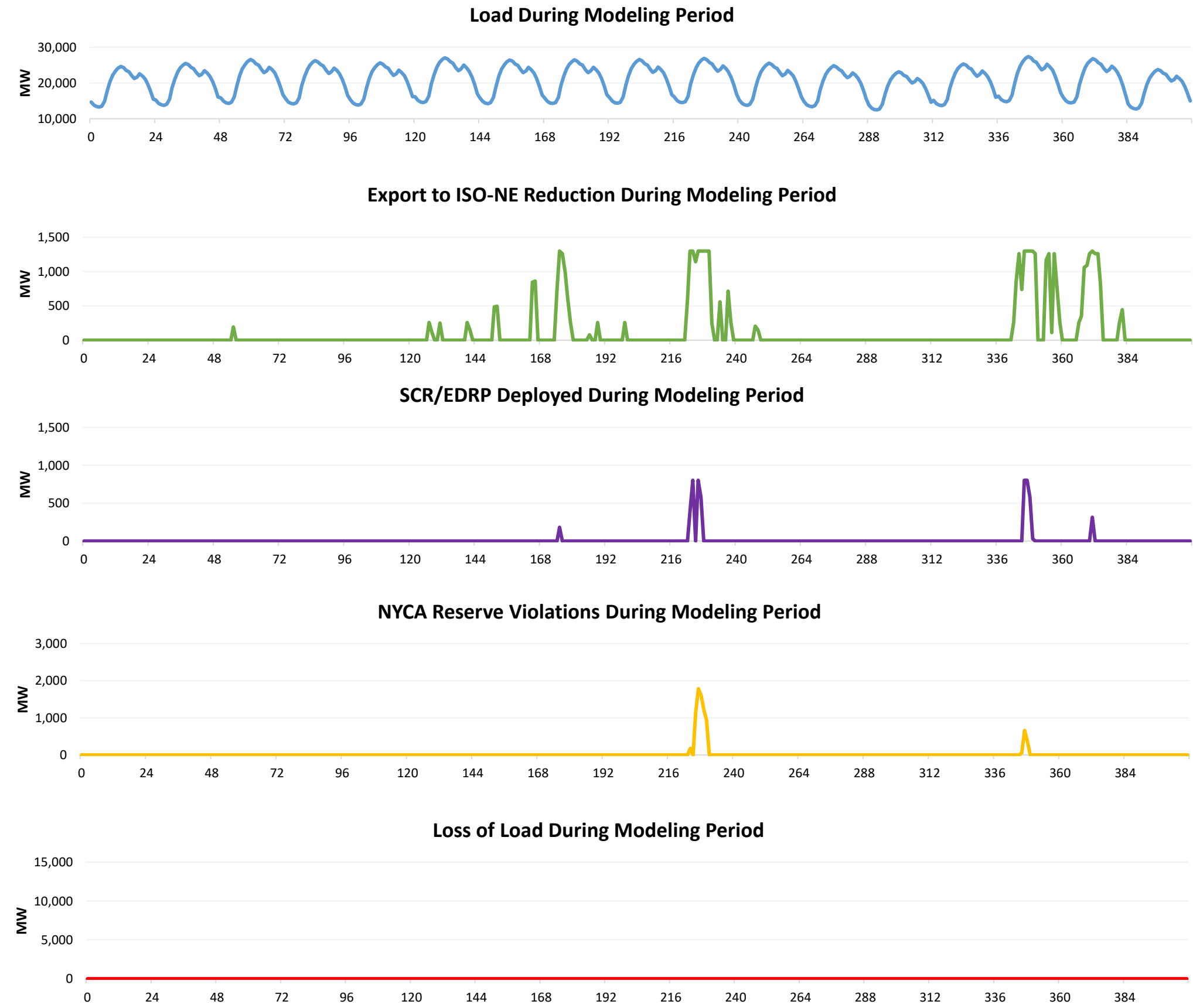


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 1 No Disruptions



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 60     |
| Total MWh         | 46,427 |
| Avg. MW           | 113.8  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 10    |
| Total MWh      | 5,287 |
| Avg. MW        | 13.0  |

| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 9     |
| Total MWh             | 7,901 |
| Avg. MW               | 19.4  |
| First Hour with Viol. | 224   |

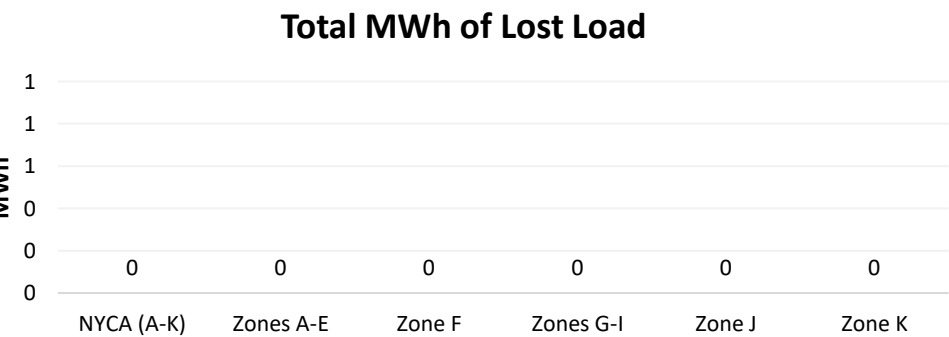
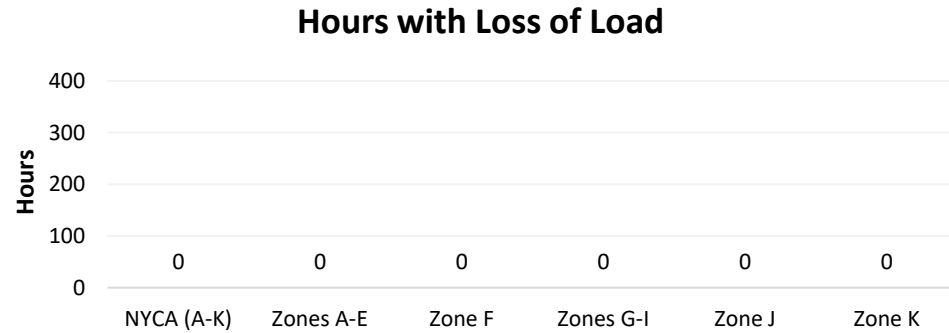
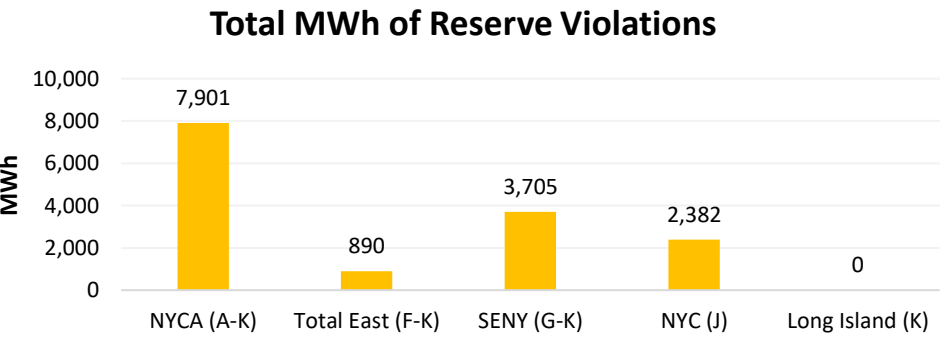
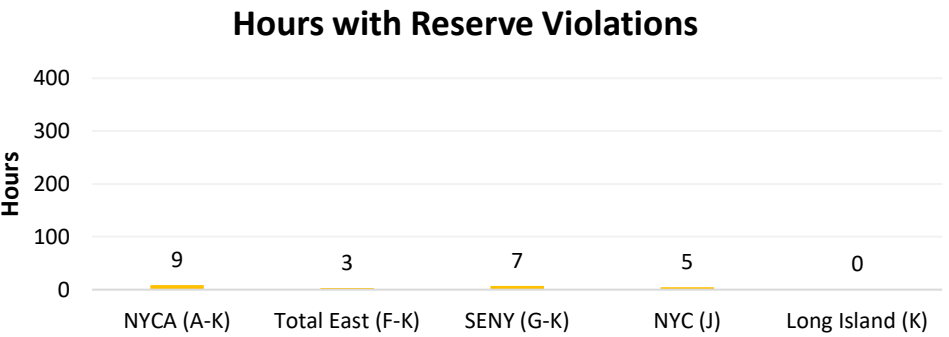
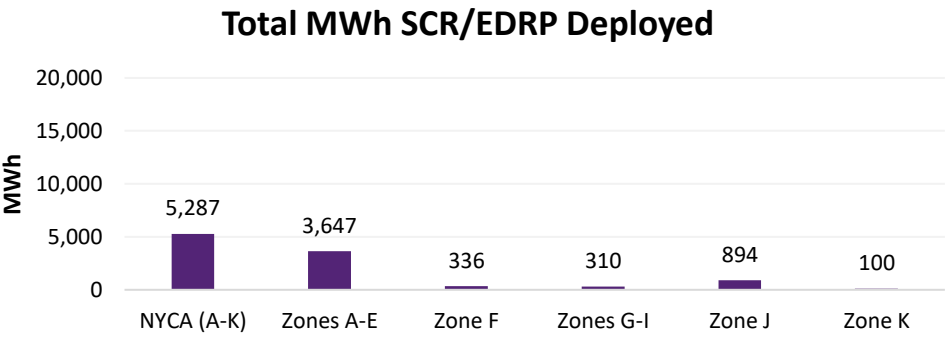
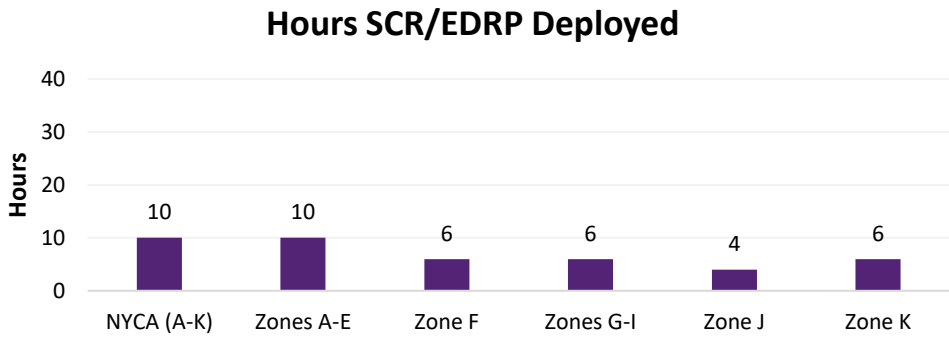
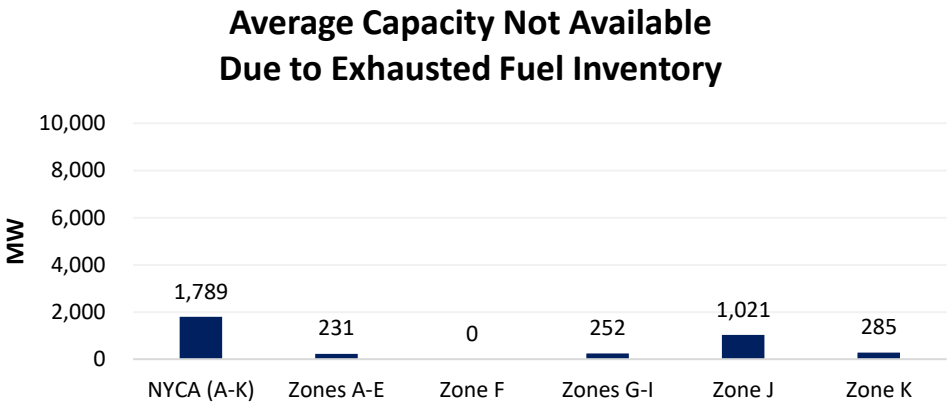
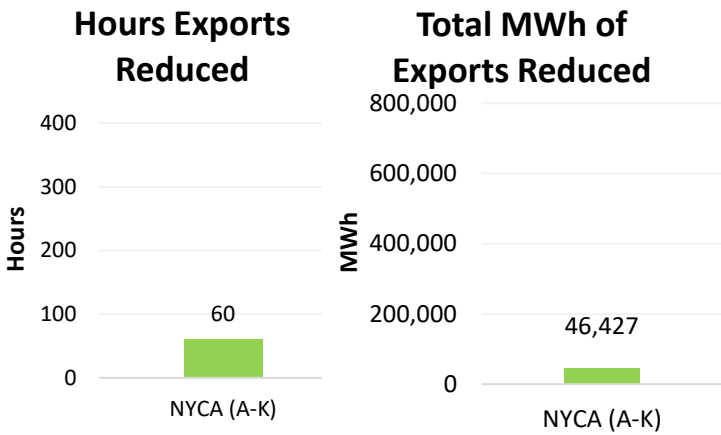
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

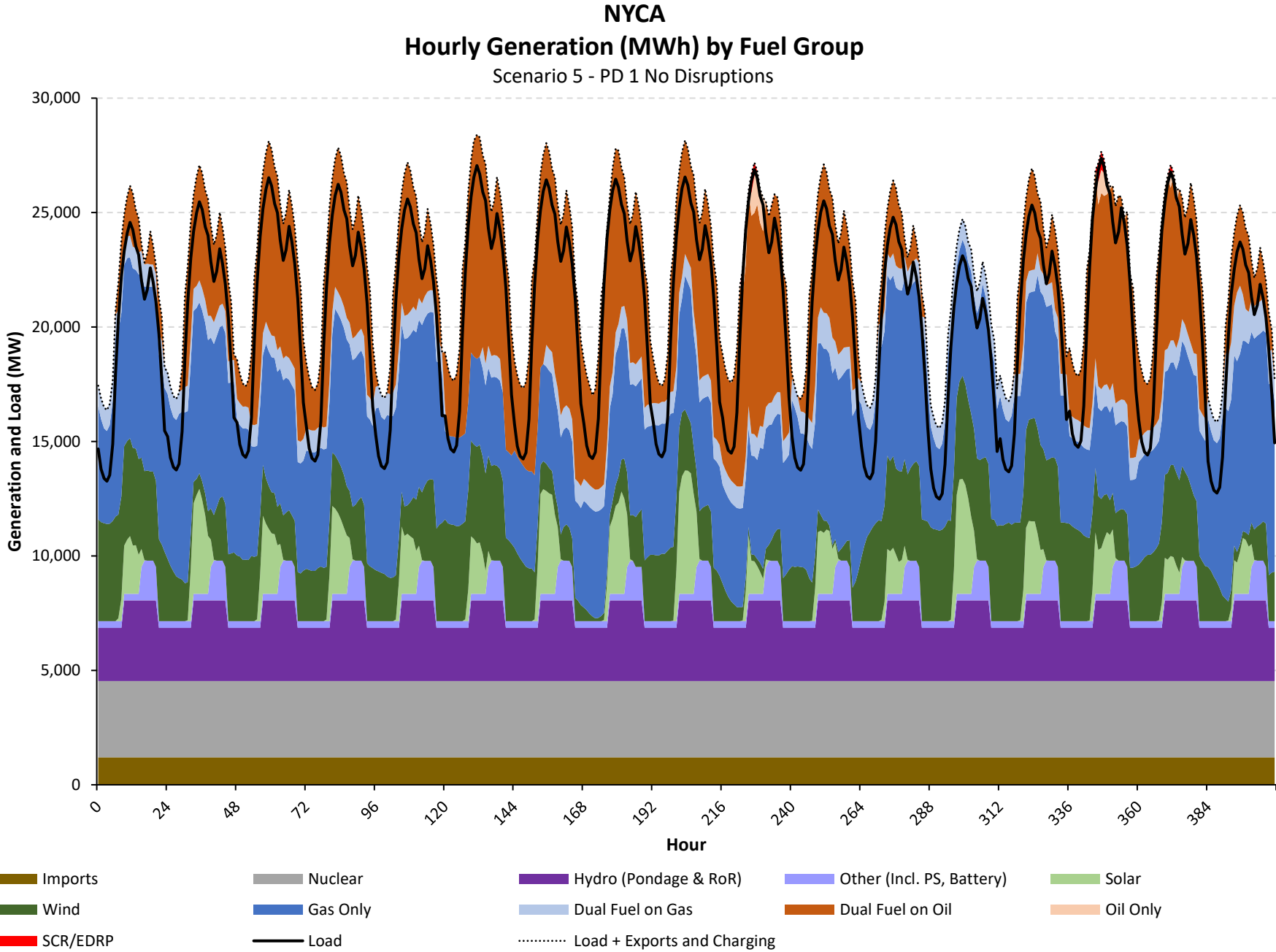


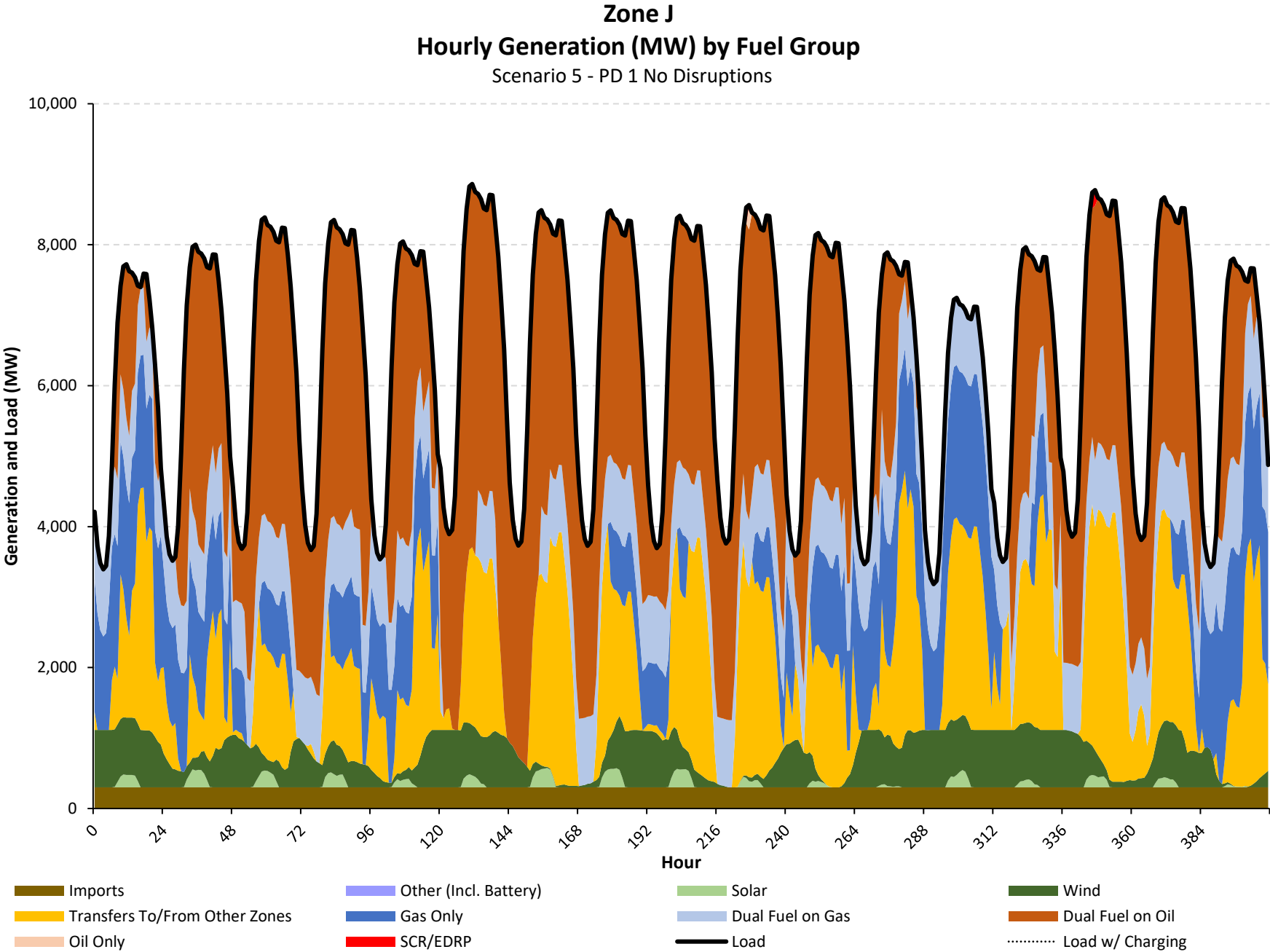
Full Period Results Summary

Case Name: Scenario 5 - PD 1 No Disruptions

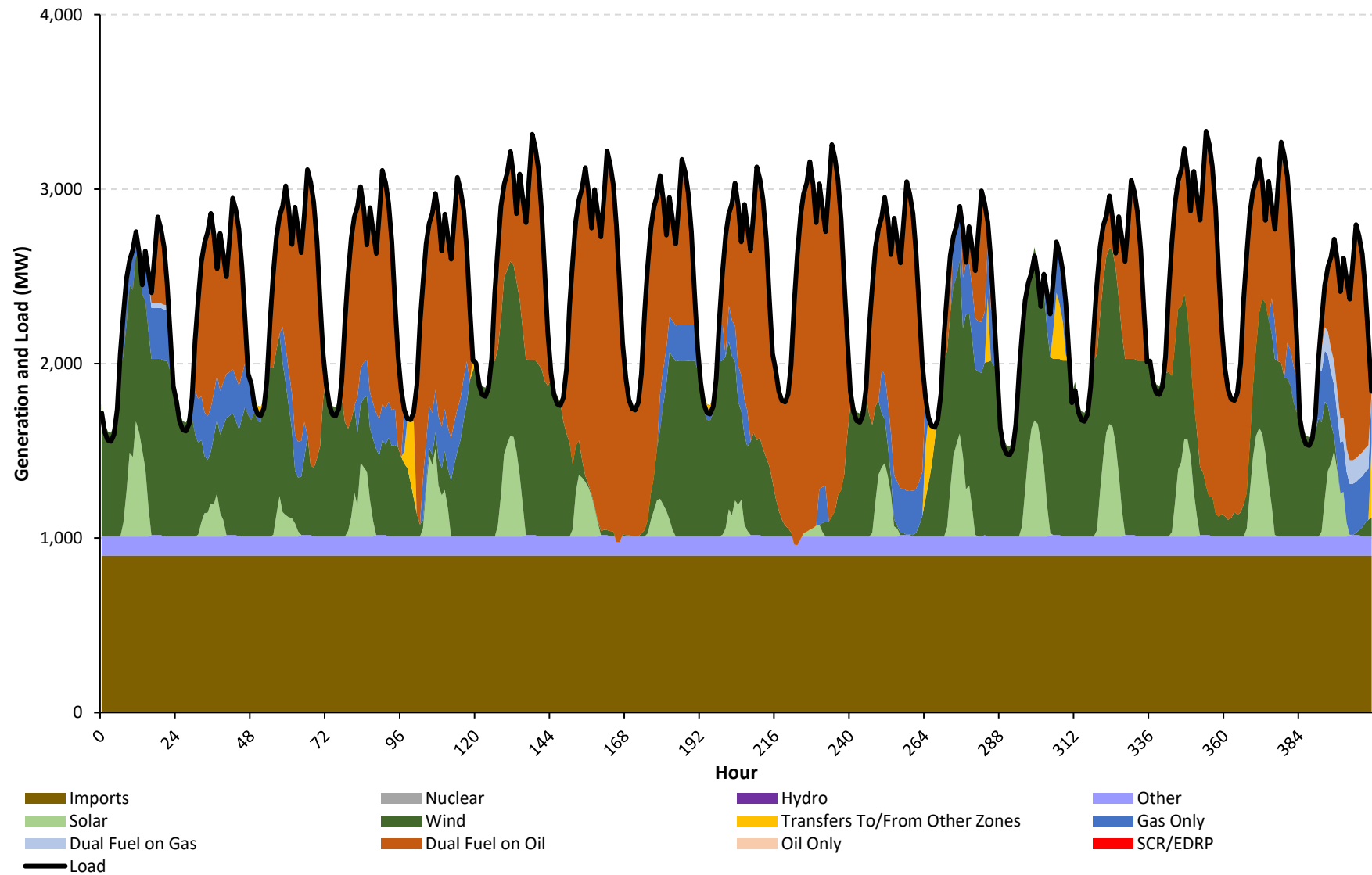
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

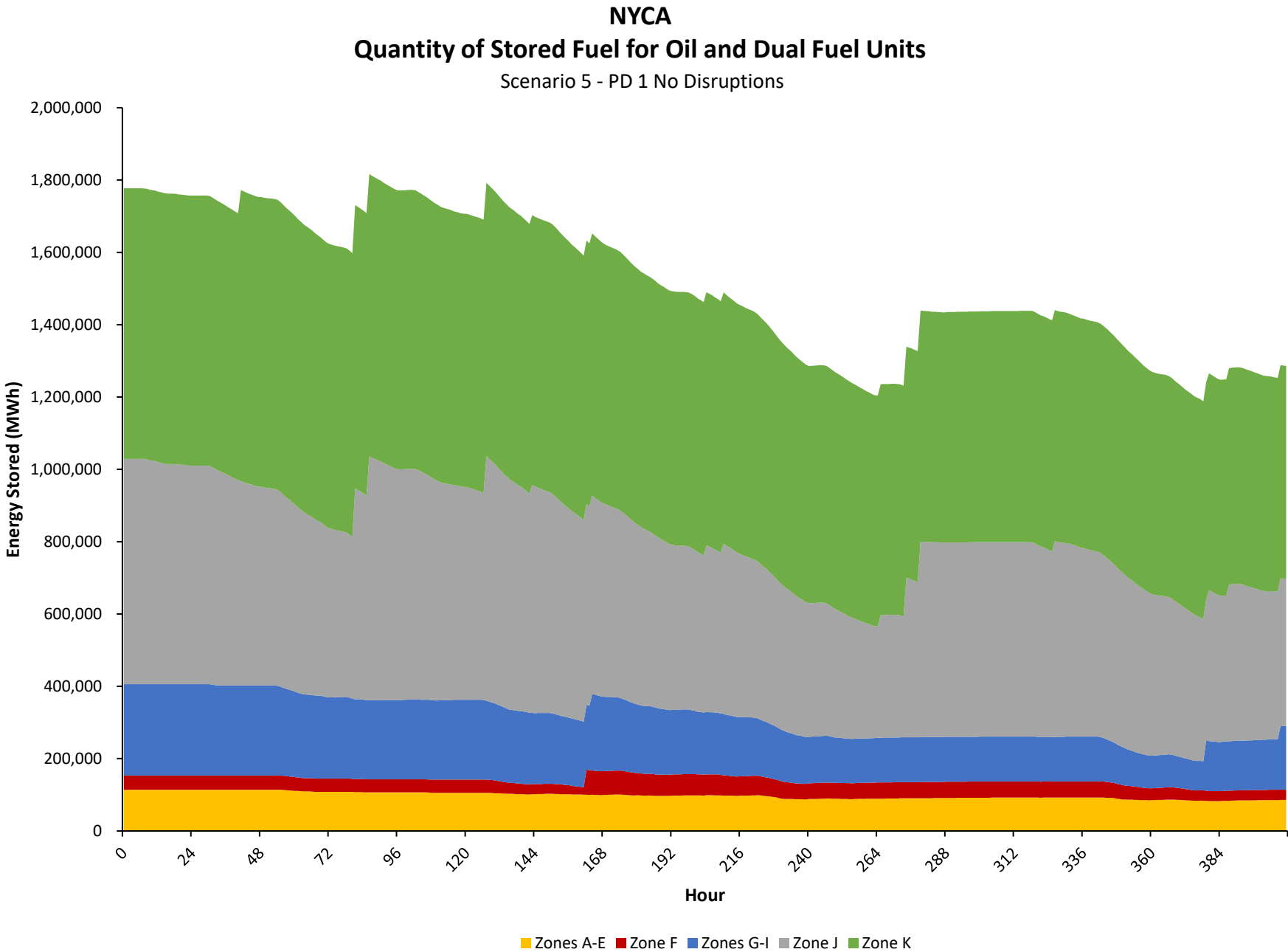


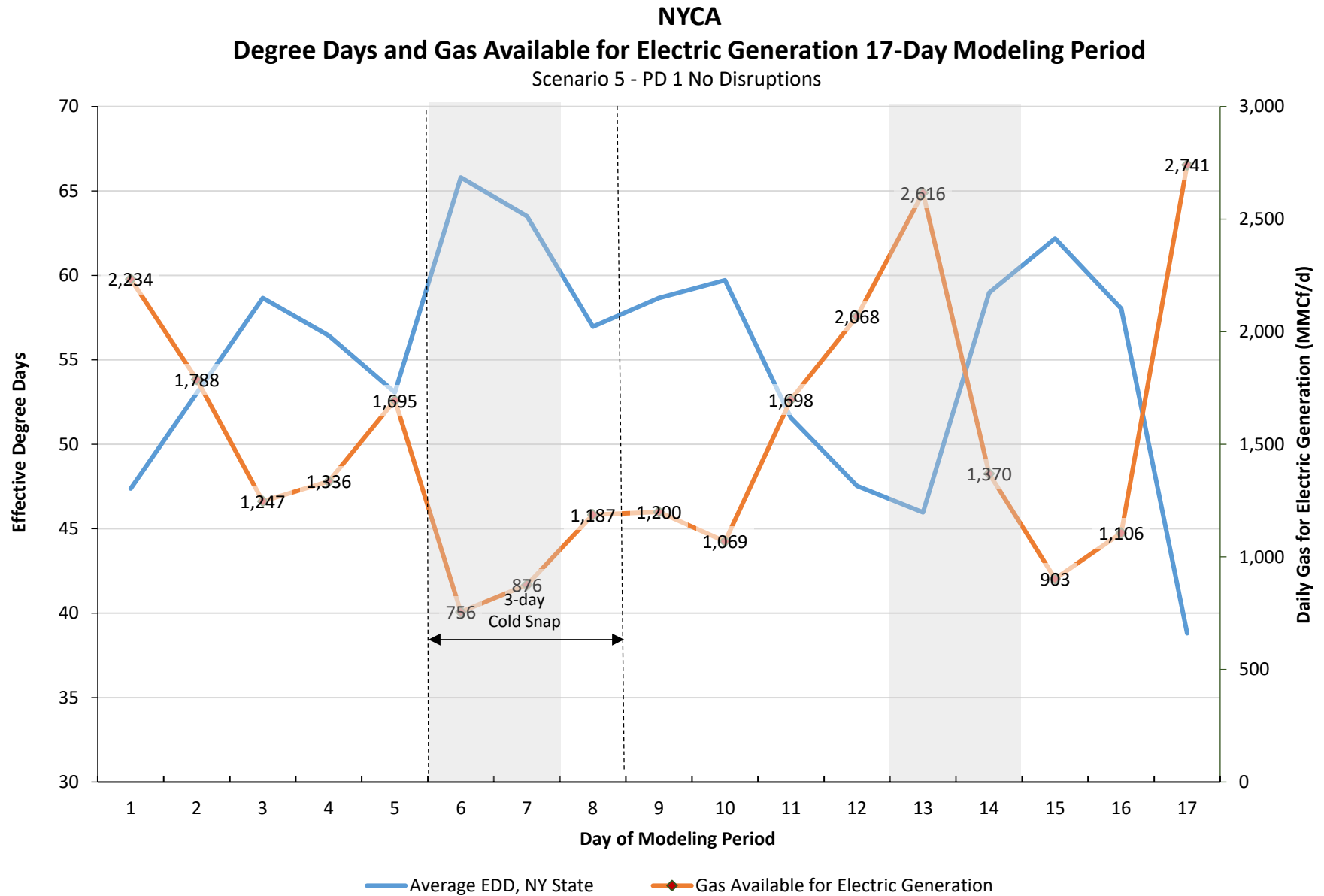




Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 5 - PD 1 No Disruptions

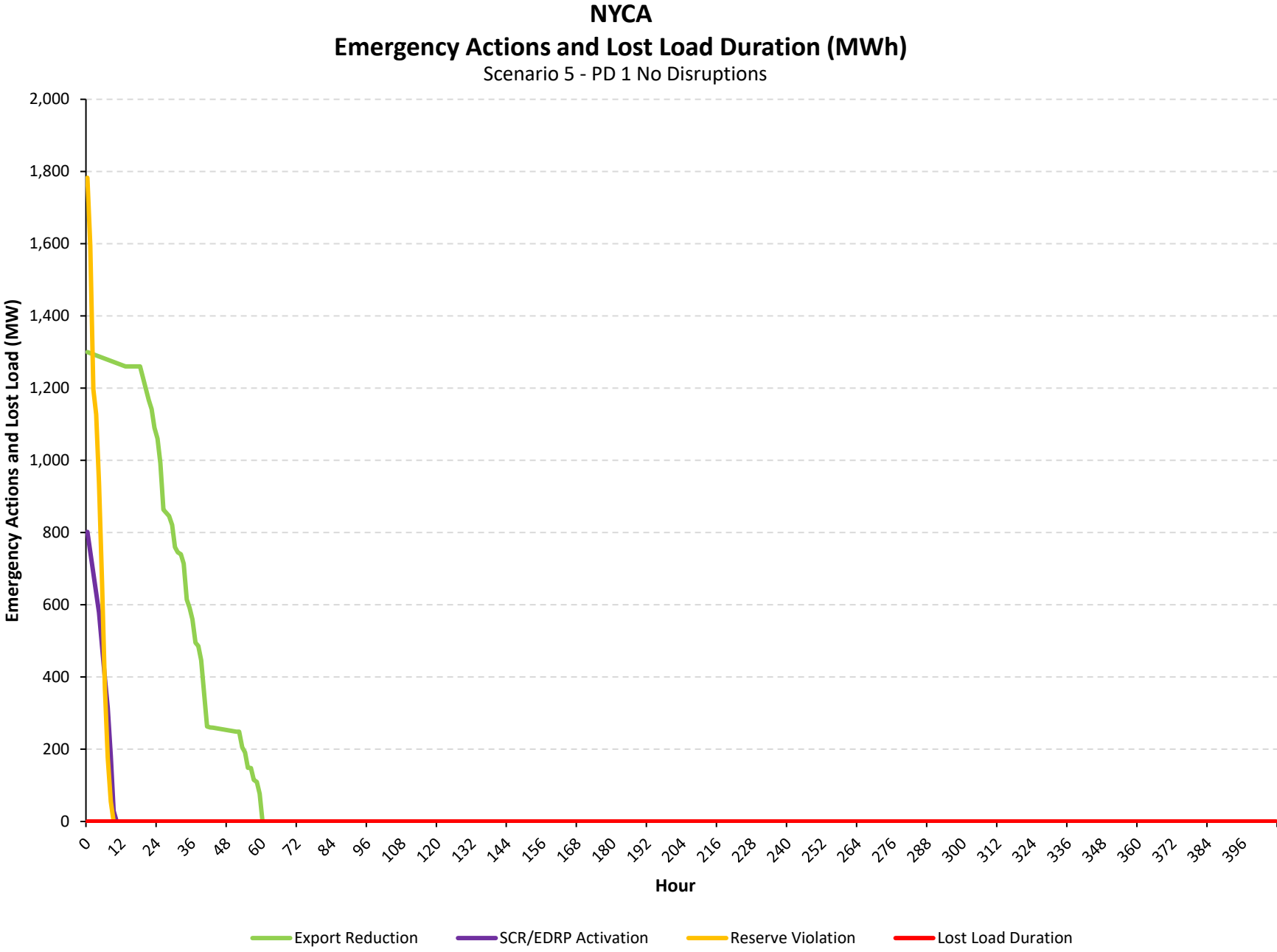


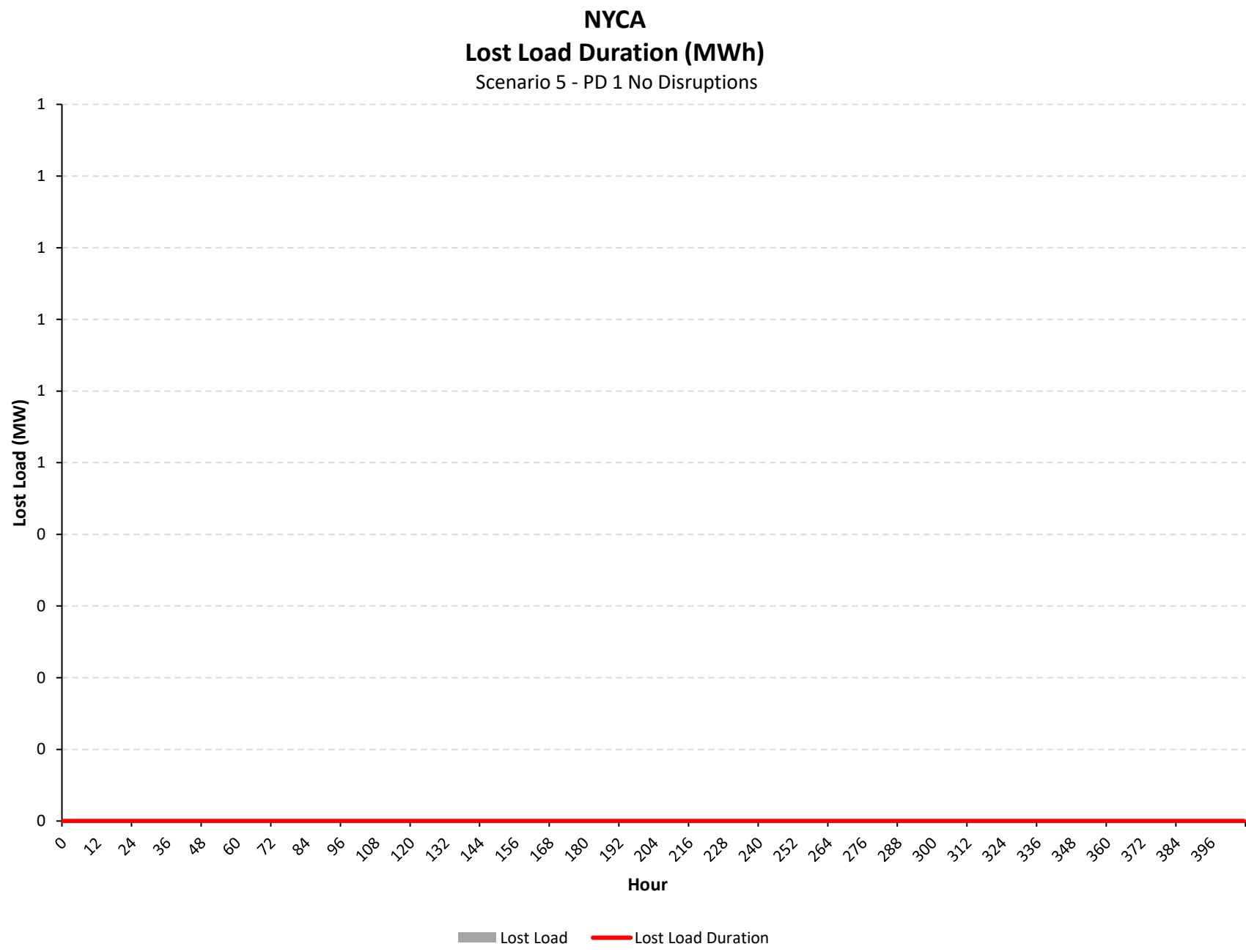




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





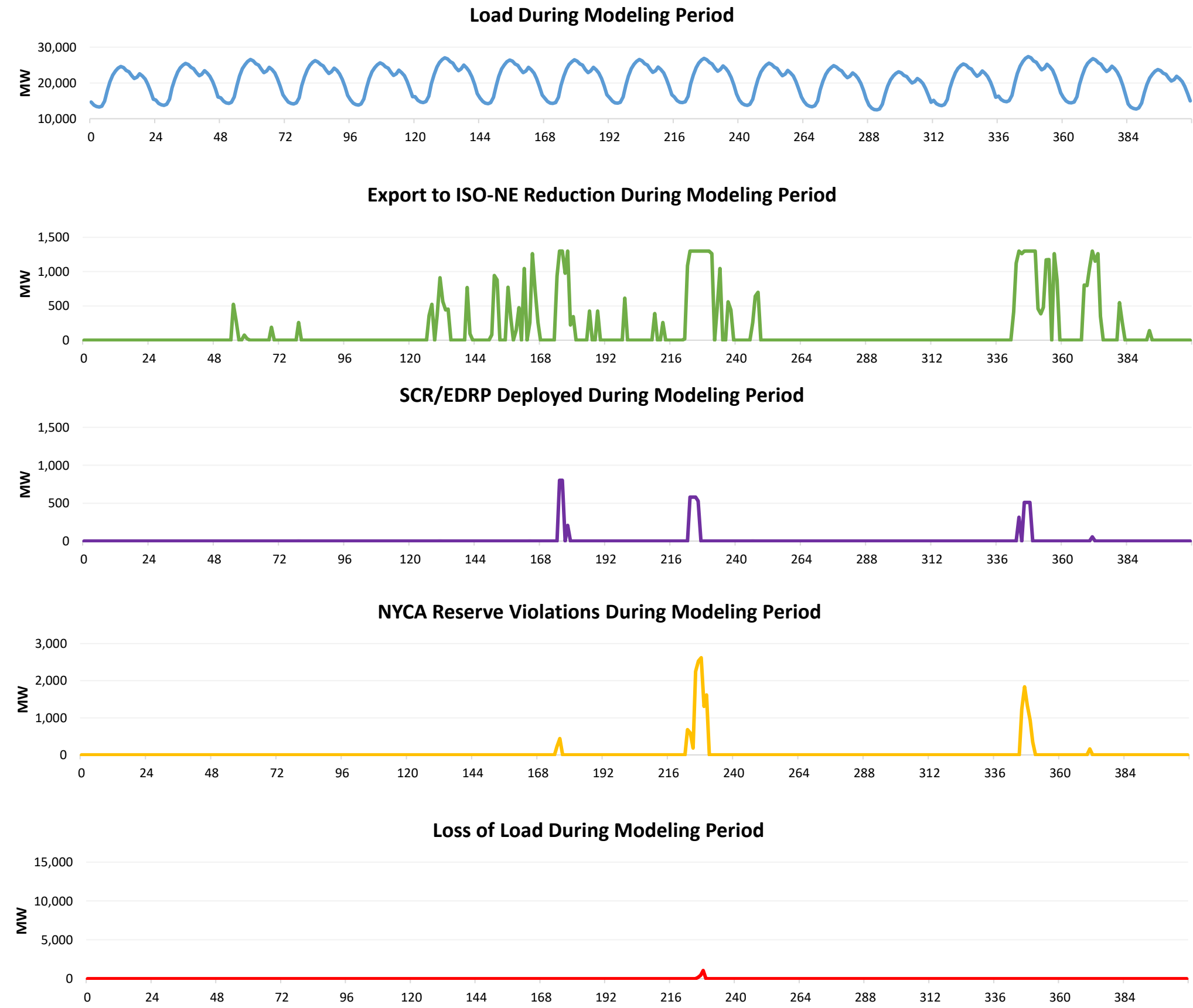


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 2 High Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 83     |
| Total MWh         | 62,422 |
| Avg. MW           | 153.0  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 5,976 |
| Avg. MW        | 14.6  |

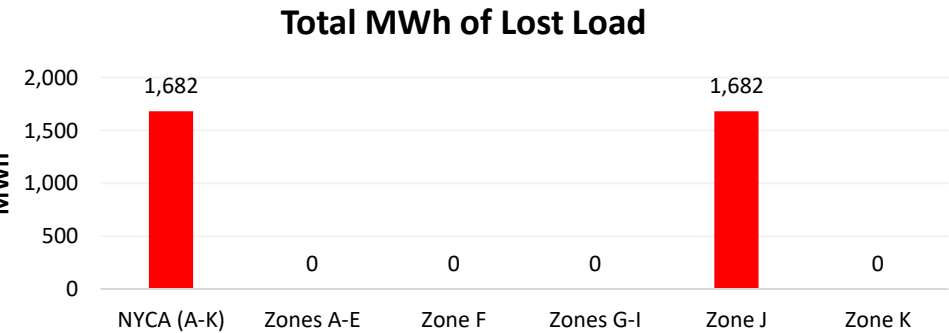
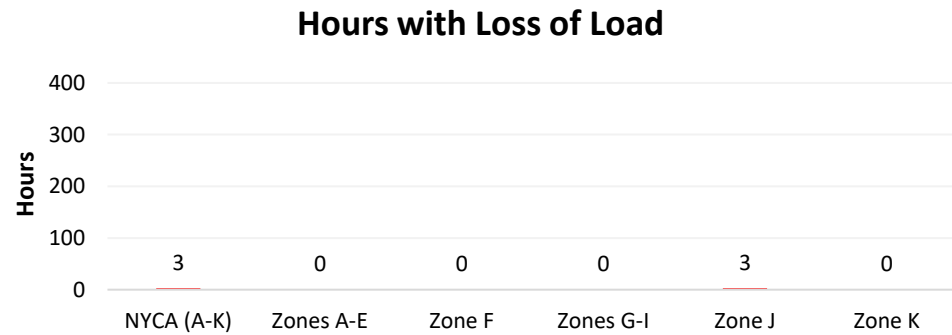
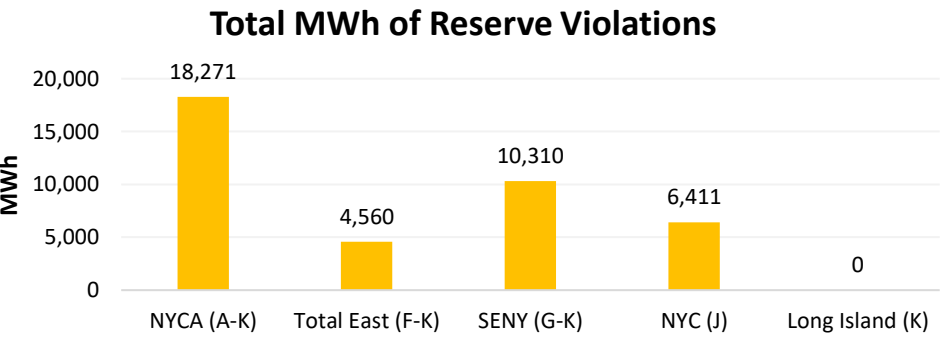
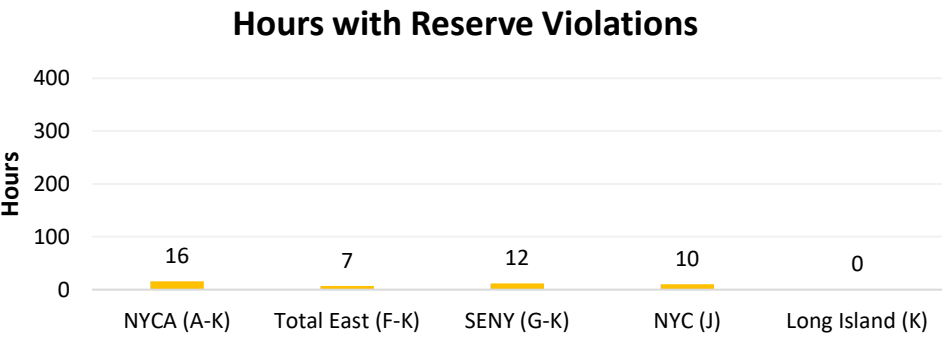
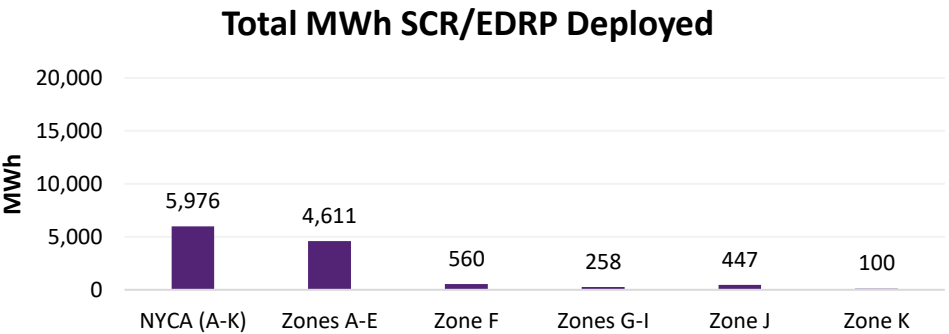
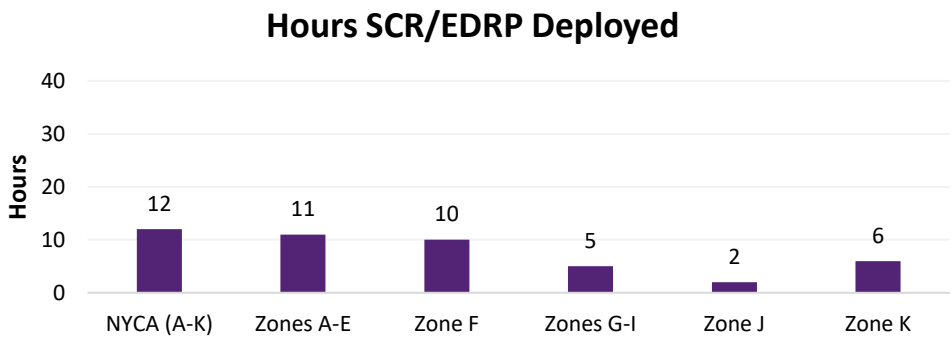
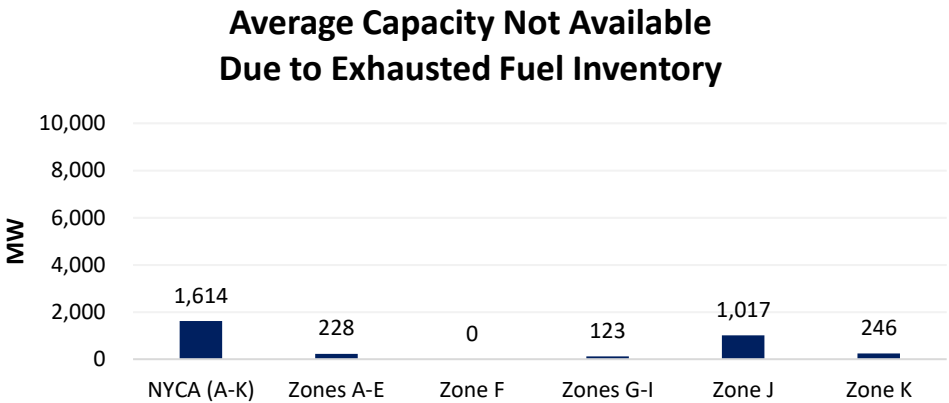
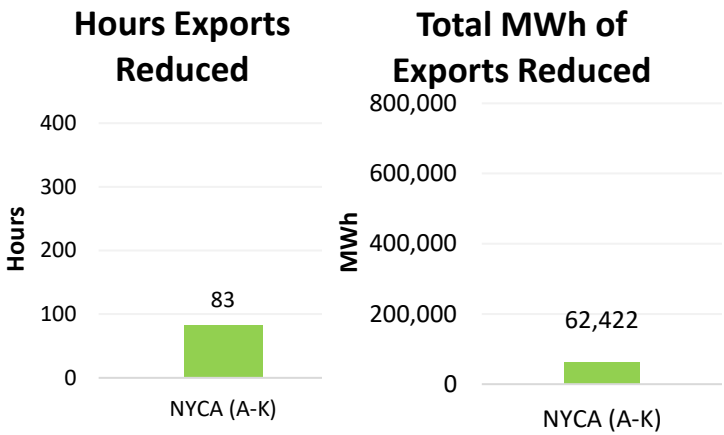
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 16     |
| Total MWh             | 18,271 |
| Avg. MW               | 44.8   |
| First Hour with Viol. | 175    |

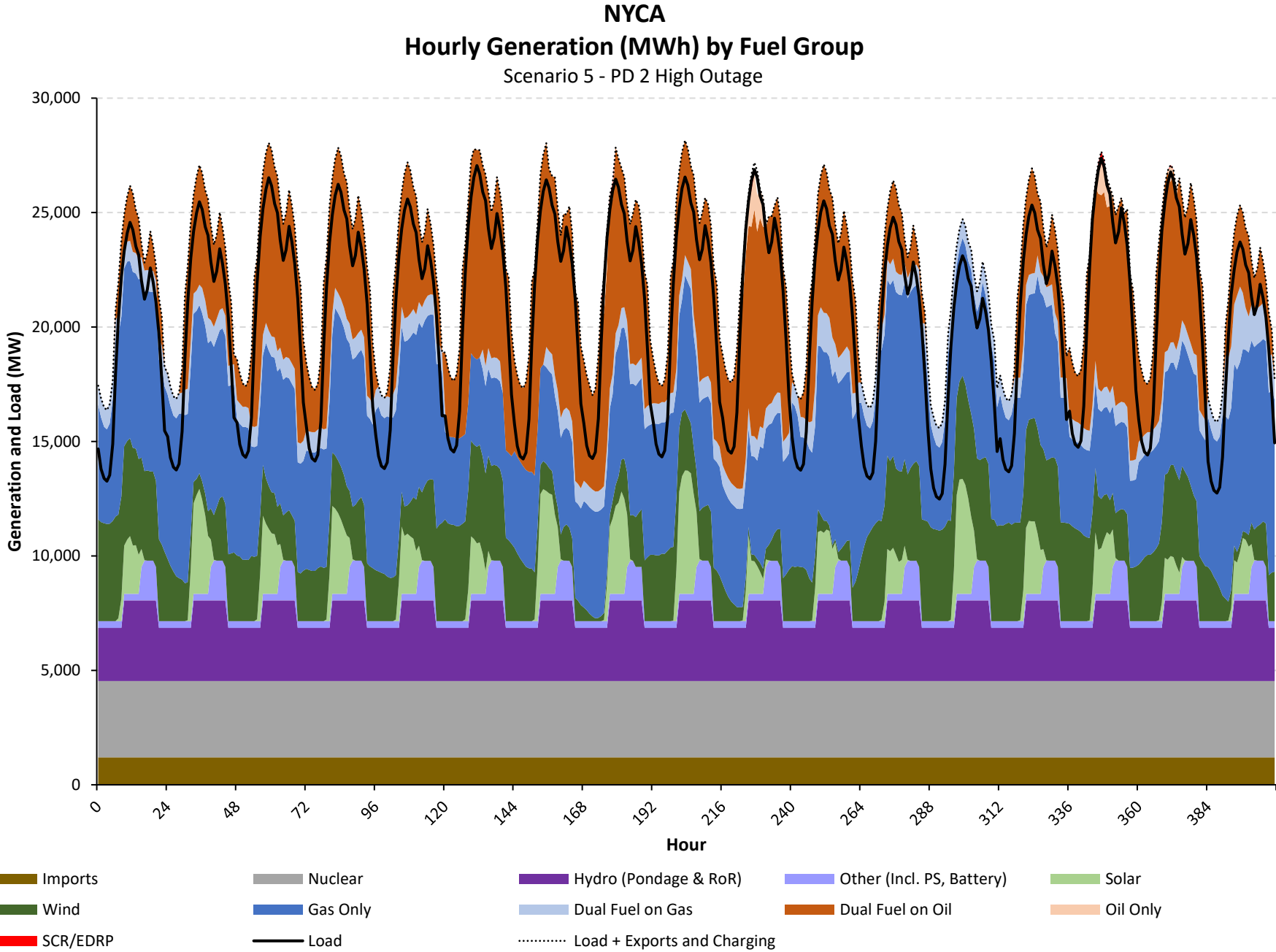
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 3     |
| Total MWh              | 1,682 |
| Avg. MW                | 4.1   |
| First Hour with Losses | 226   |

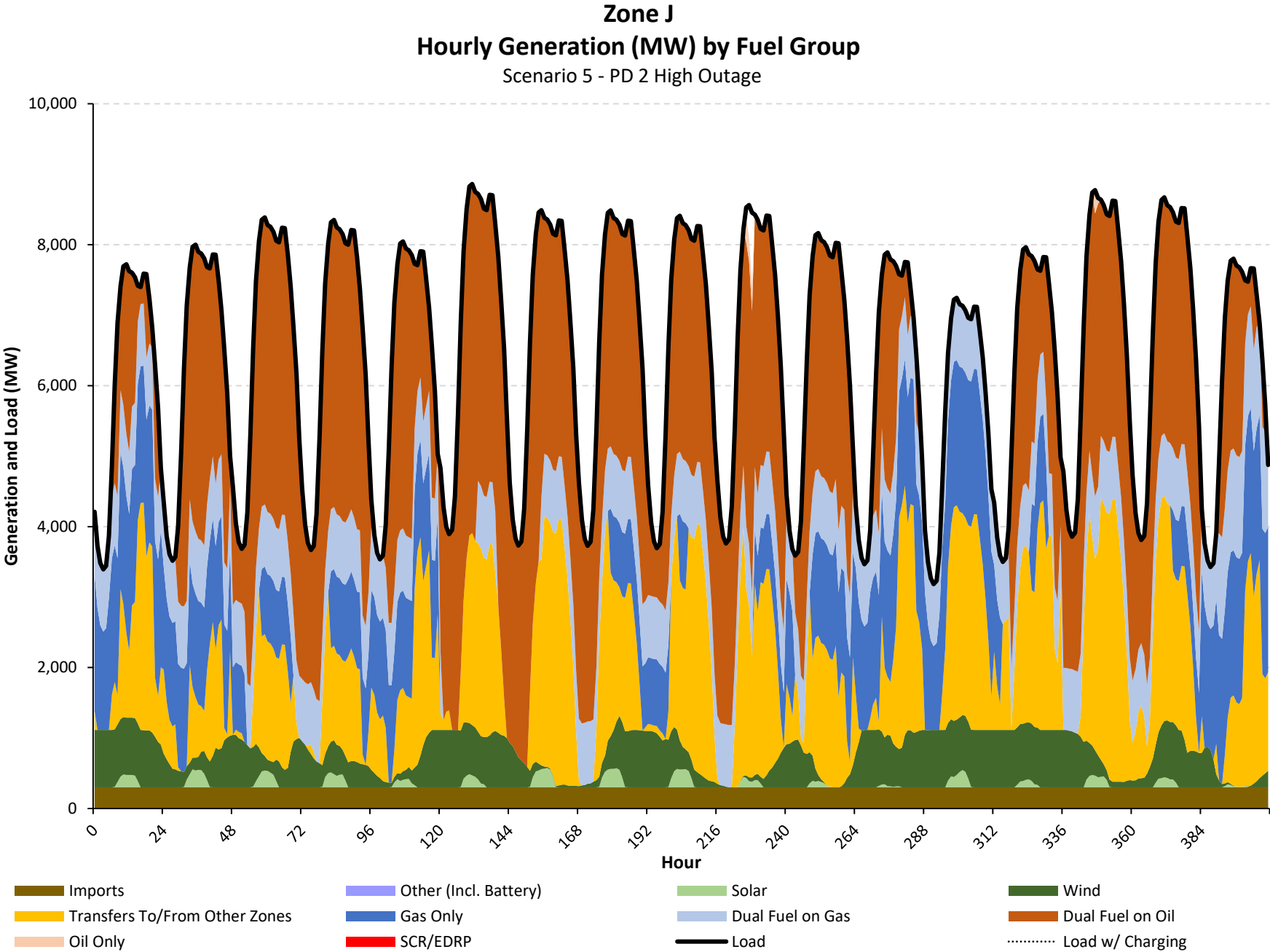
Full Period Results Summary

Case Name: Scenario 5 - PD 2 High Outage

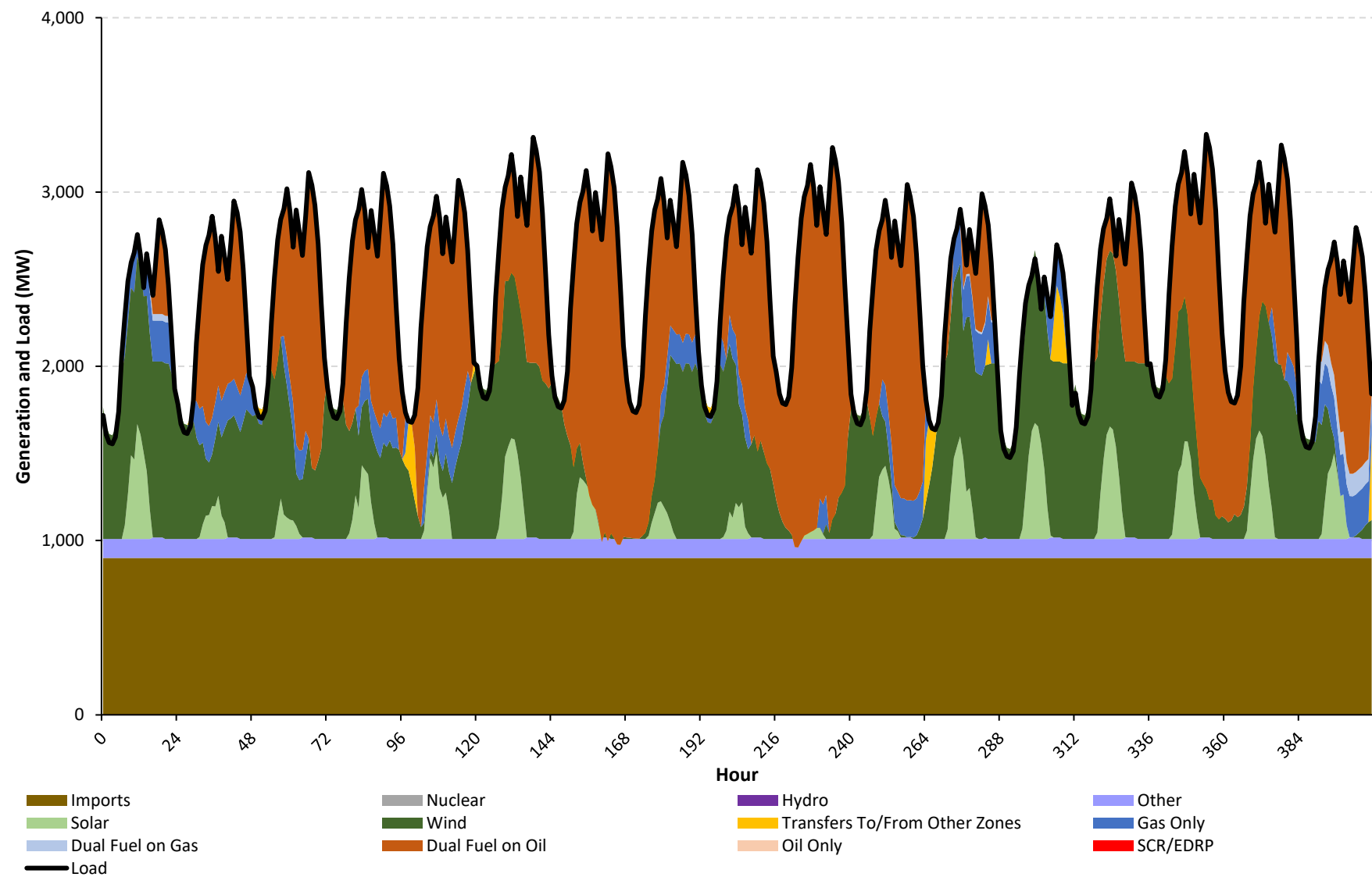
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

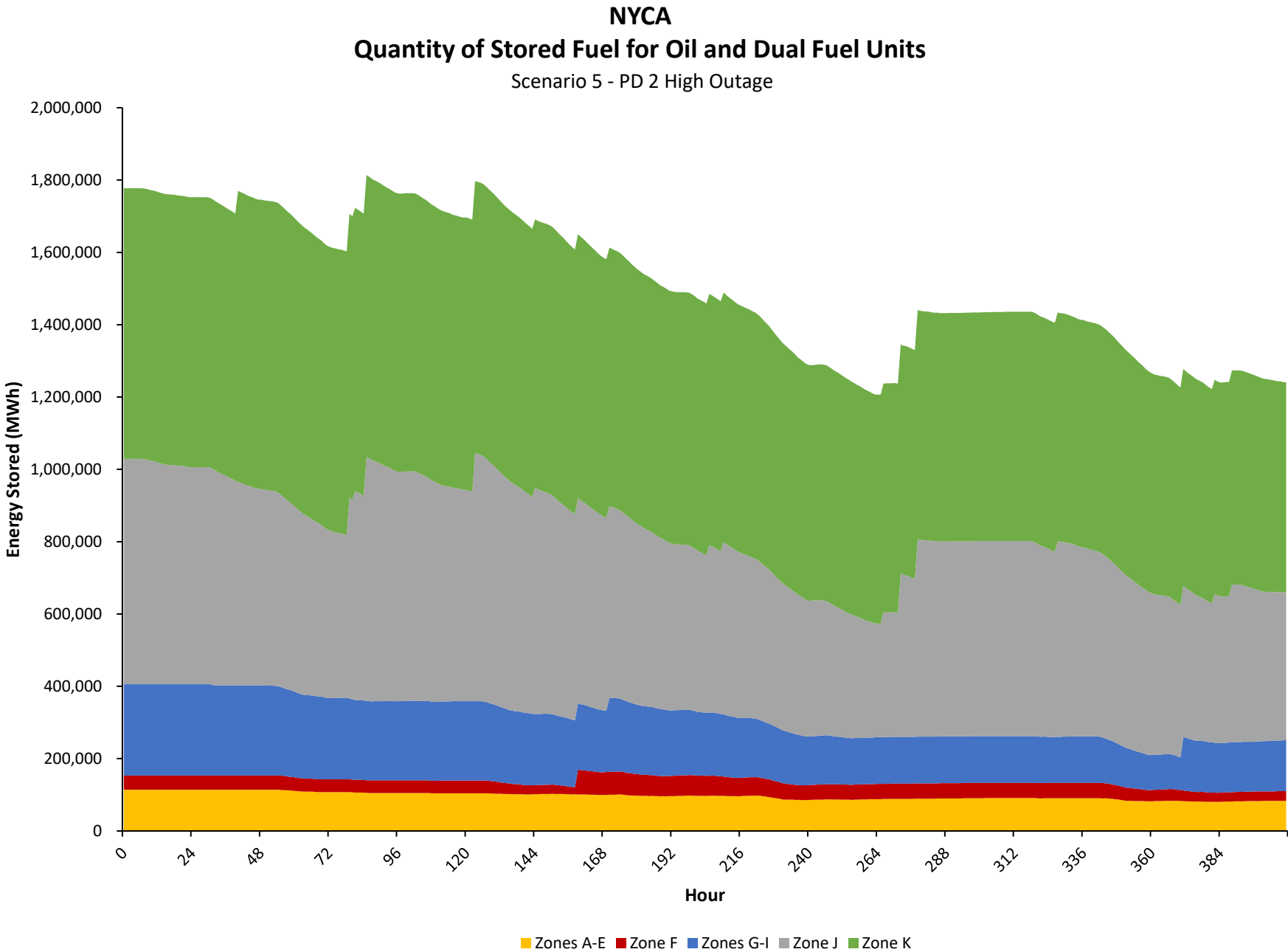


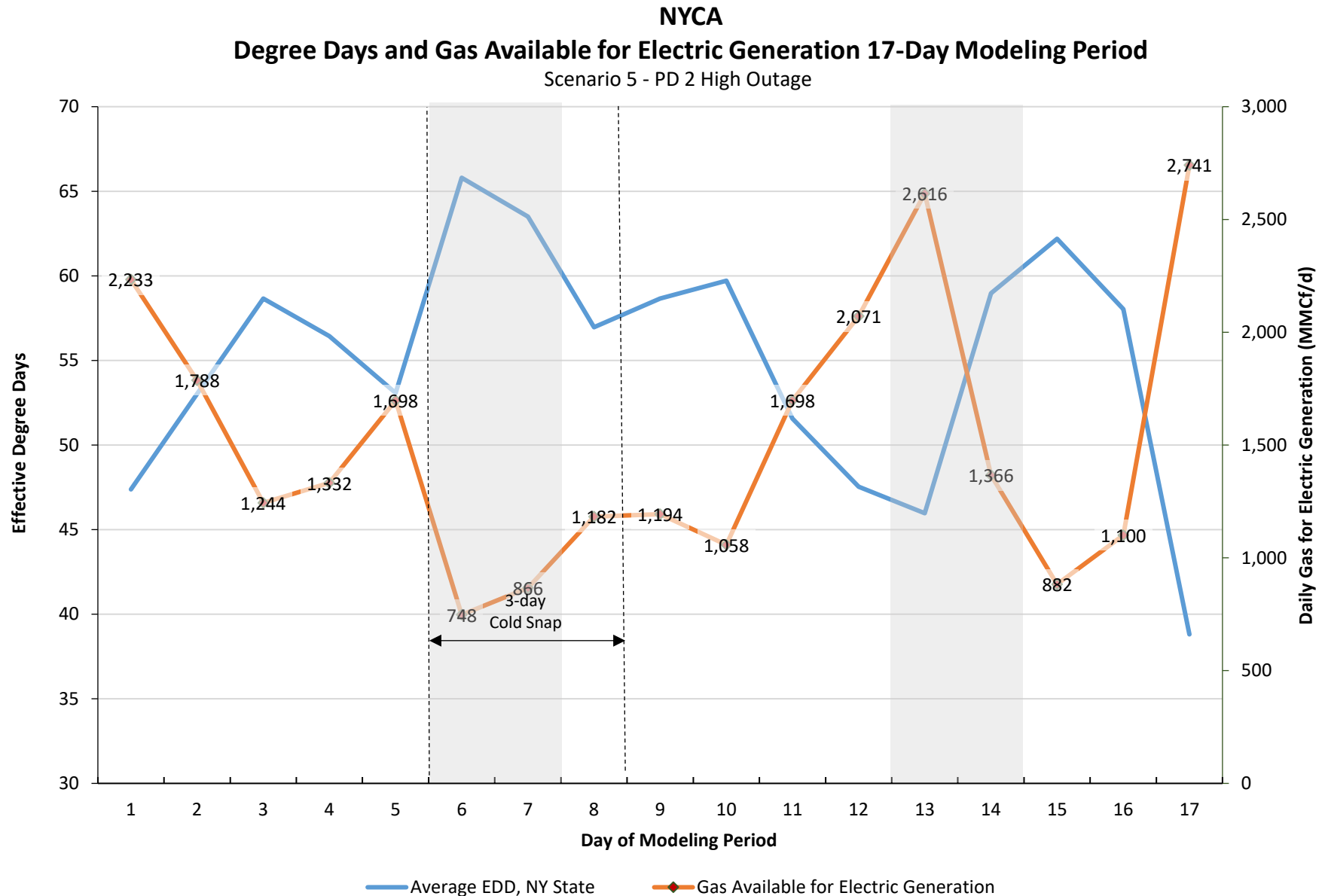




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 2 High Outage





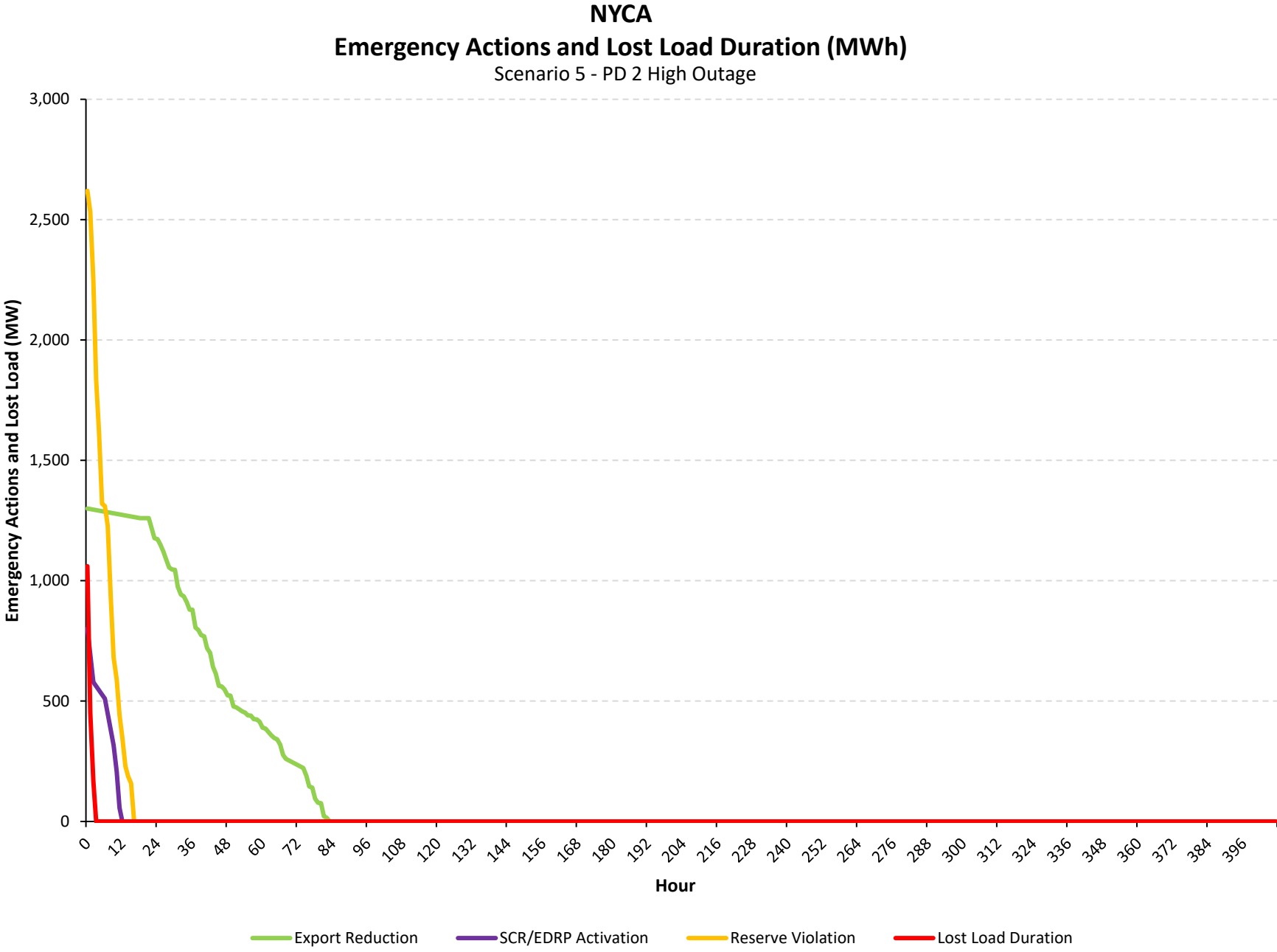


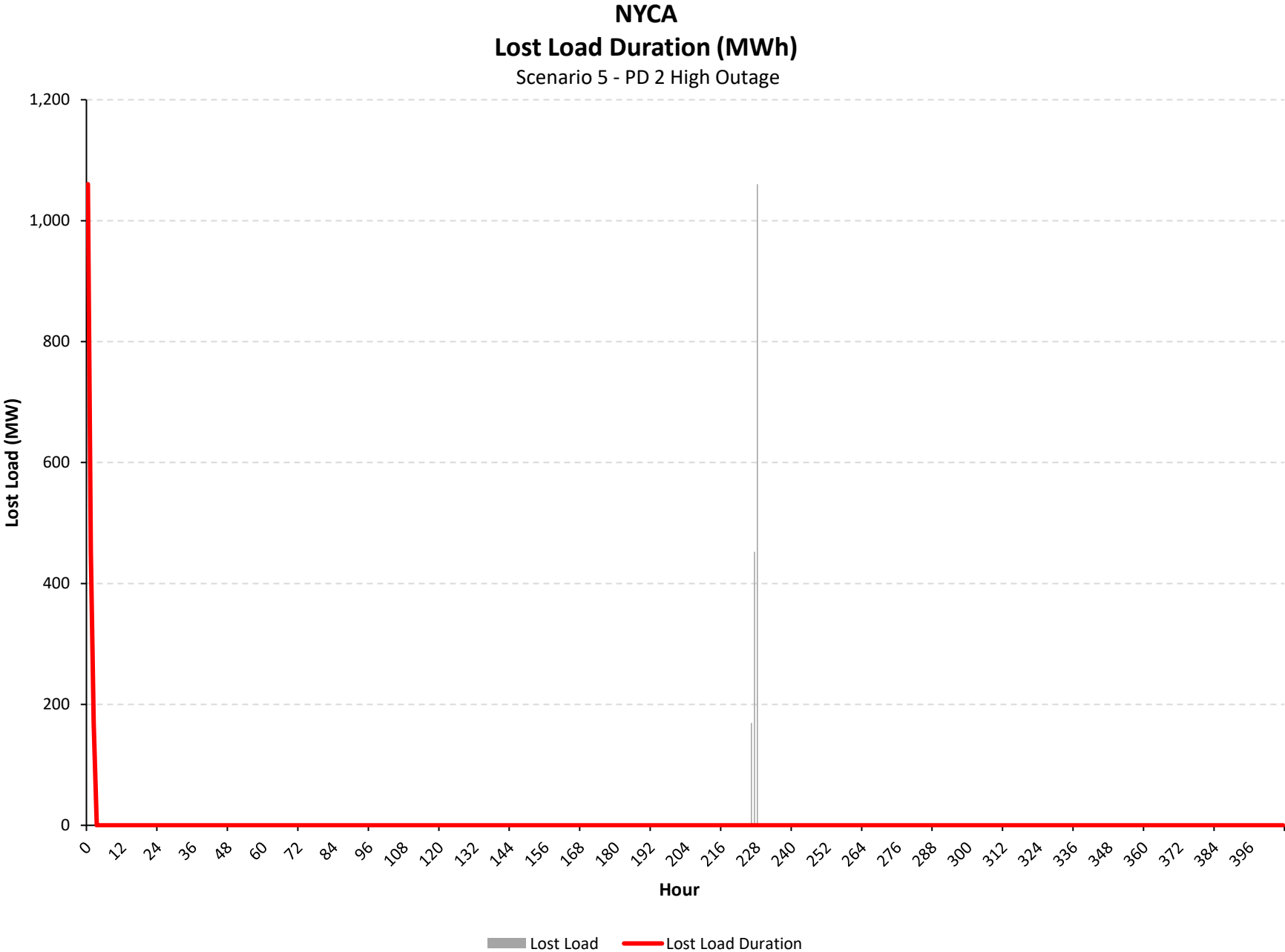
**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.





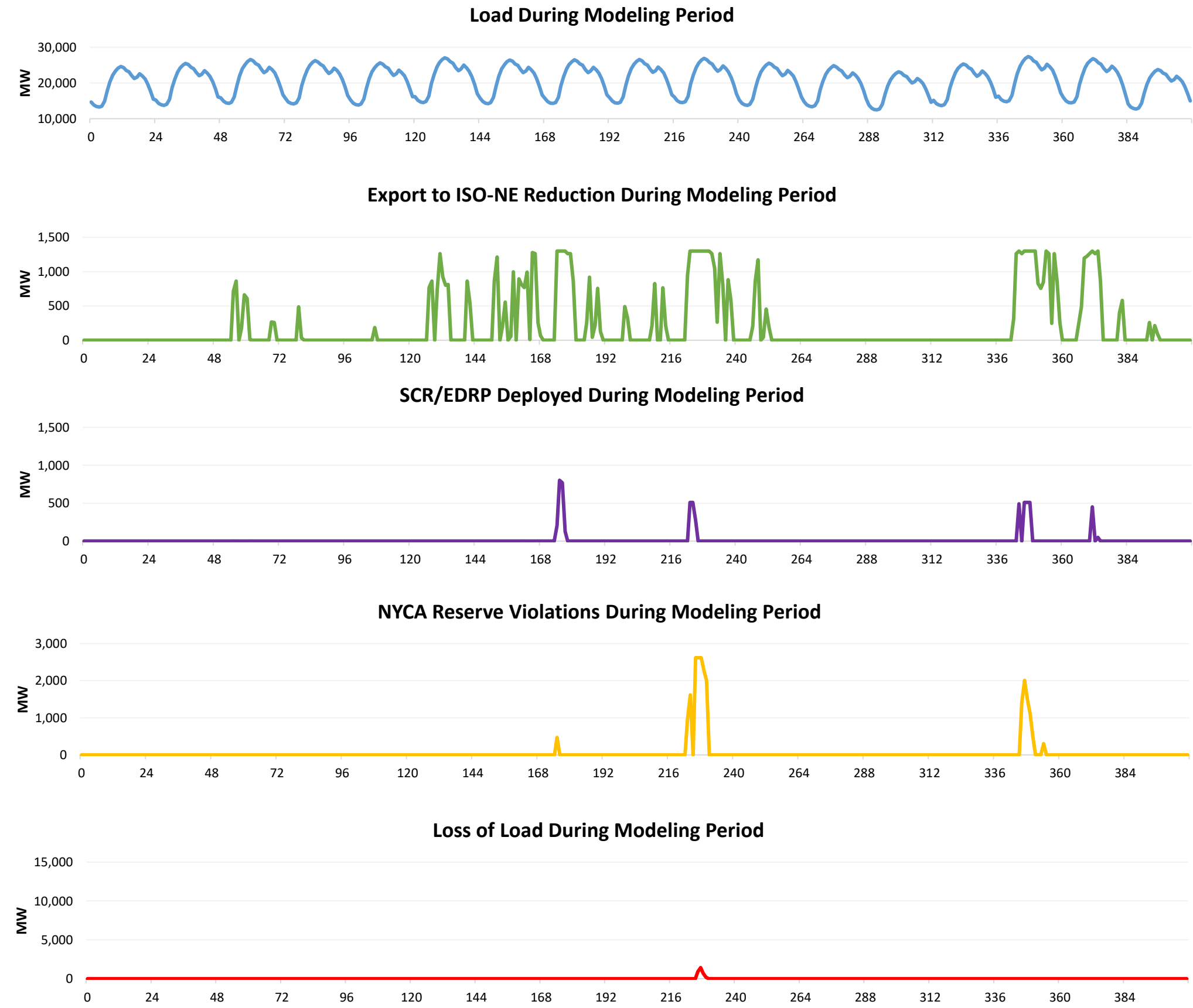


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 3 SENY Deactivation



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 108    |
| Total MWh         | 85,119 |
| Avg. MW           | 208.6  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 13    |
| Total MWh      | 5,715 |
| Avg. MW        | 14.0  |

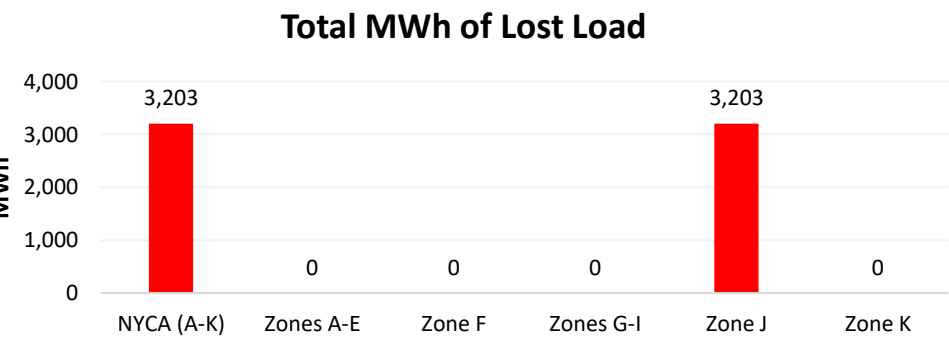
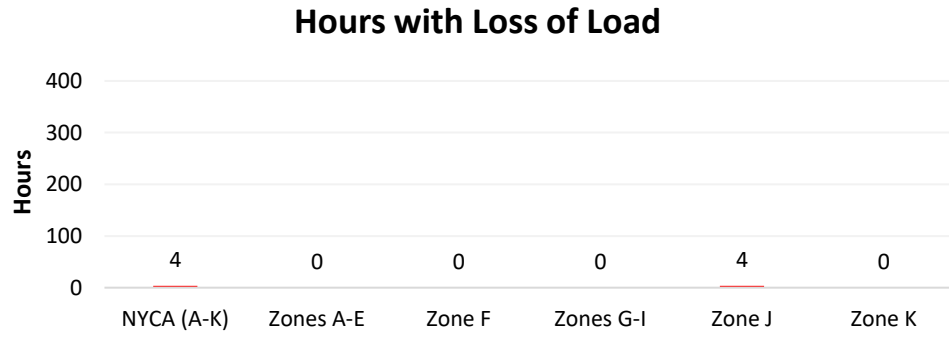
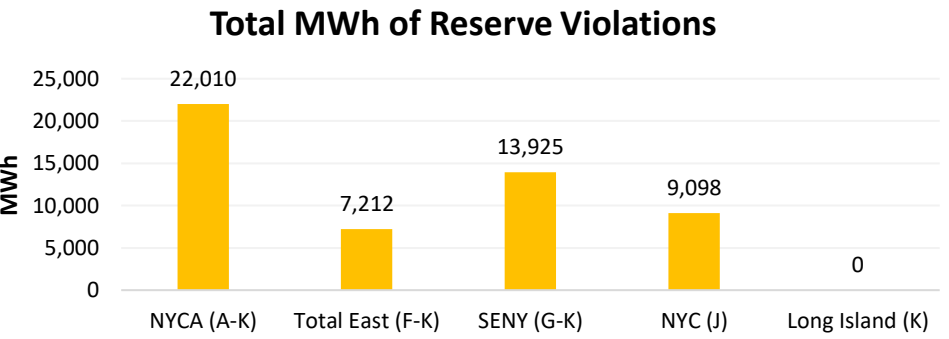
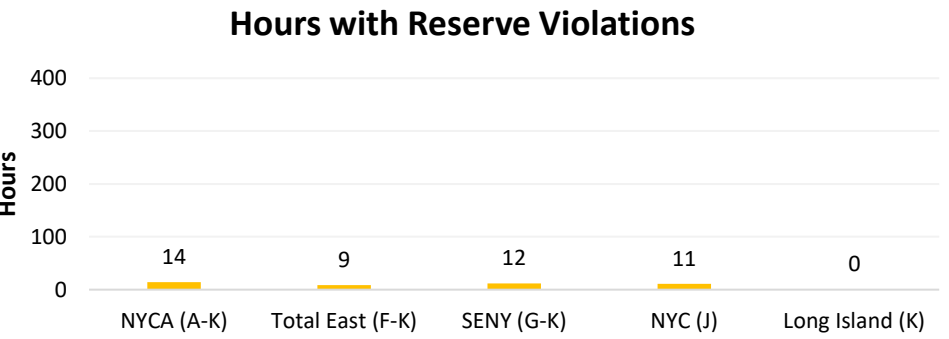
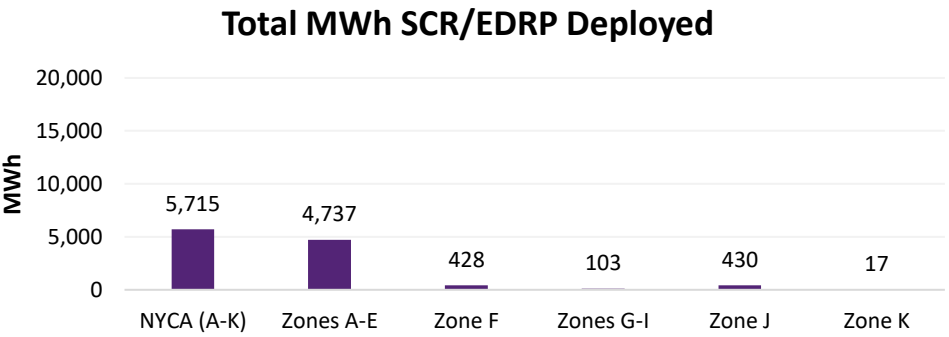
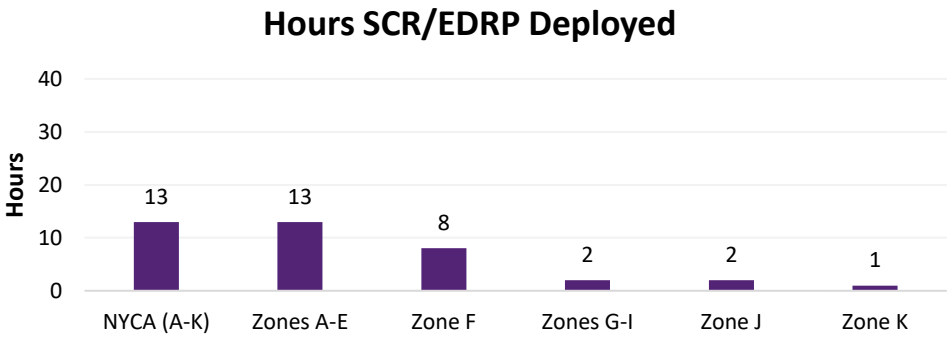
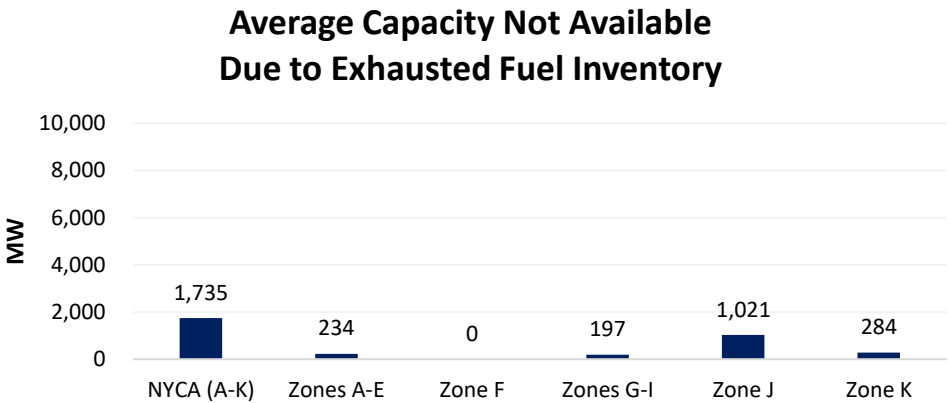
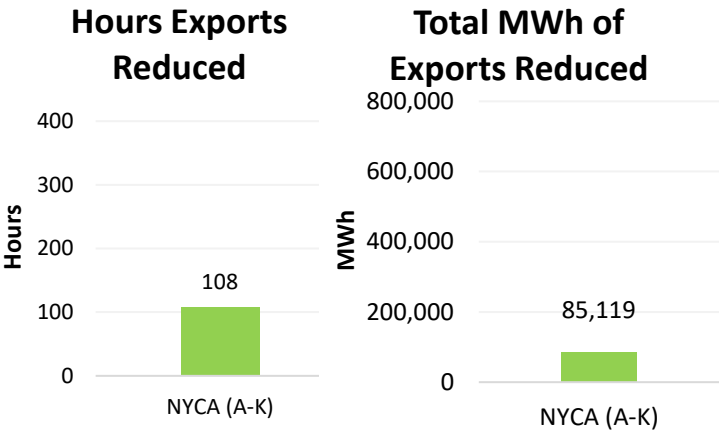
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 14     |
| Total MWh             | 22,010 |
| Avg. MW               | 53.9   |
| First Hour with Viol. | 175    |

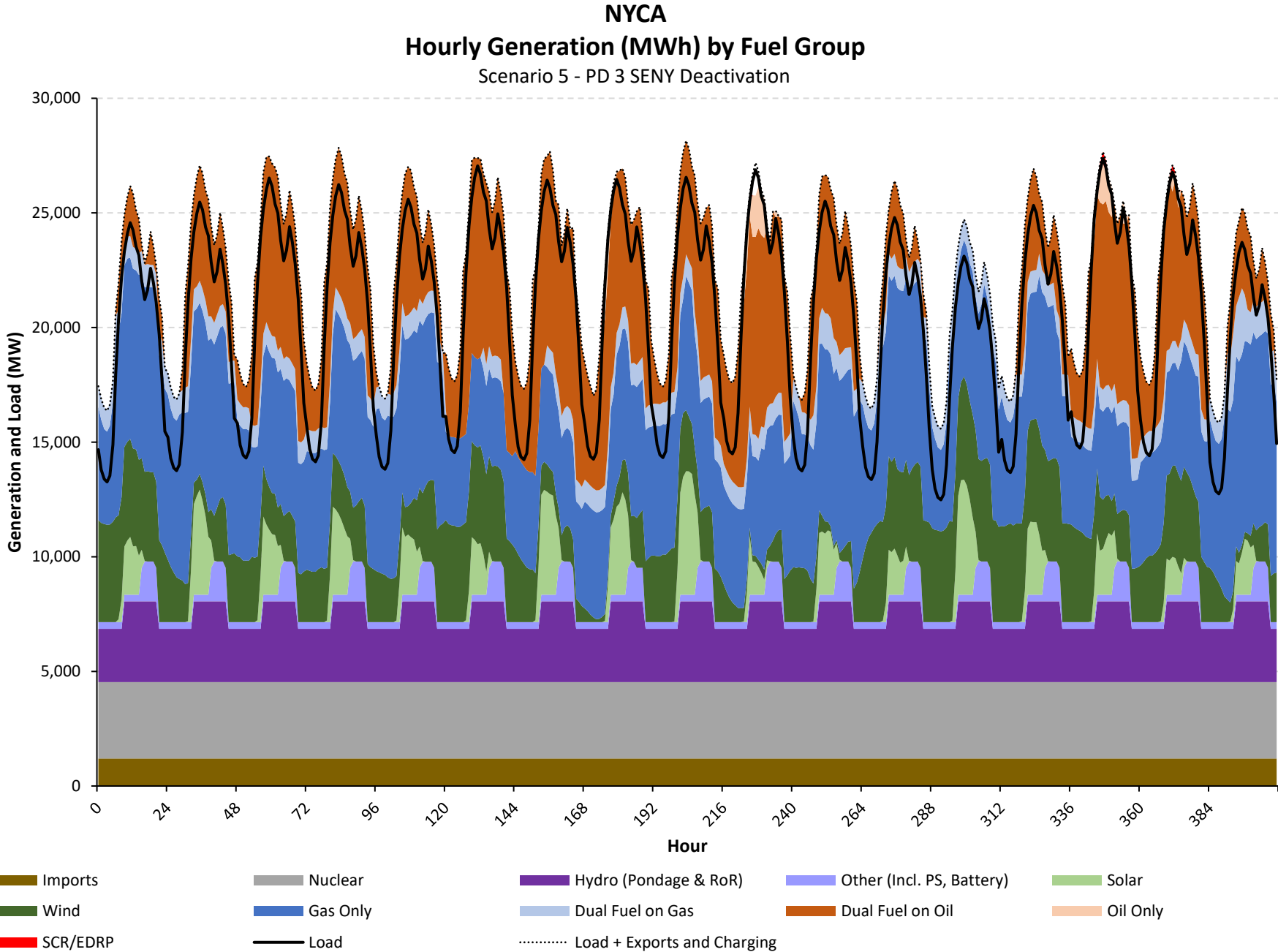
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 4     |
| Total MWh              | 3,203 |
| Avg. MW                | 7.9   |
| First Hour with Losses | 226   |

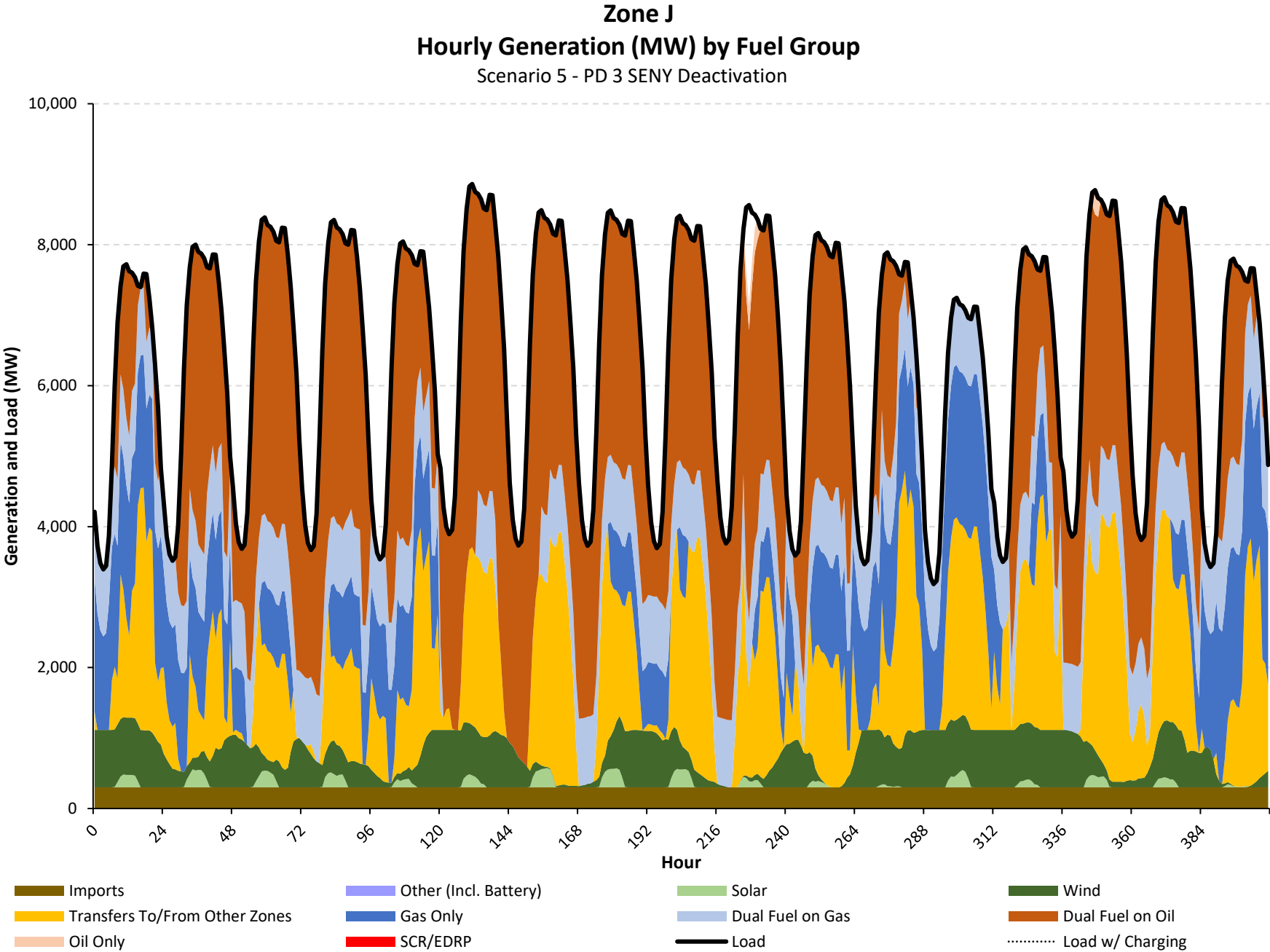
Full Period Results Summary

Case Name: Scenario 5 - PD 3 SENY Deactivation

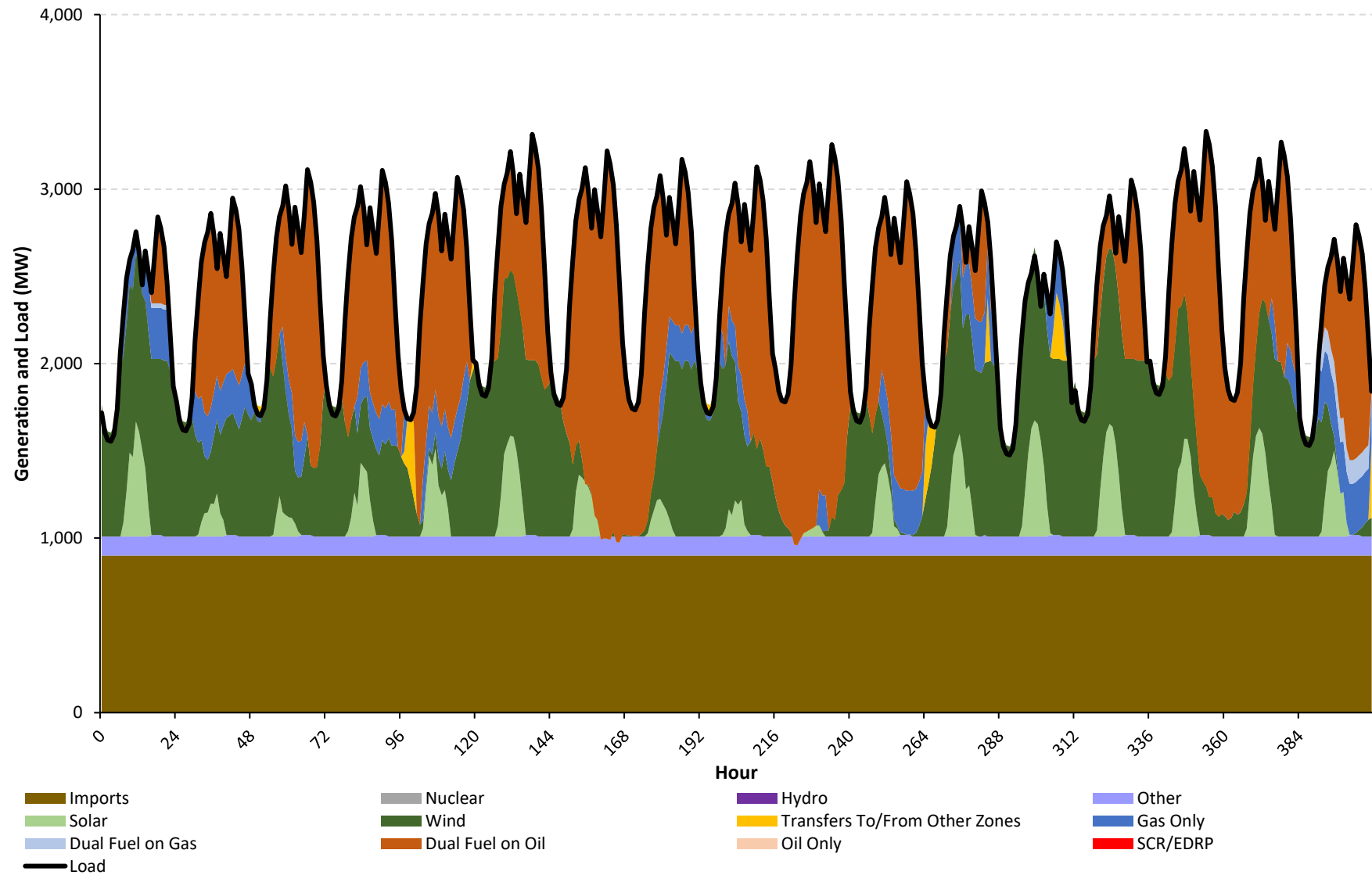
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | All        |



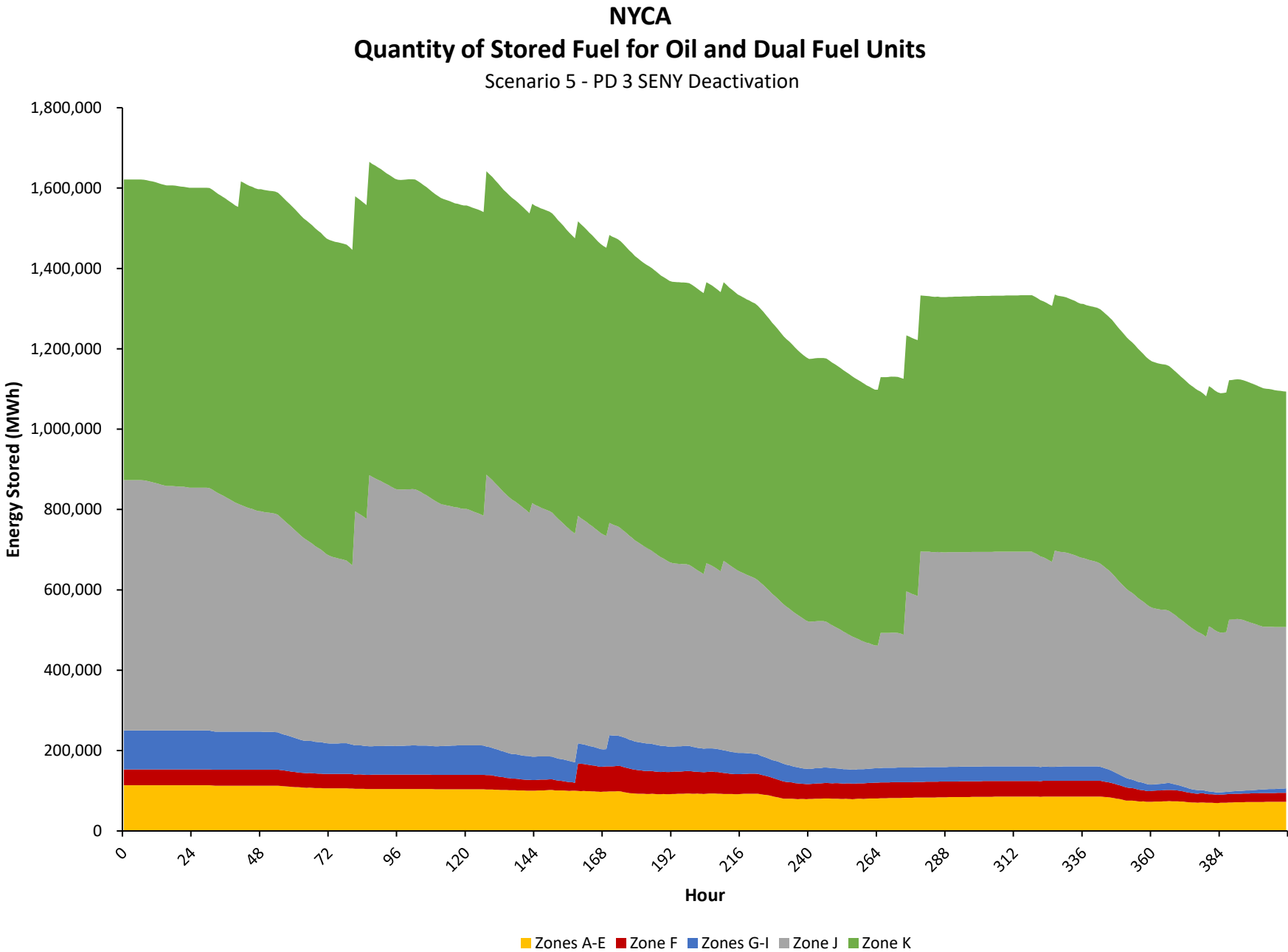


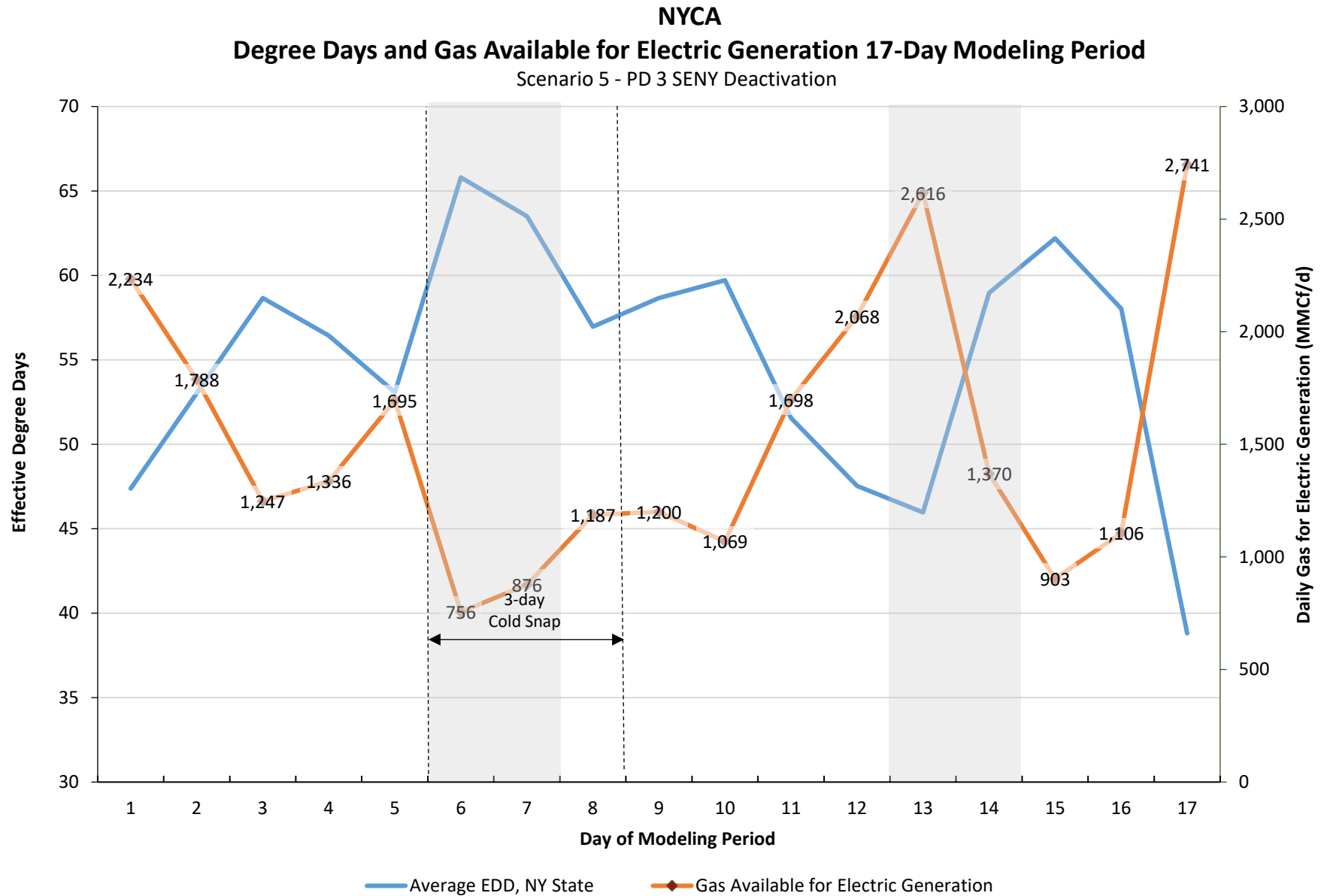


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 3 SENY Deactivation



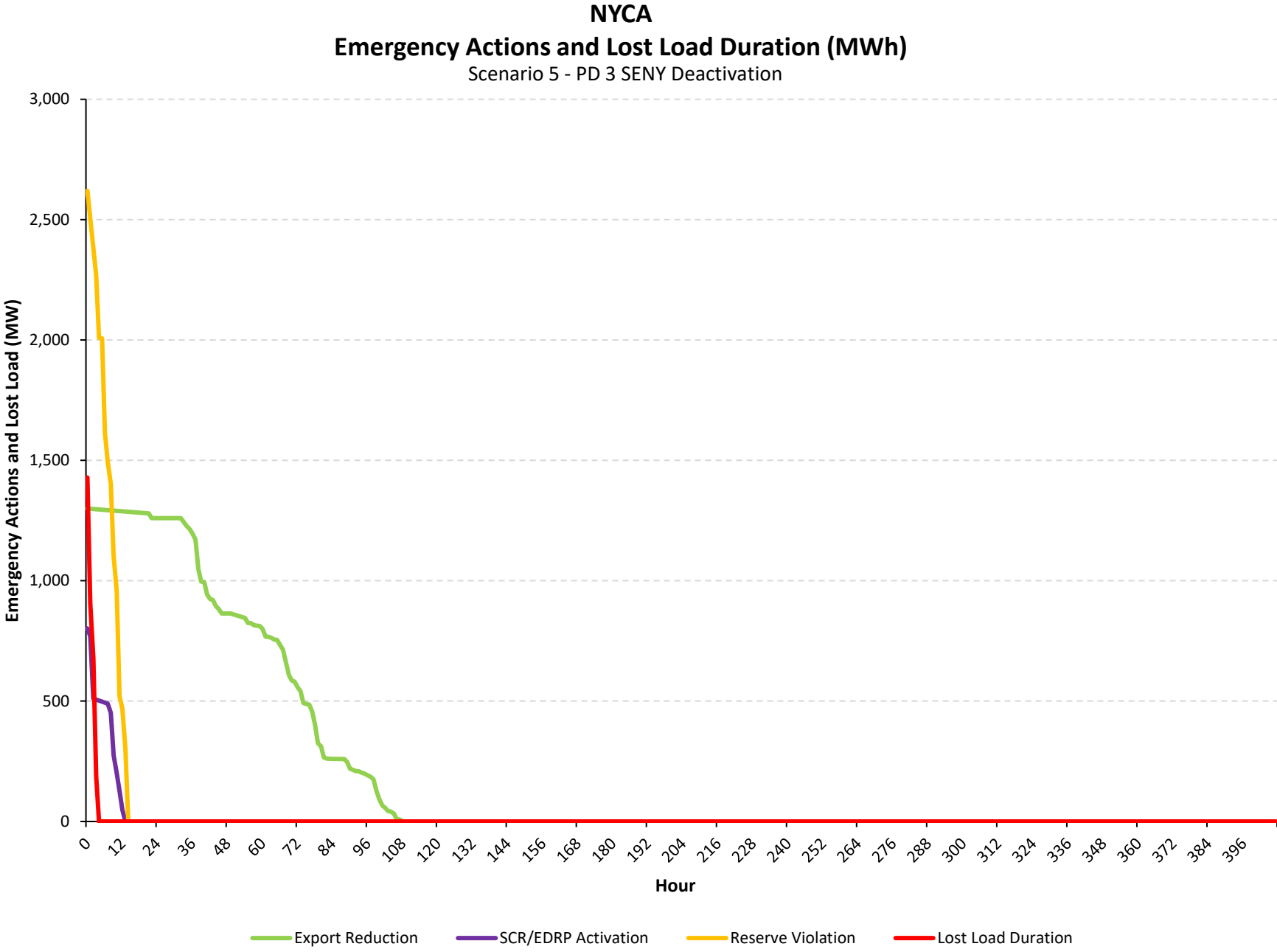


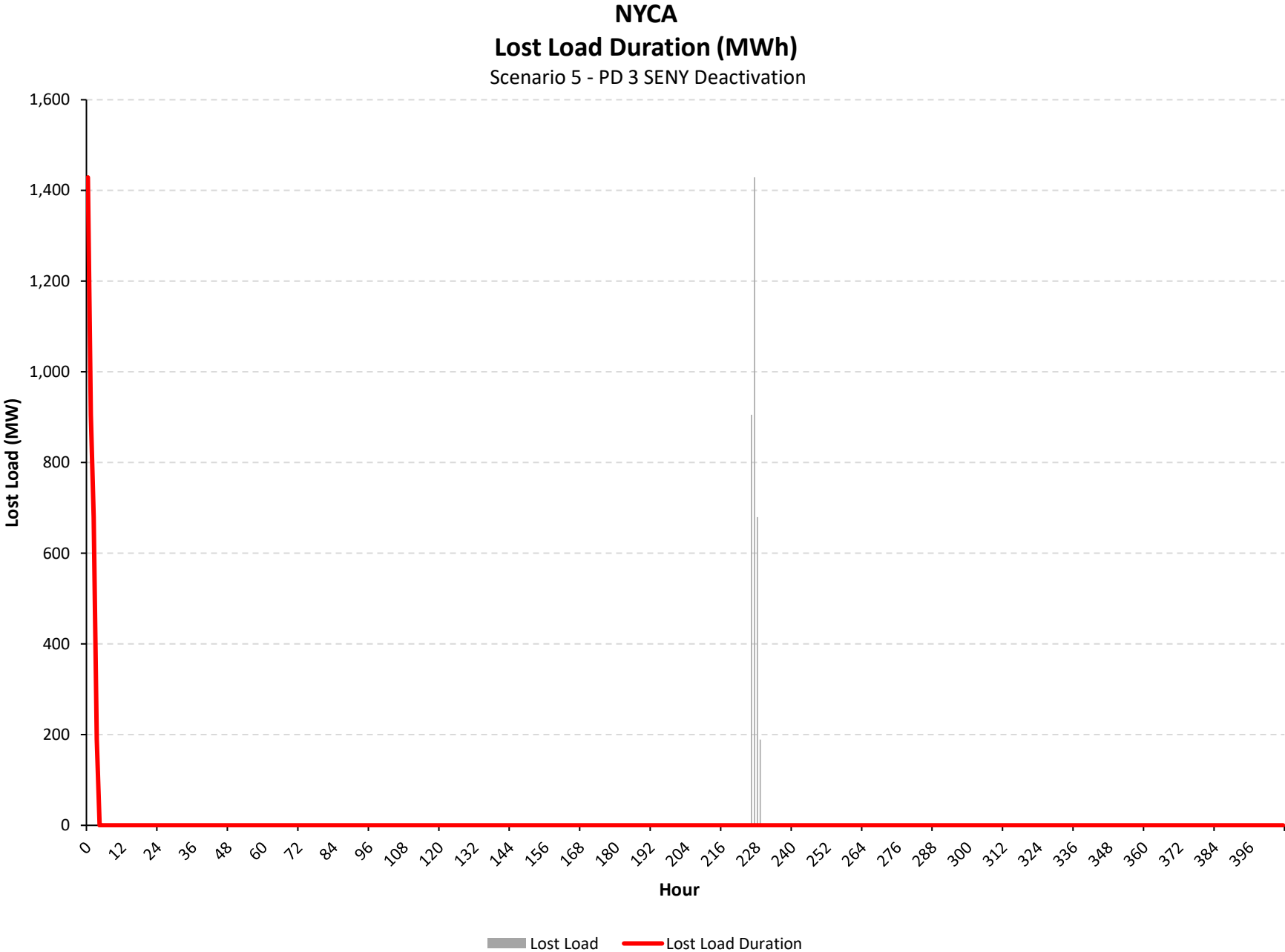




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



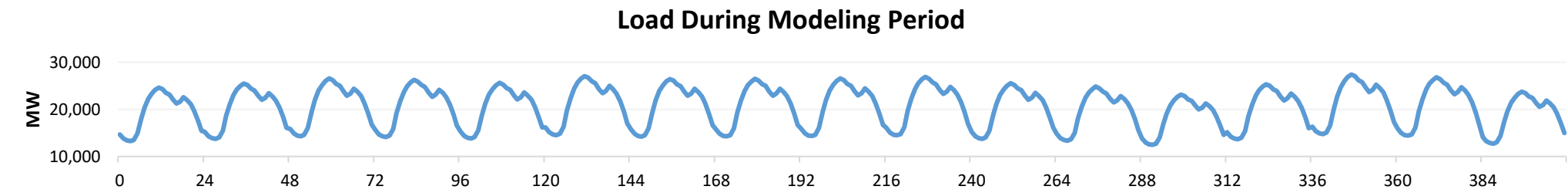


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

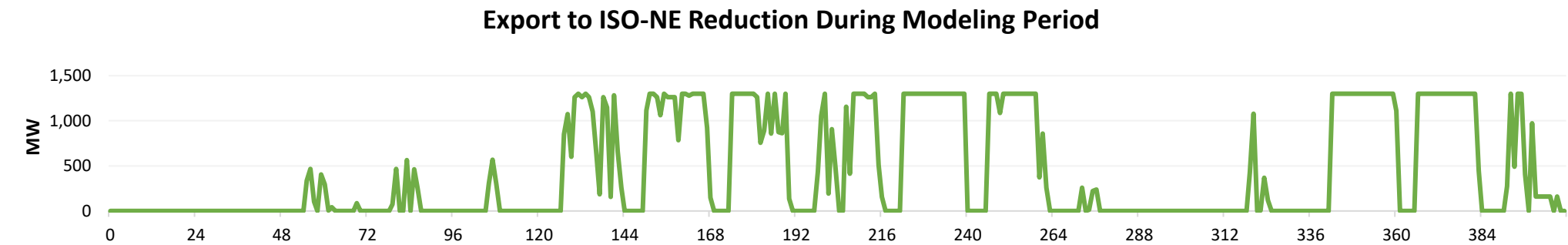
### **Case: Scenario 5 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

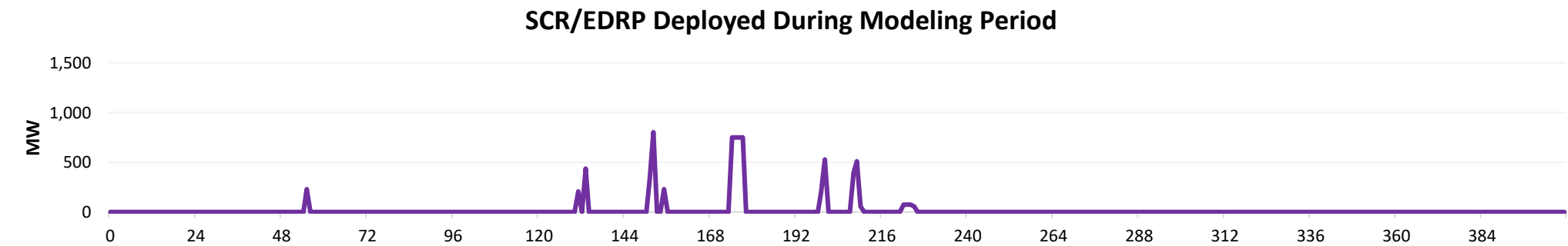
Case Name: Scenario 5 - PD 4 Nuclear Station Outage



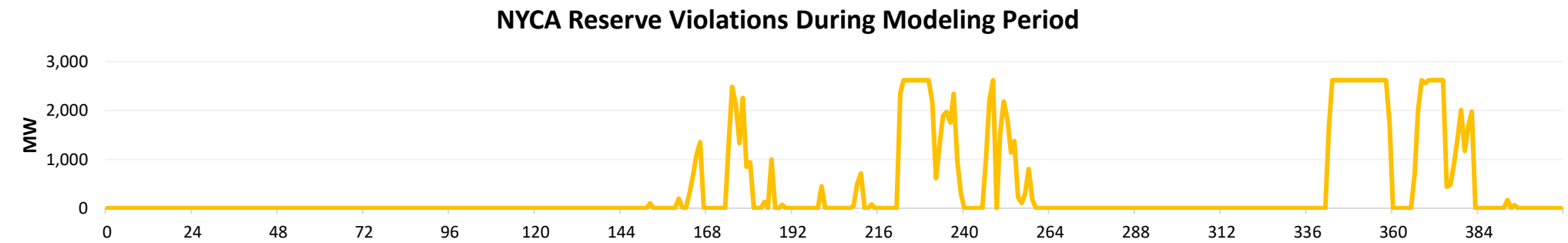
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



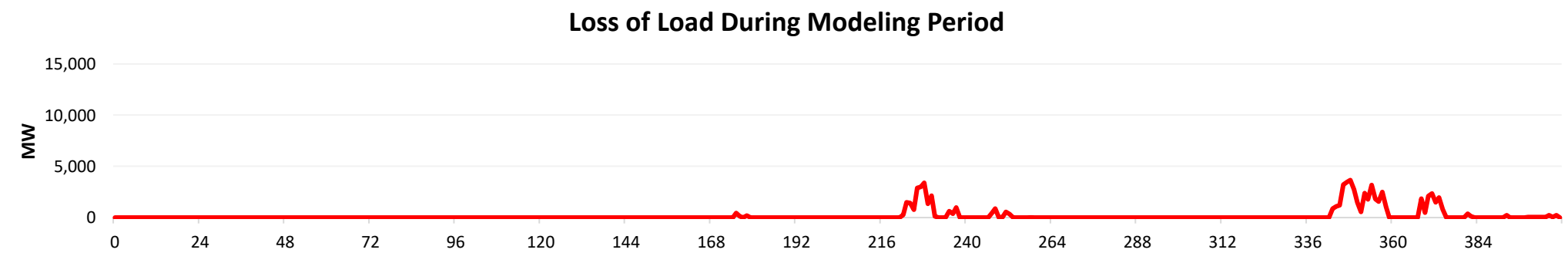
| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 180     |
| Total MWh         | 176,315 |
| Avg. MW           | 432.1   |



| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 19    |
| Total MWh      | 7,190 |
| Avg. MW        | 17.6  |



| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 90      |
| Total MWh             | 146,650 |
| Avg. MW               | 359.4   |
| First Hour with Viol. | 152     |

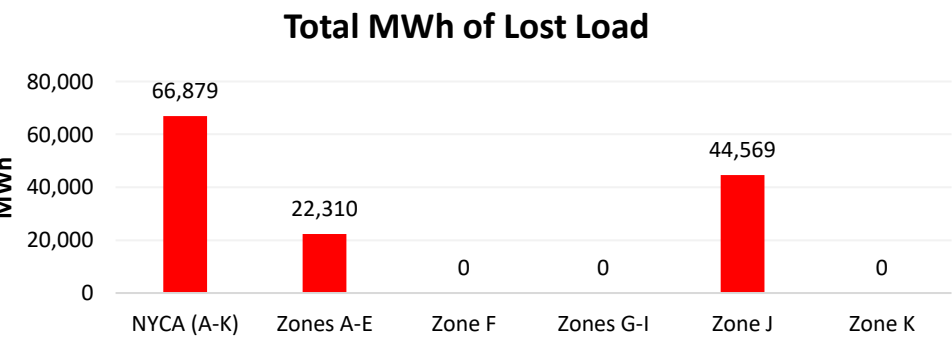
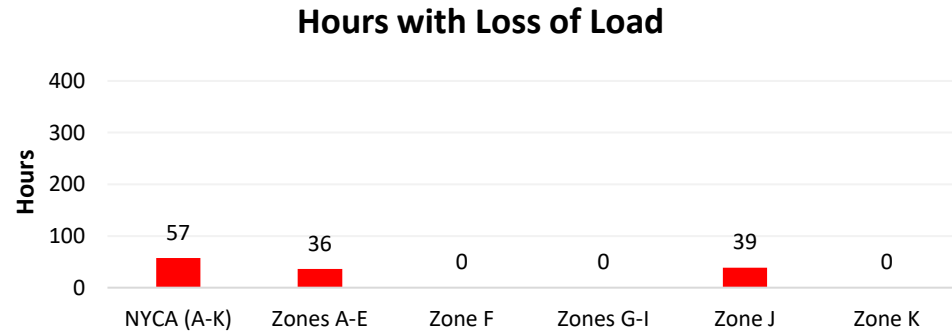
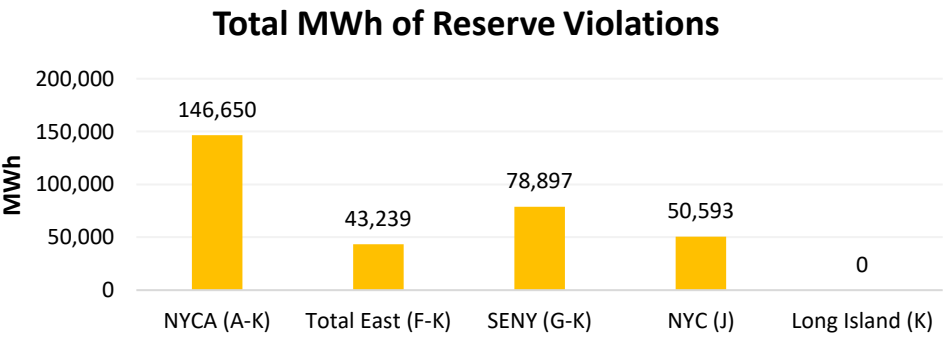
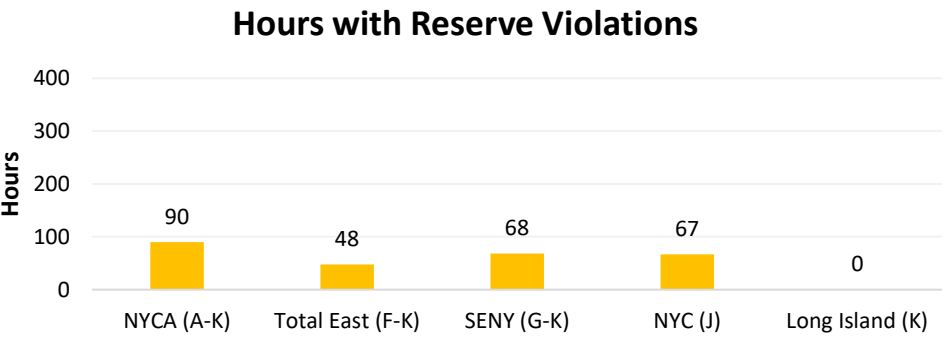
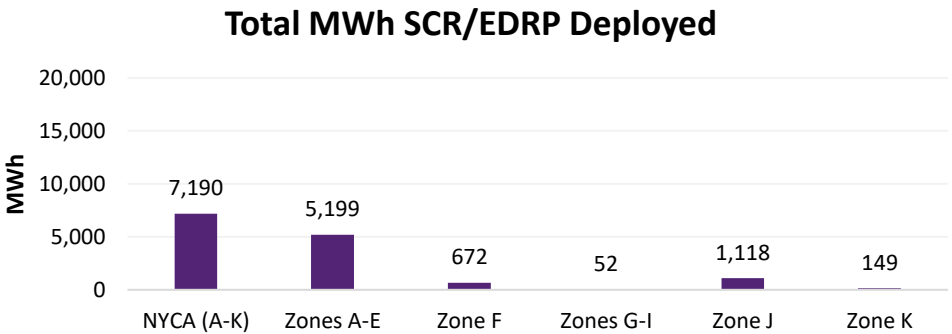
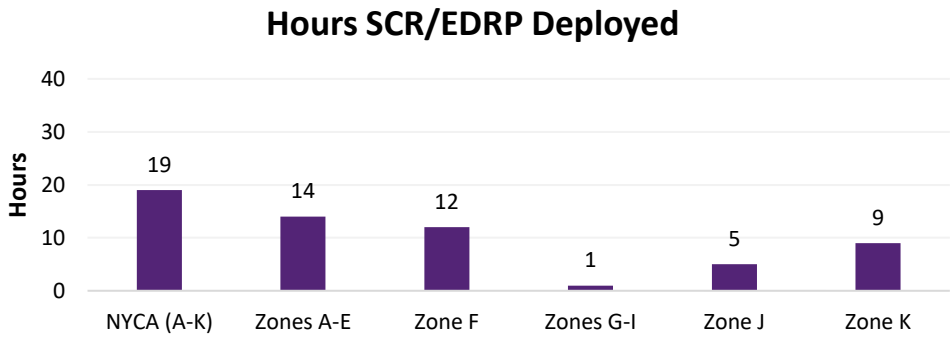
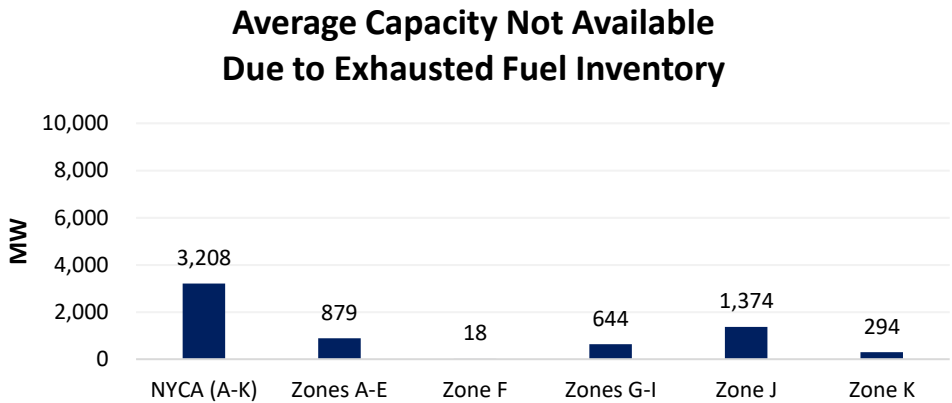
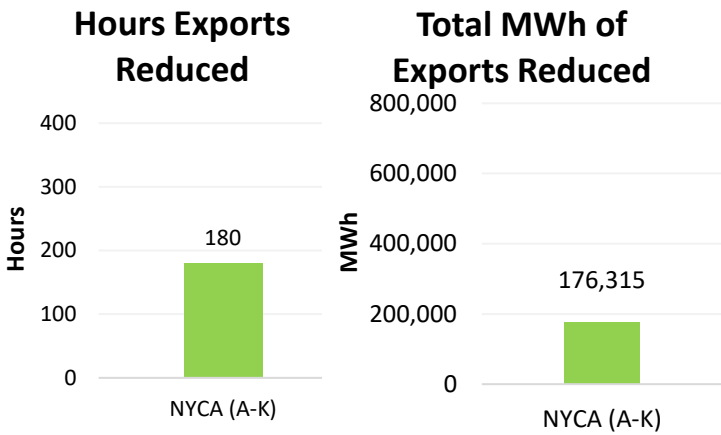


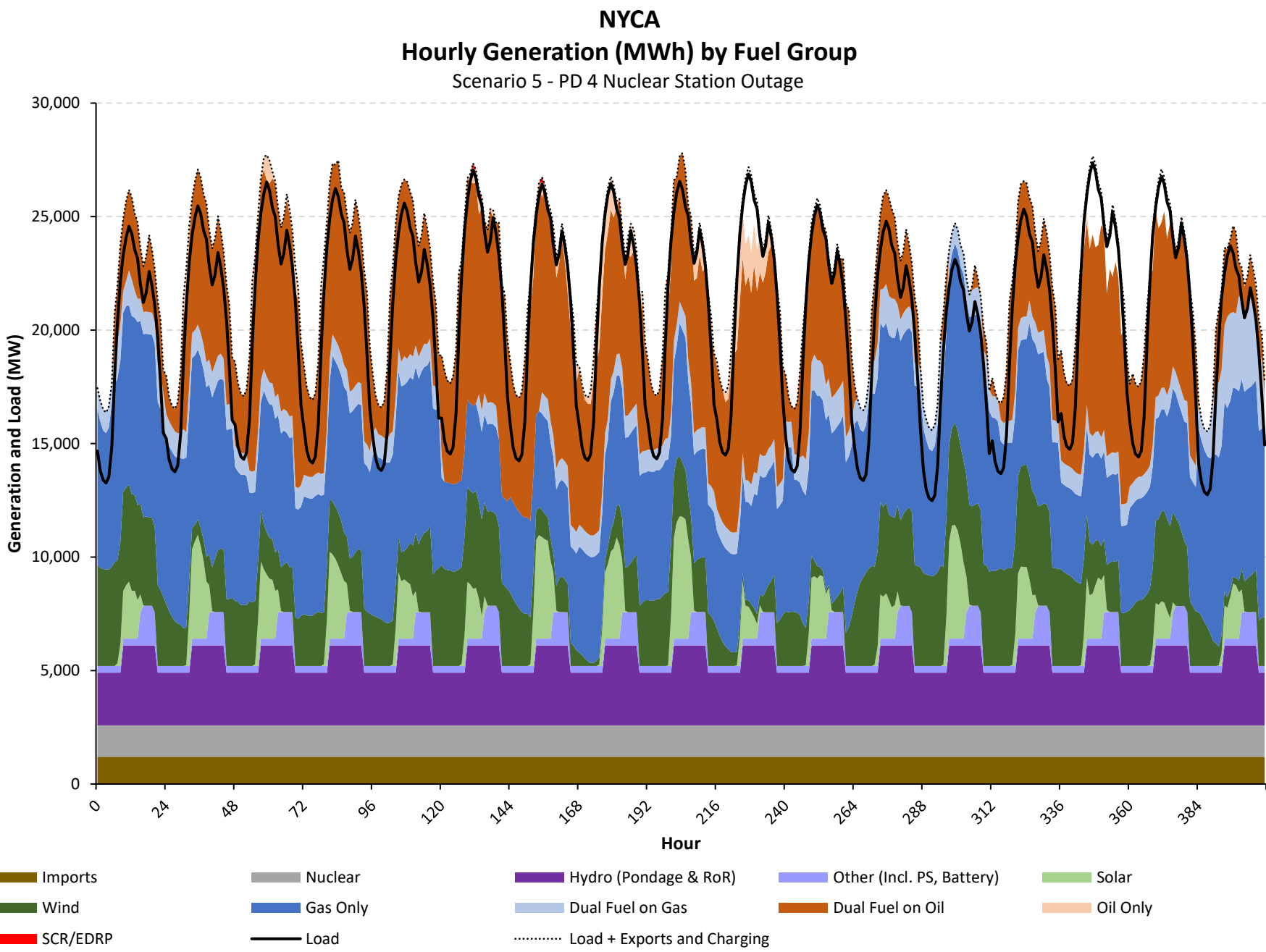
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 57     |
| Total MWh              | 66,879 |
| Avg. MW                | 163.9  |
| First Hour with Losses | 175    |

Full Period Results Summary

Case Name: Scenario 5 - PD 4 Nuclear Station Outage

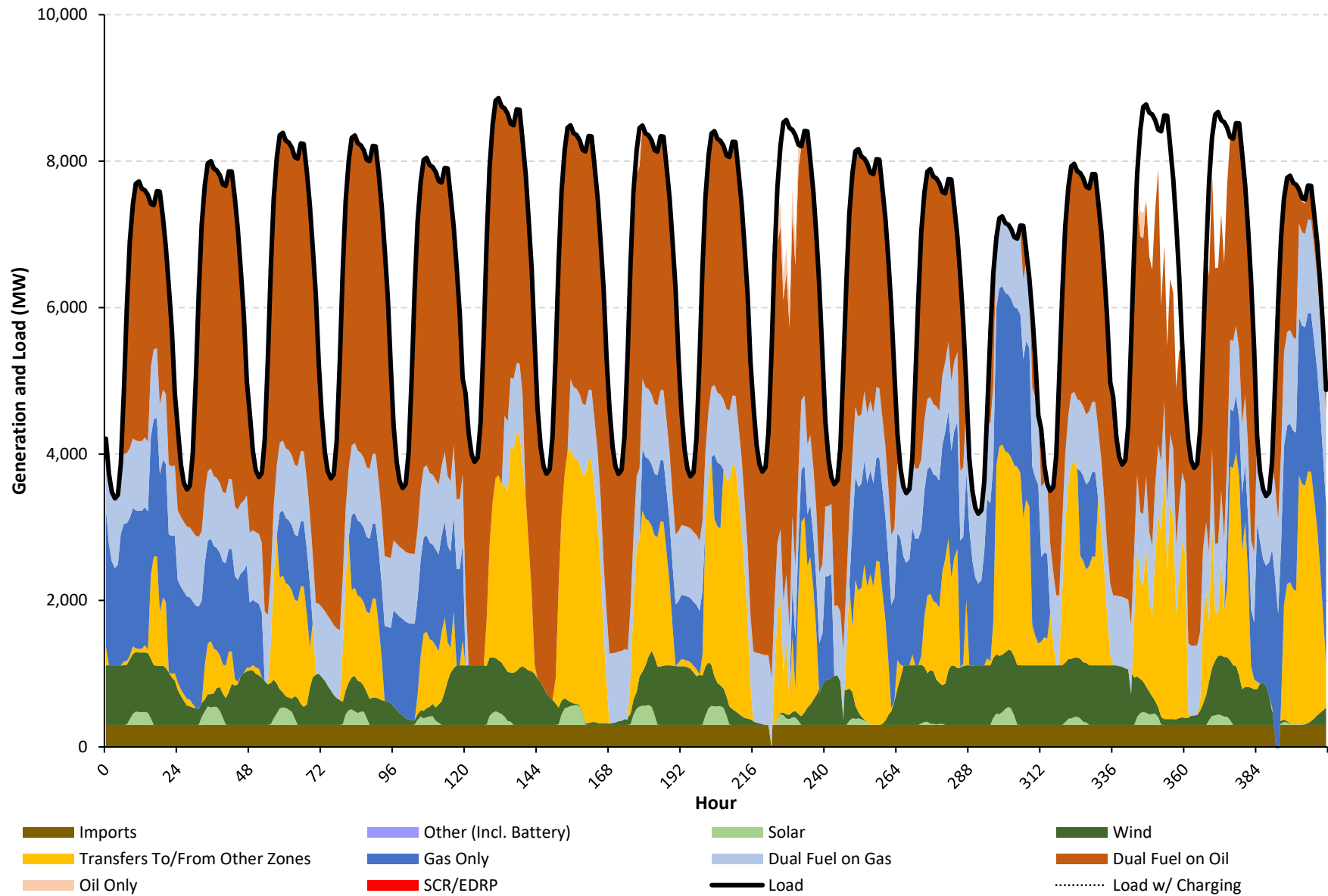
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



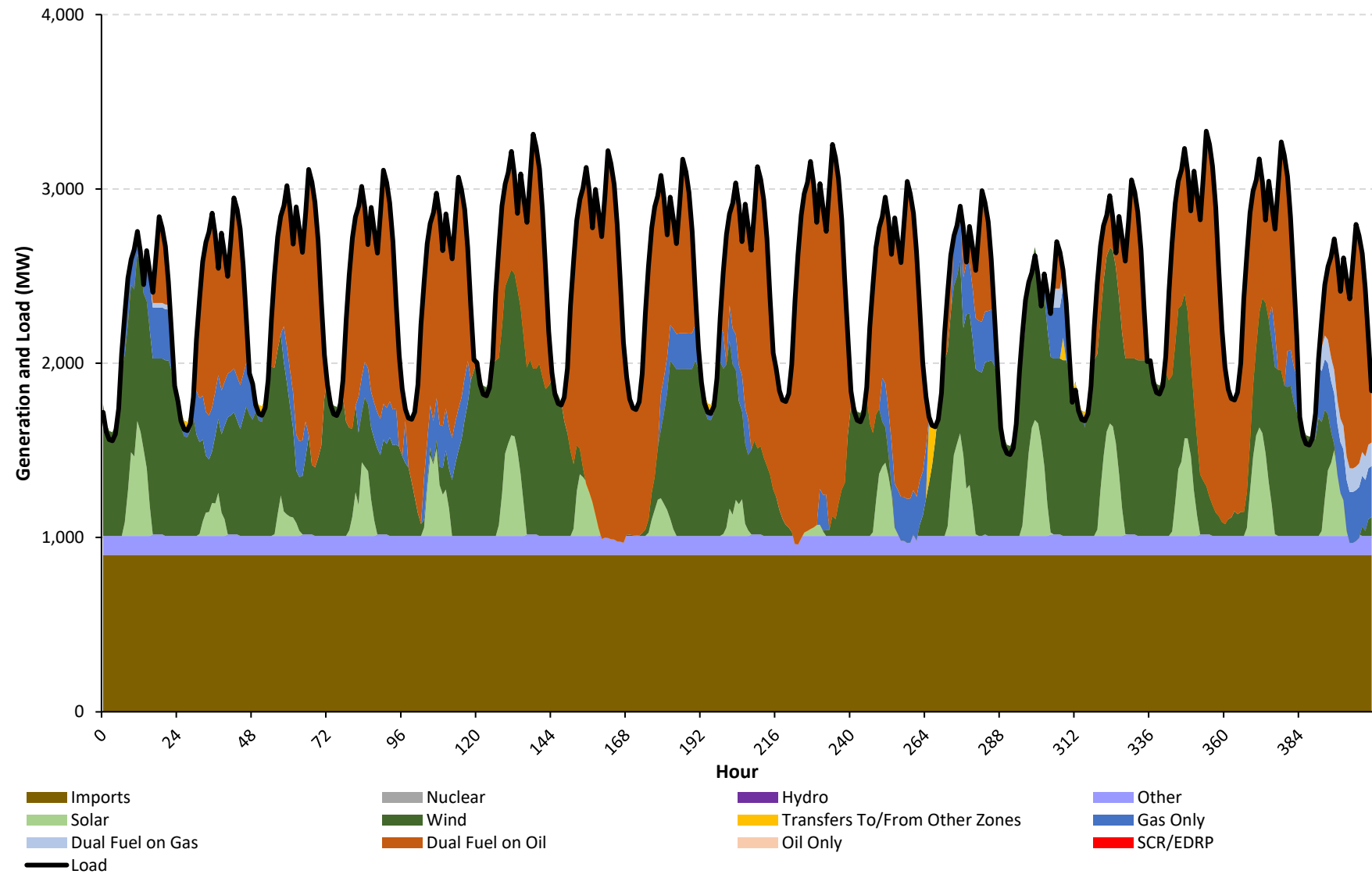


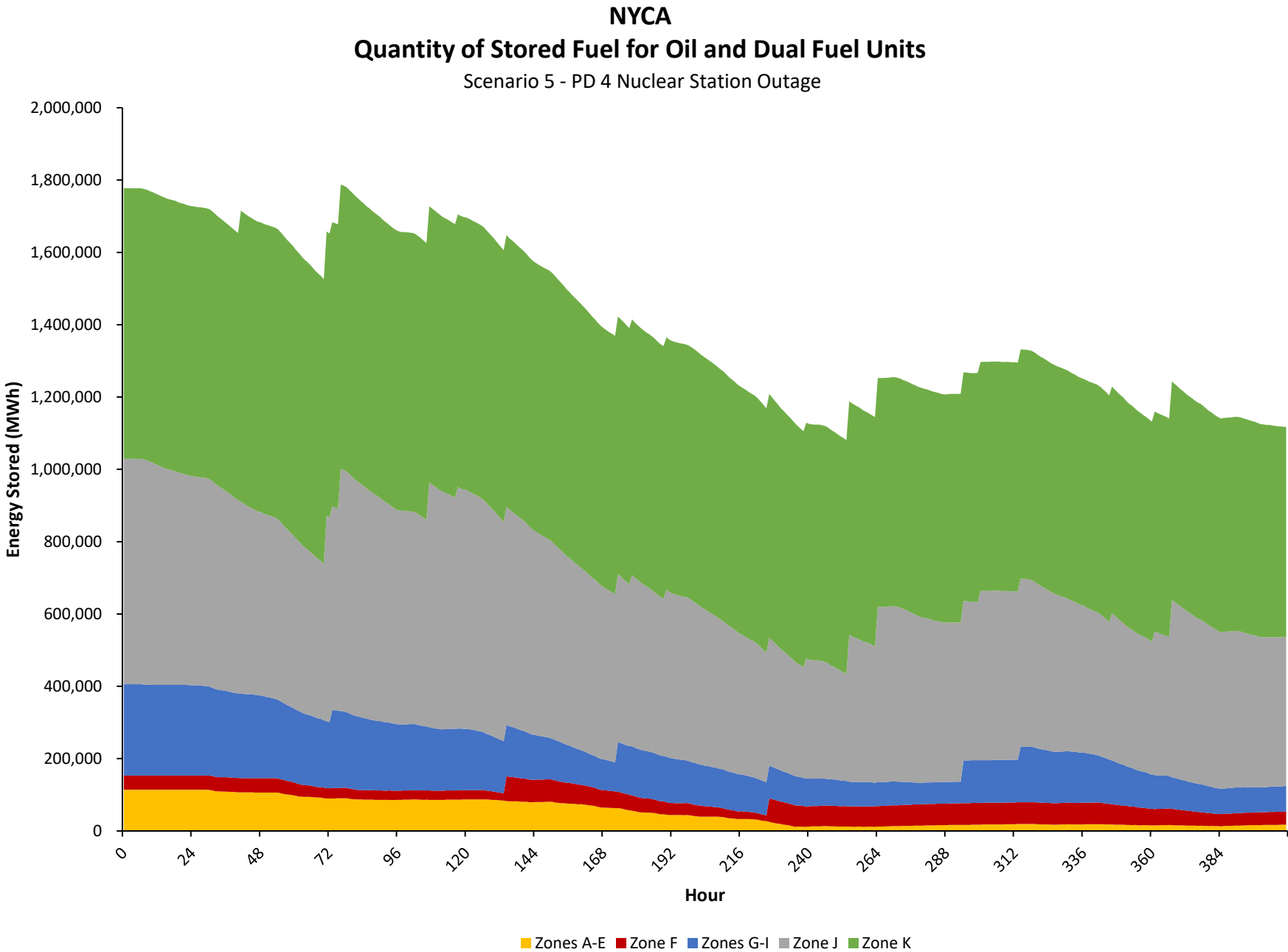


**Zone J**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 4 Nuclear Station Outage



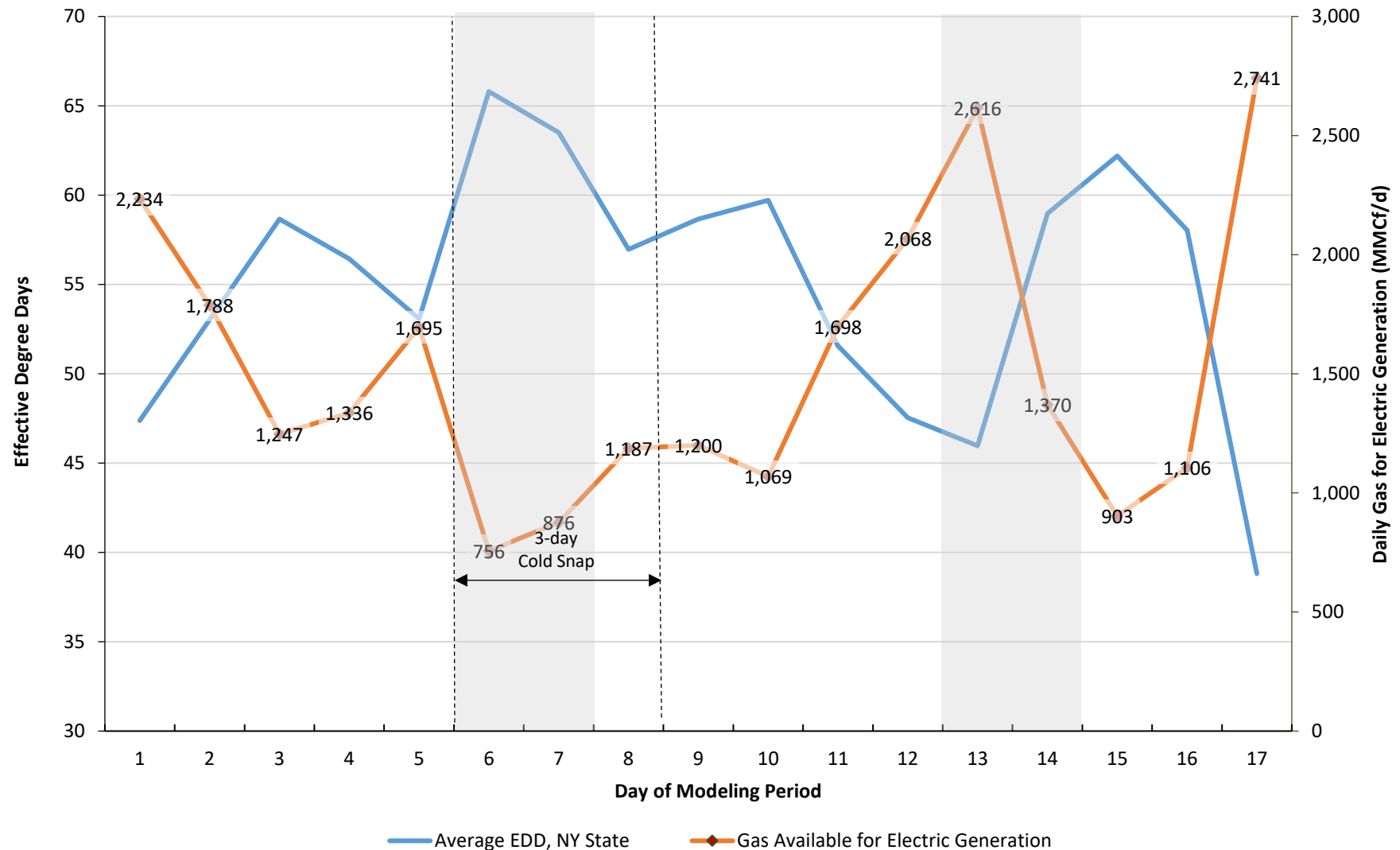
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 4 Nuclear Station Outage





# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

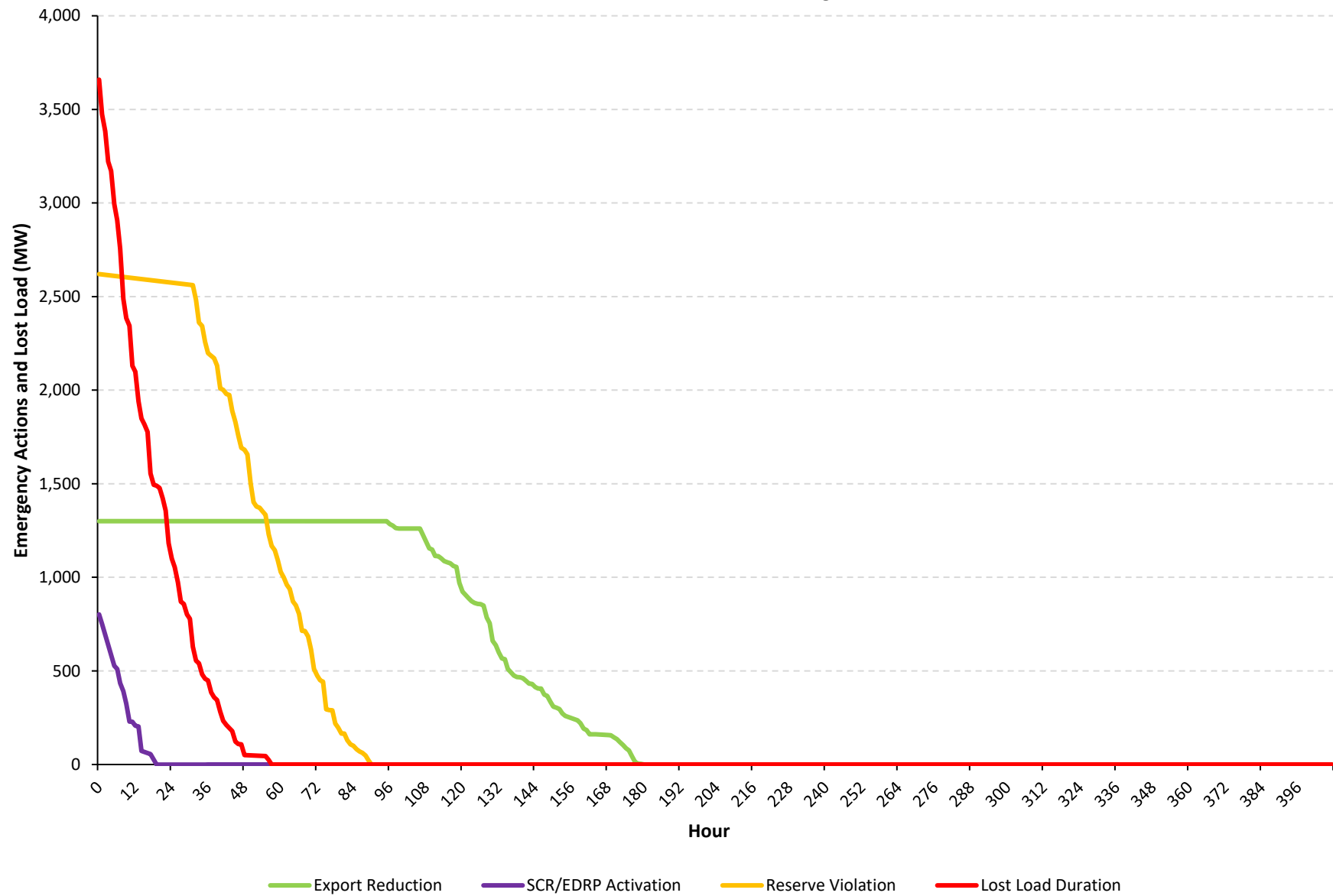
Scenario 5 - PD 4 Nuclear Station Outage

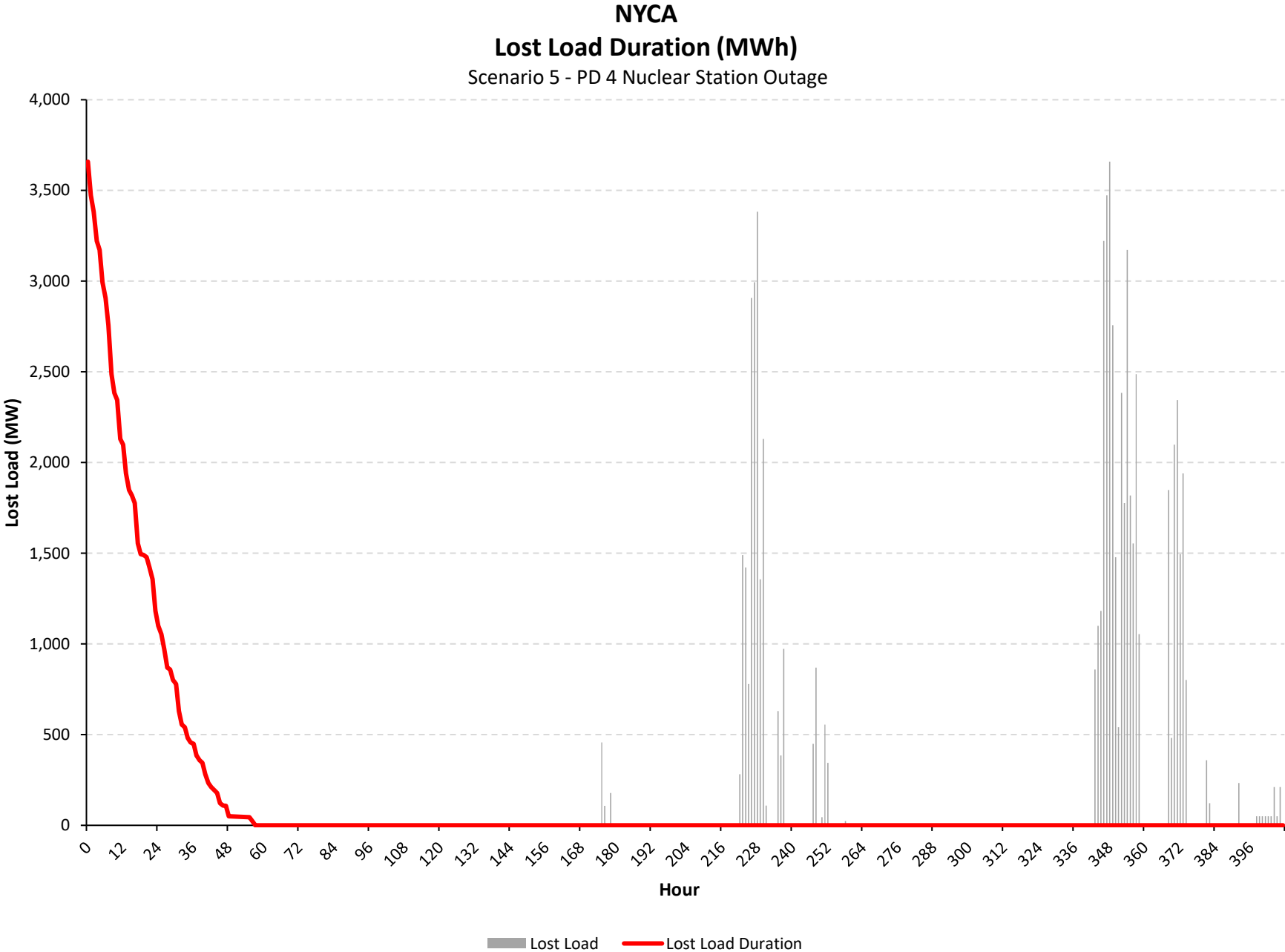


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.

NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 5 - PD 4 Nuclear Station Outage



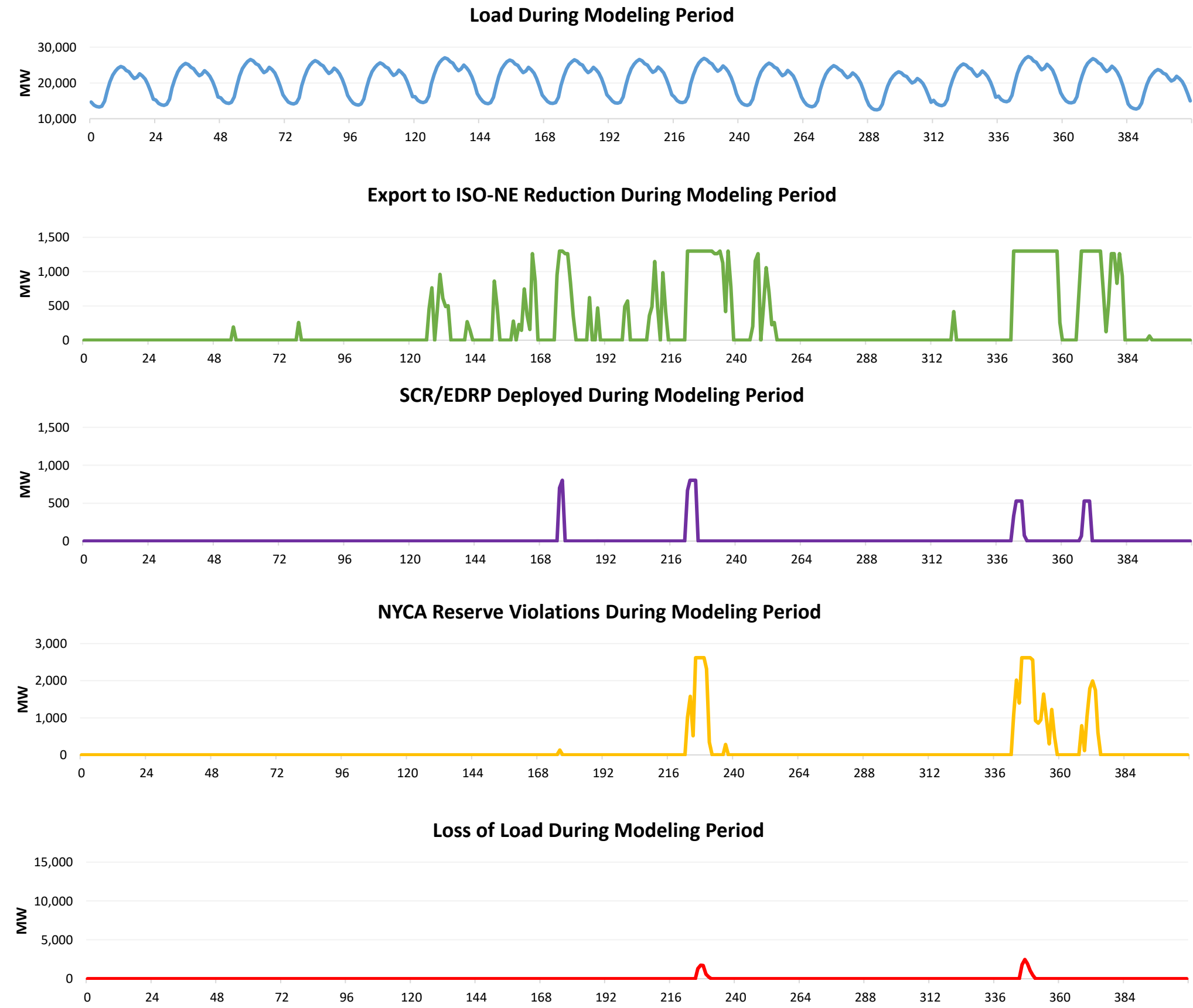


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 5 No Truck Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 100    |
| Total MWh         | 90,420 |
| Avg. MW           | 221.6  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 8,209 |
| Avg. MW        | 20.1  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 35     |
| Total MWh             | 49,621 |
| Avg. MW               | 121.6  |
| First Hour with Viol. | 176    |

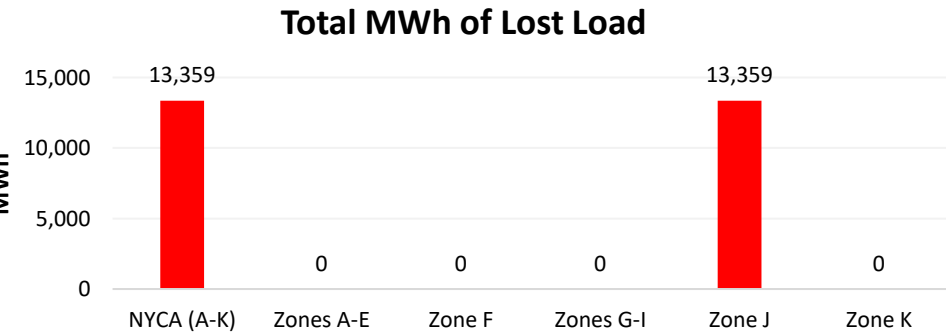
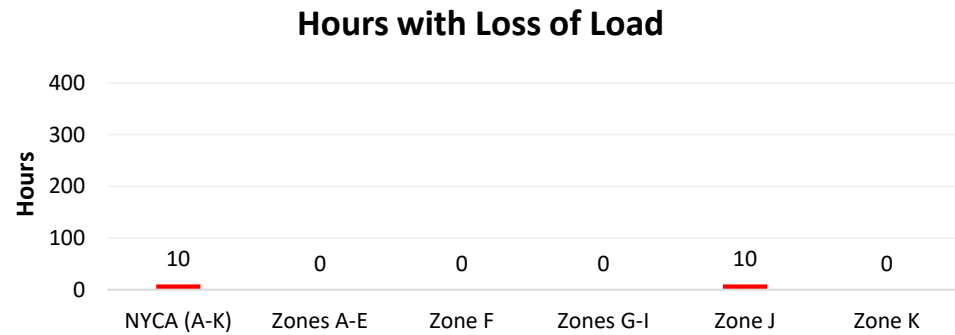
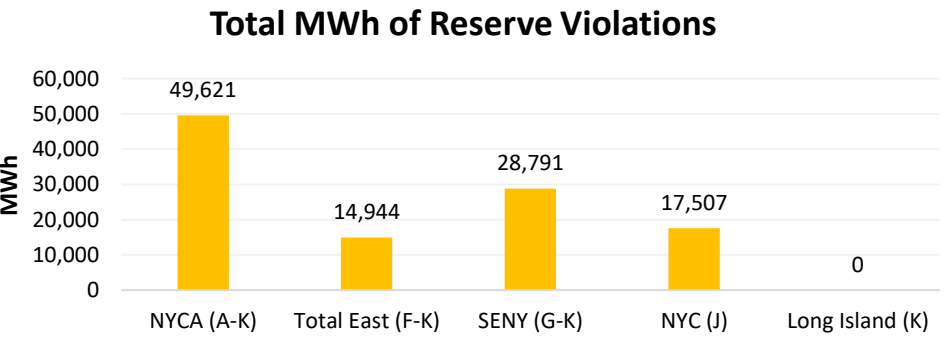
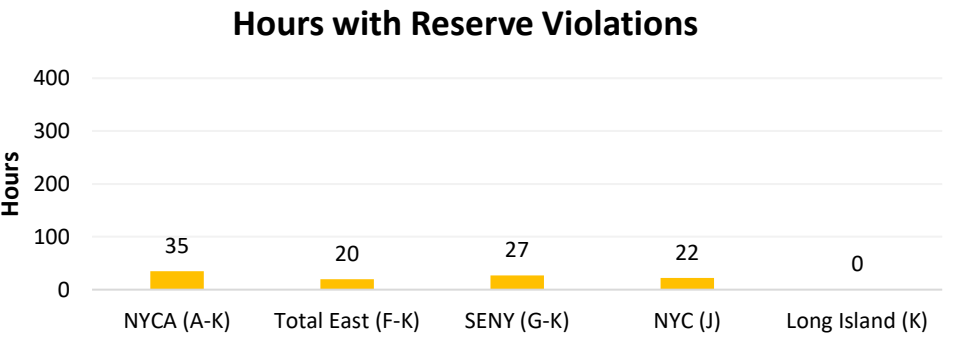
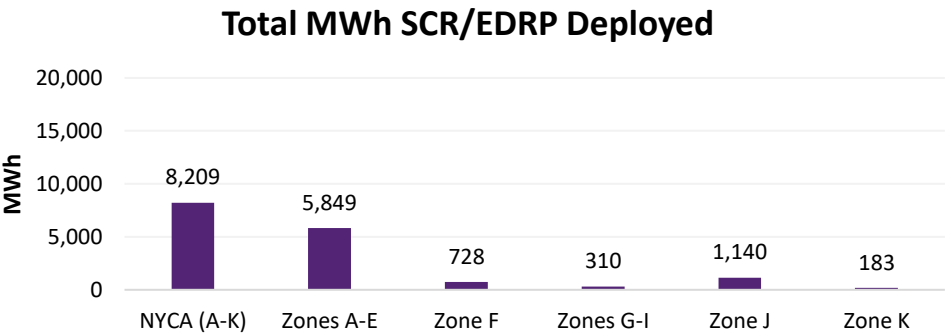
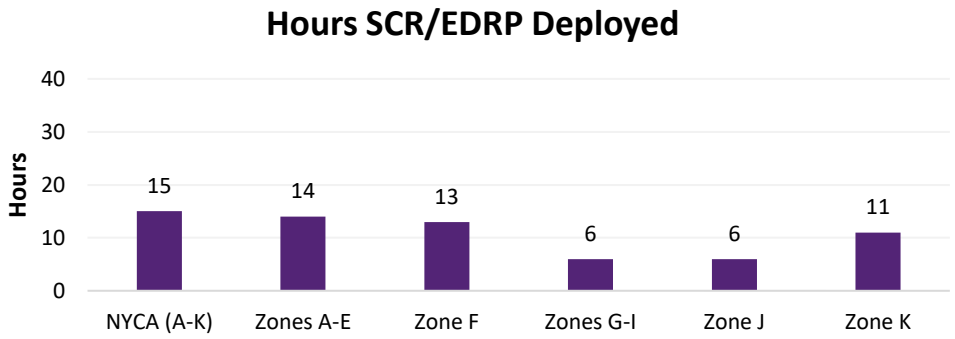
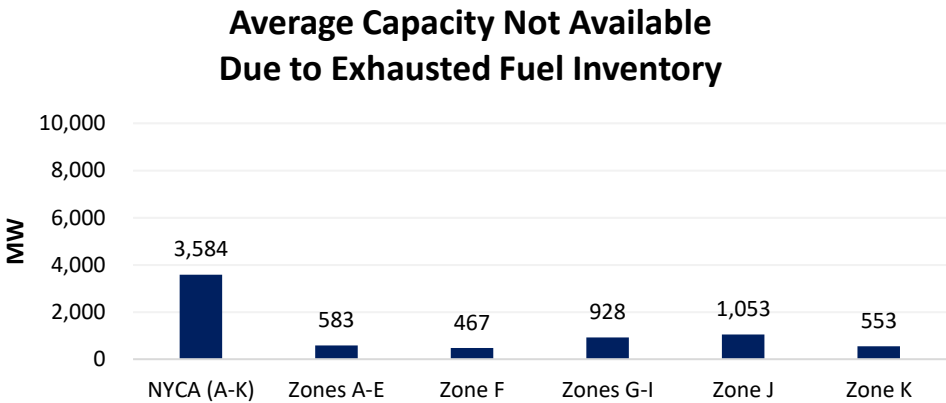
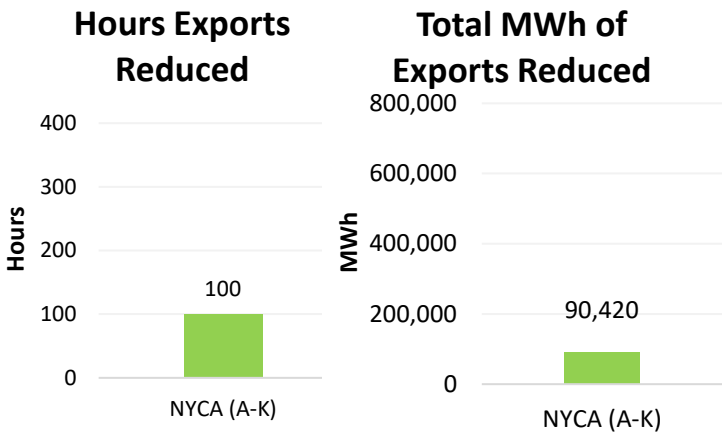
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 10     |
| Total MWh              | 13,359 |
| Avg. MW                | 32.7   |
| First Hour with Losses | 226    |

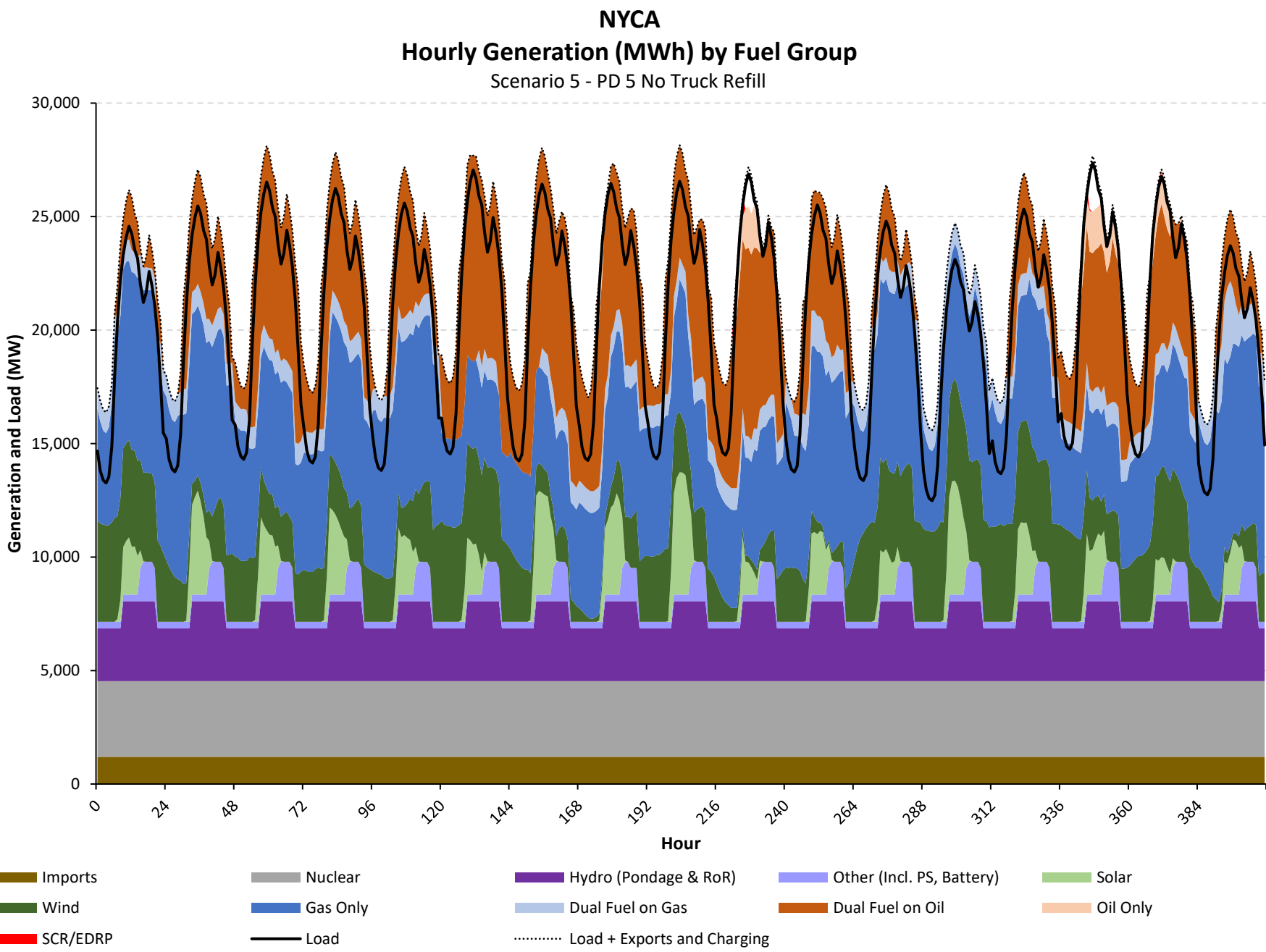


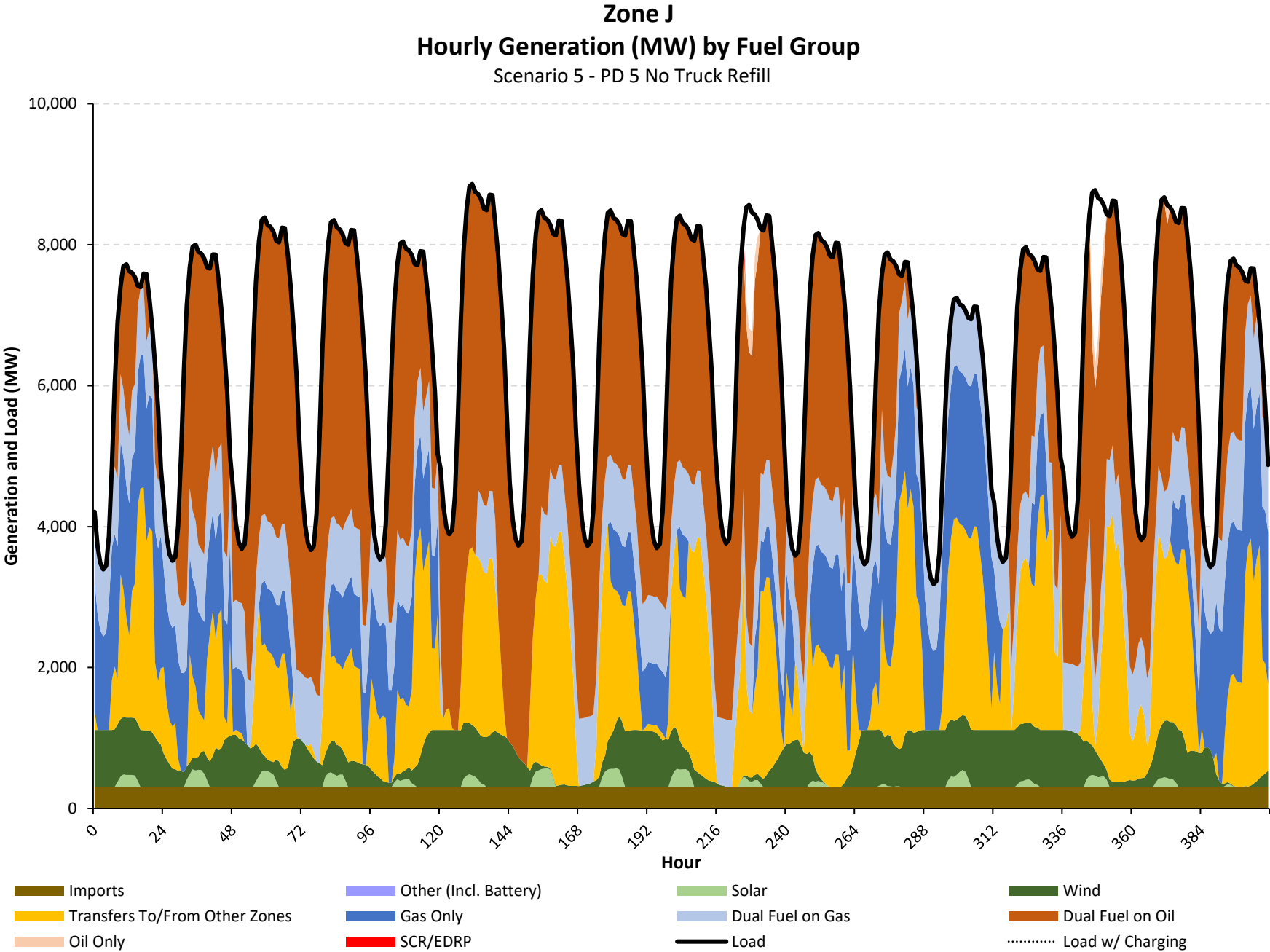
Full Period Results Summary

Case Name: Scenario 5 - PD 5 No Truck Refill

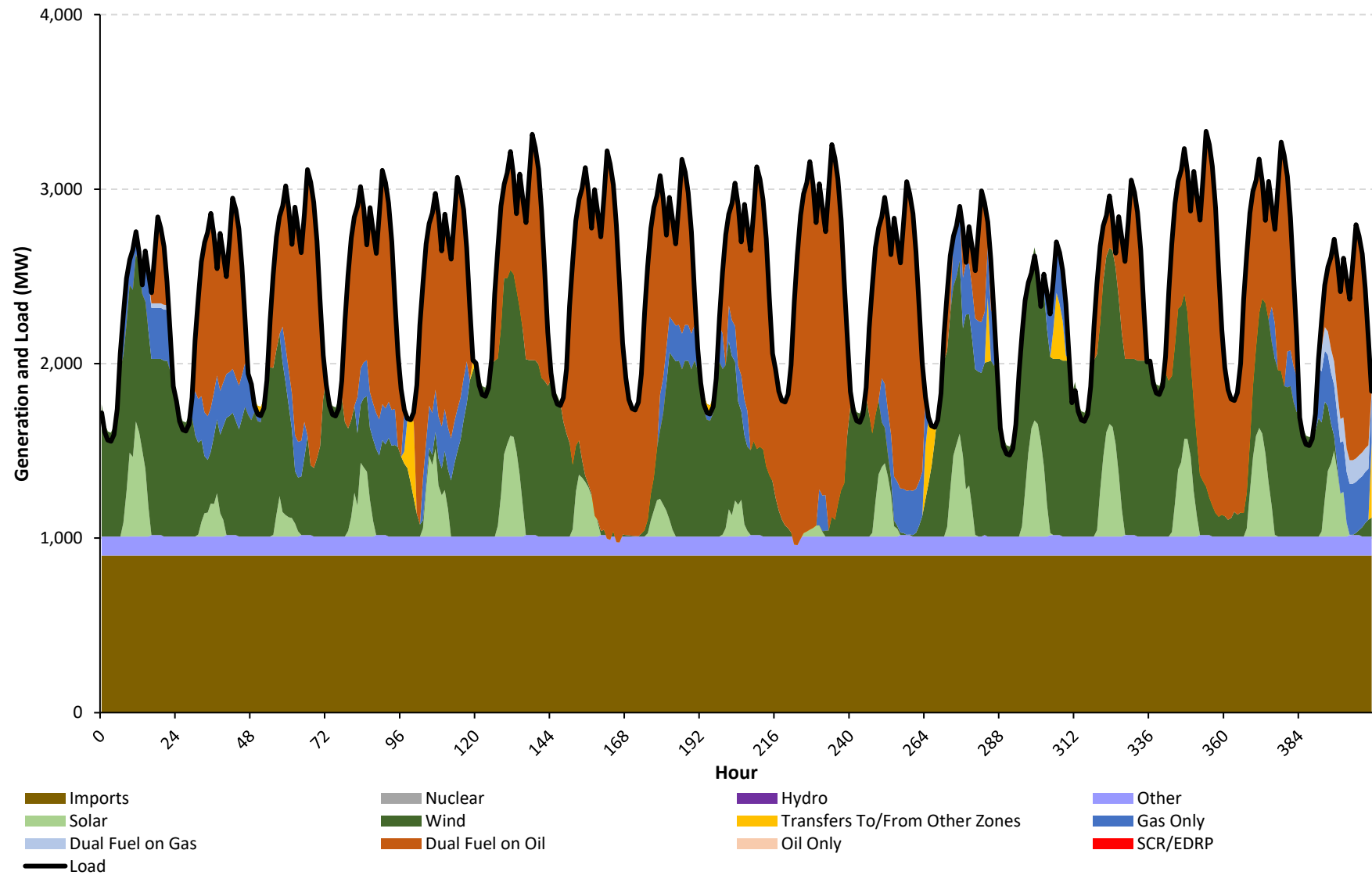
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

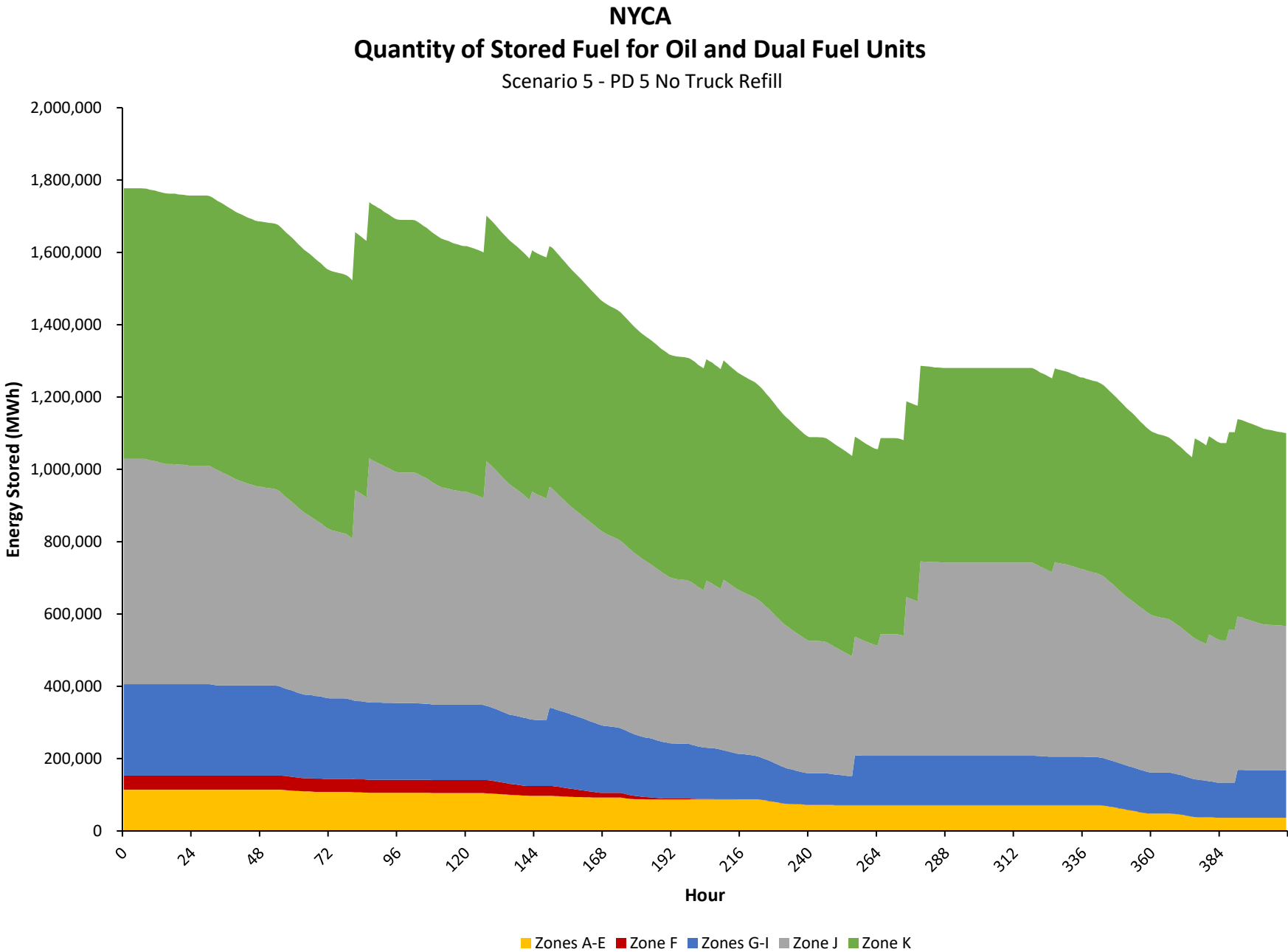


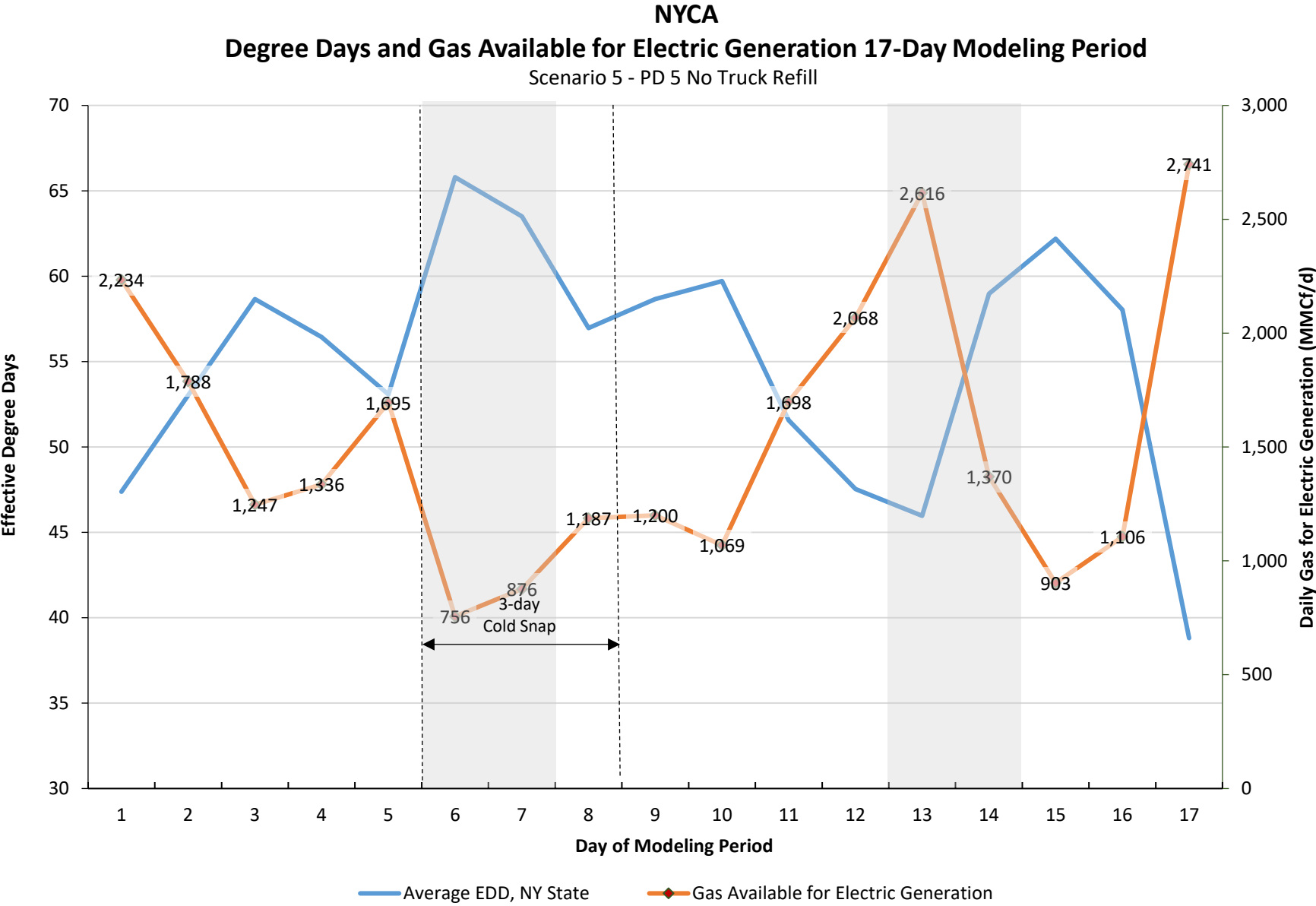




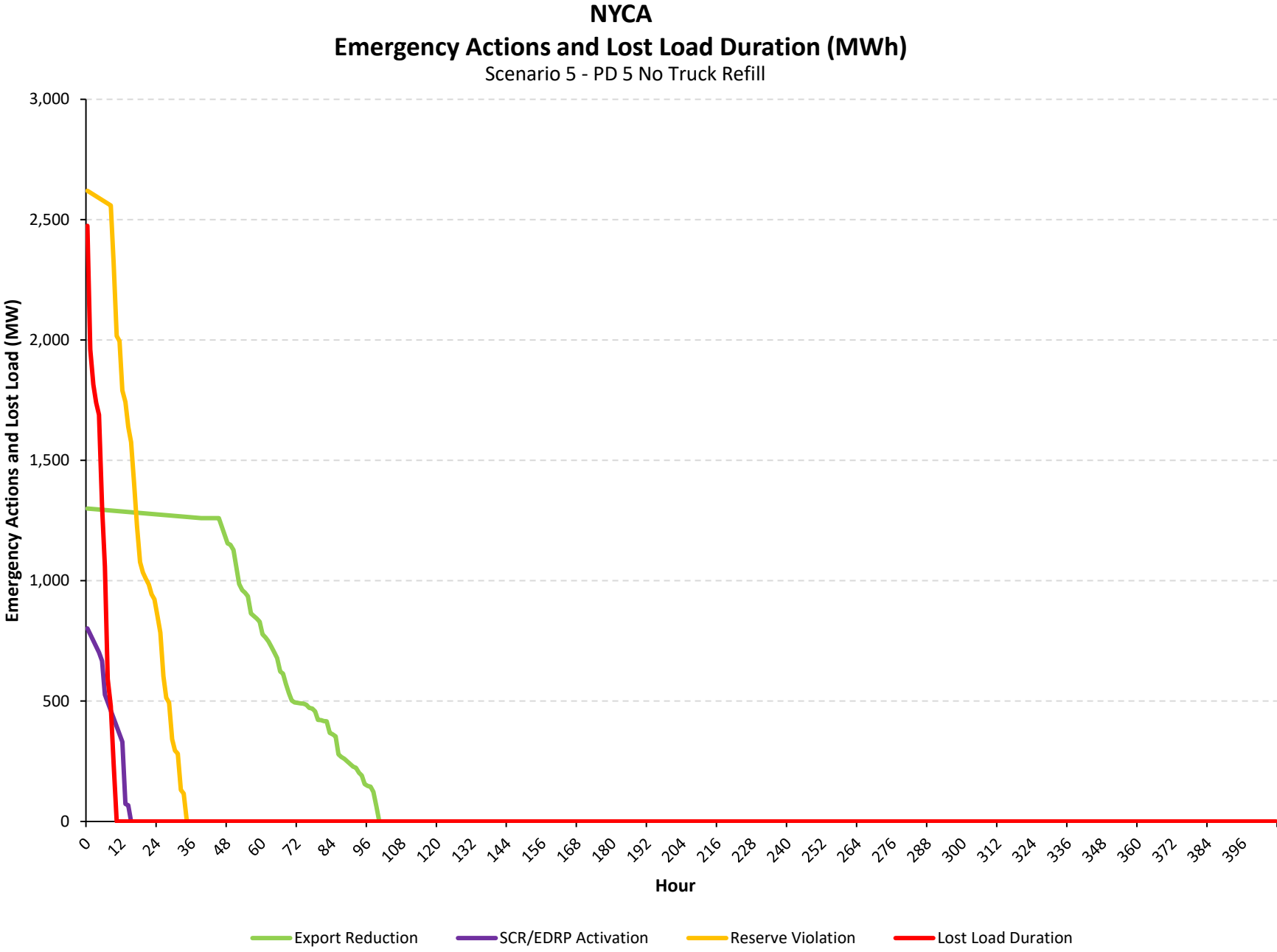
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 5 No Truck Refill

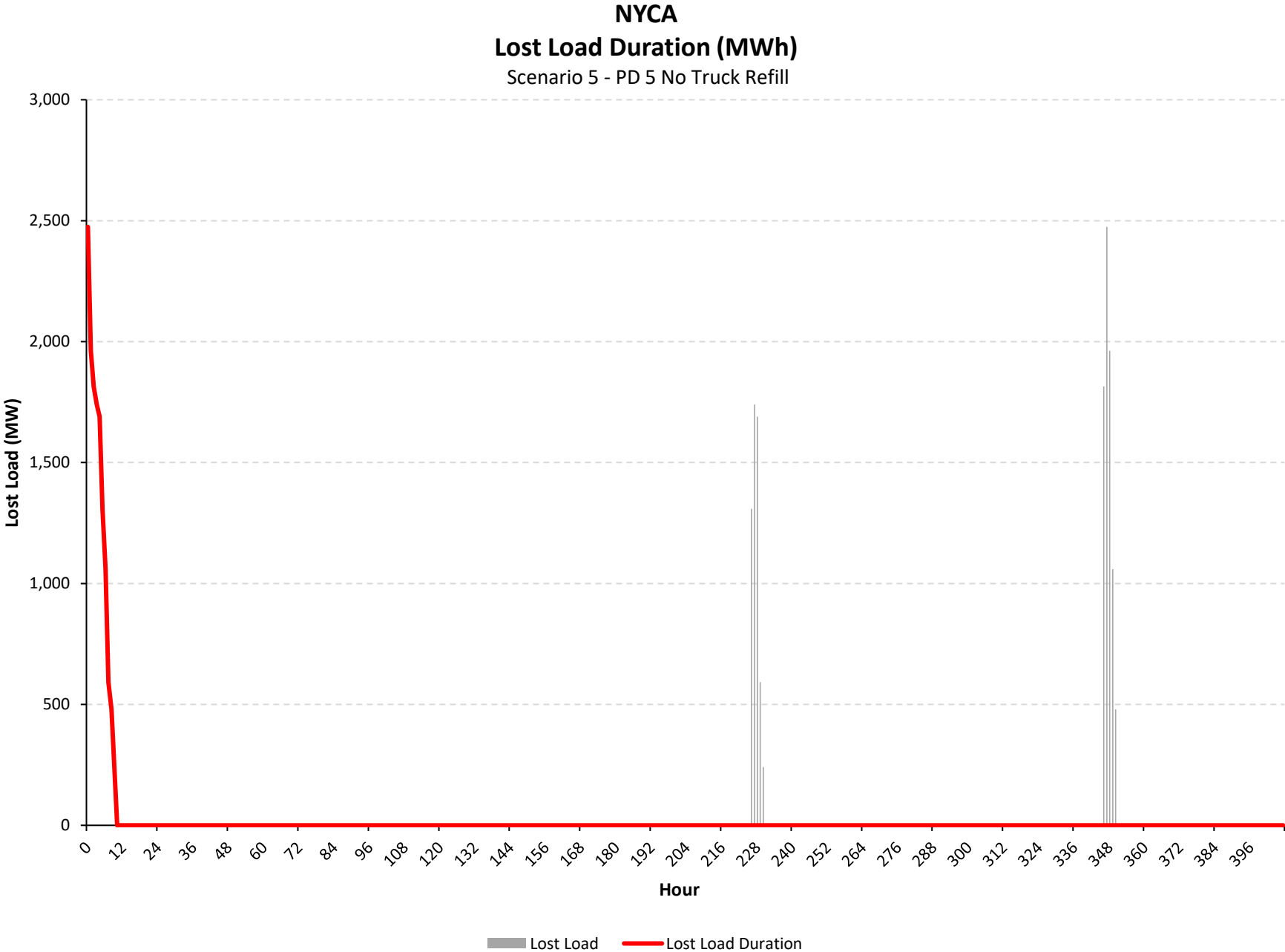






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





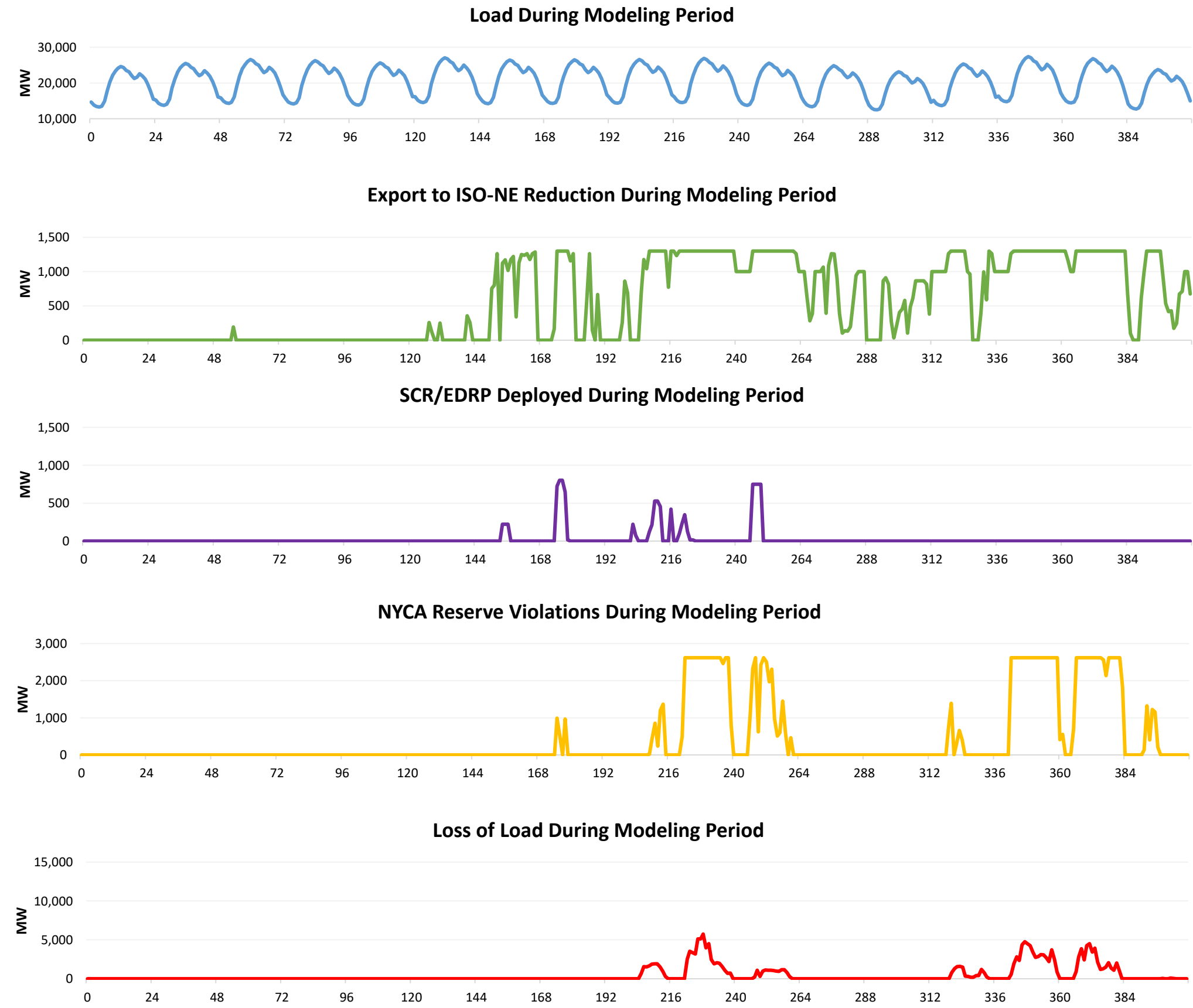


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 6 No Barge Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 228     |
| Total MWh         | 233,216 |
| Avg. MW           | 571.6   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 27     |
| Total MWh      | 10,061 |
| Avg. MW        | 24.7   |

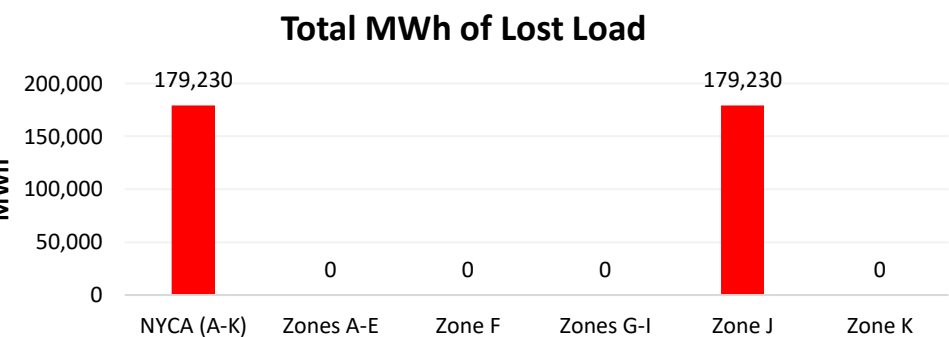
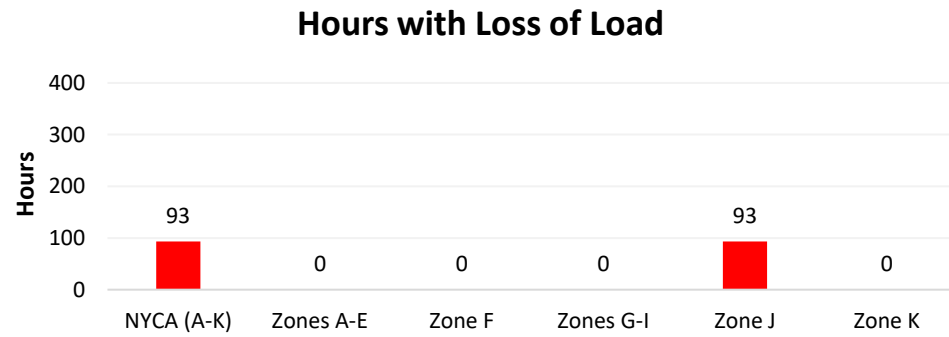
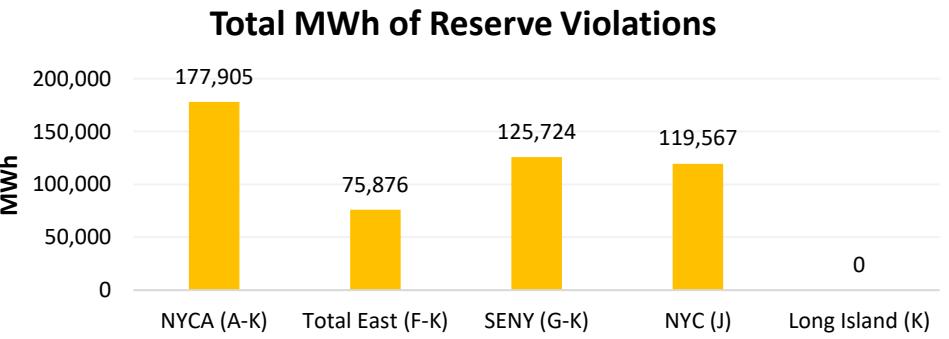
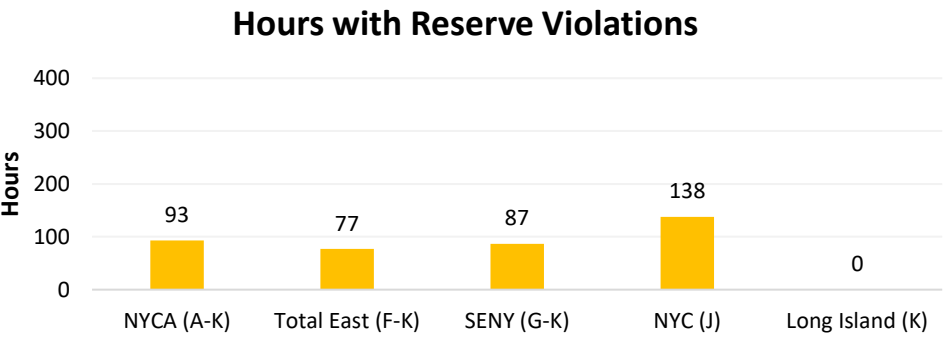
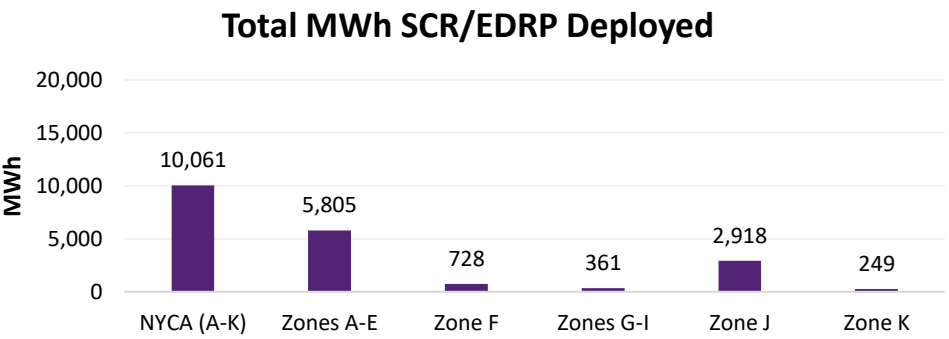
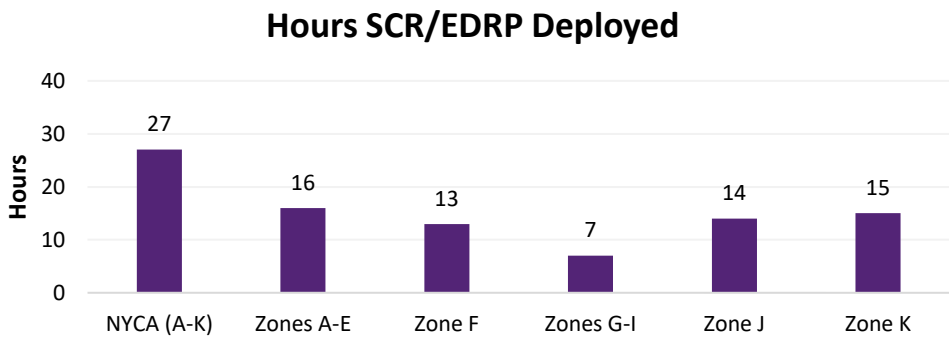
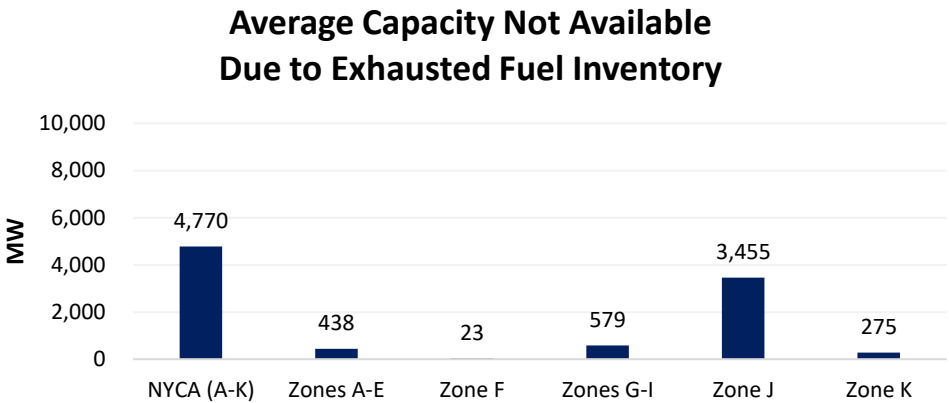
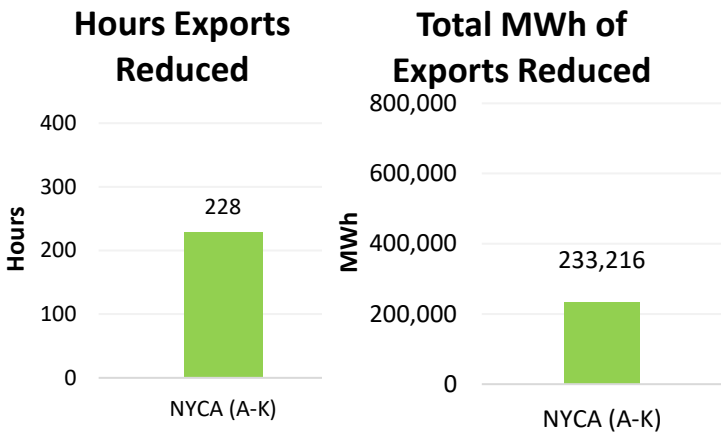
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 93      |
| Total MWh             | 177,905 |
| Avg. MW               | 436.0   |
| First Hour with Viol. | 154     |

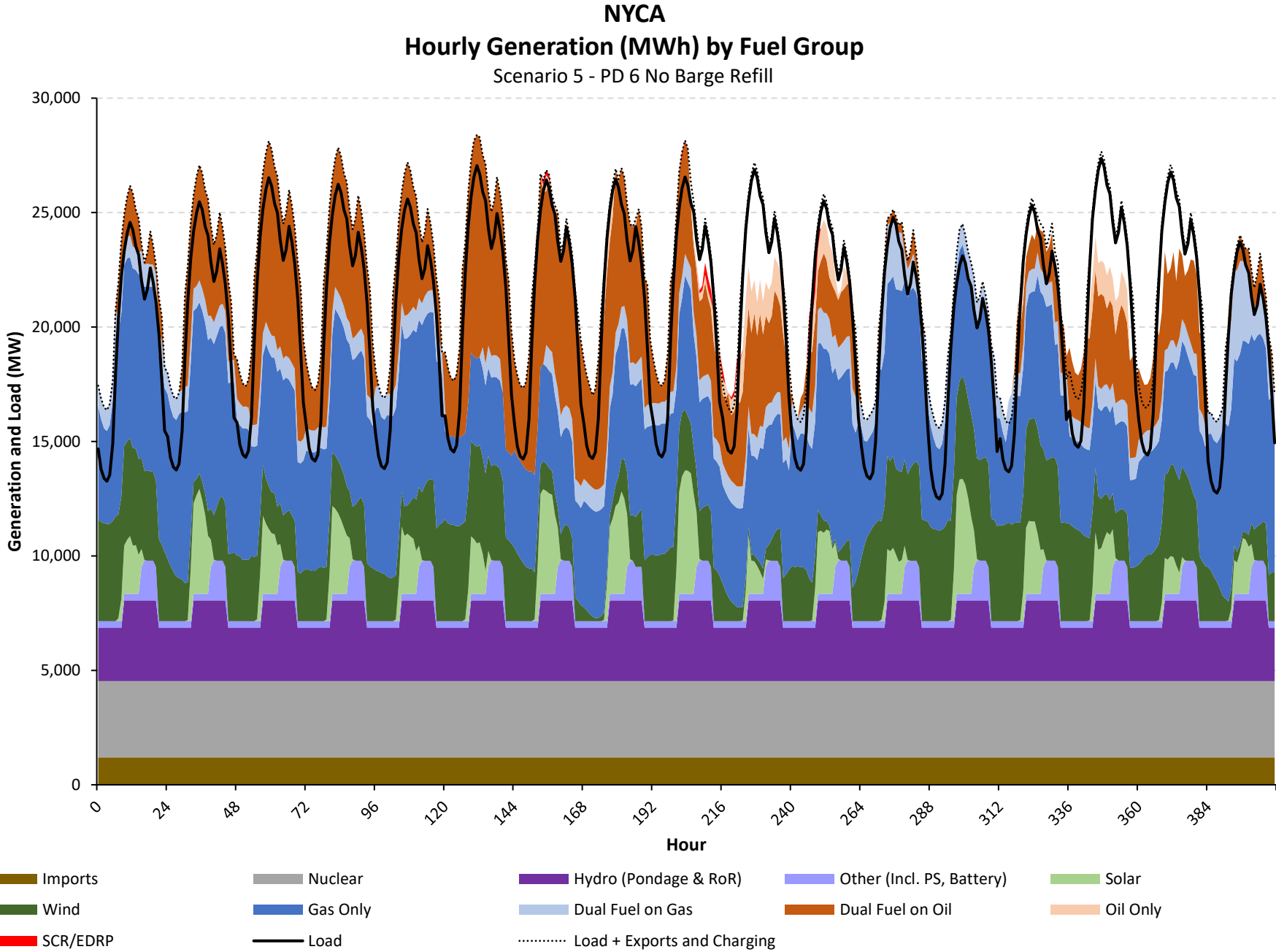
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 93      |
| Total MWh              | 179,230 |
| Avg. MW                | 439.3   |
| First Hour with Losses | 205     |

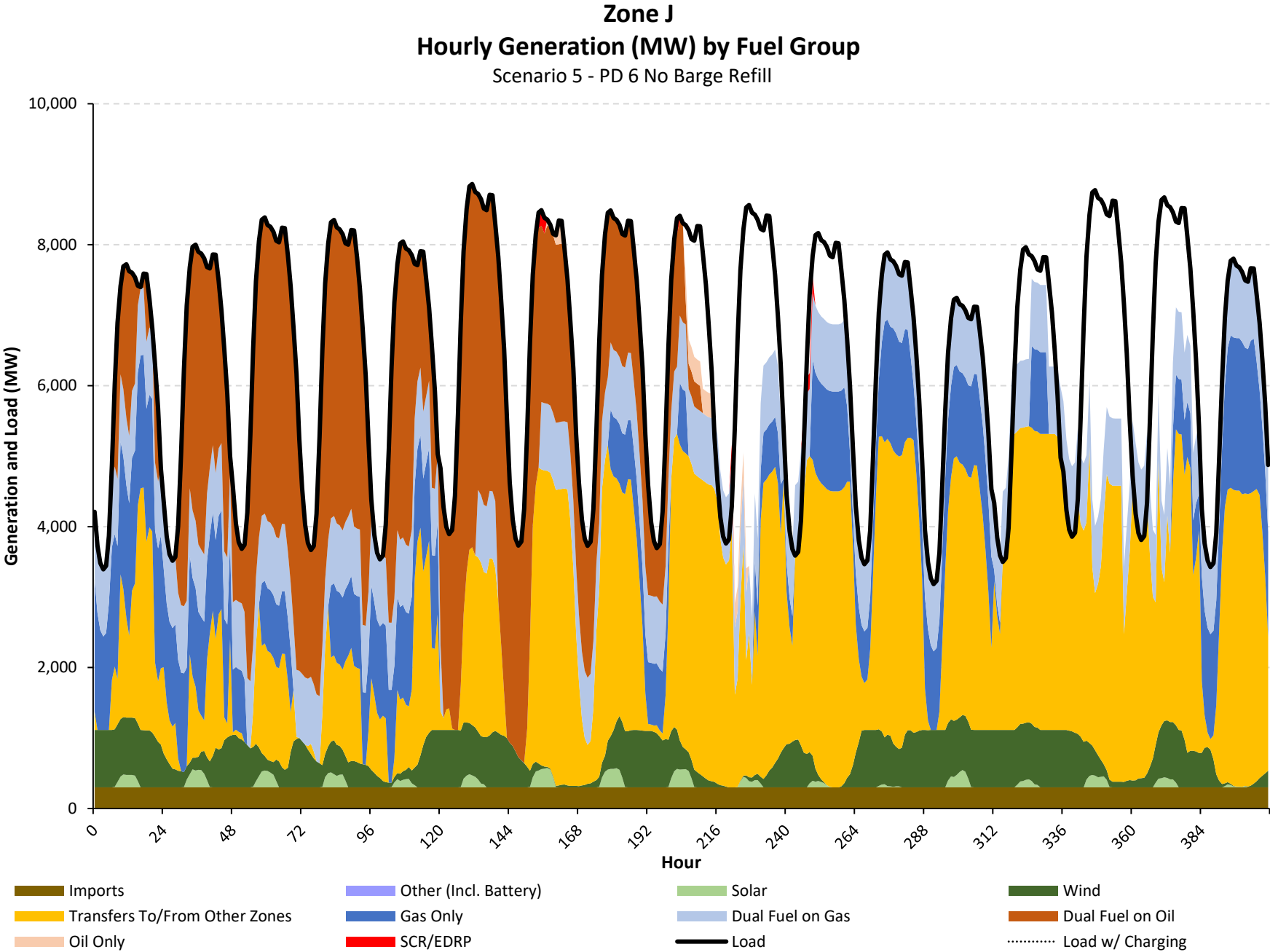
Full Period Results Summary

Case Name: Scenario 5 - PD 6 No Barge Refill

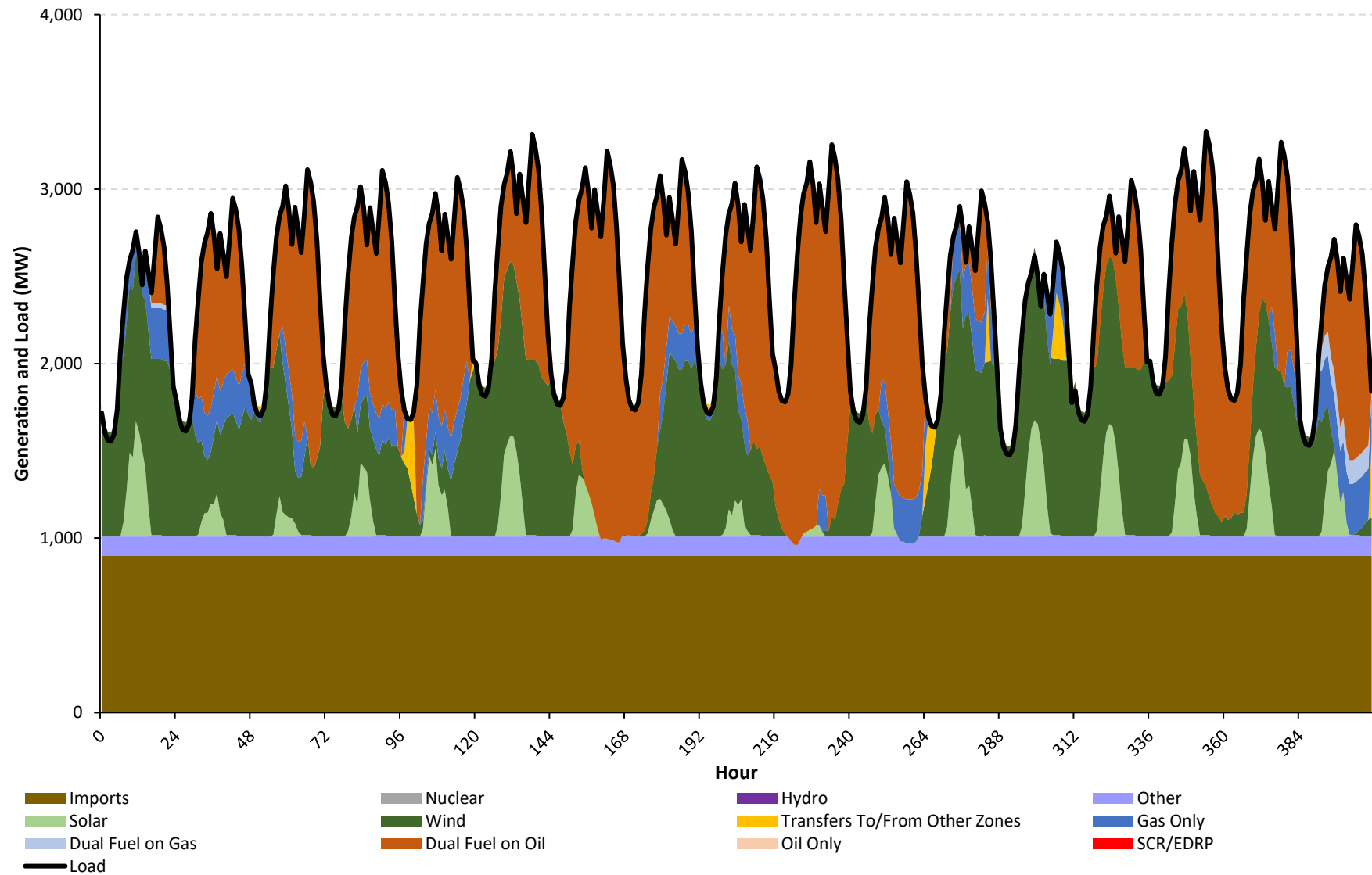
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



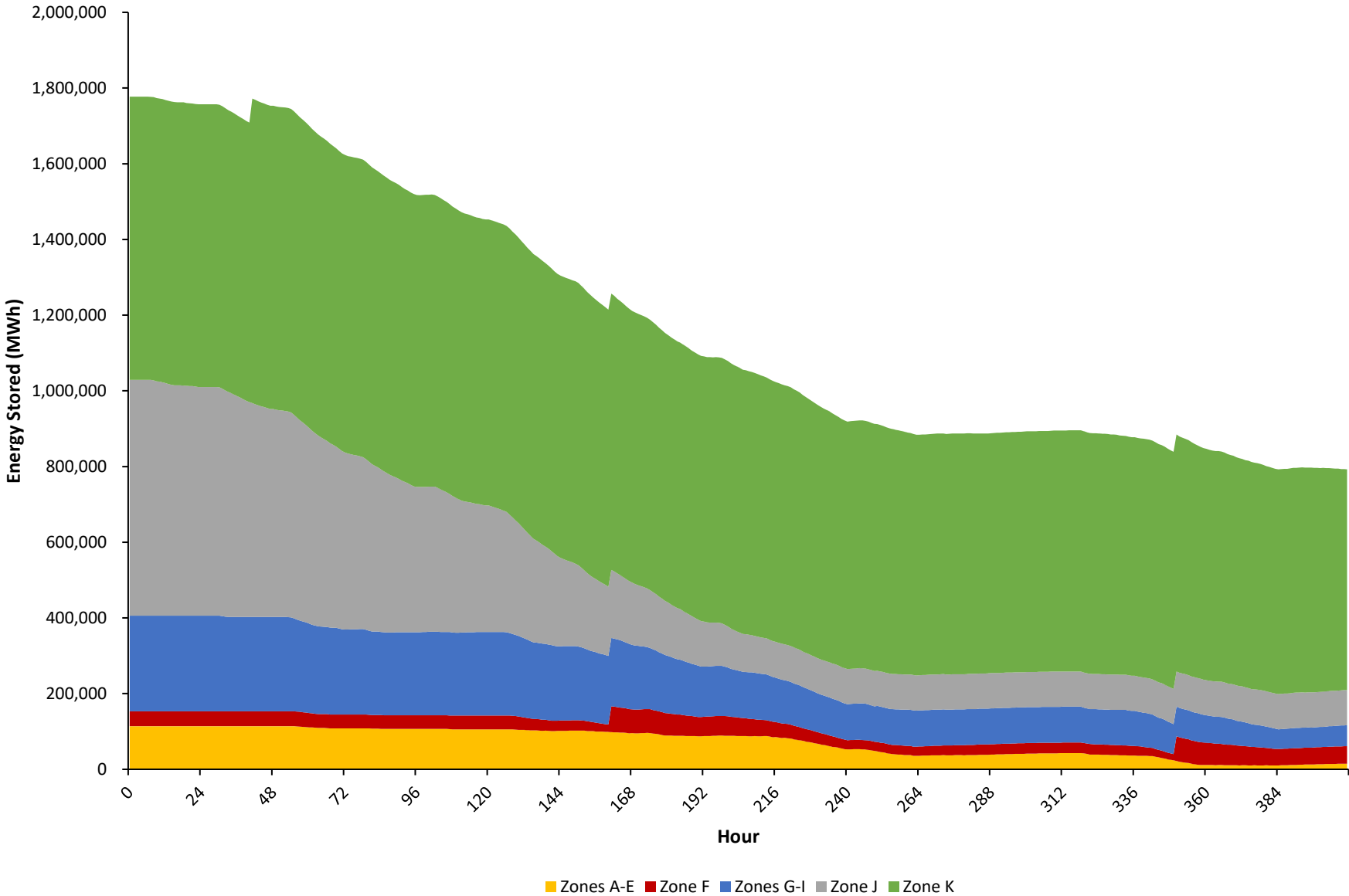


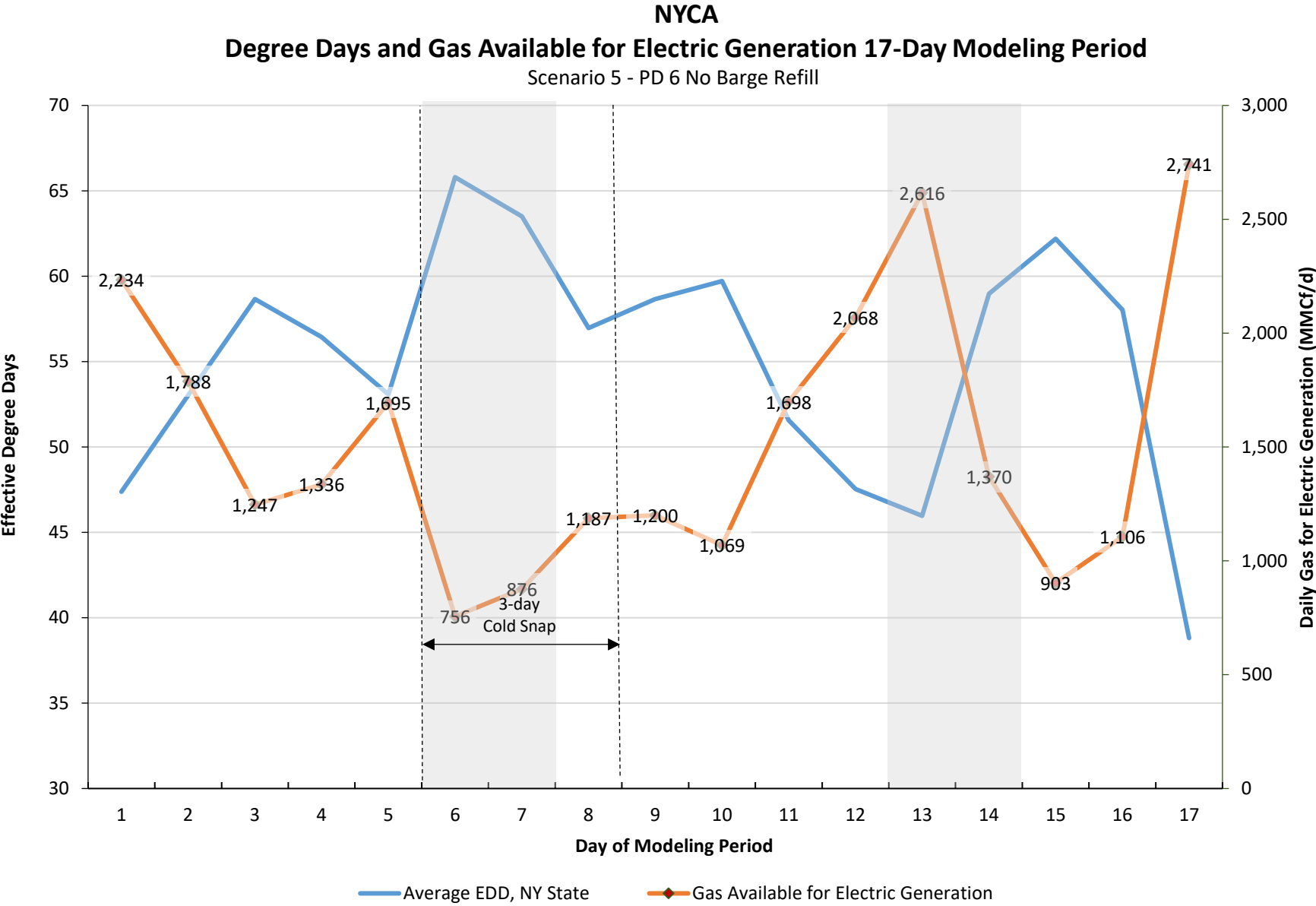


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 6 No Barge Refill



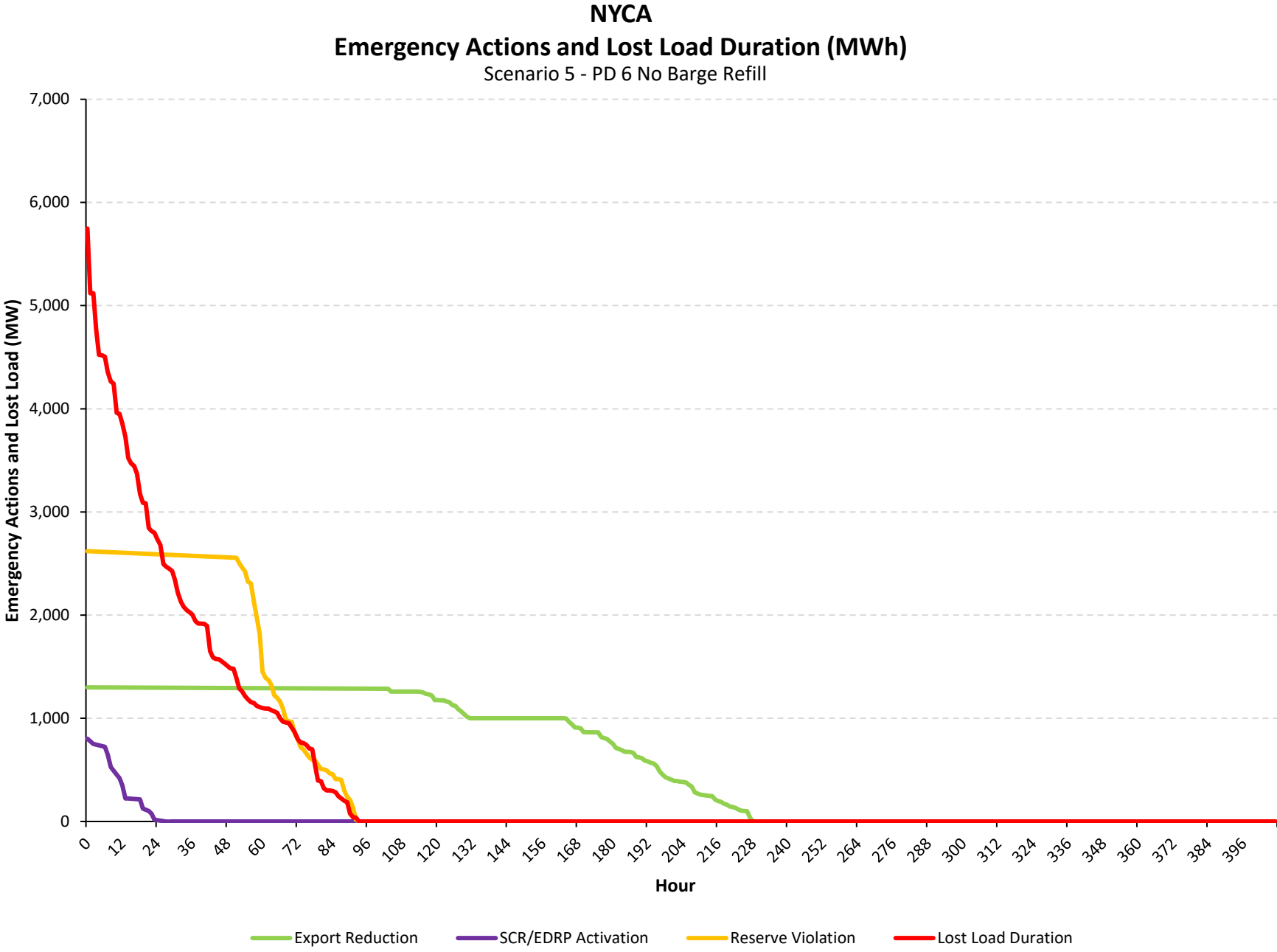
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 5 - PD 6 No Barge Refill

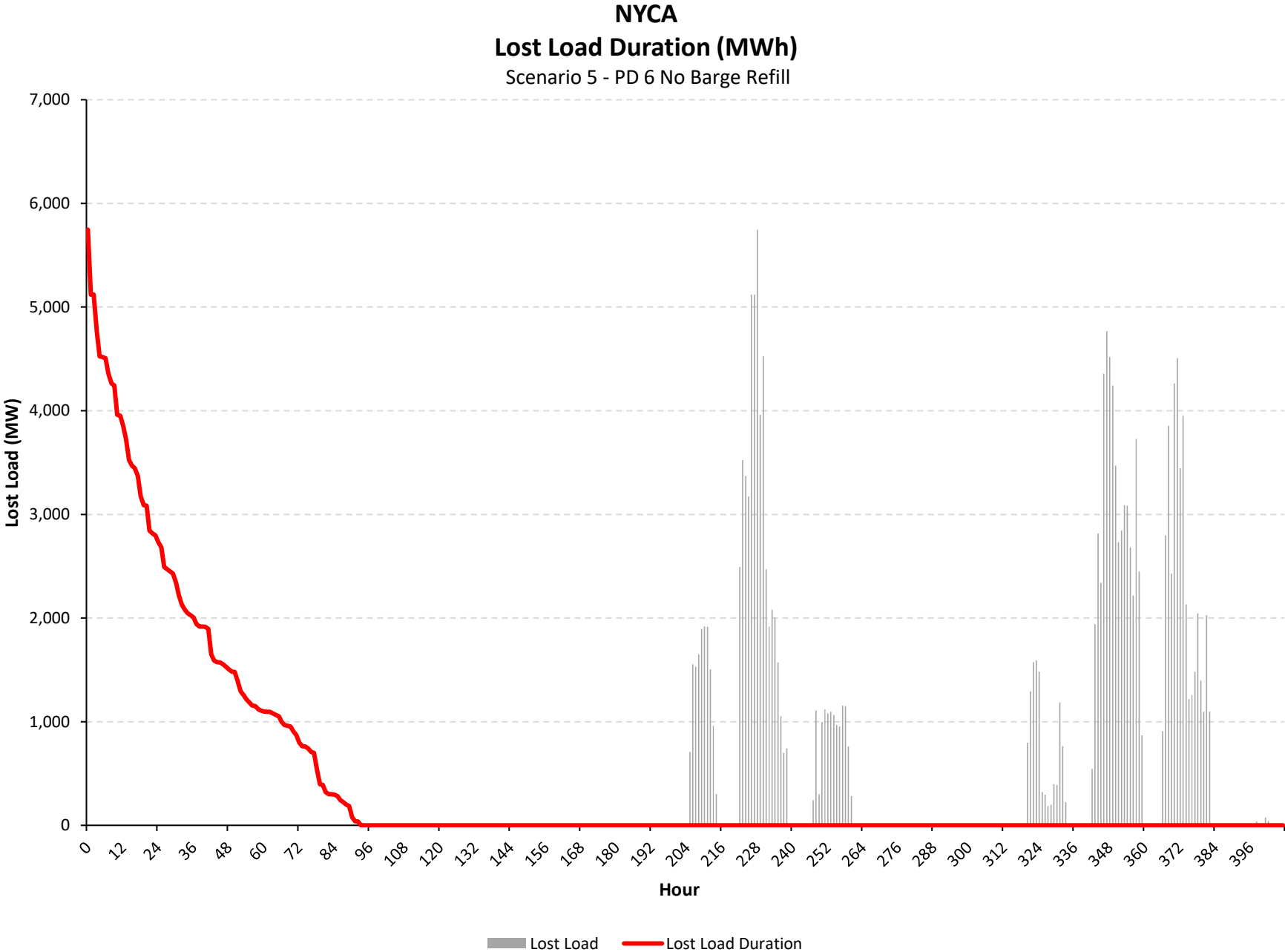




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





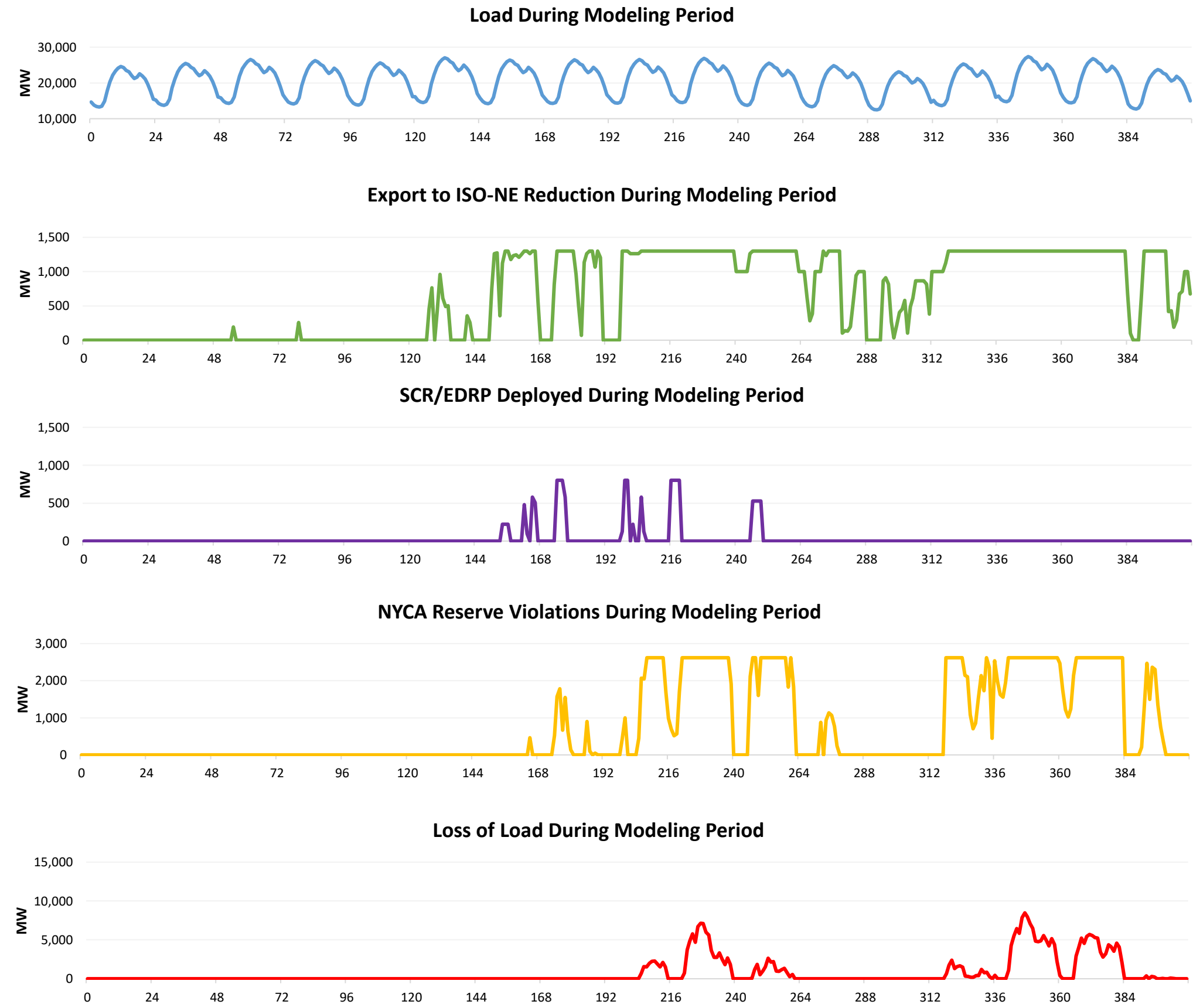


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 7 No Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 248     |
| Total MWh         | 270,817 |
| Avg. MW           | 663.8   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 25     |
| Total MWh      | 13,289 |
| Avg. MW        | 32.6   |

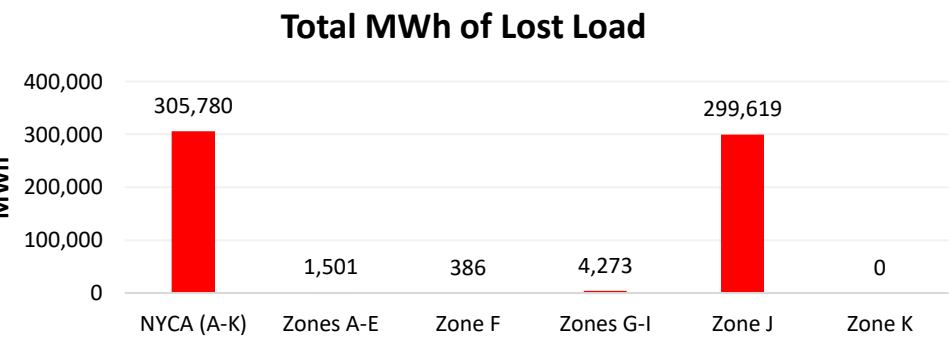
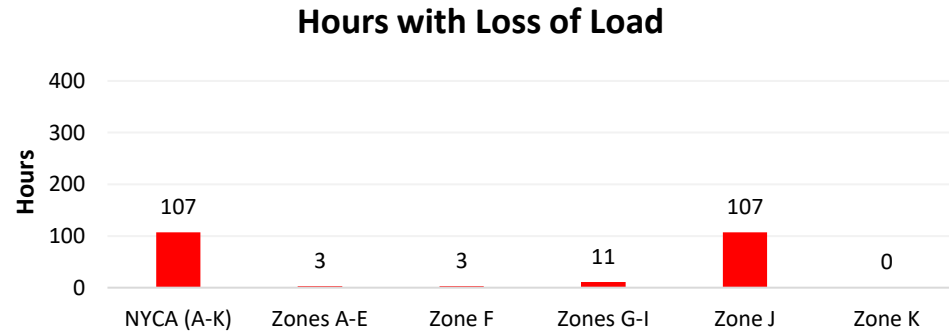
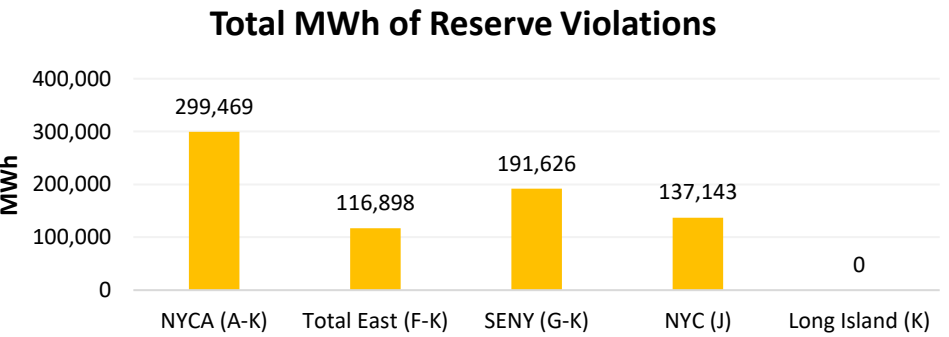
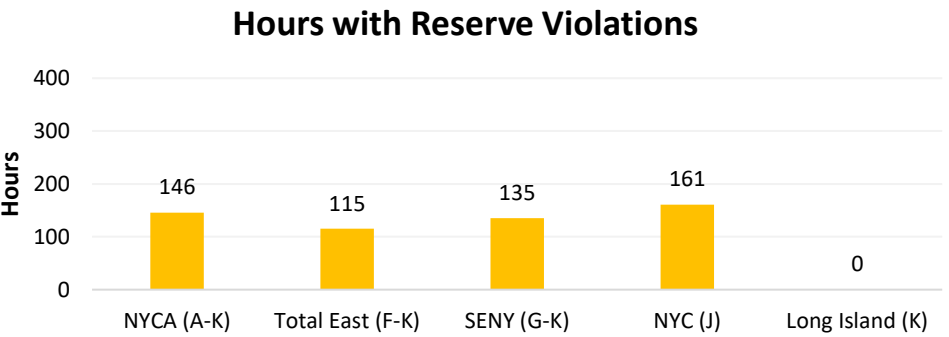
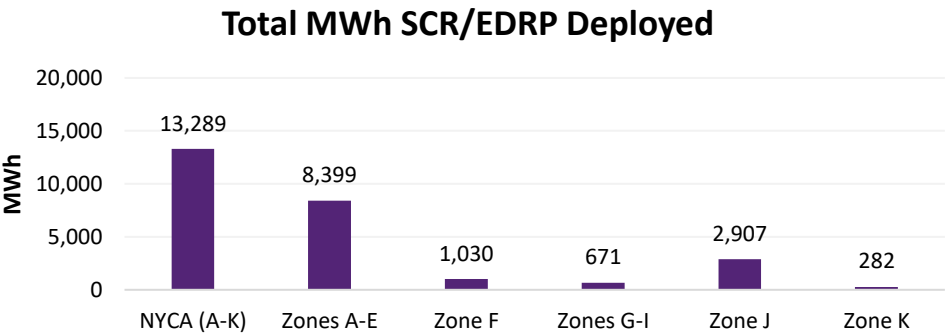
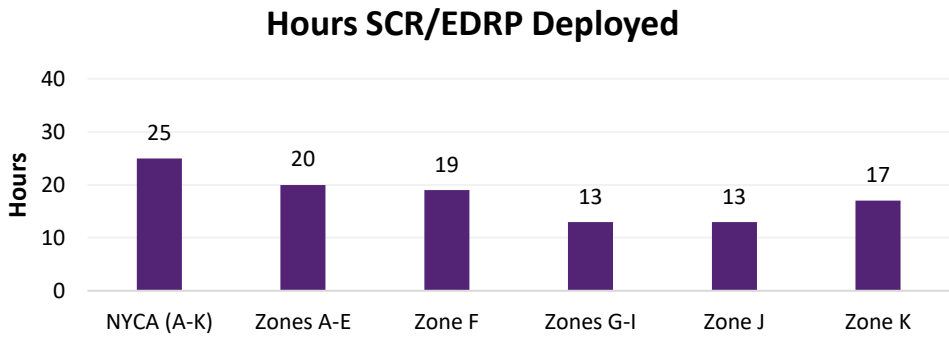
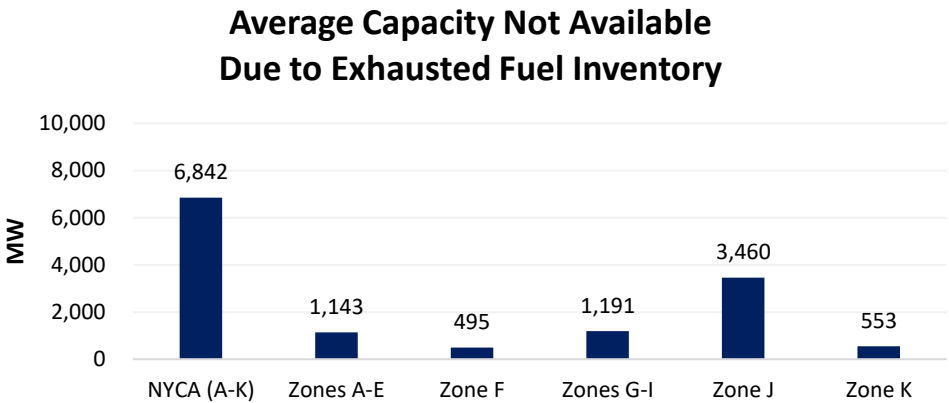
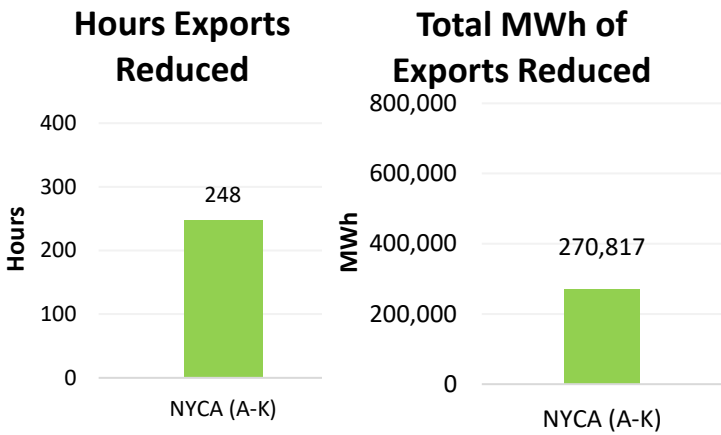
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 146     |
| Total MWh             | 299,469 |
| Avg. MW               | 734.0   |
| First Hour with Viol. | 154     |

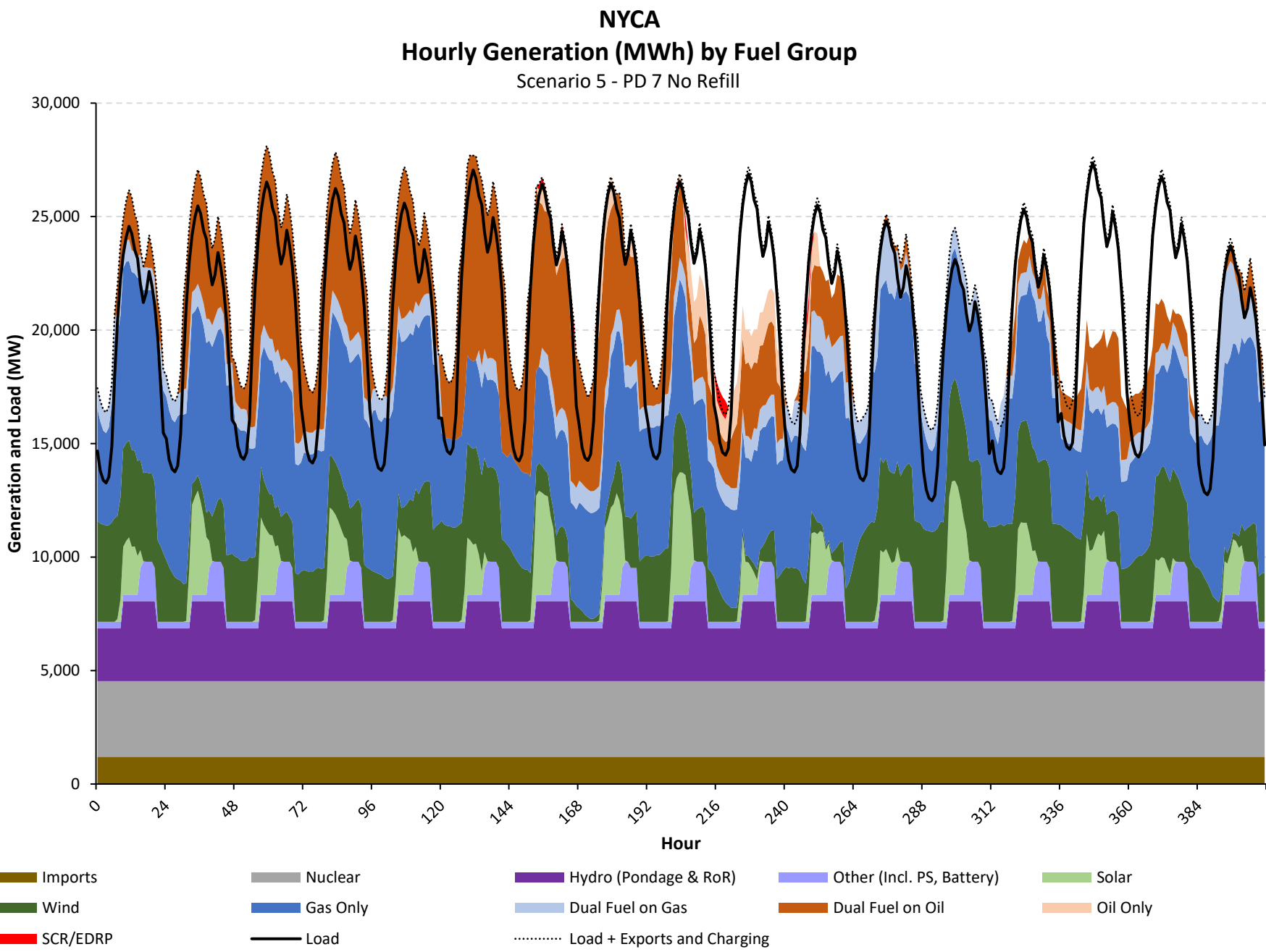
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 107     |
| Total MWh              | 305,780 |
| Avg. MW                | 749.5   |
| First Hour with Losses | 205     |

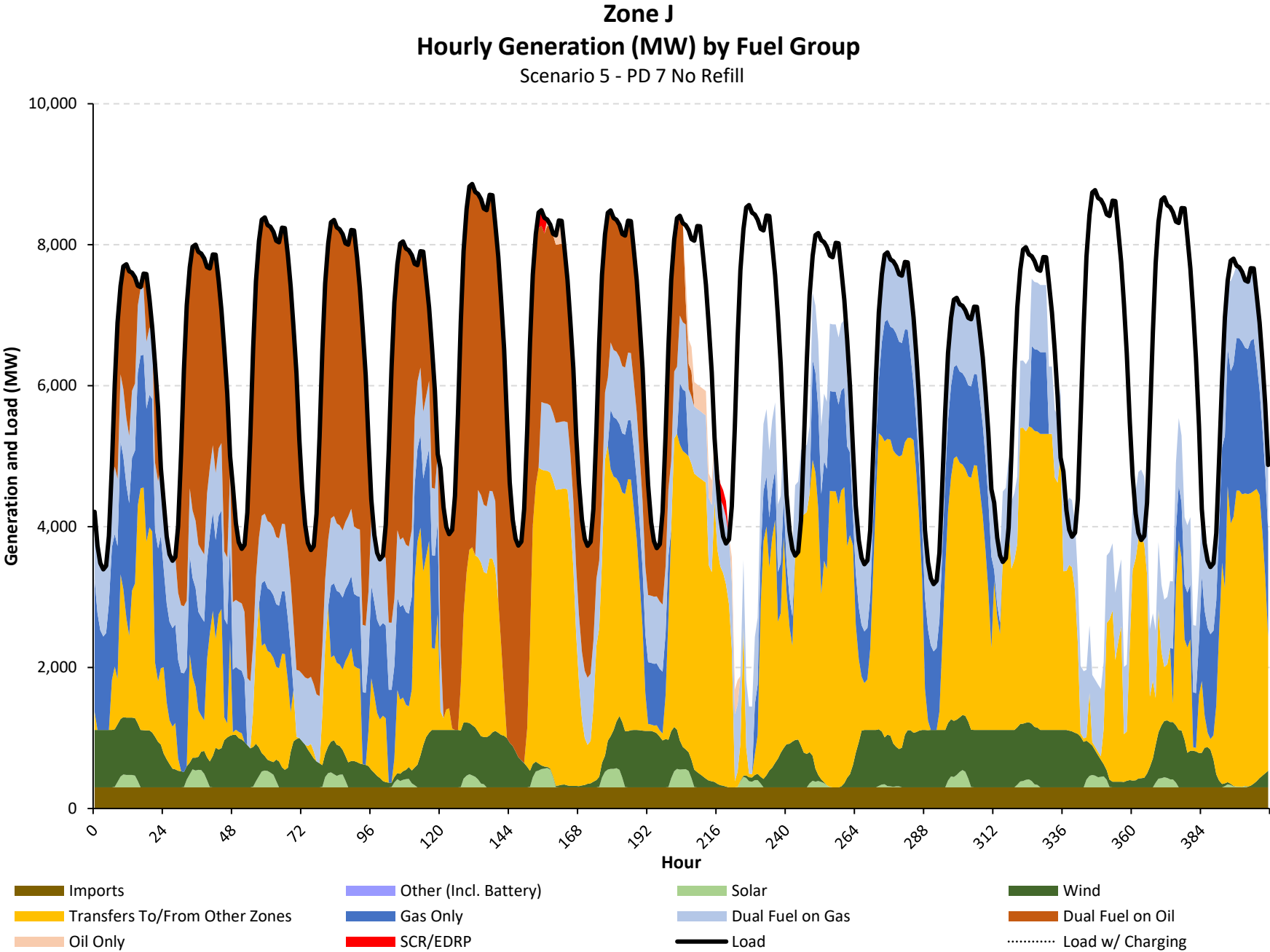
Full Period Results Summary

Case Name: Scenario 5 - PD 7 No Refill

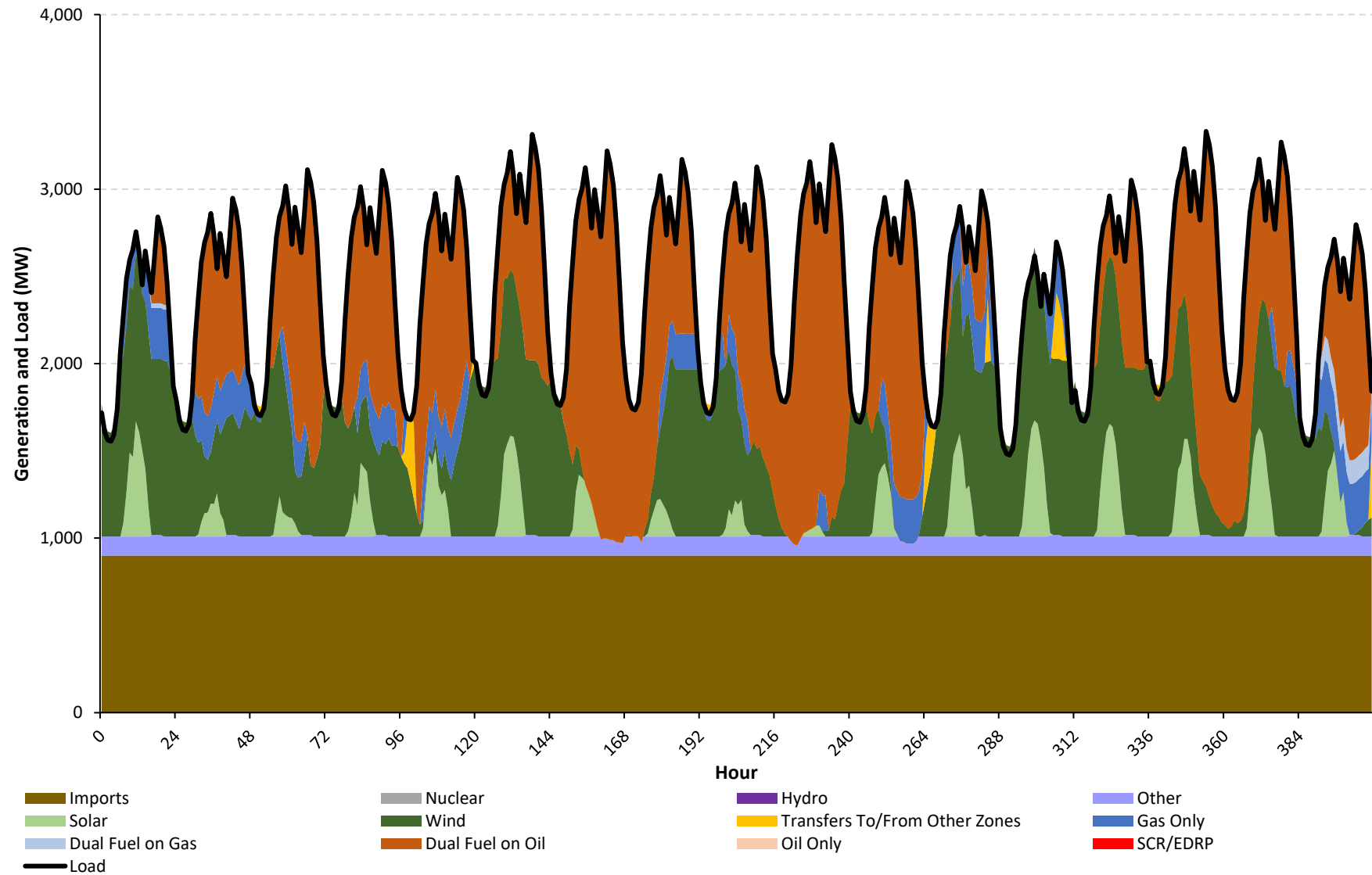
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |





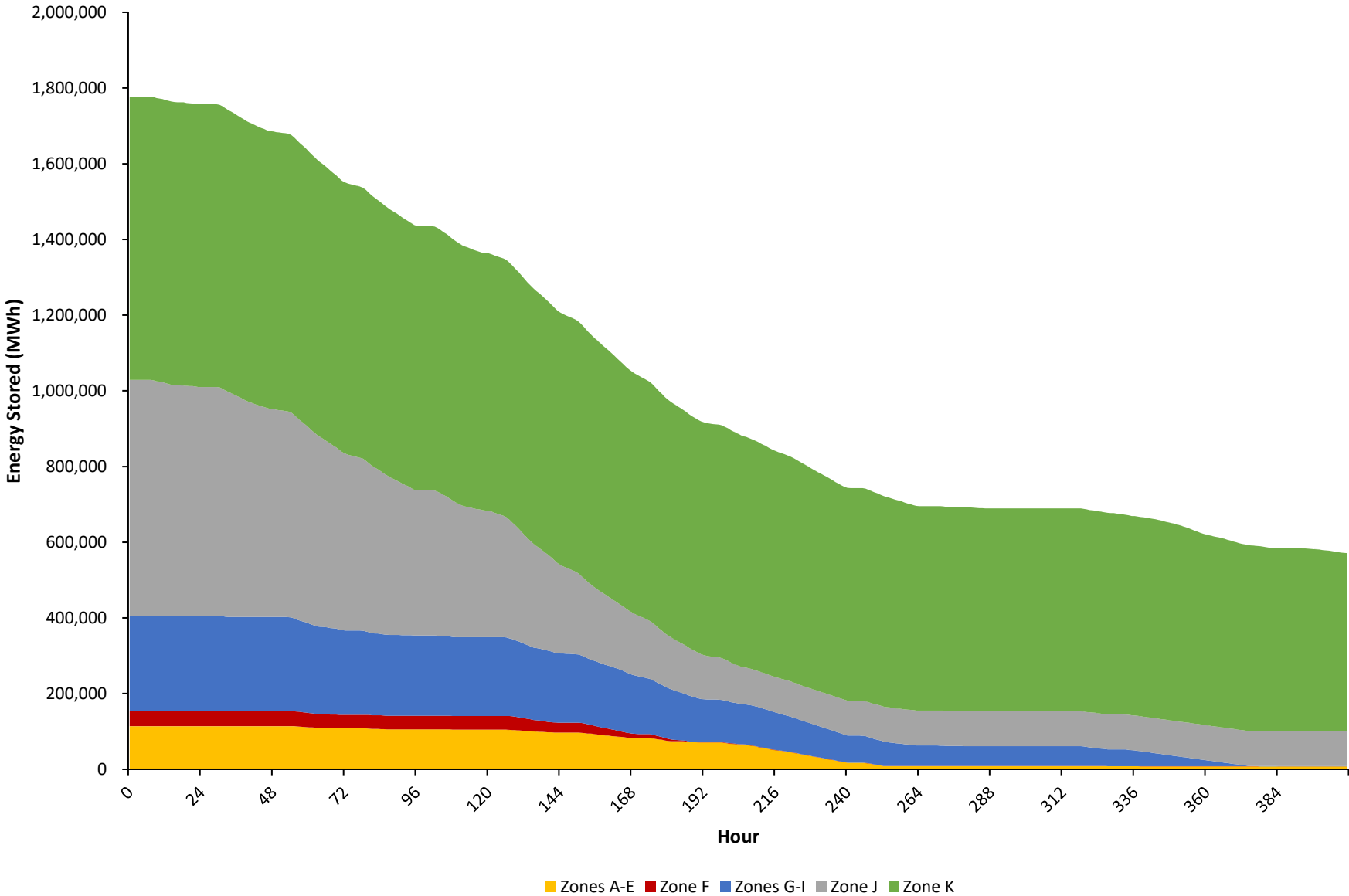


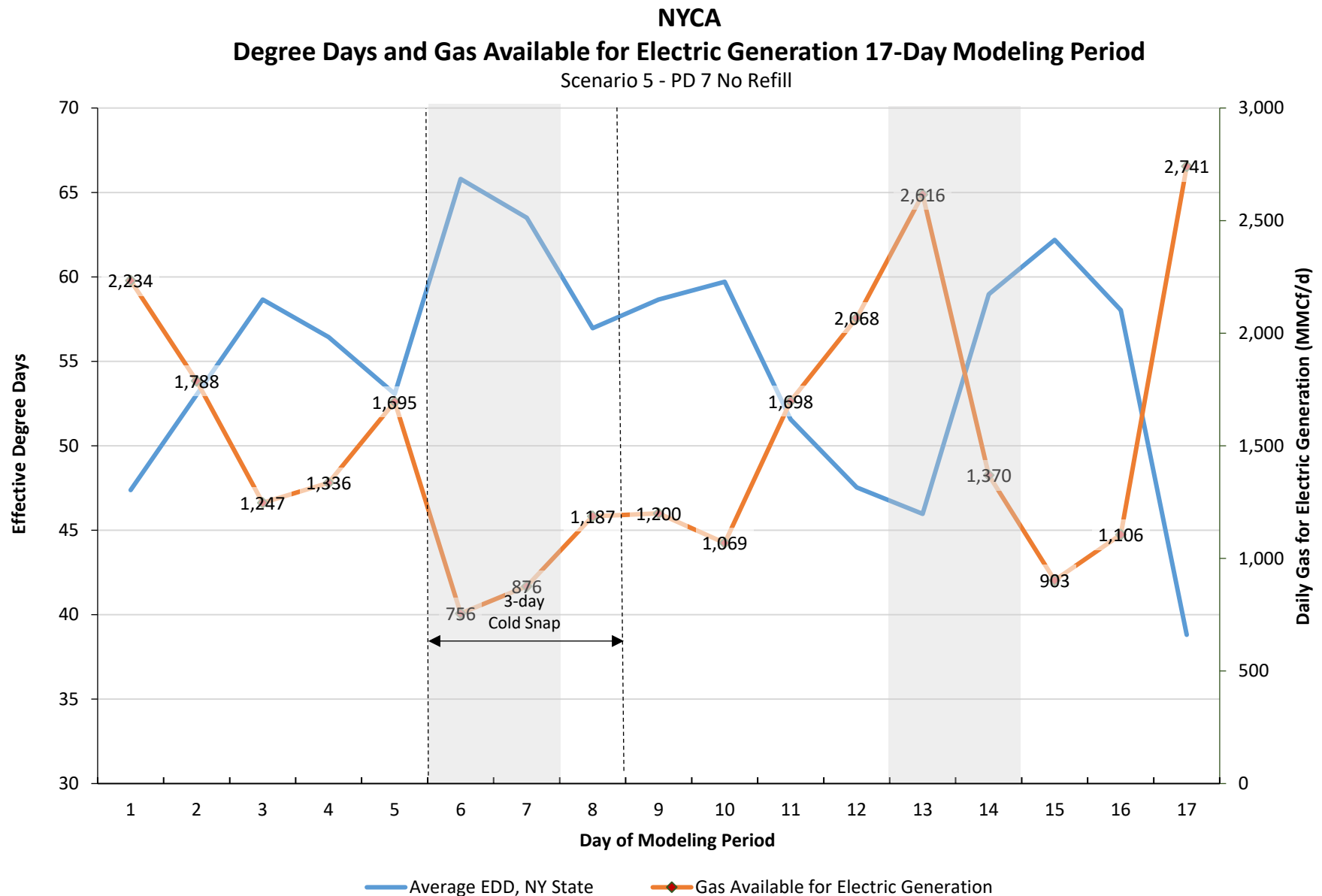
Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 5 - PD 7 No Refill





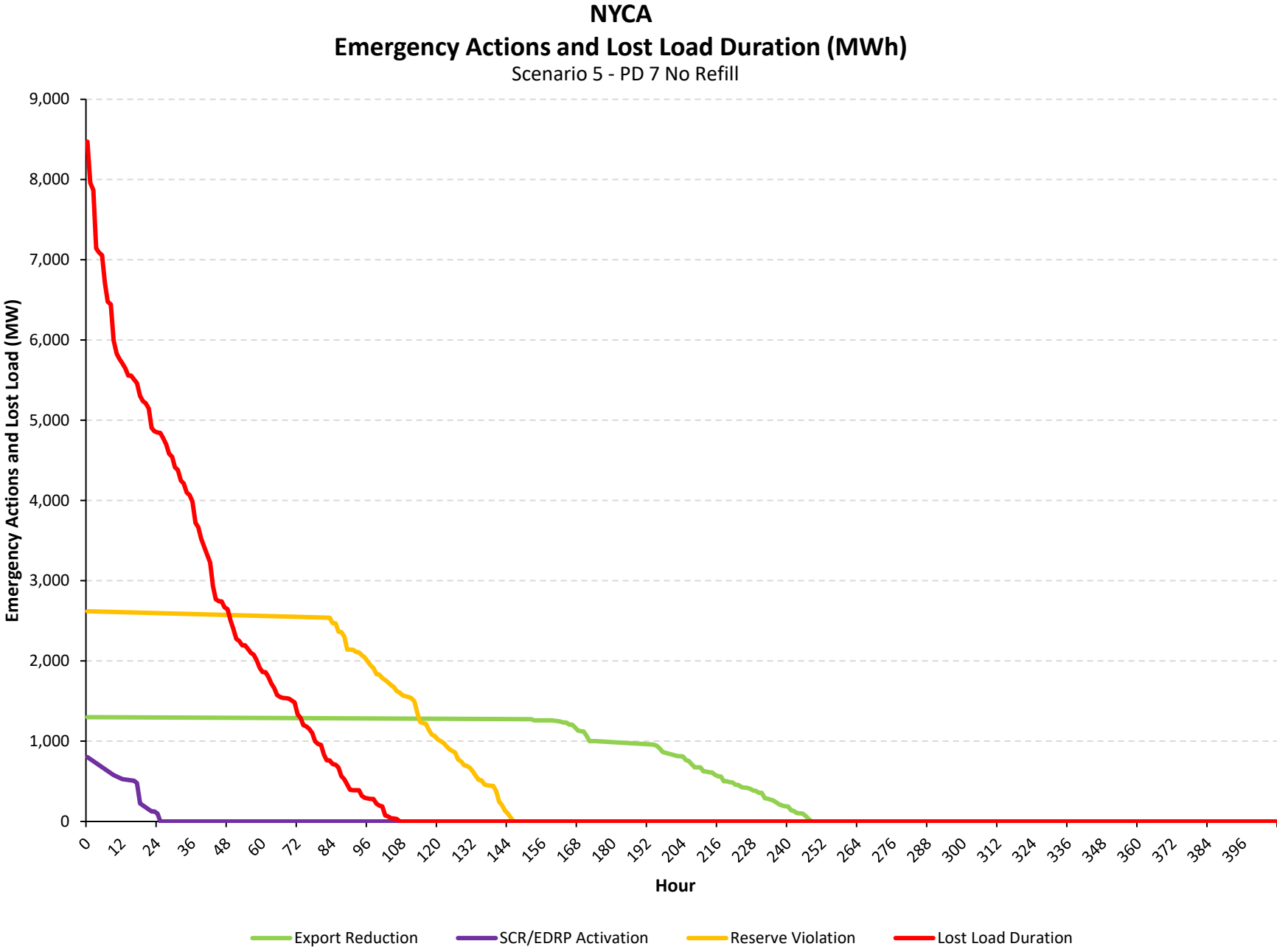
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 5 - PD 7 No Refill

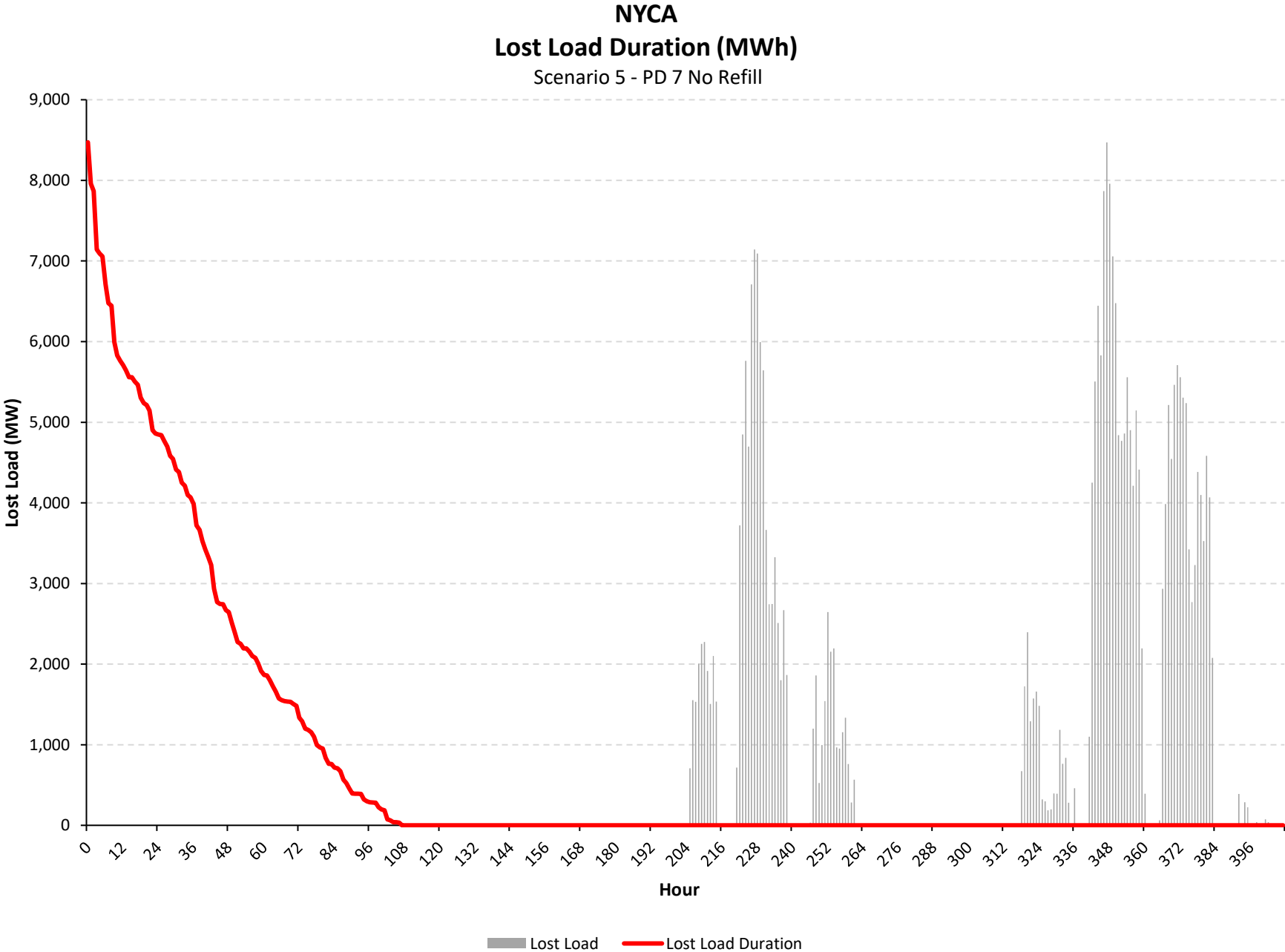




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



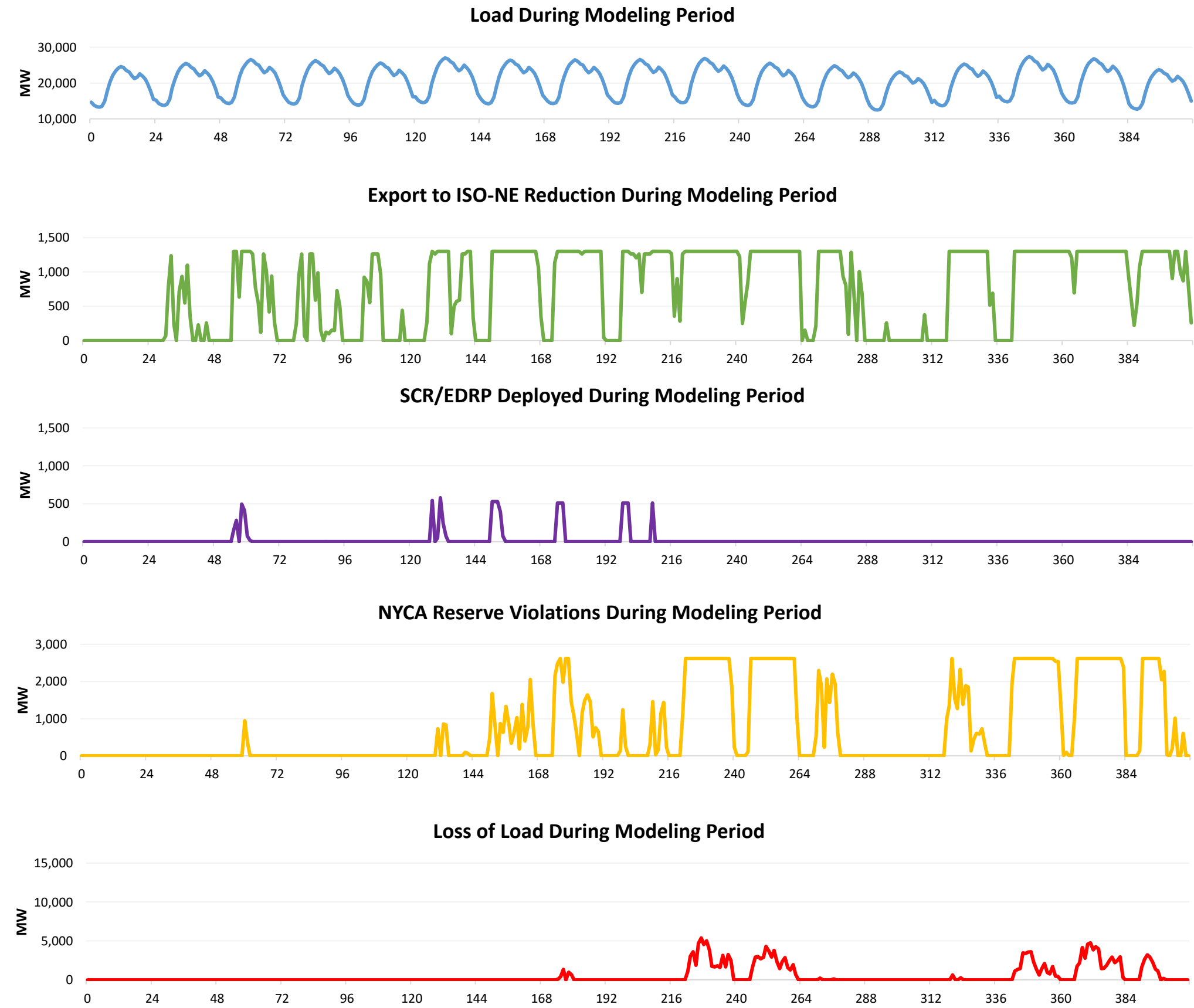


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 275     |
| Total MWh         | 300,217 |
| Avg. MW           | 735.8   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 23    |
| Total MWh      | 8,528 |
| Avg. MW        | 20.9  |

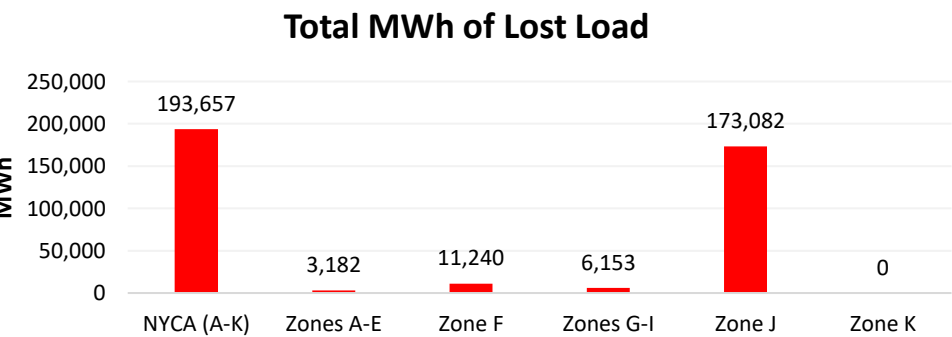
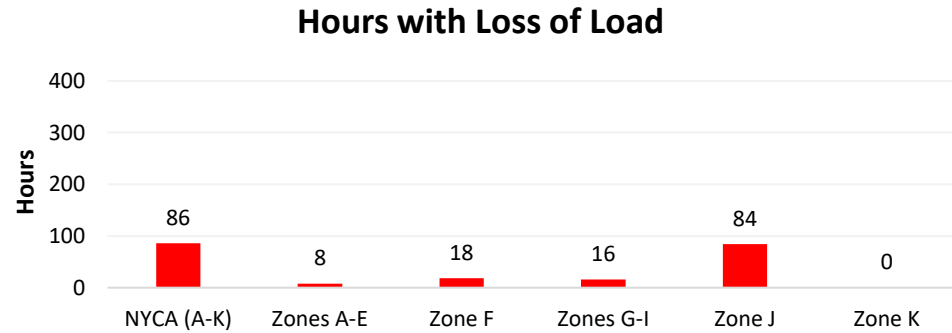
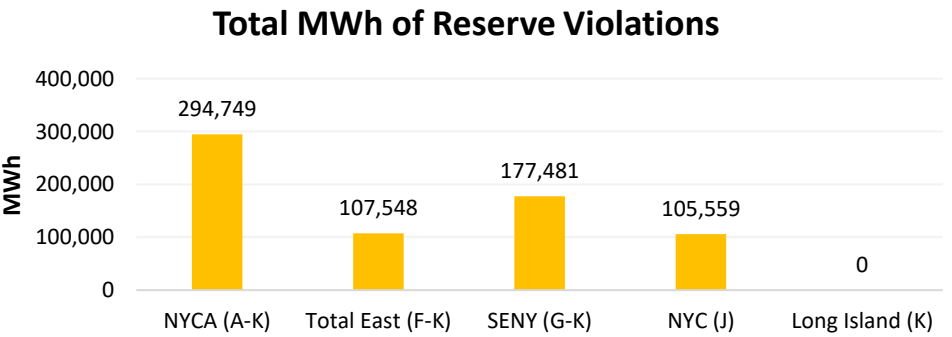
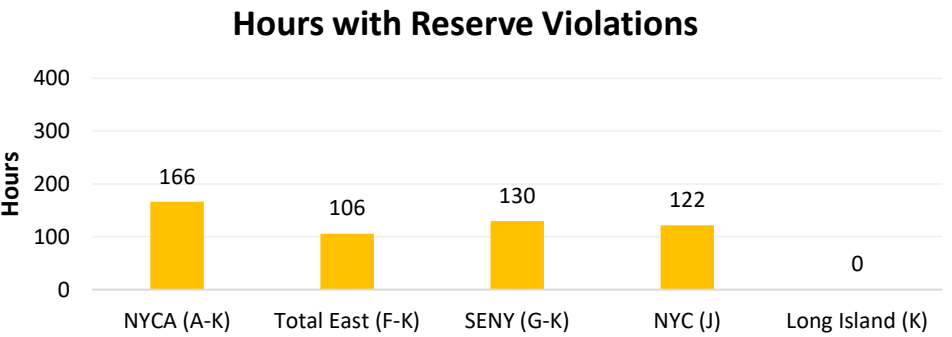
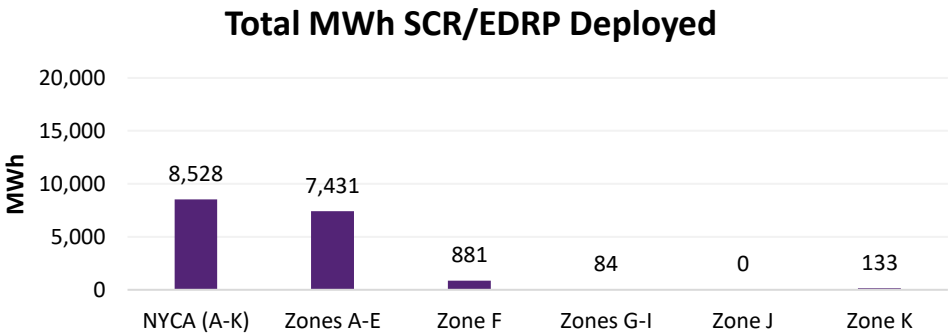
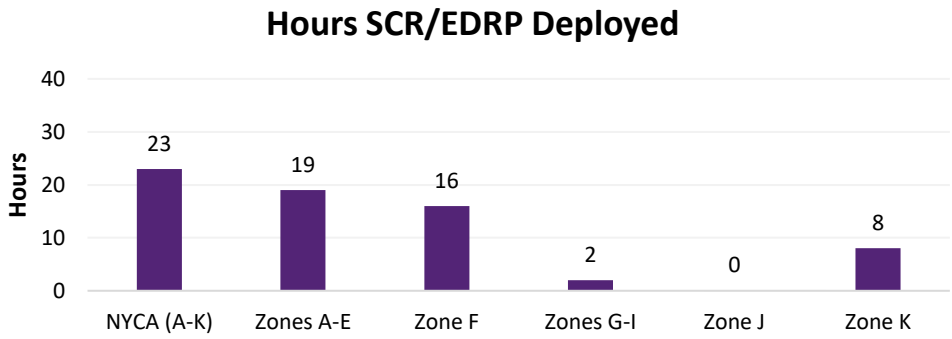
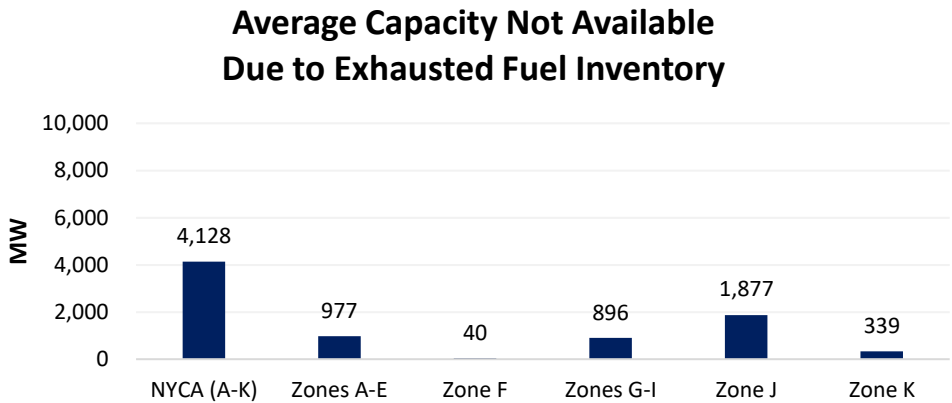
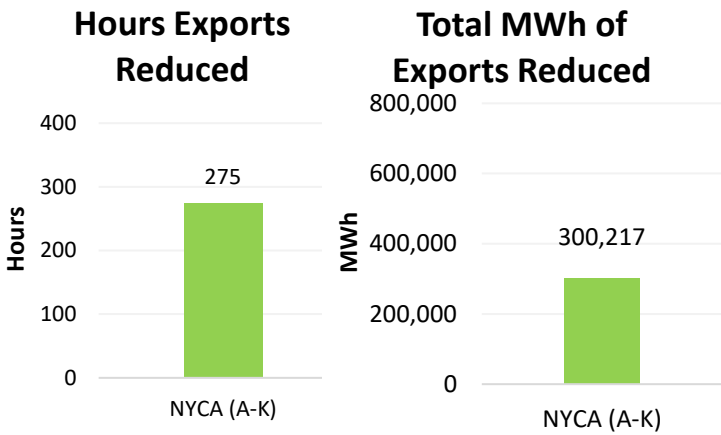
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 166     |
| Total MWh             | 294,749 |
| Avg. MW               | 722.4   |
| First Hour with Viol. | 60      |

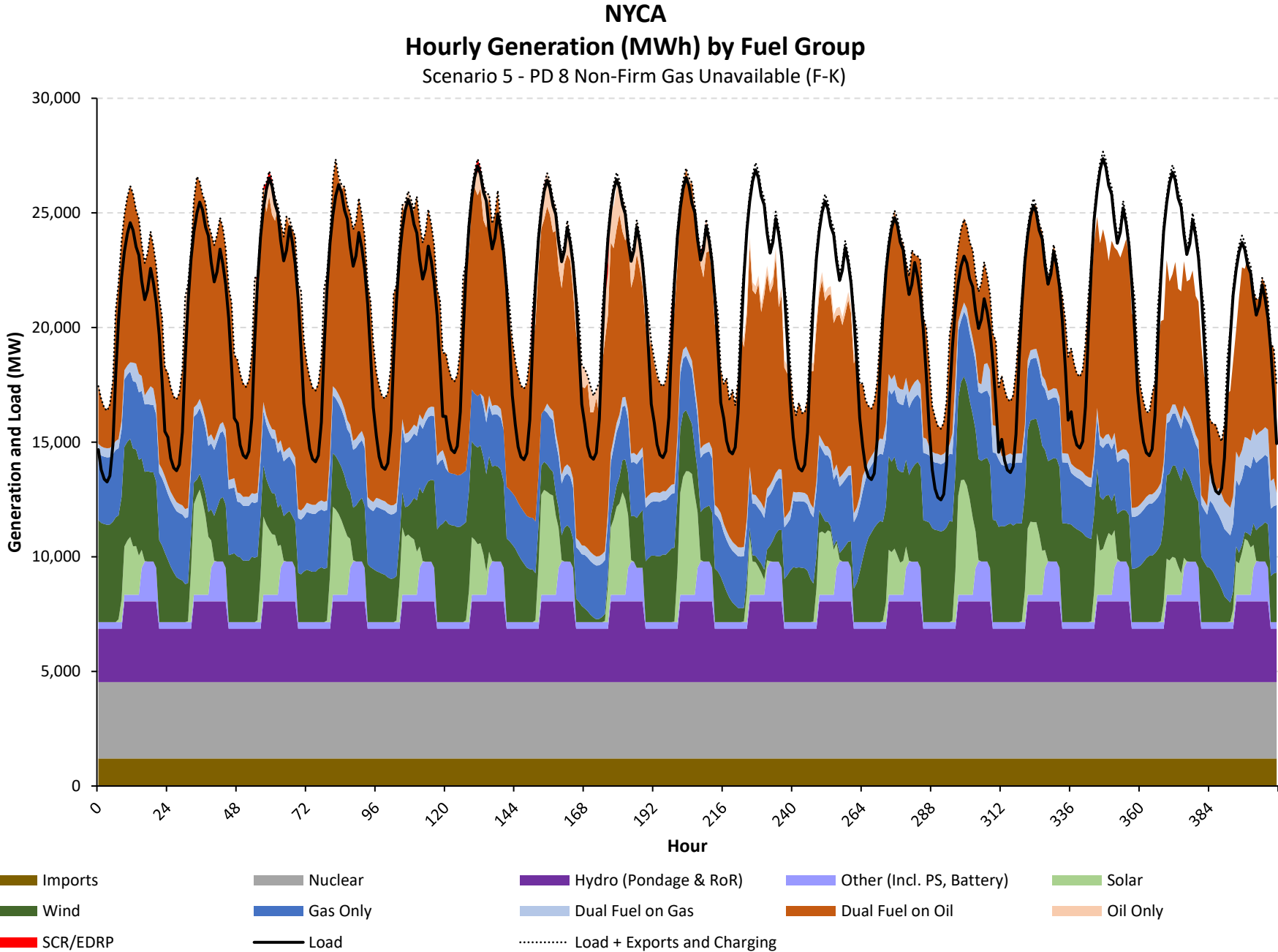
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 86      |
| Total MWh              | 193,657 |
| Avg. MW                | 474.6   |
| First Hour with Losses | 174     |

Full Period Results Summary

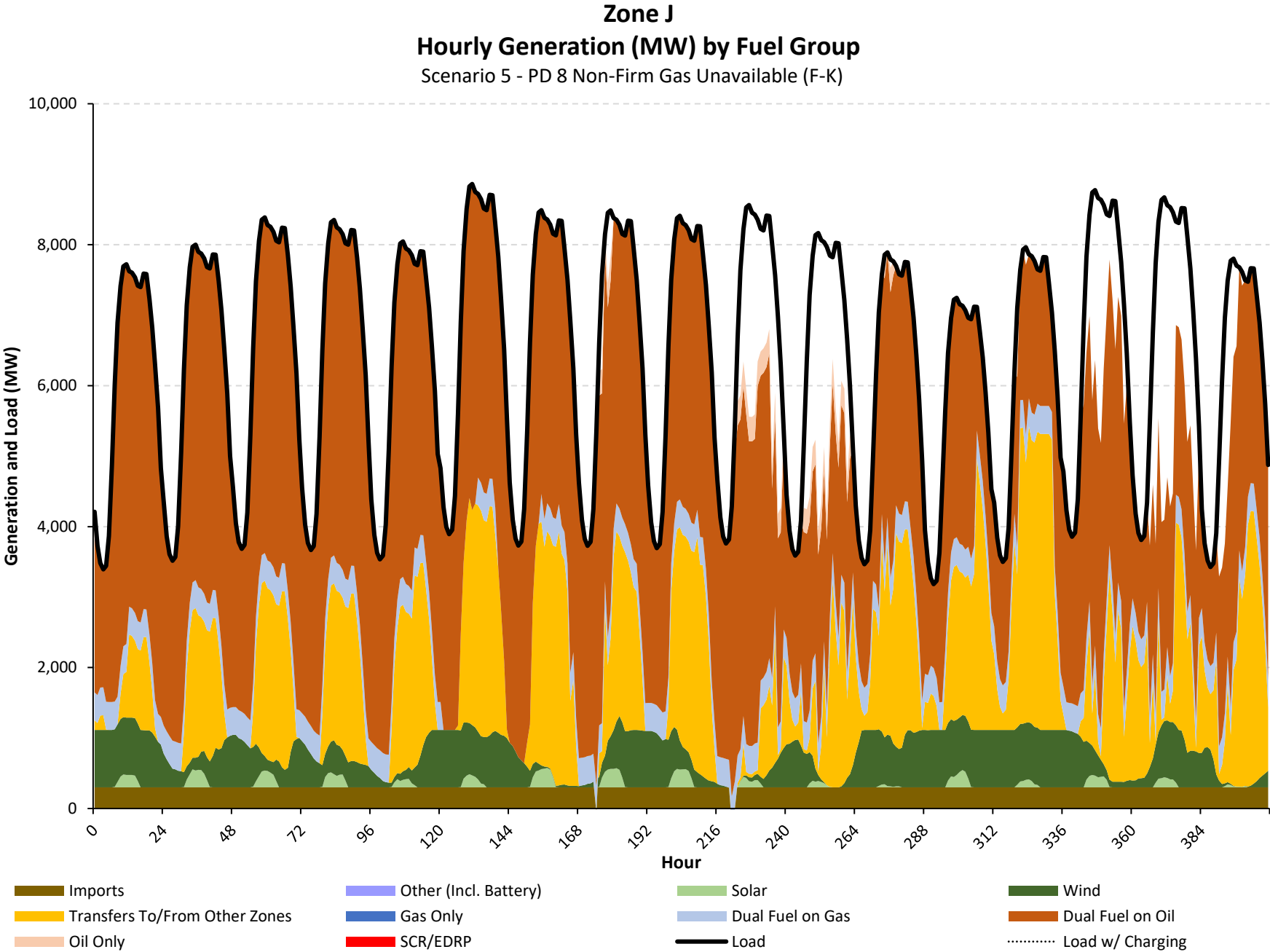
Case Name: Scenario 5 - PD 8 Non-Firm Gas Unavailable (F-K)

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

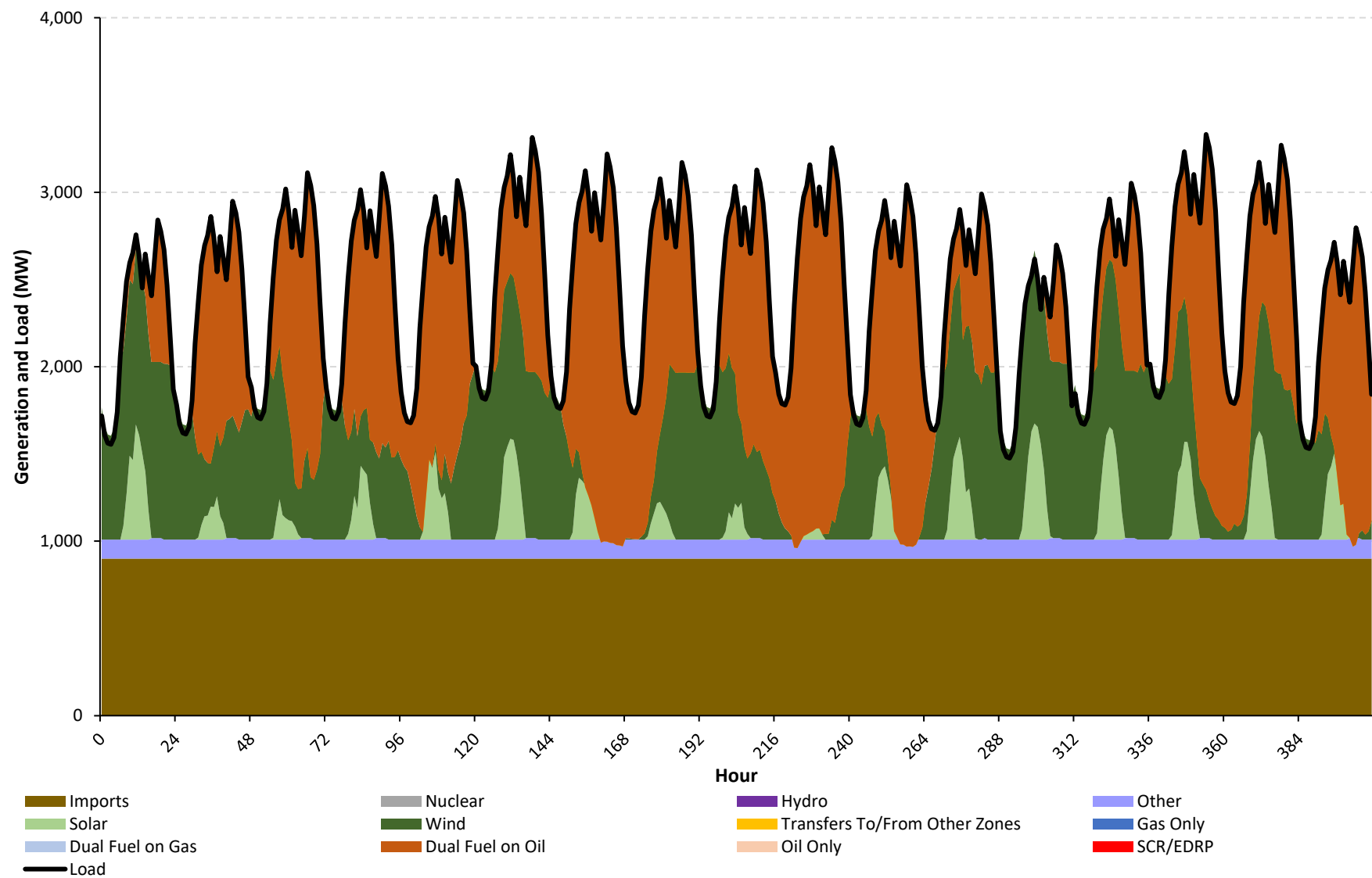


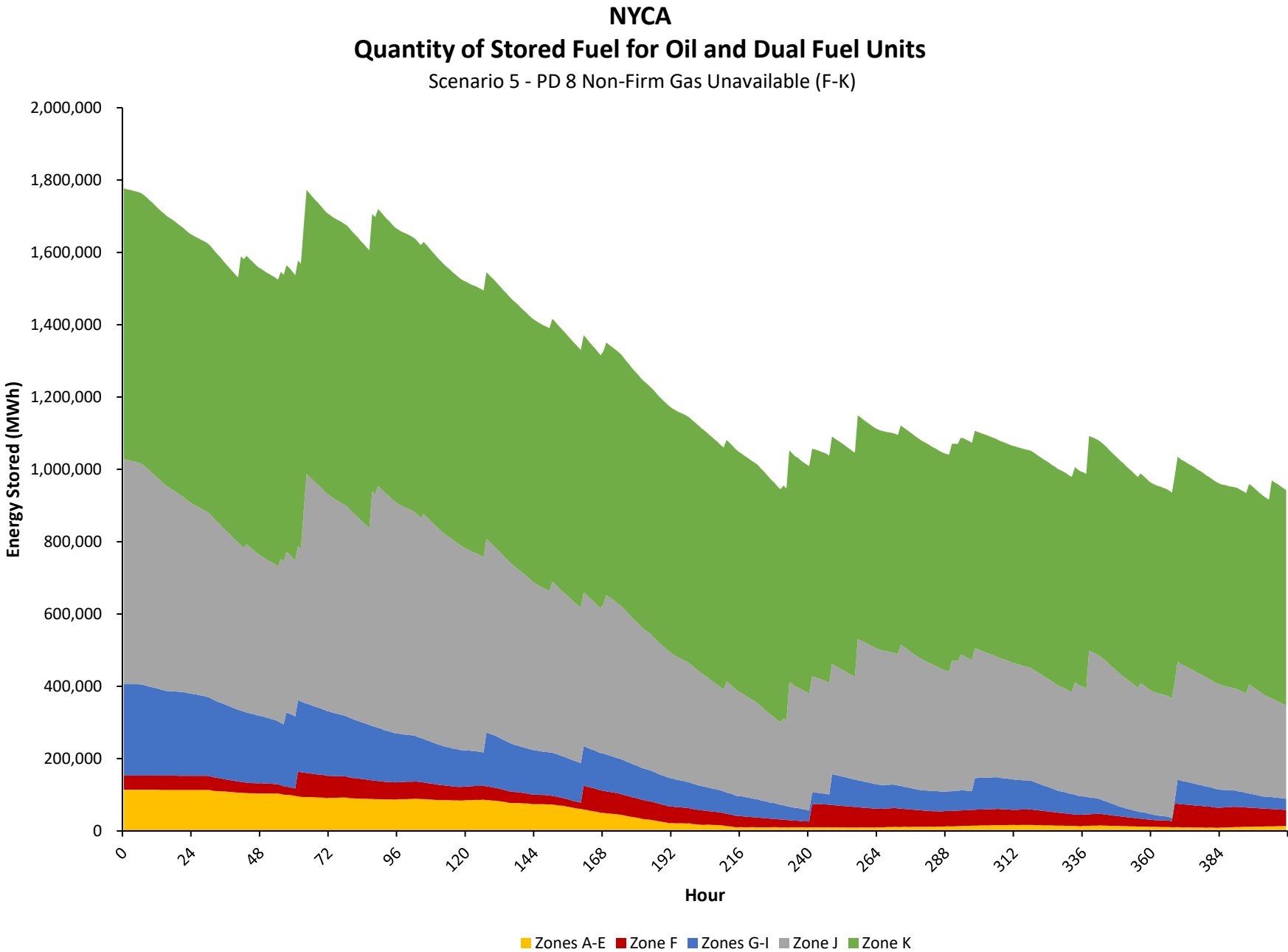


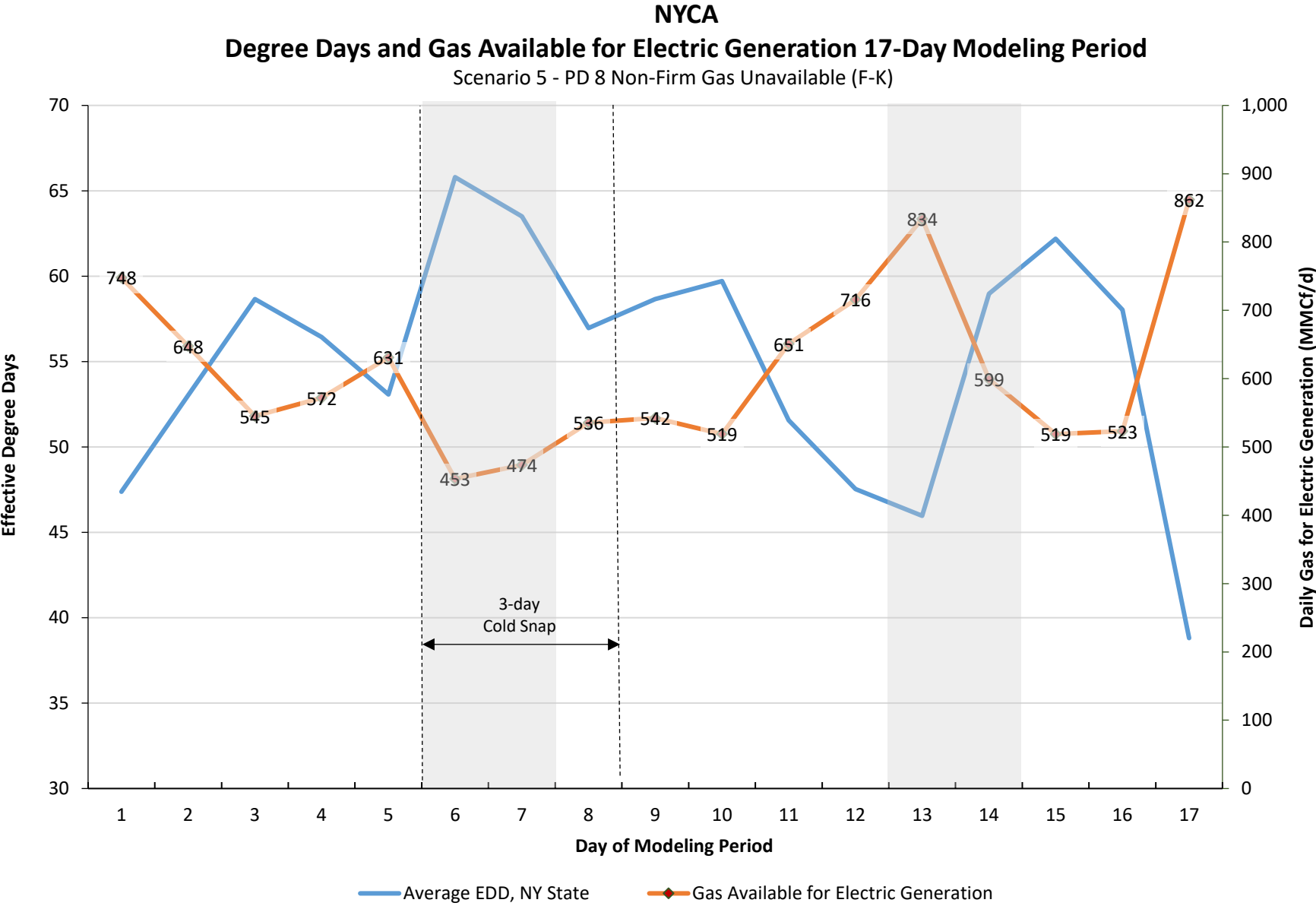




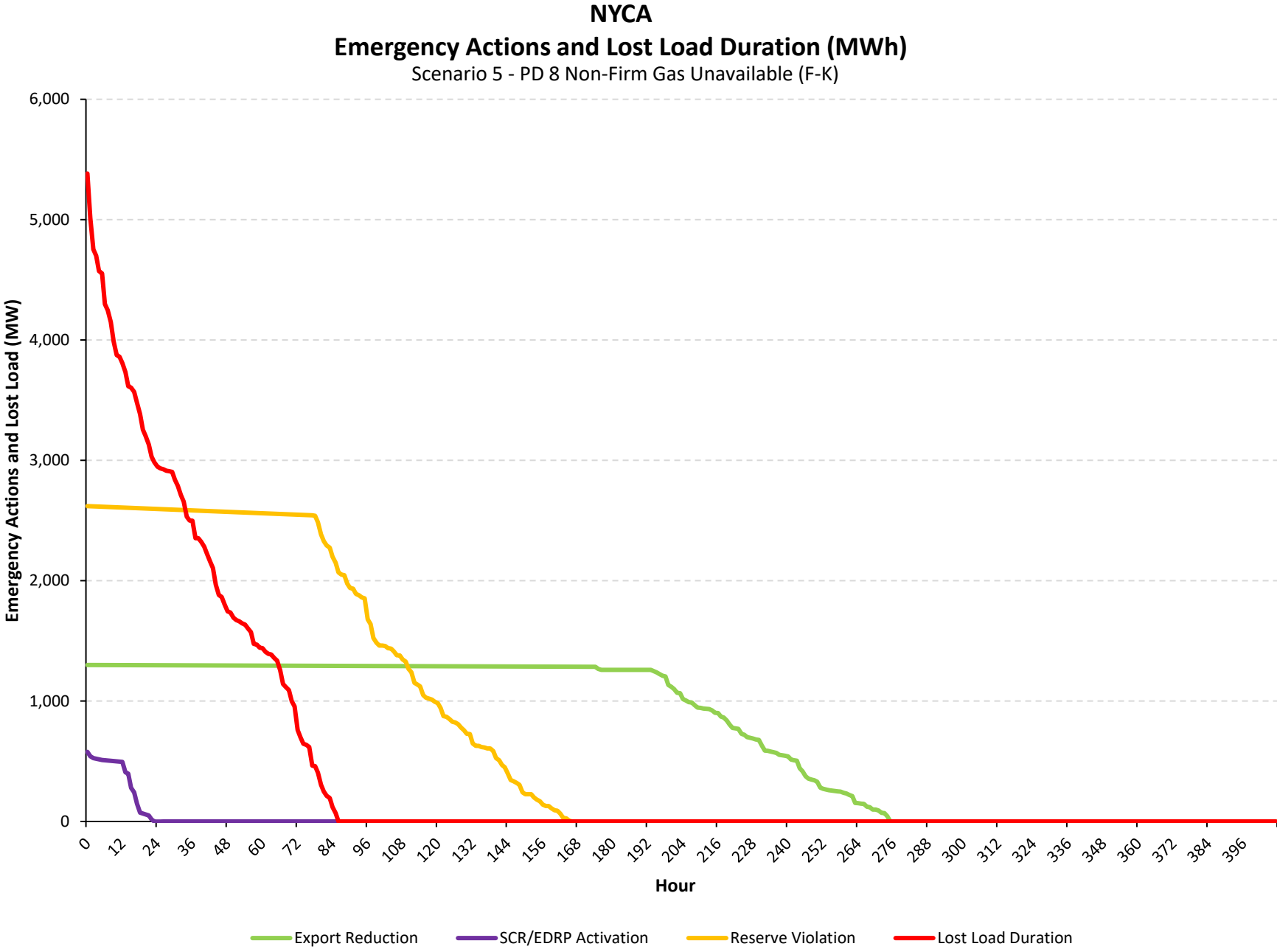
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 8 Non-Firm Gas Unavailable (F-K)

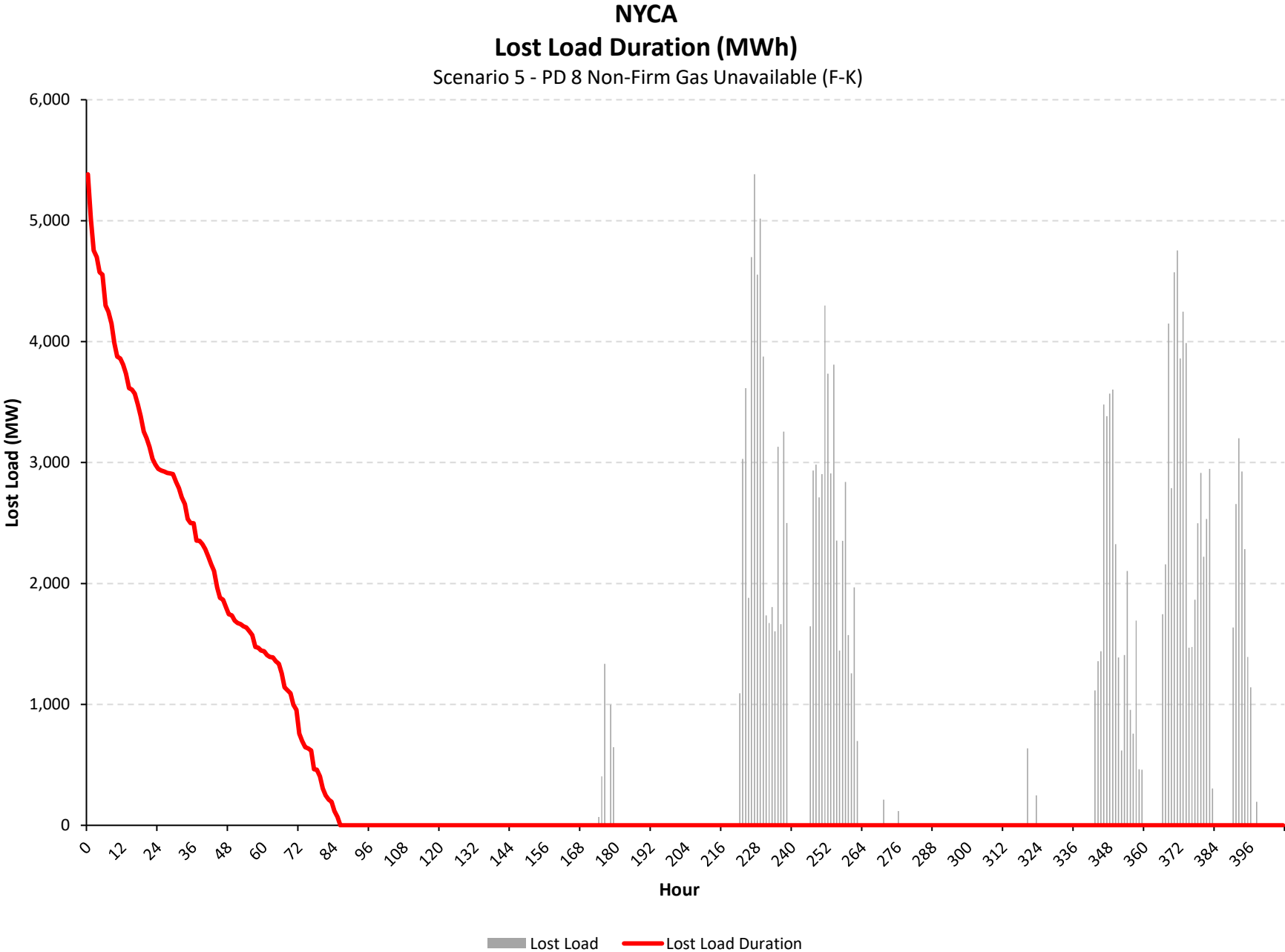






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



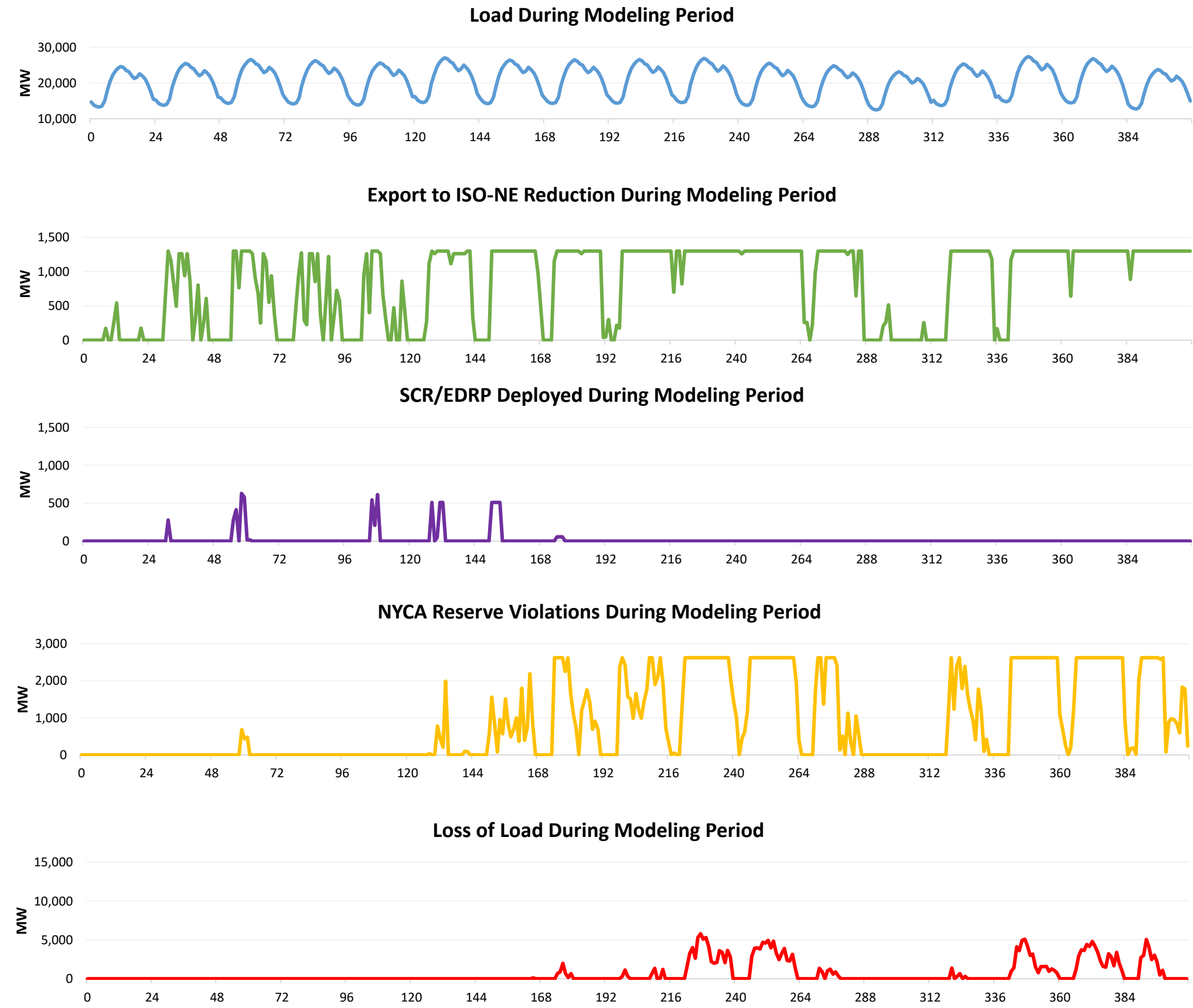


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 299     |
| Total MWh         | 337,596 |
| Avg. MW           | 827.4   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 21    |
| Total MWh      | 7,363 |
| Avg. MW        | 18.0  |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 201     |
| Total MWh             | 359,724 |
| Avg. MW               | 881.7   |
| First Hour with Viol. | 59      |

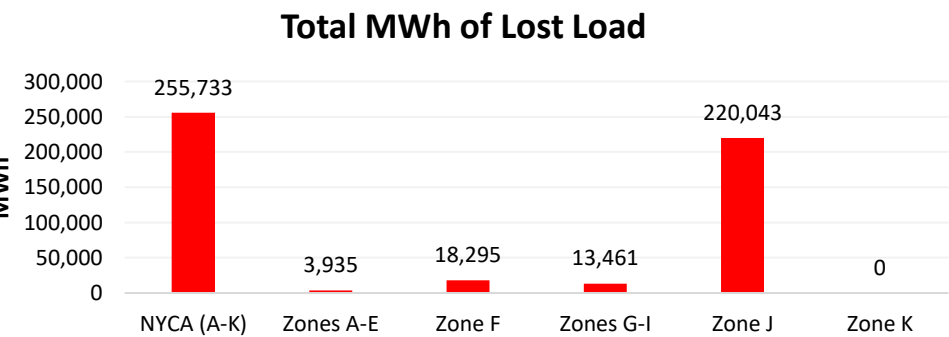
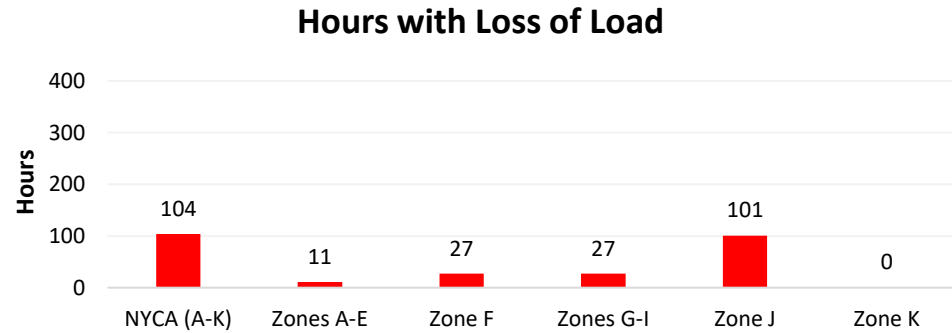
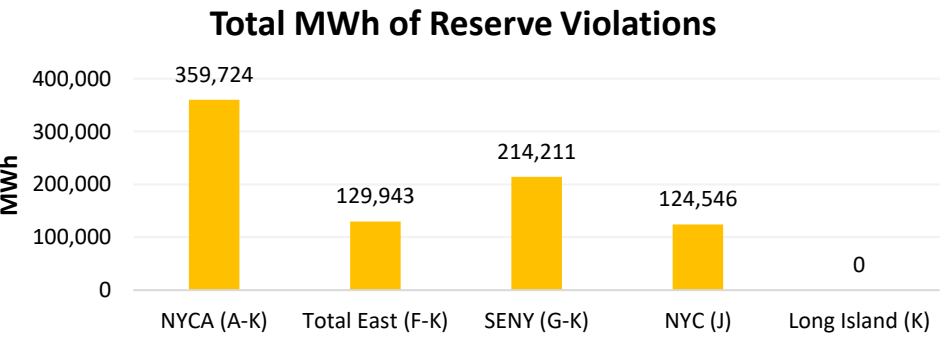
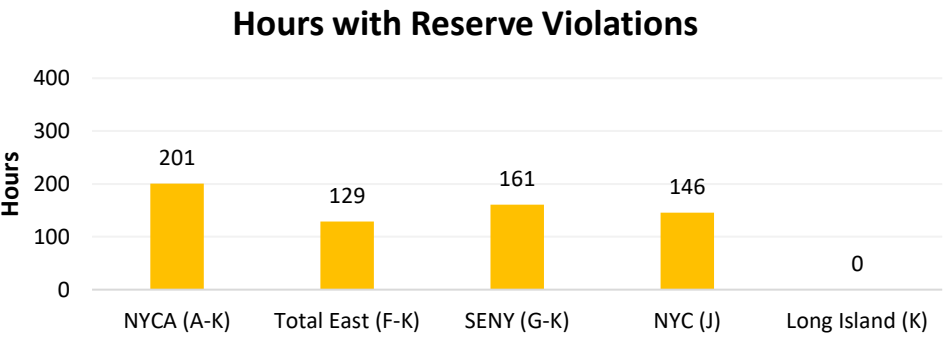
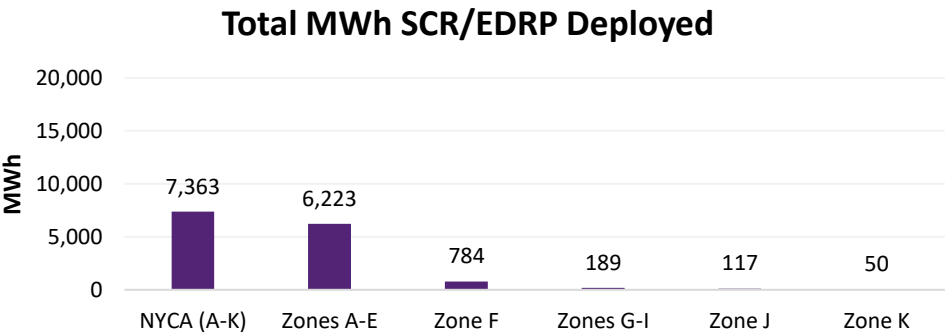
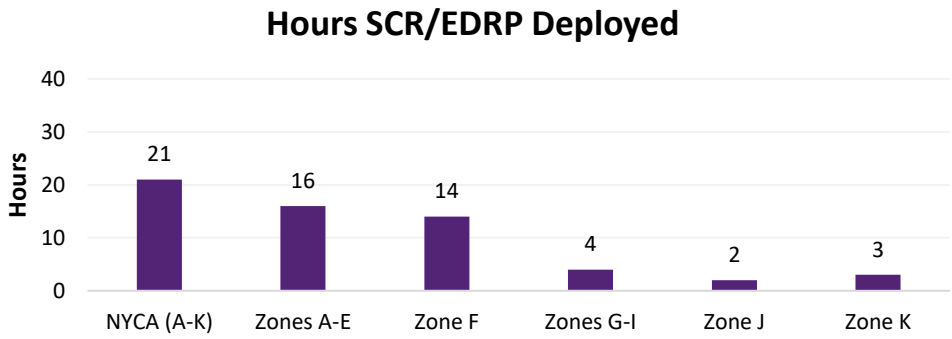
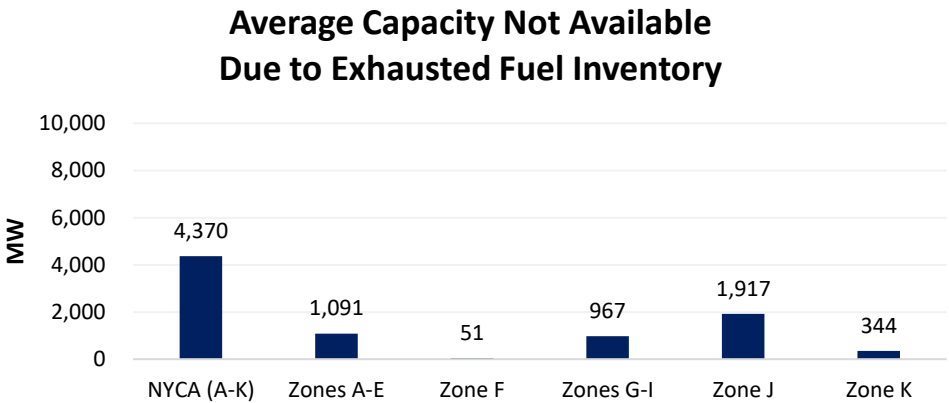
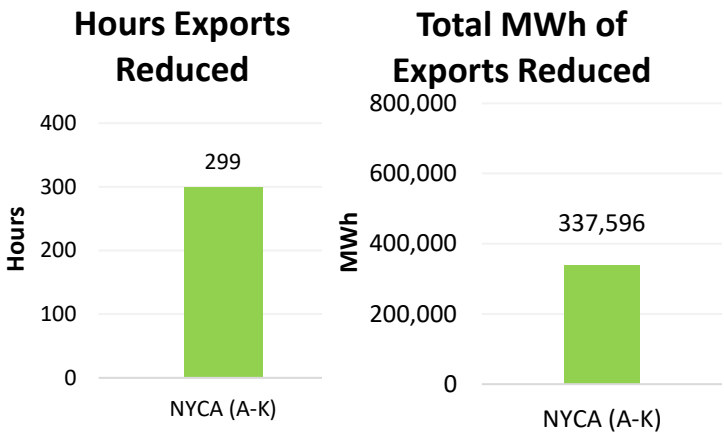
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 104     |
| Total MWh              | 255,733 |
| Avg. MW                | 626.8   |
| First Hour with Losses | 165     |

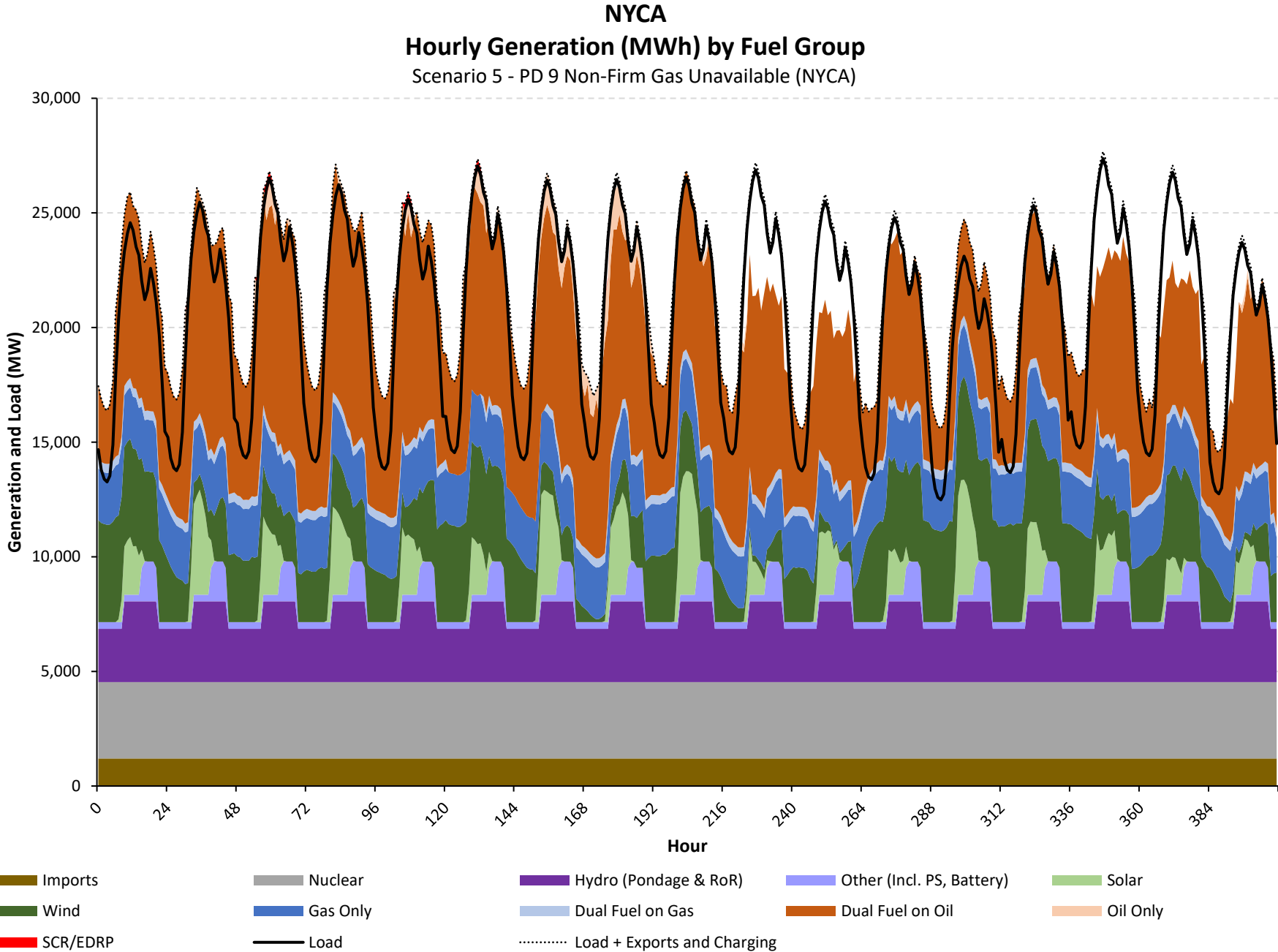


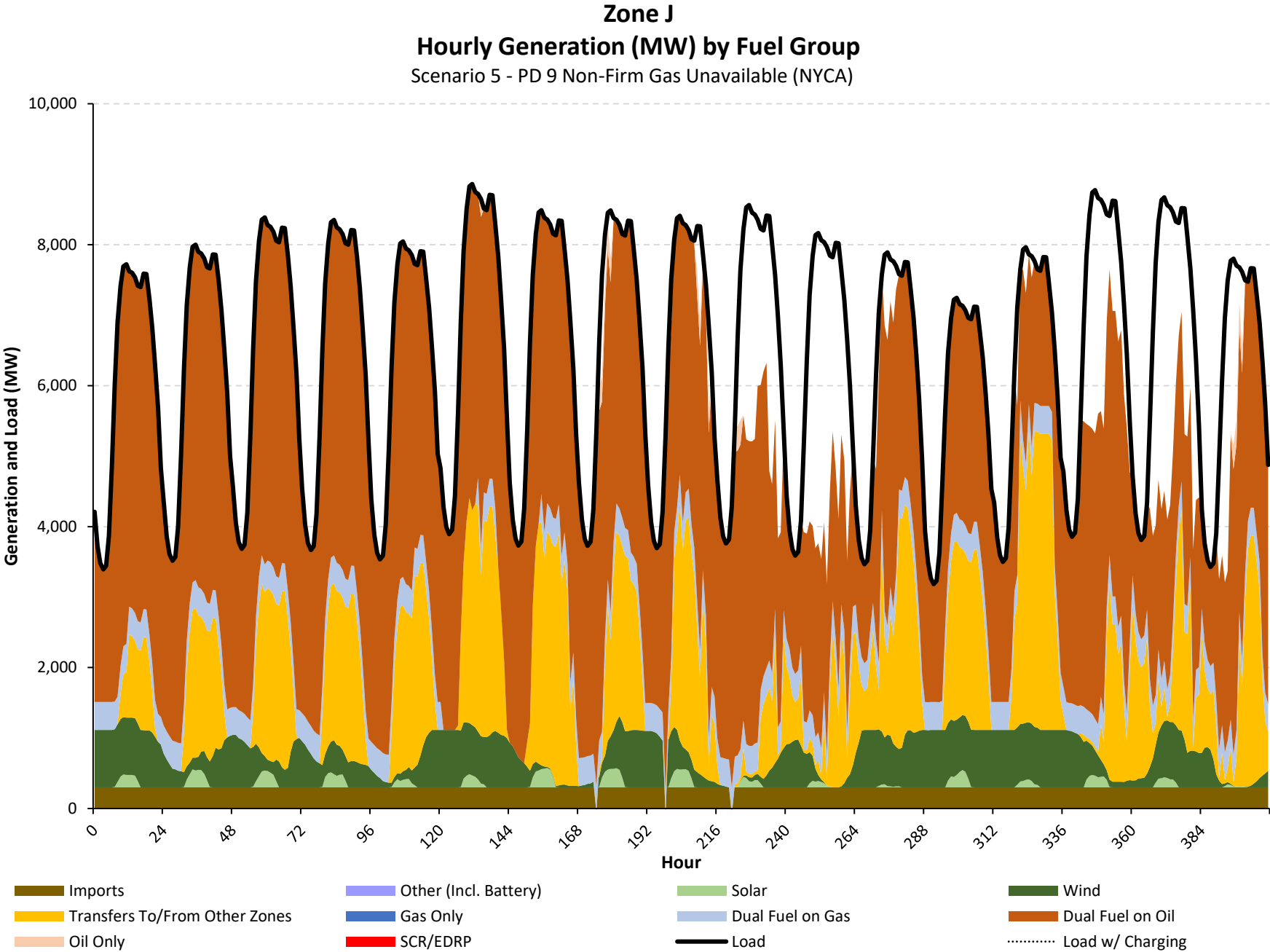
Full Period Results Summary

Case Name: Scenario 5 - PD 9 Non-Firm Gas Unavailable (NYCA)

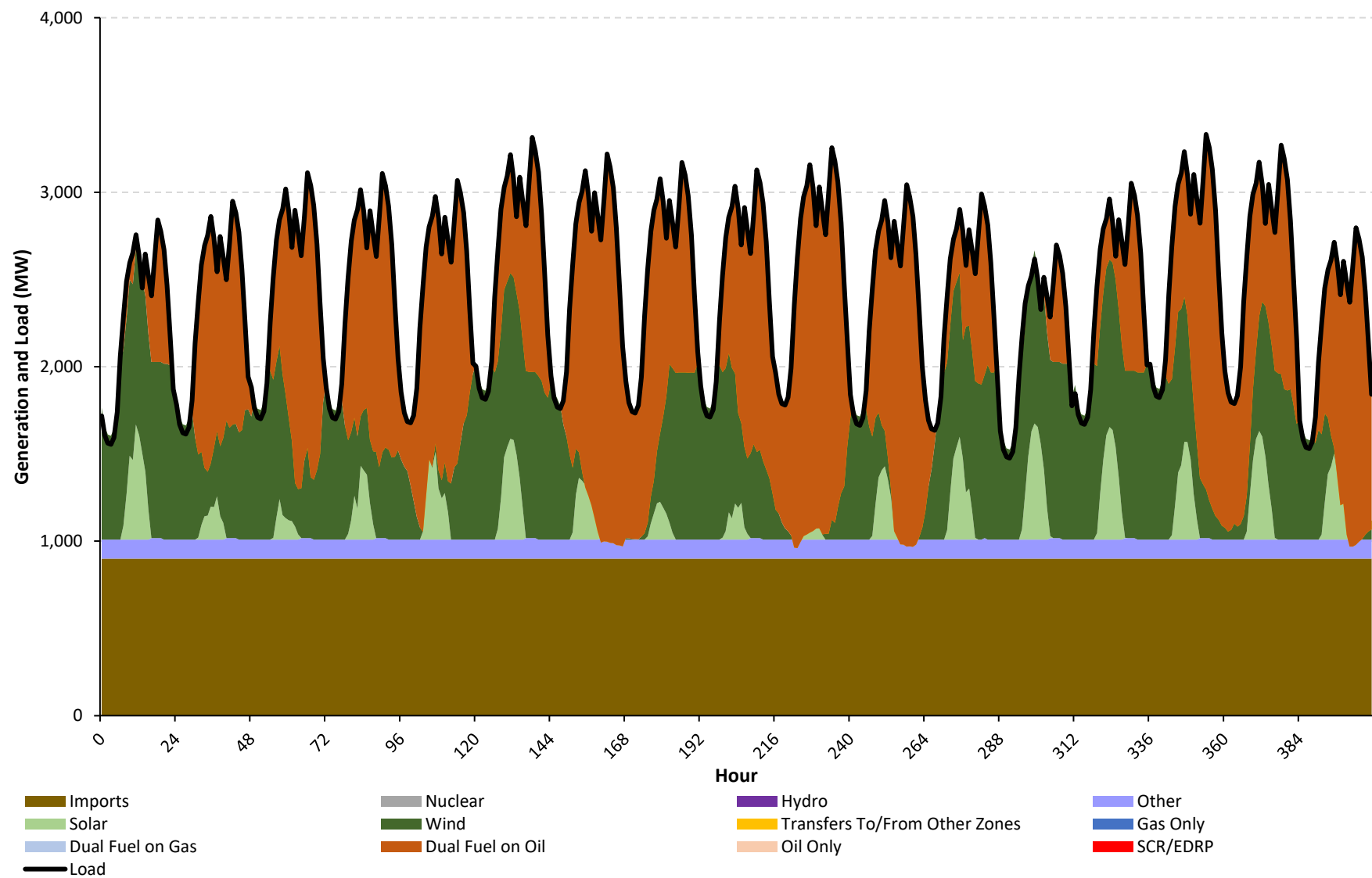
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

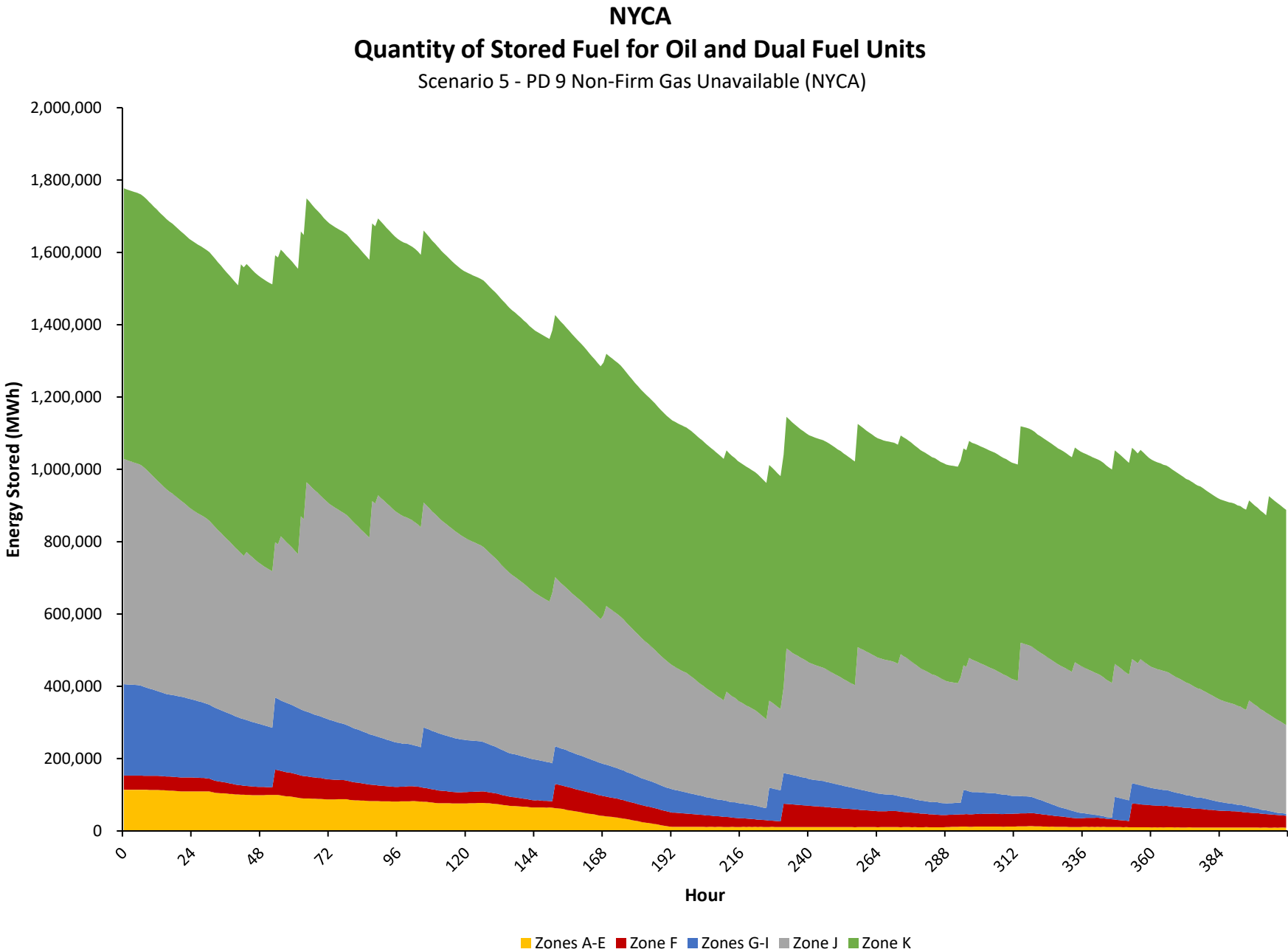


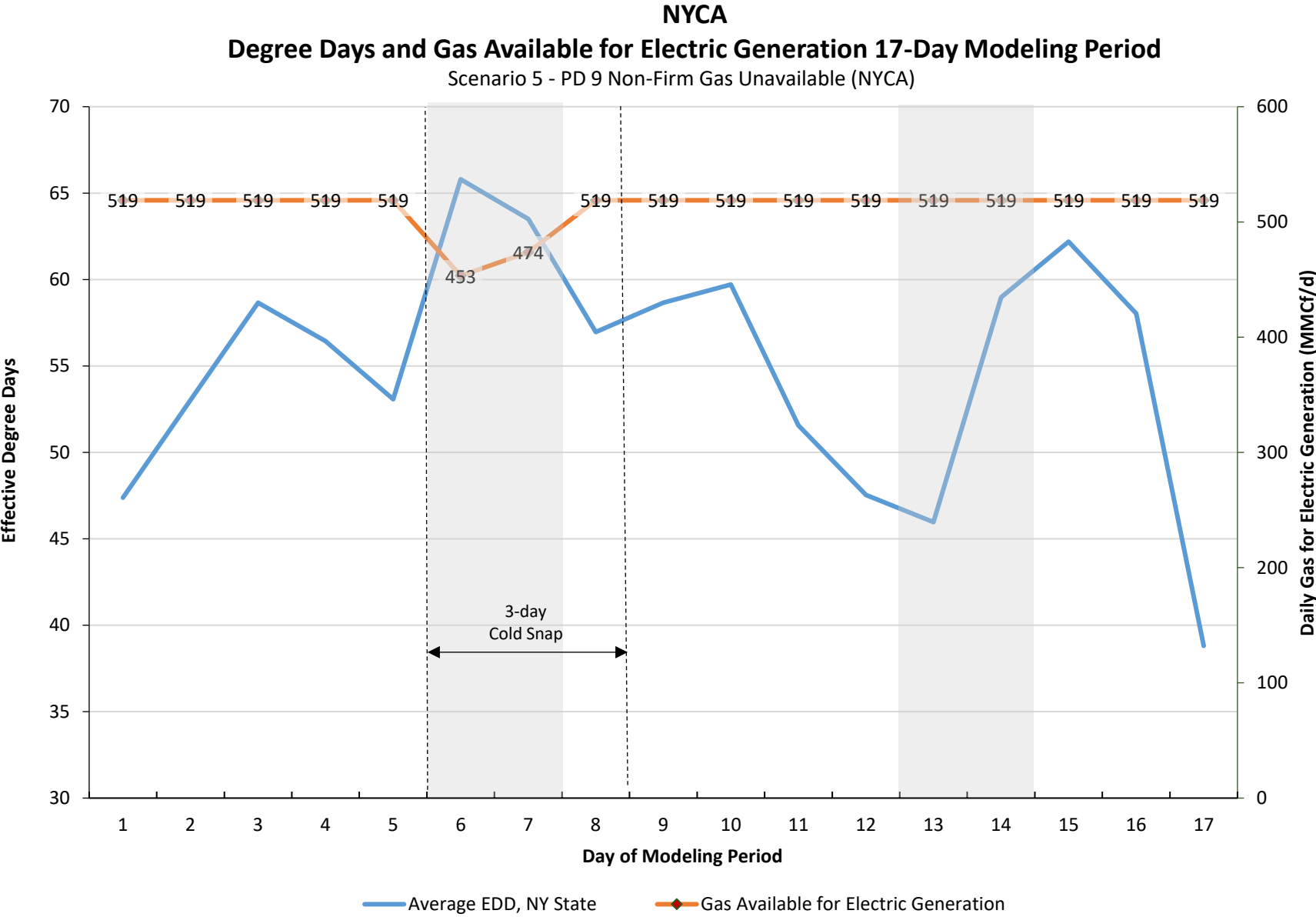




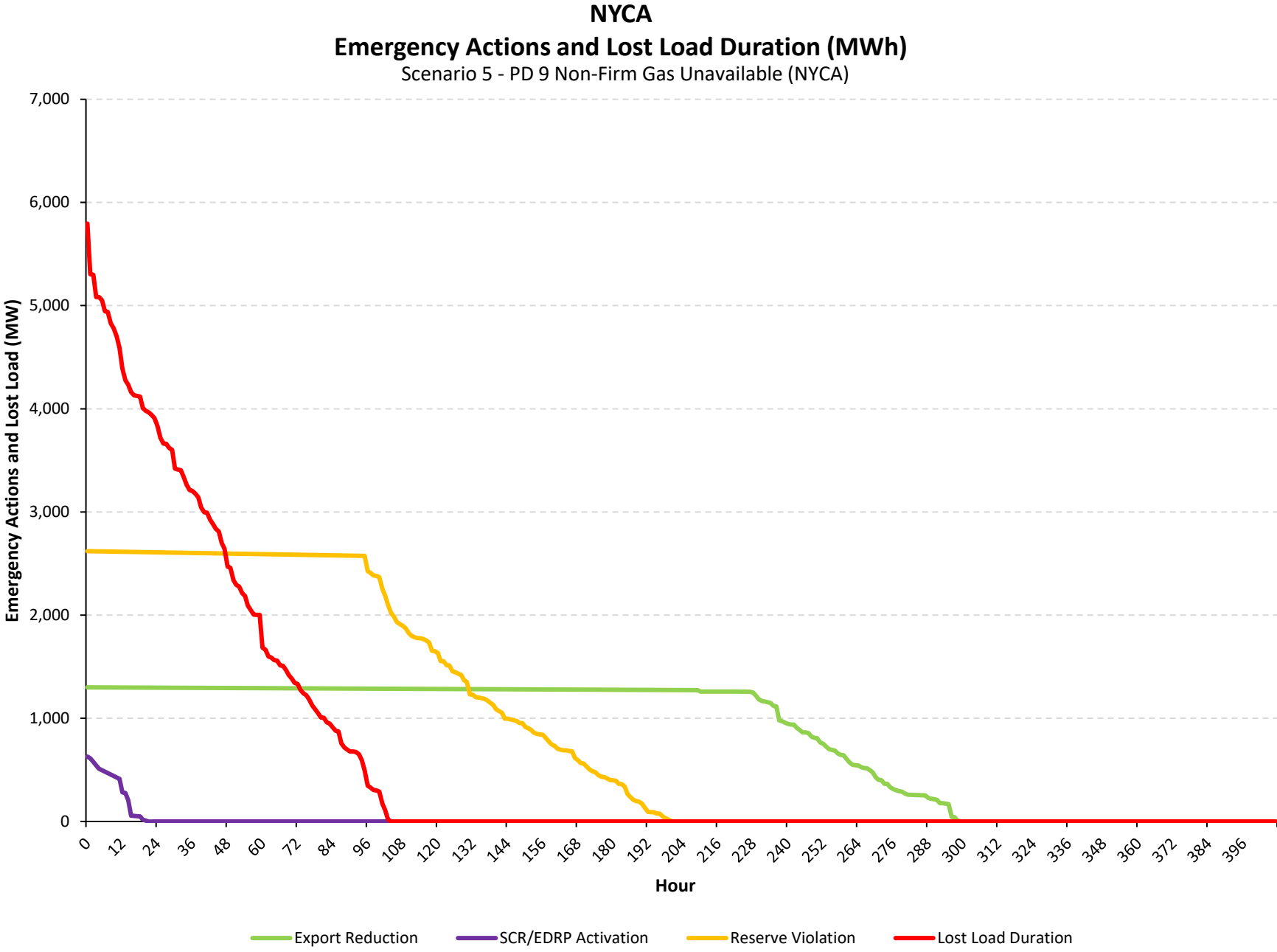
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 9 Non-Firm Gas Unavailable (NYCA)

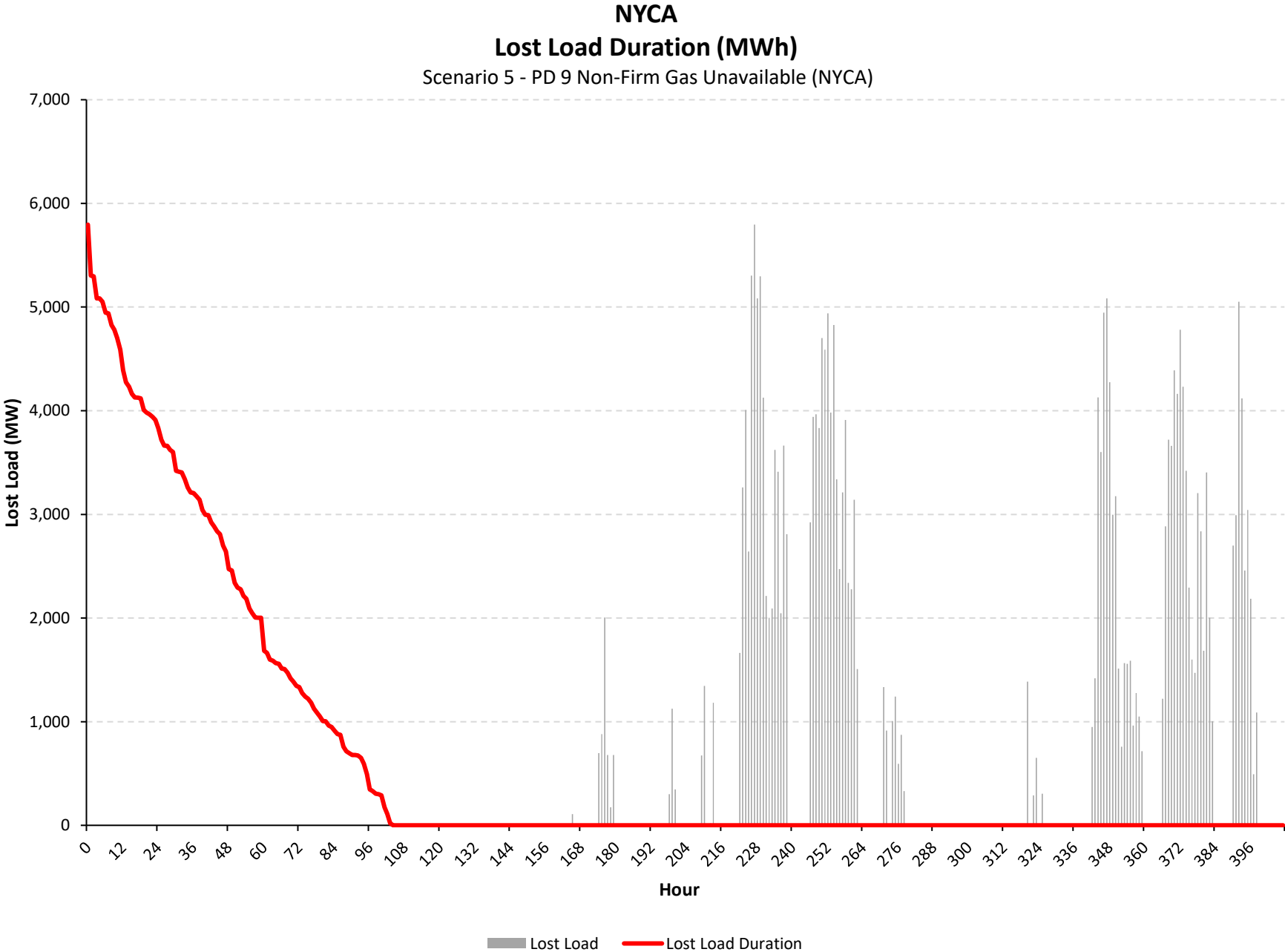






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





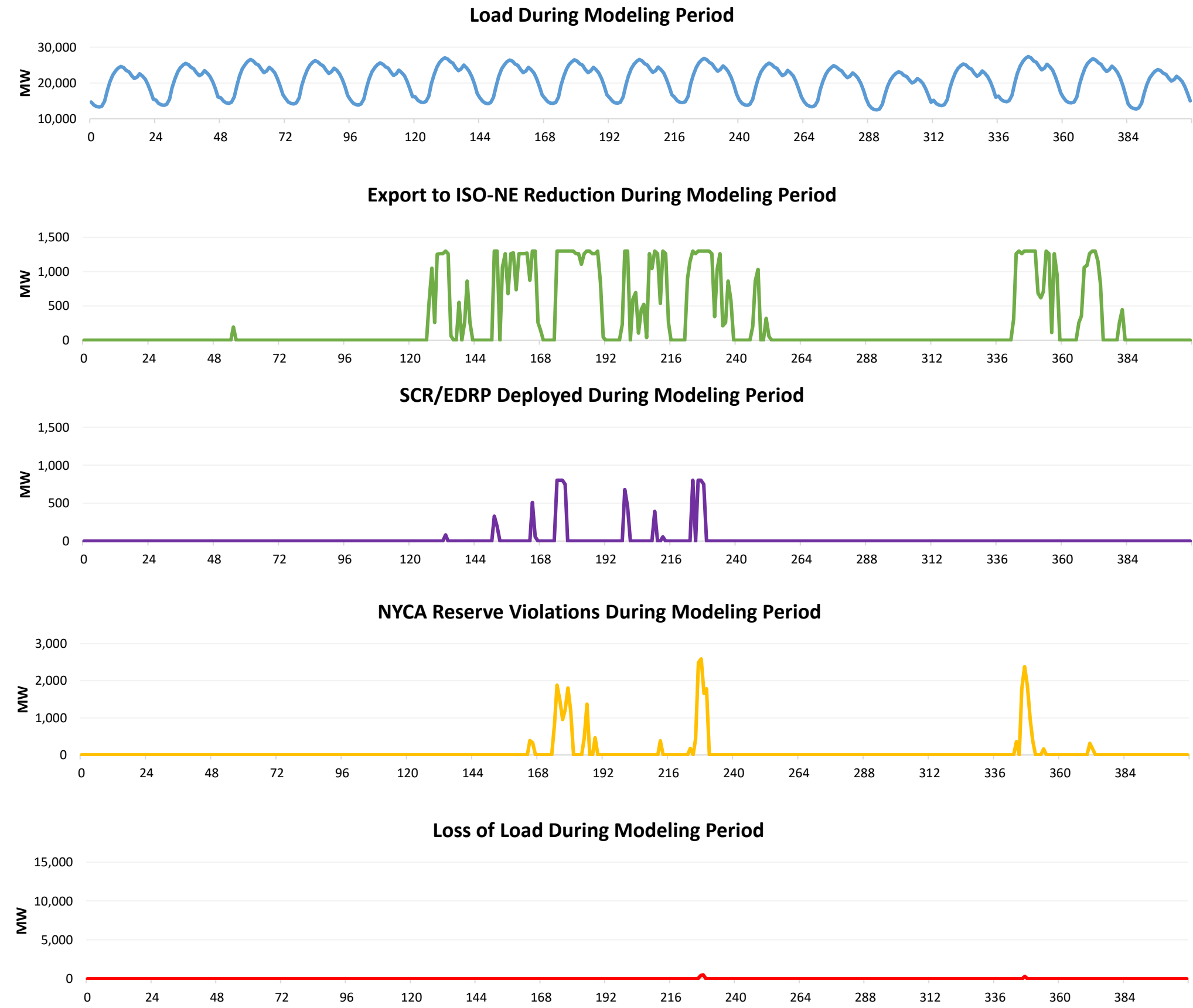


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 116     |
| Total MWh         | 109,178 |
| Avg. MW           | 267.6   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 17    |
| Total MWh      | 9,065 |
| Avg. MW        | 22.2  |

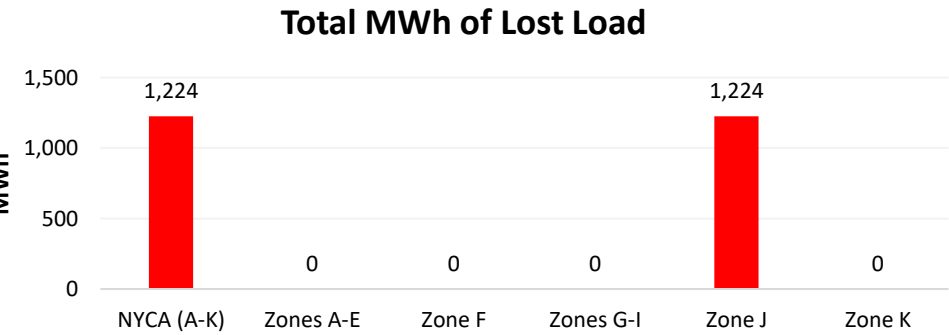
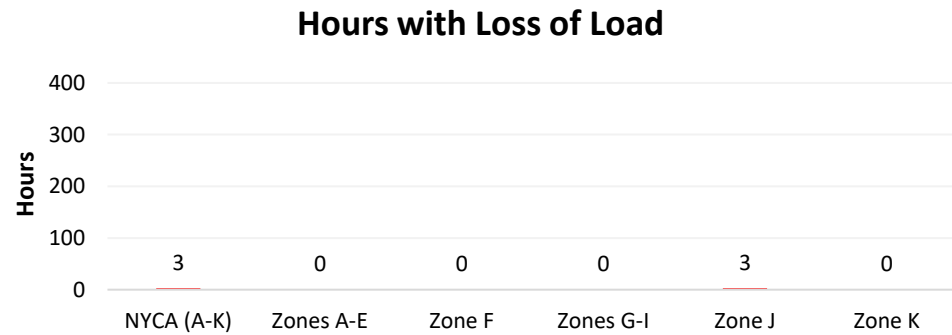
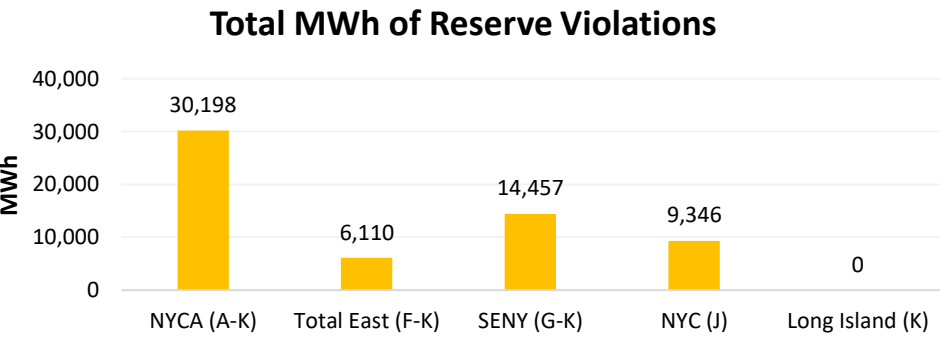
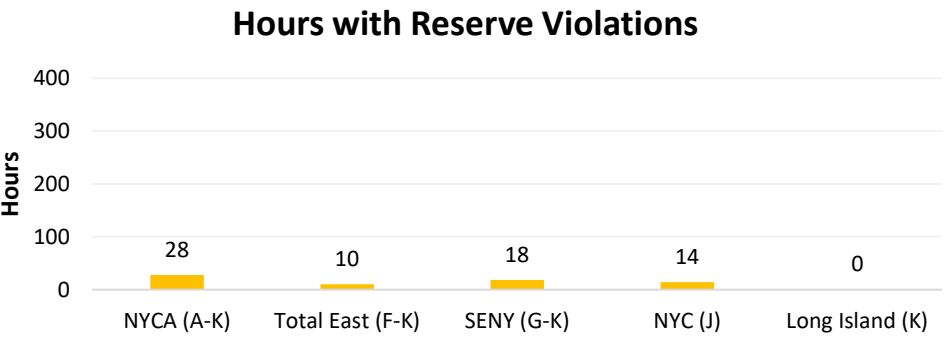
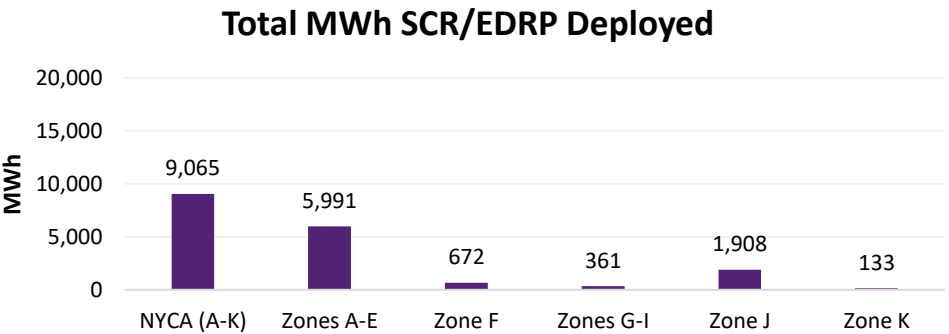
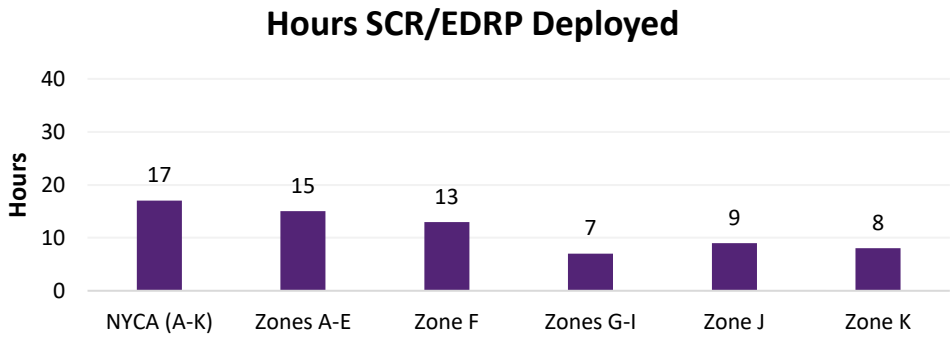
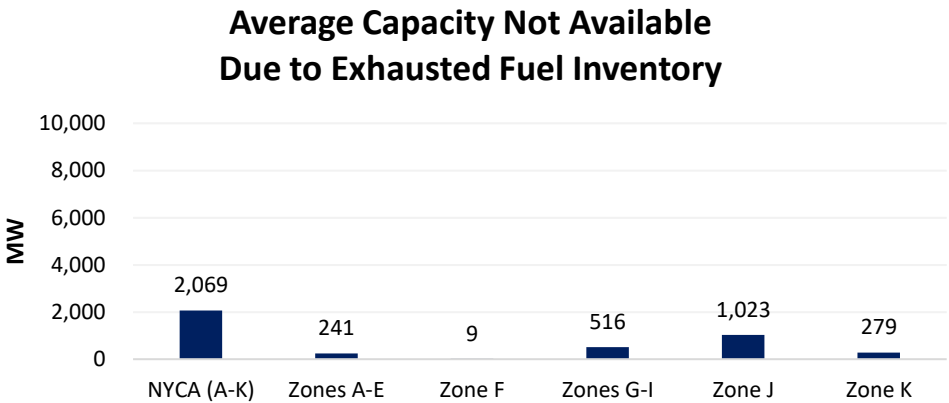
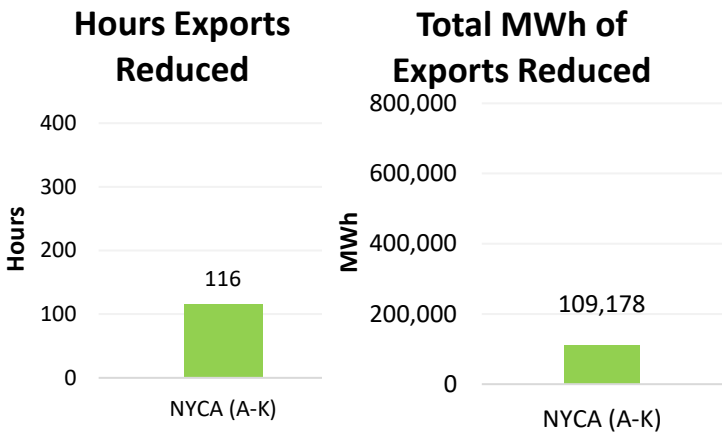
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 28     |
| Total MWh             | 30,198 |
| Avg. MW               | 74.0   |
| First Hour with Viol. | 165    |

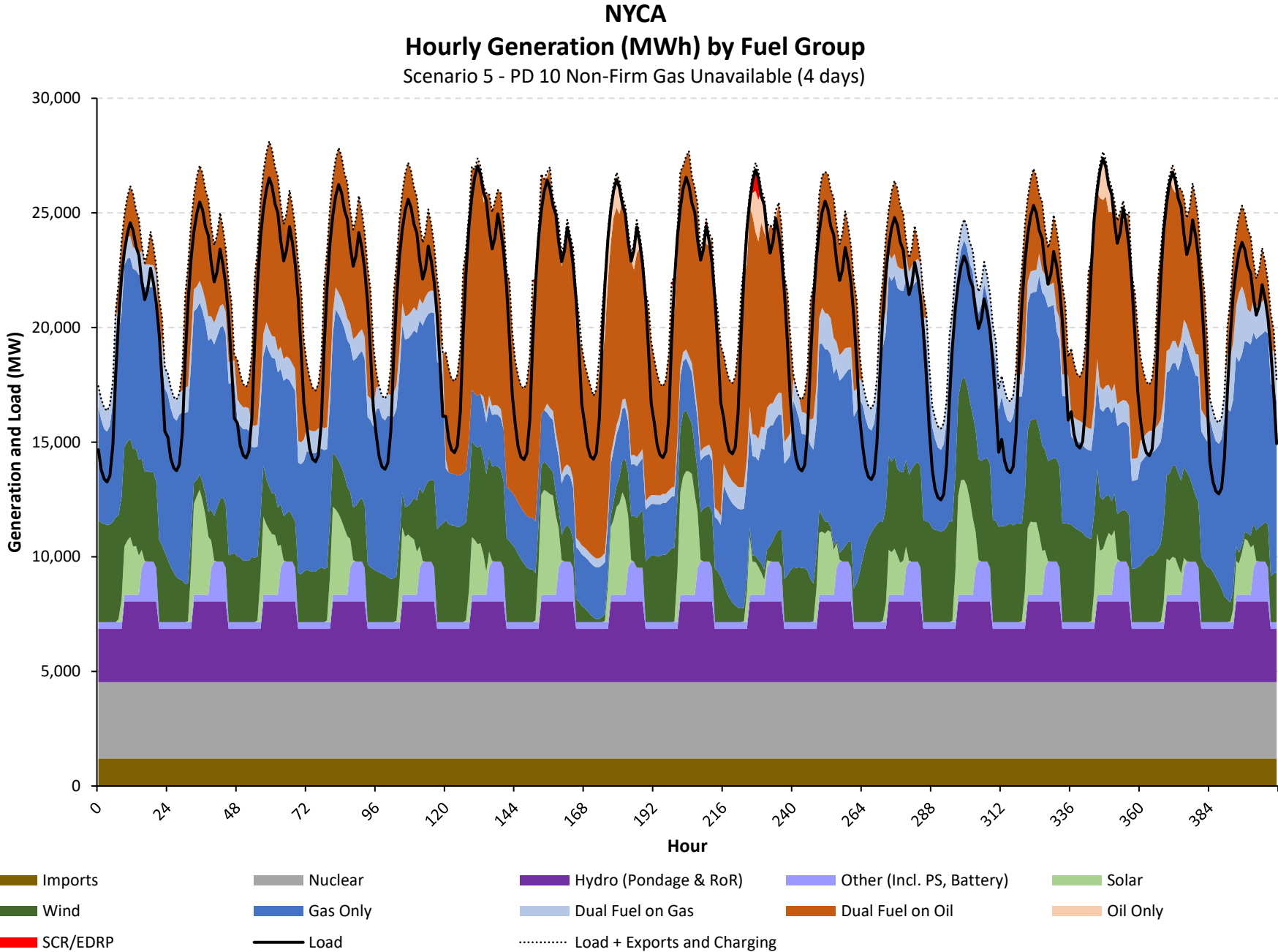
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 3     |
| Total MWh              | 1,224 |
| Avg. MW                | 3.0   |
| First Hour with Losses | 227   |

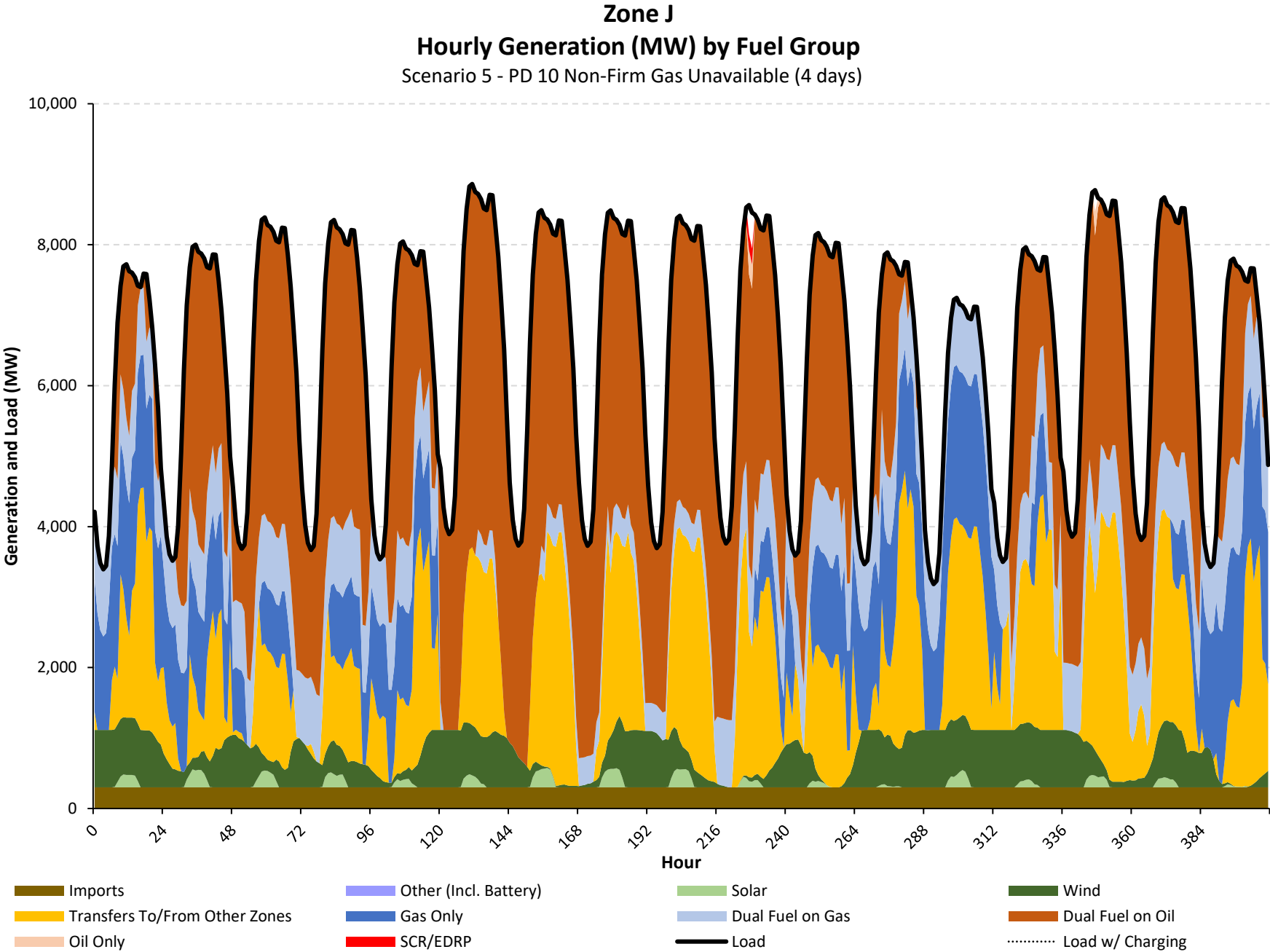
Full Period Results Summary

Case Name: Scenario 5 - PD 10 Non-Firm Gas Unavailable (4 days)

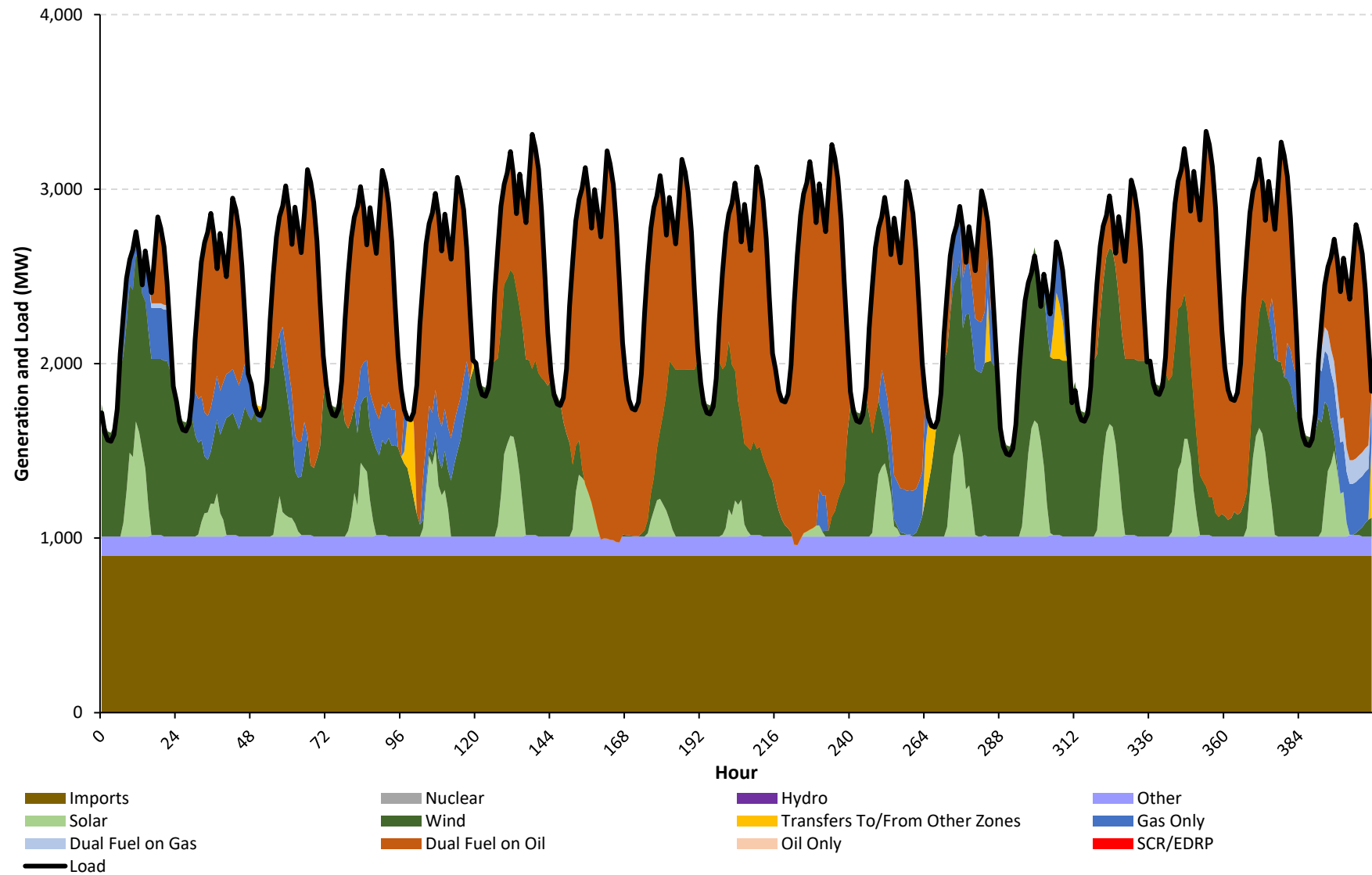
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

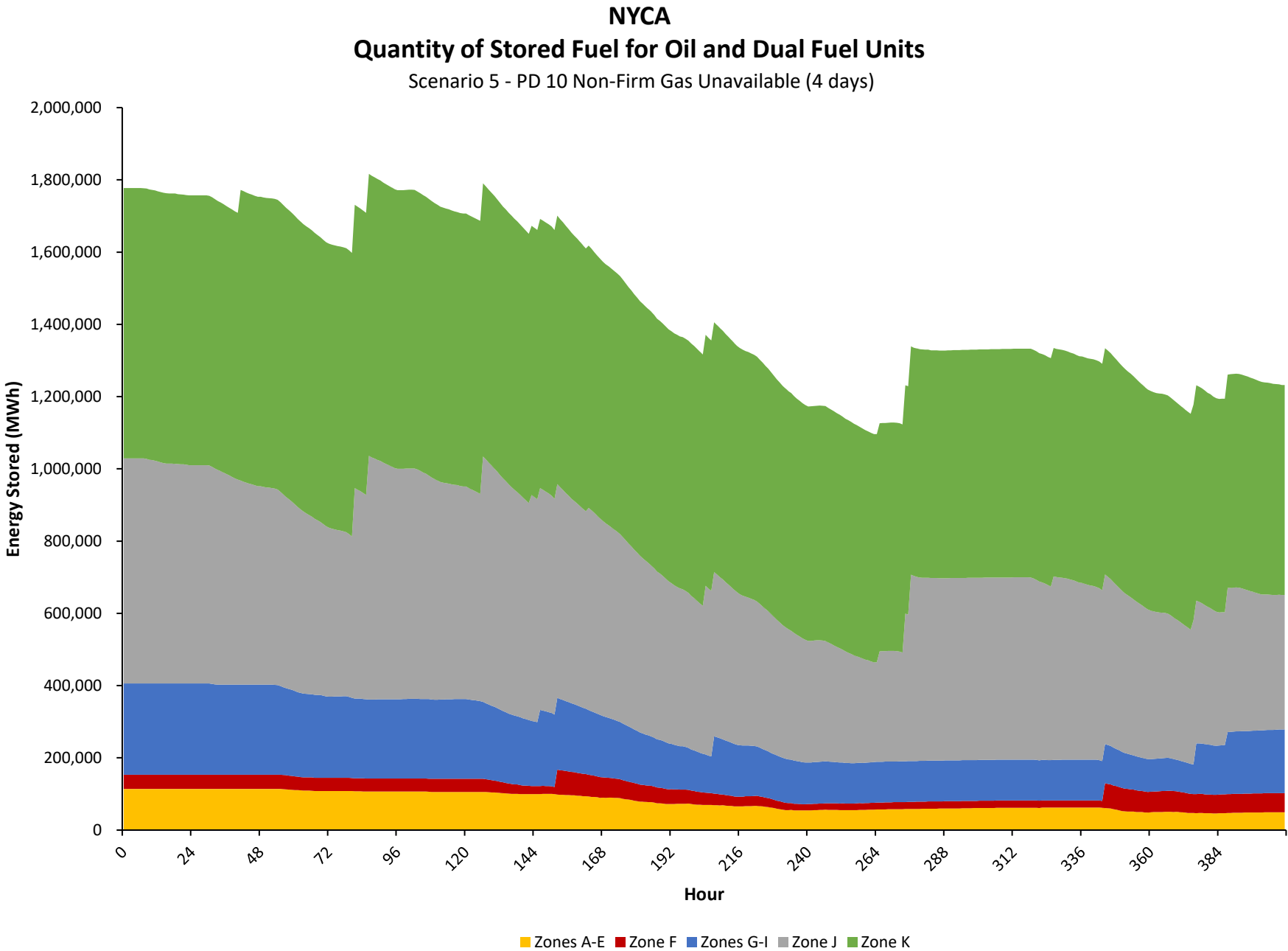


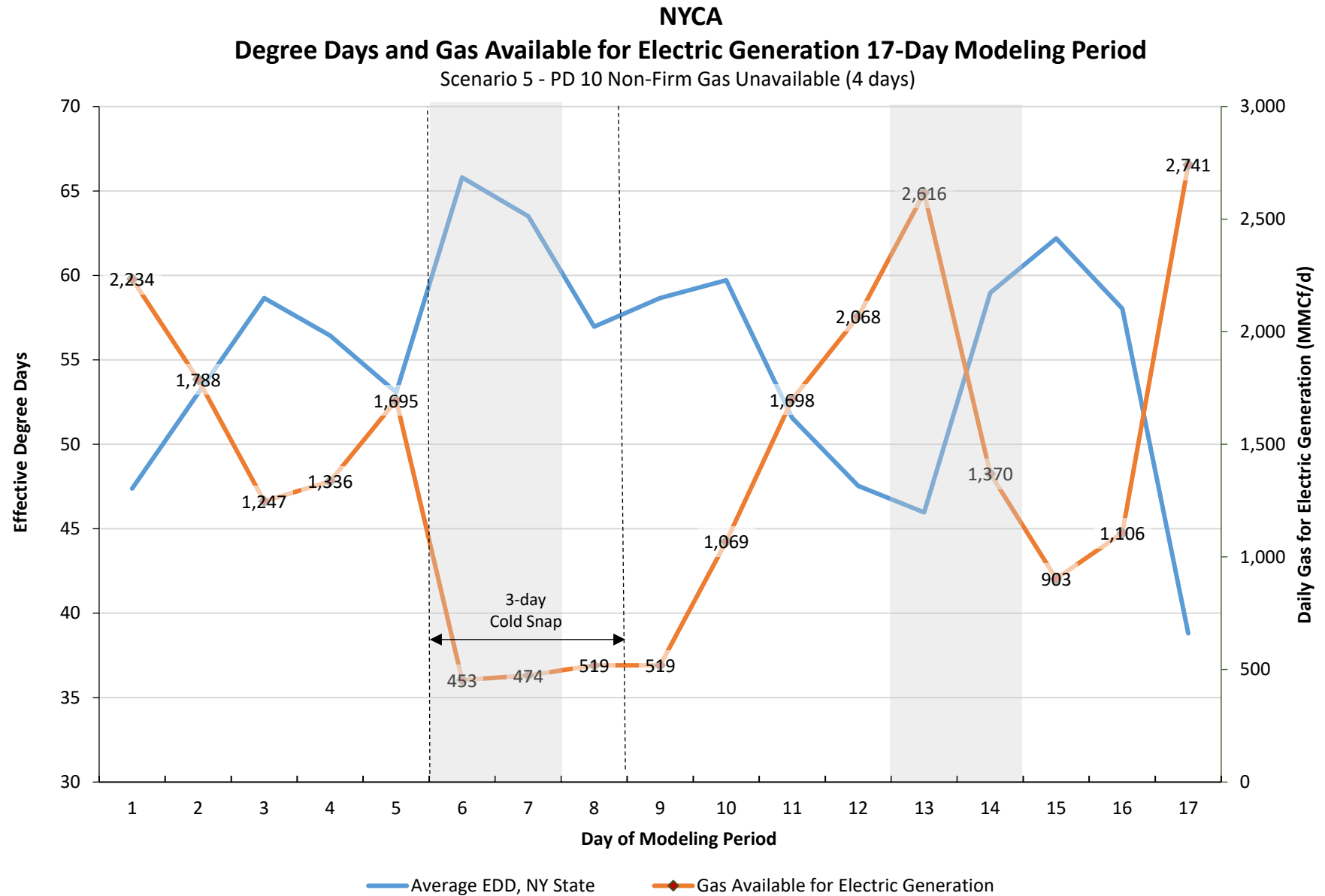




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 10 Non-Firm Gas Unavailable (4 days)



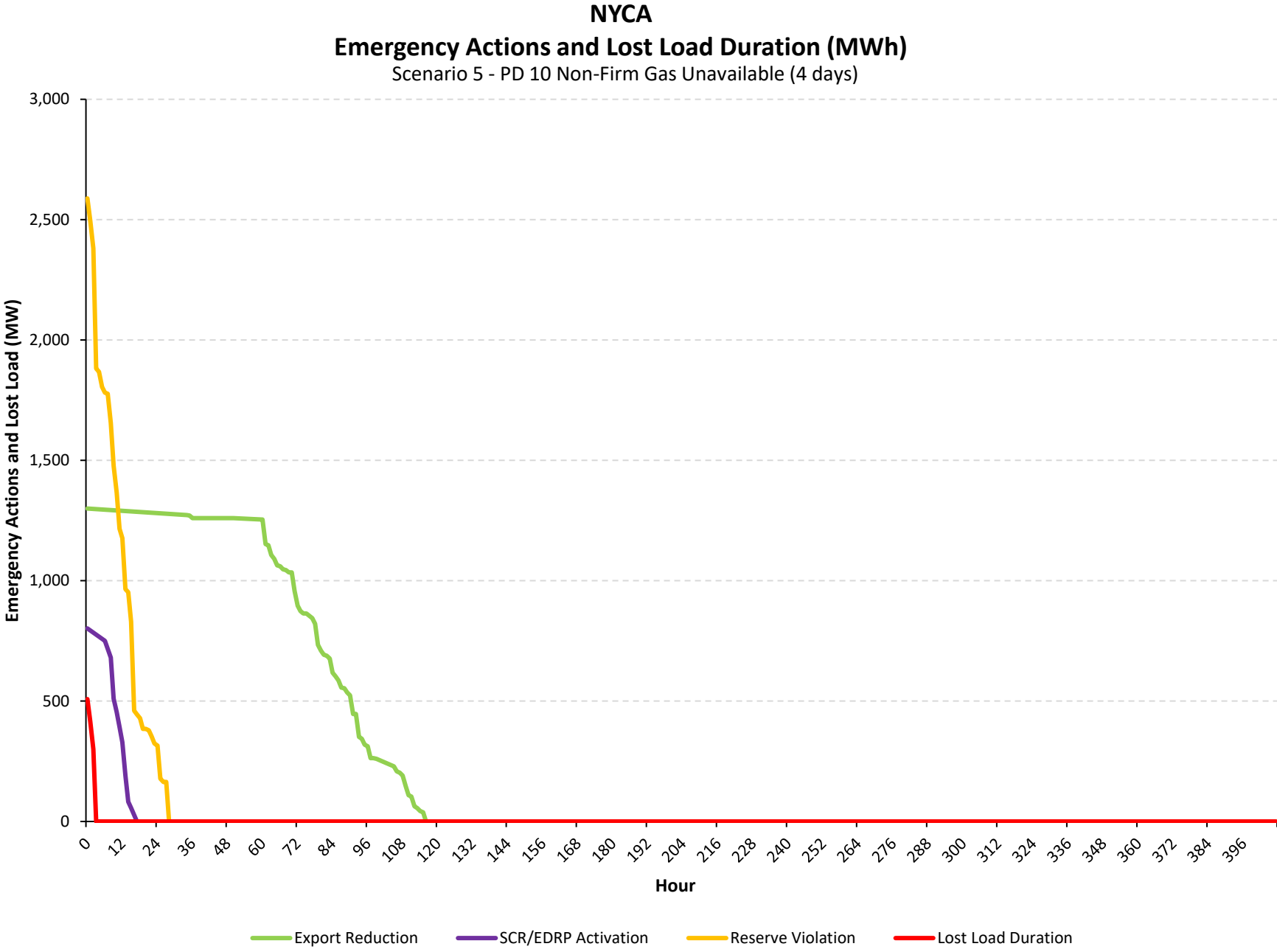


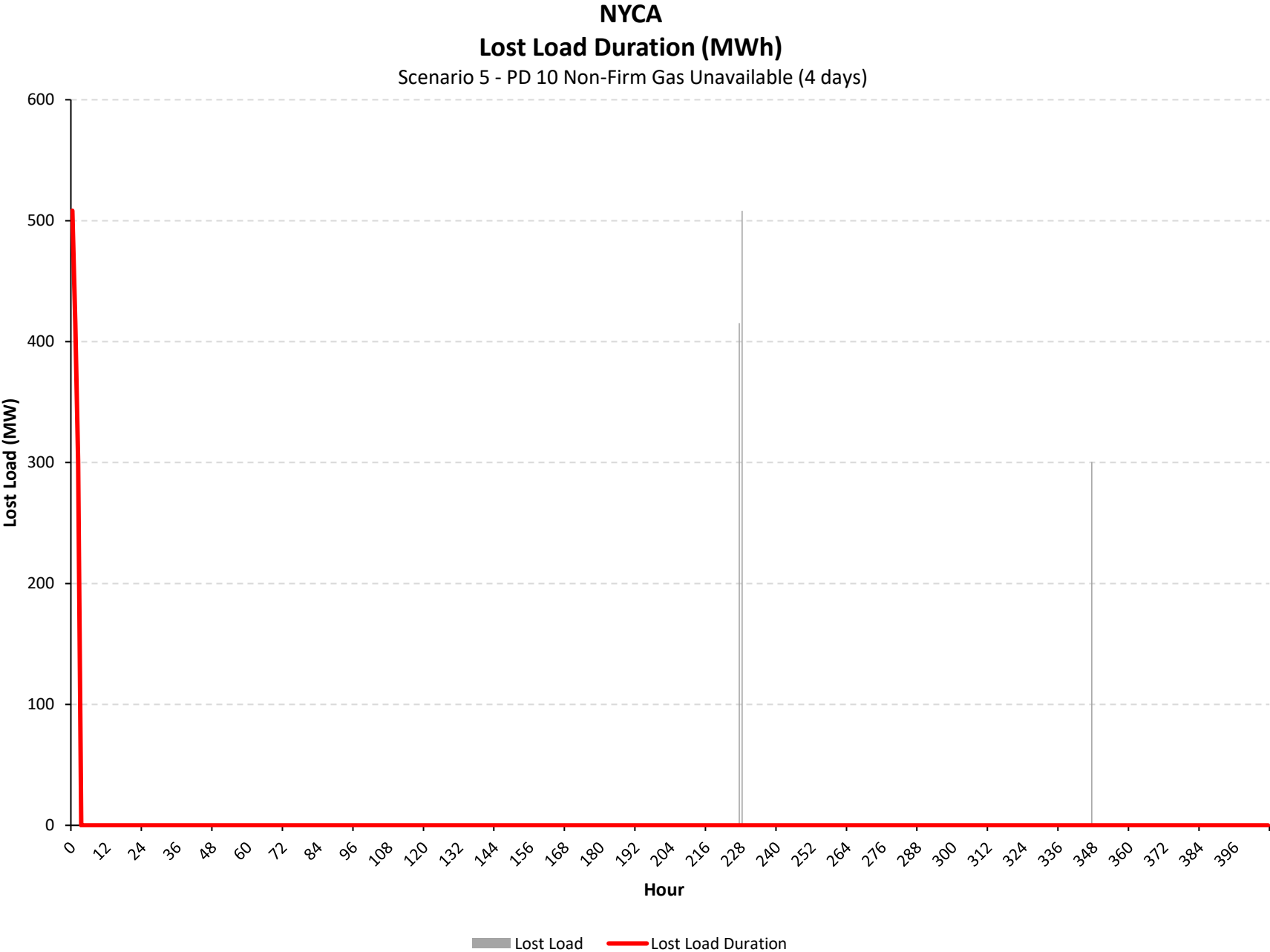


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





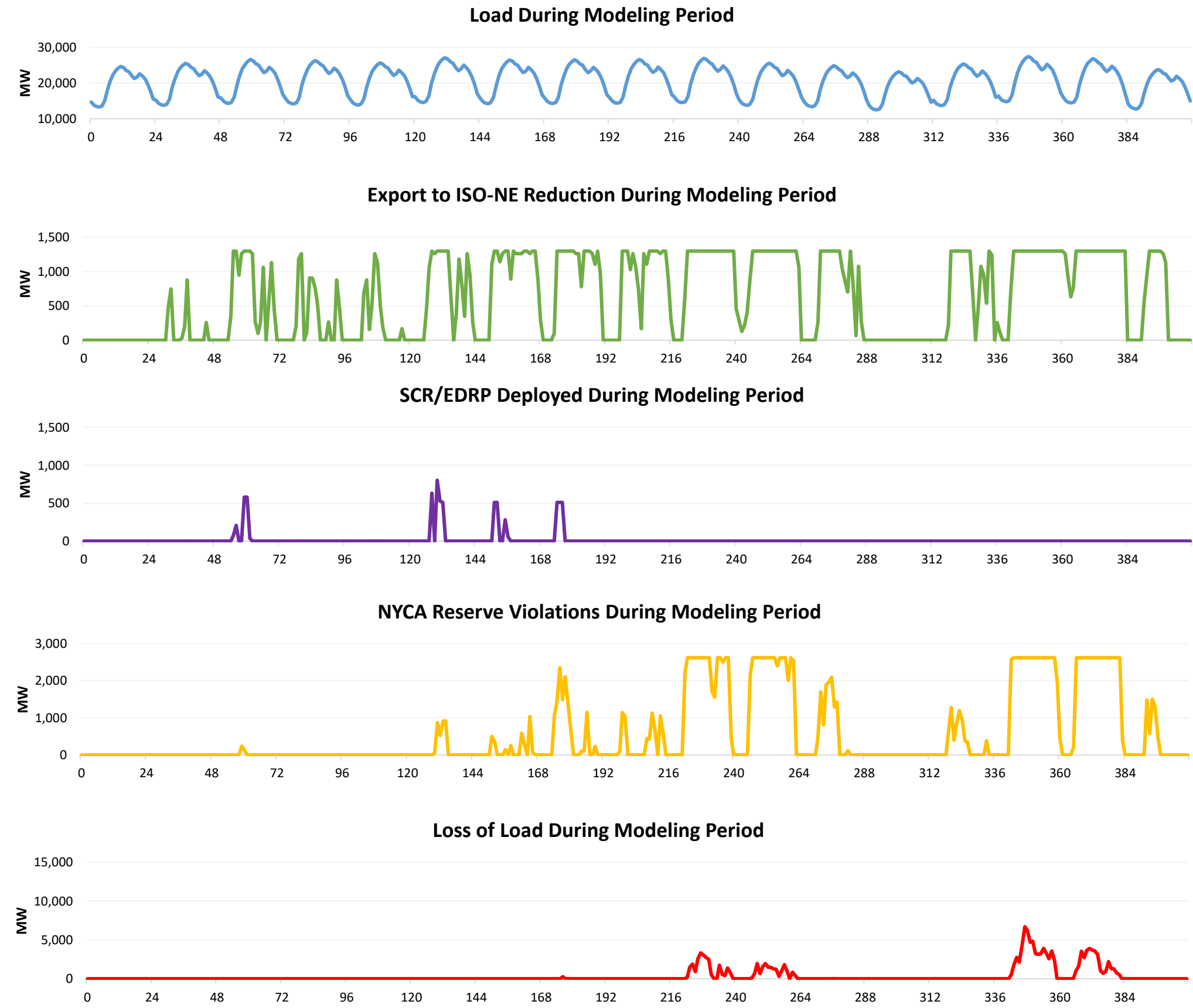


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 5 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 5 - PD 11 Combination Disruption



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 245     |
| Total MWh         | 257,781 |
| Avg. MW           | 631.8   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,828 |
| Avg. MW        | 16.7  |

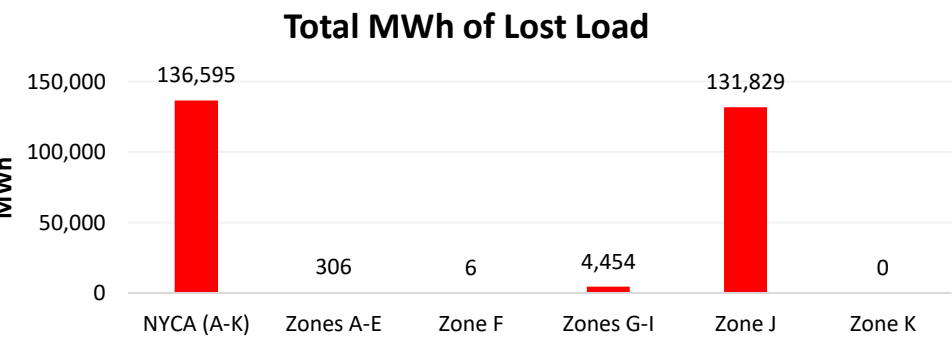
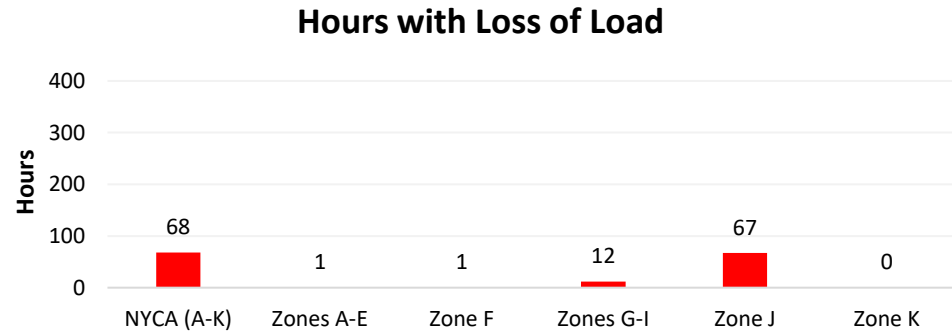
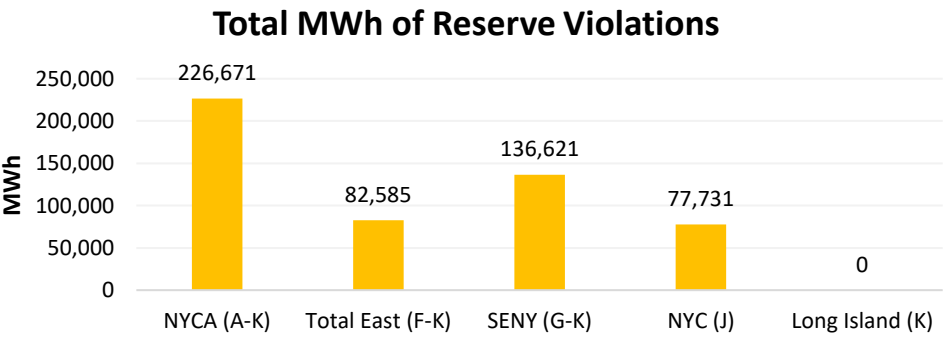
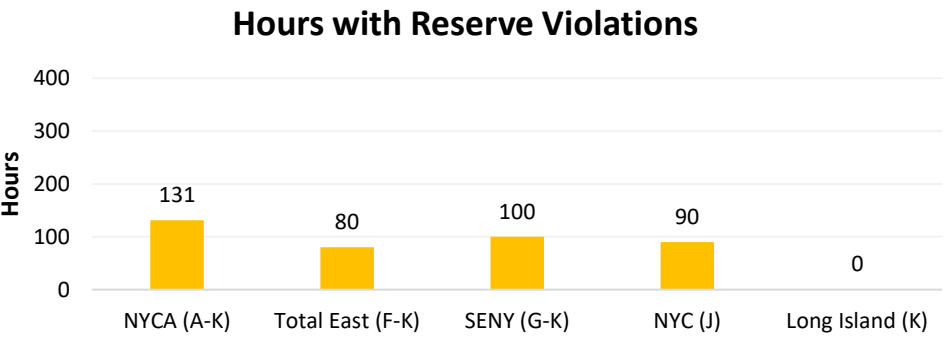
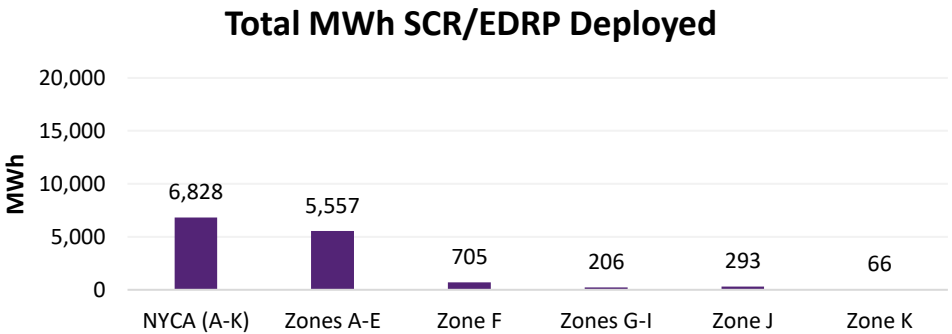
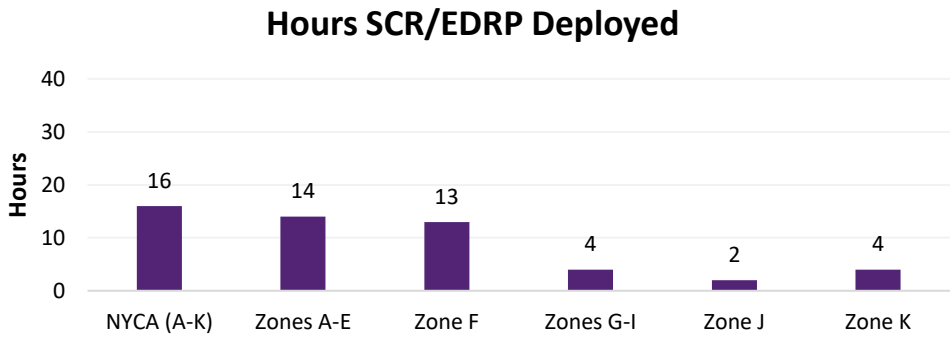
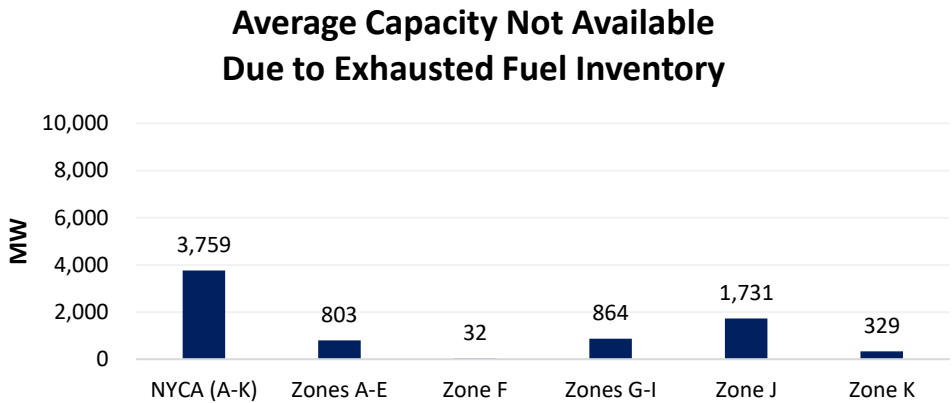
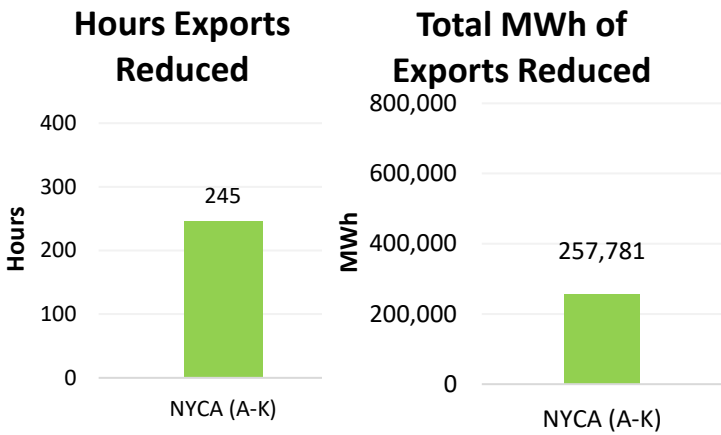
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 131     |
| Total MWh             | 226,671 |
| Avg. MW               | 555.6   |
| First Hour with Viol. | 59      |

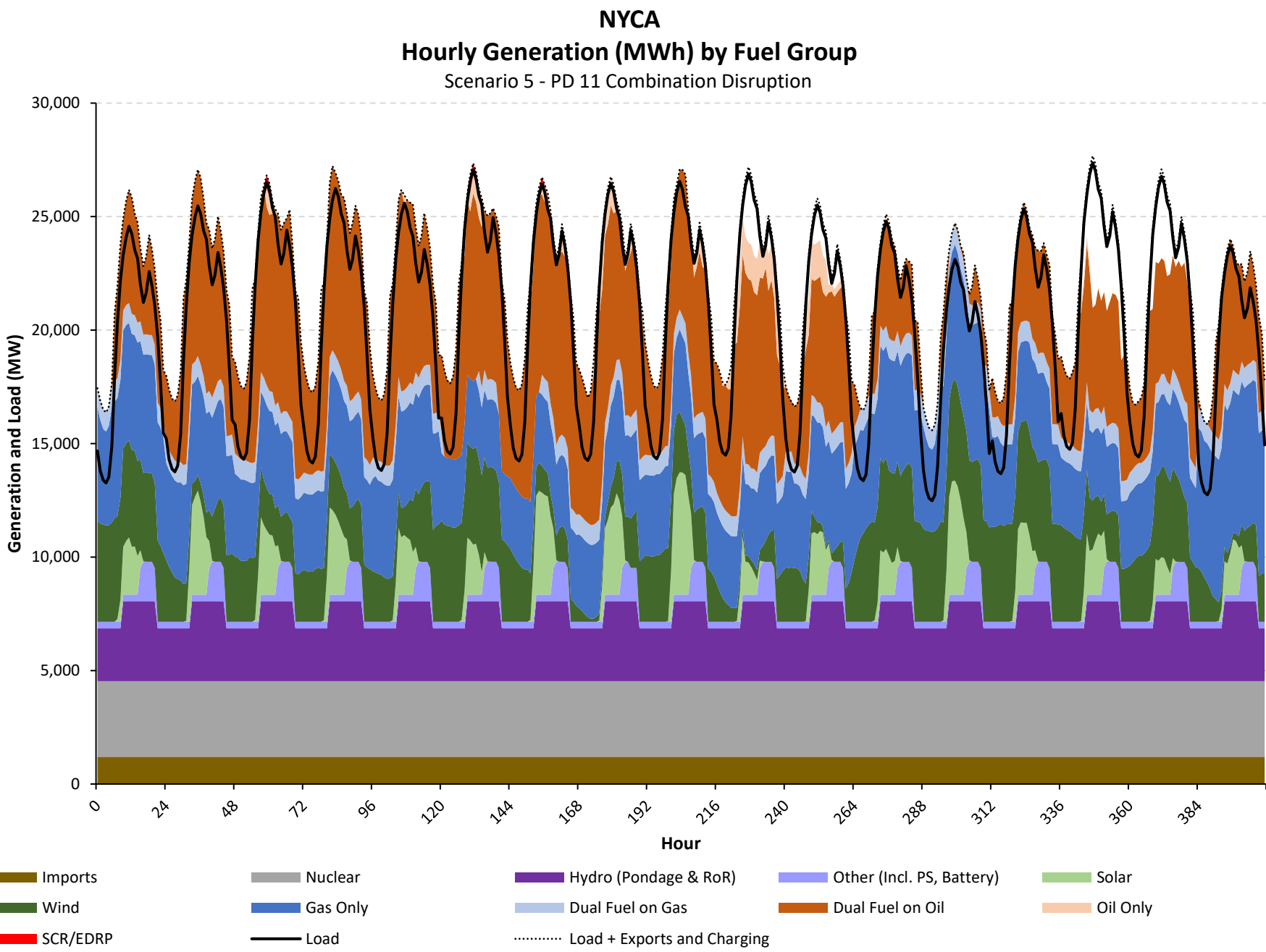
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 68      |
| Total MWh              | 136,595 |
| Avg. MW                | 334.8   |
| First Hour with Losses | 176     |

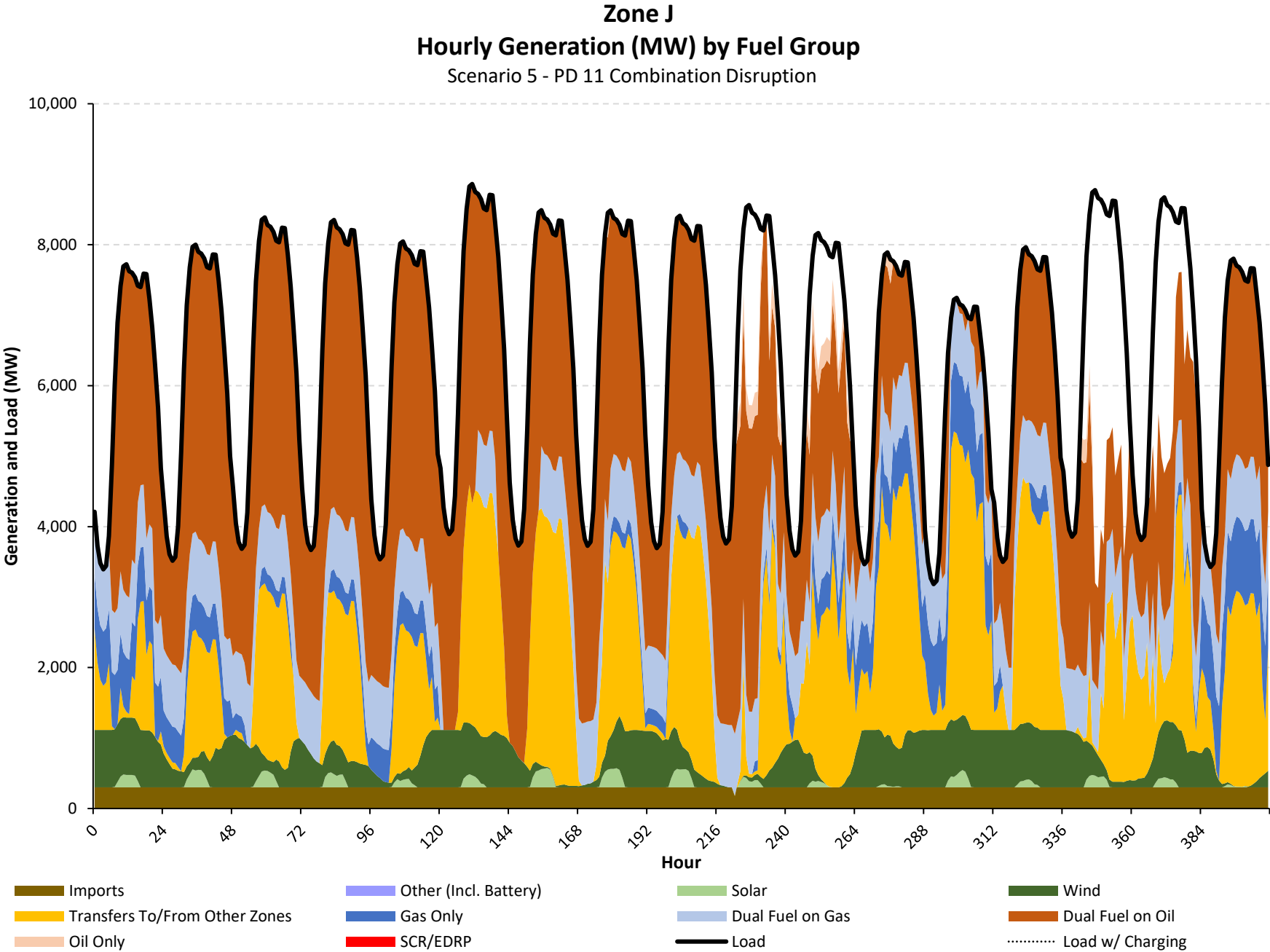
Full Period Results Summary

Case Name: Scenario 5 - PD 11 Combination Disruption

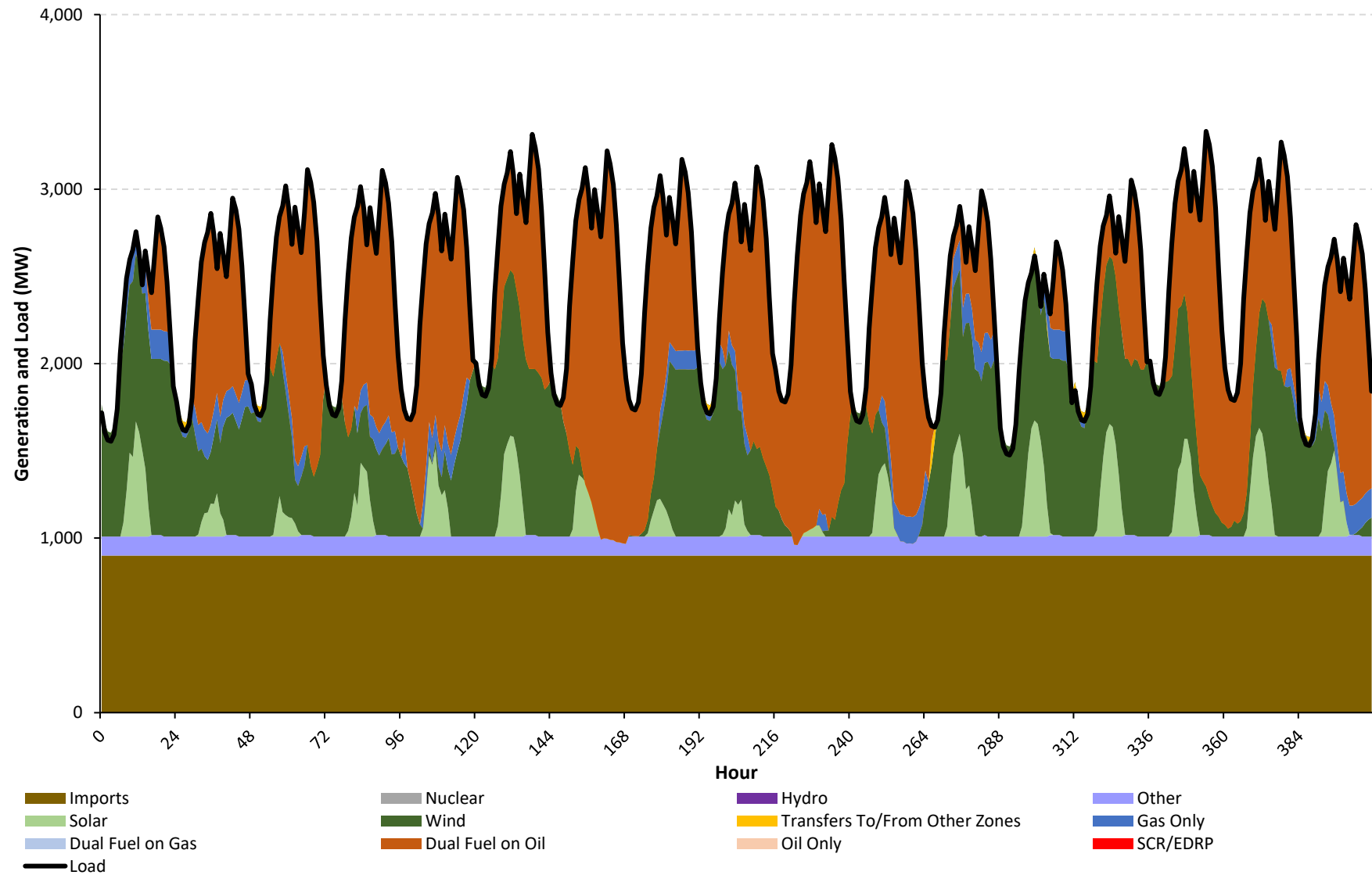
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | All        |



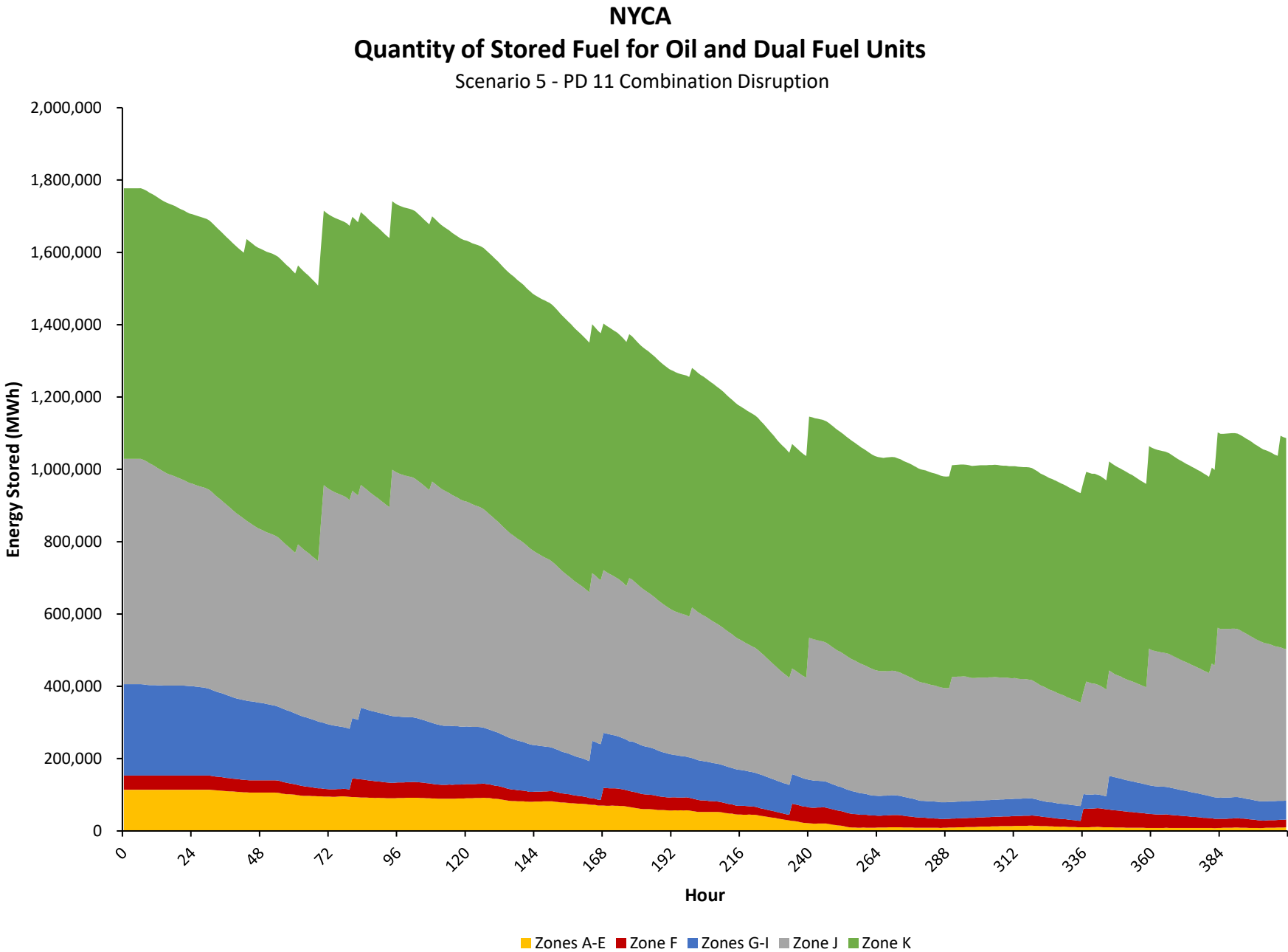


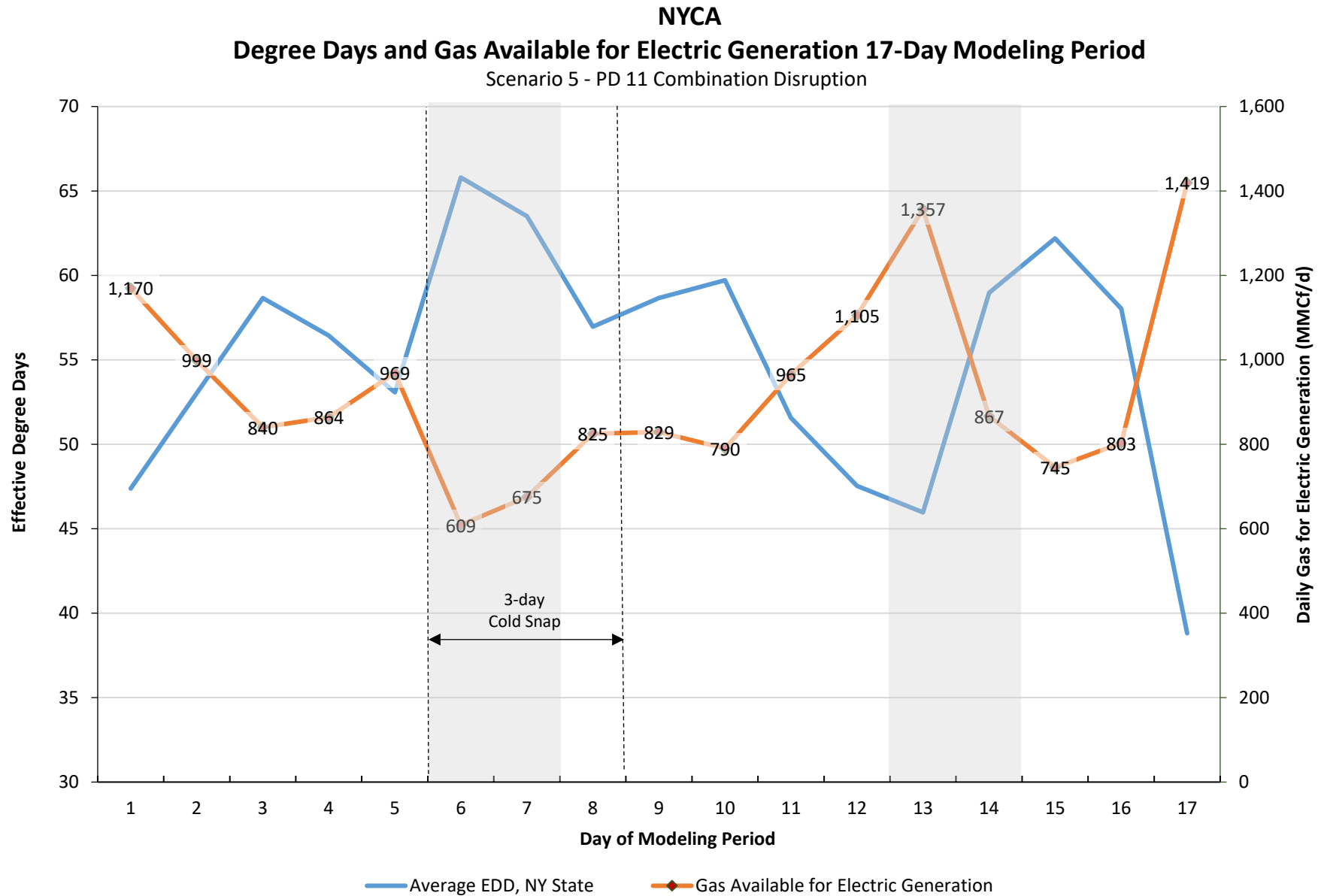


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 5 - PD 11 Combination Disruption





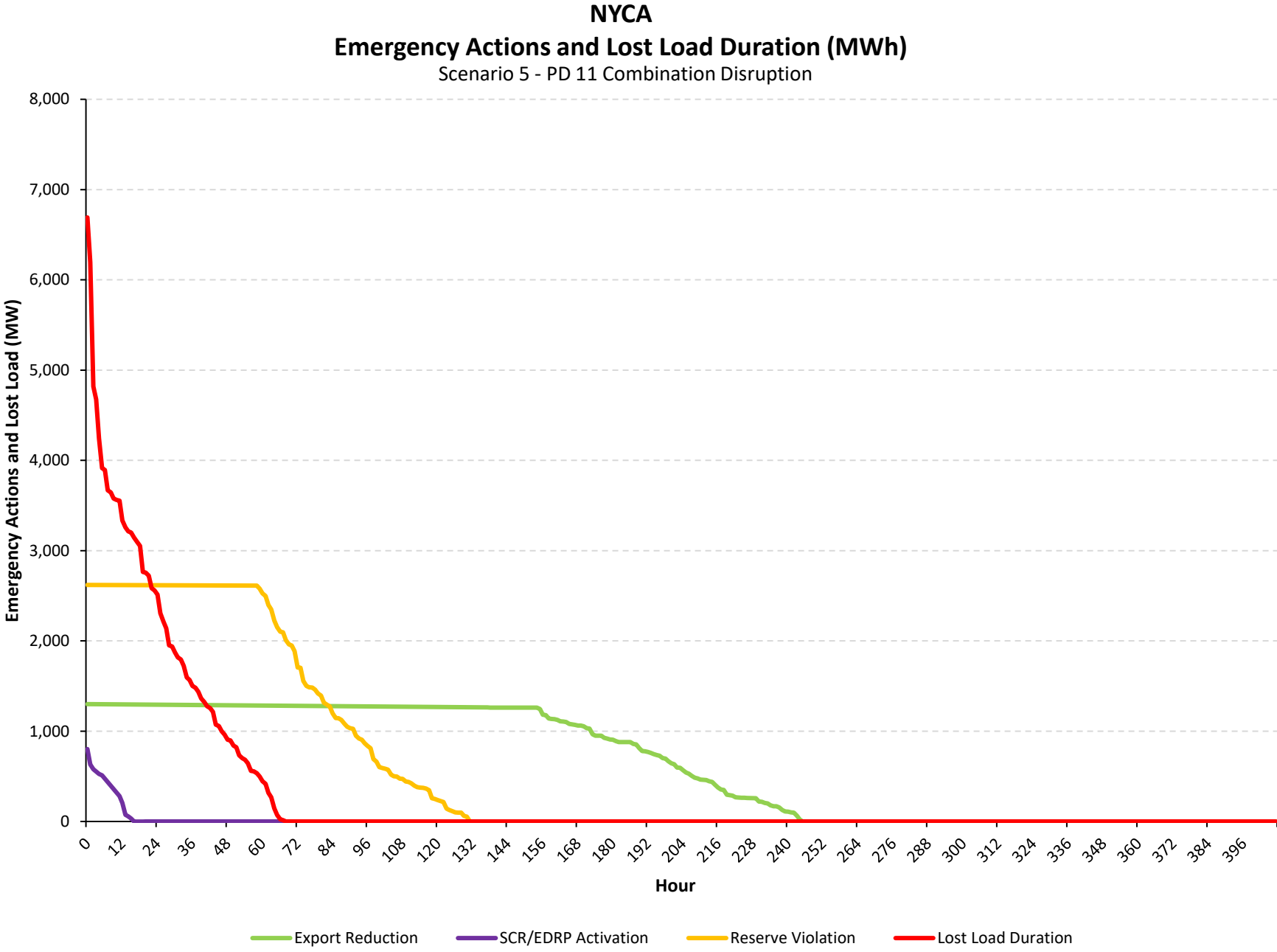


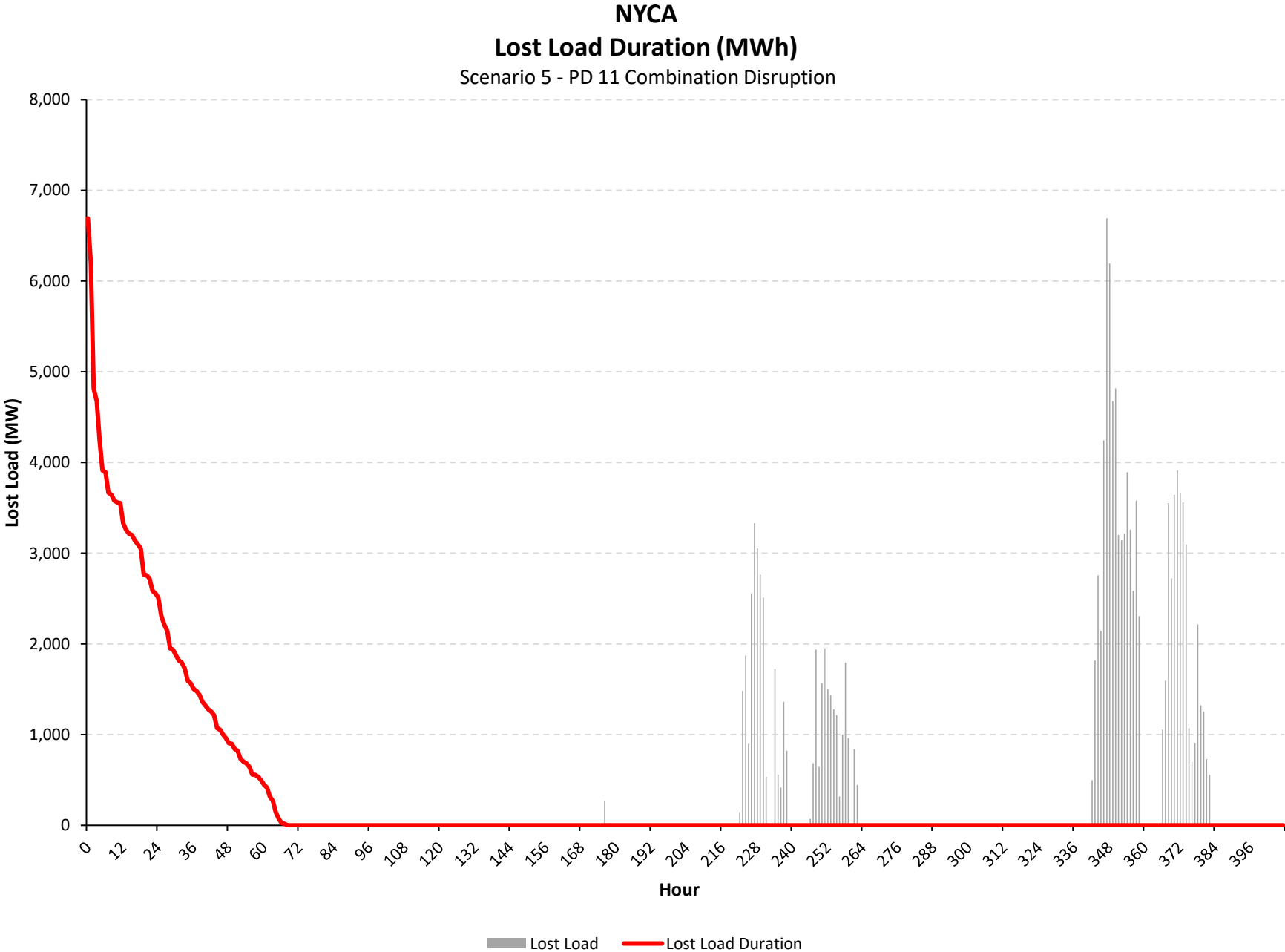


**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.



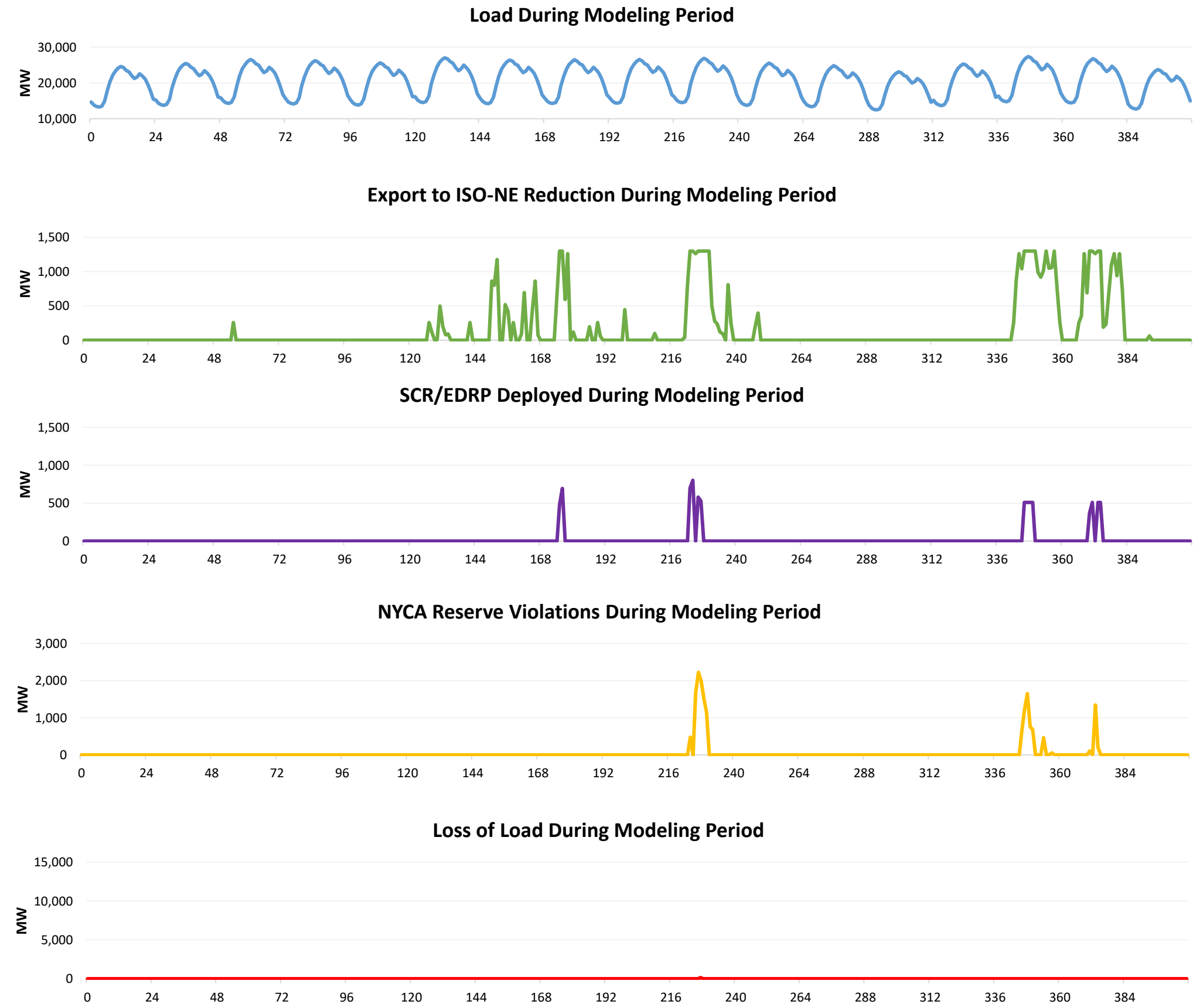


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 1 No Disruptions



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 86     |
| Total MWh         | 62,429 |
| Avg. MW           | 153.0  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 14    |
| Total MWh      | 7,720 |
| Avg. MW        | 18.9  |

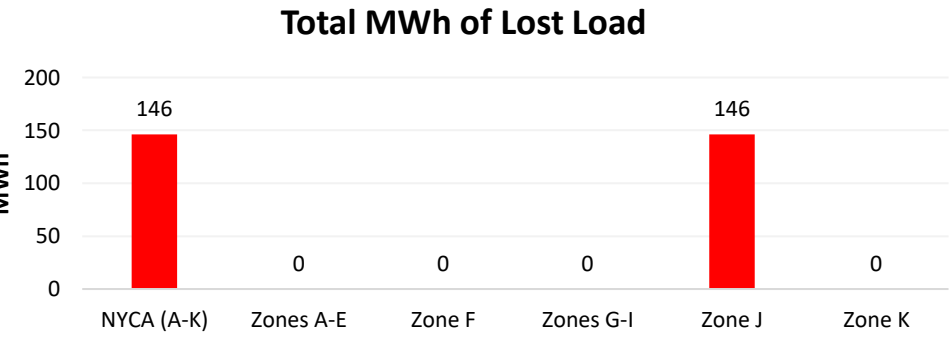
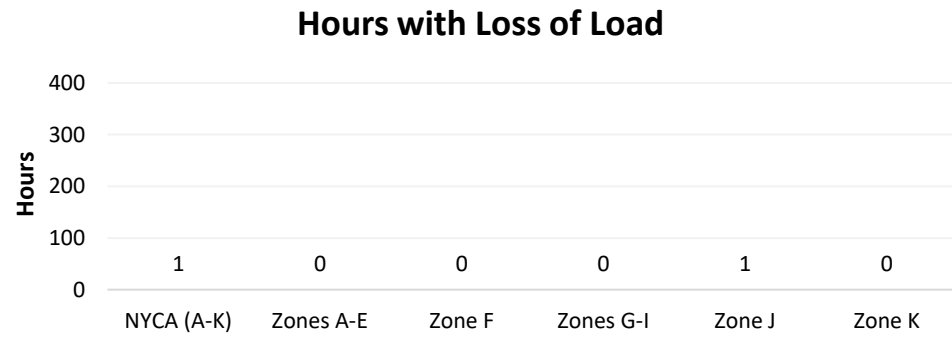
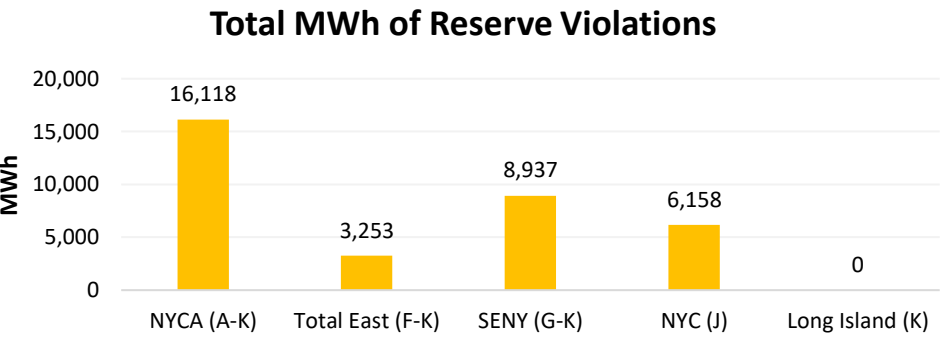
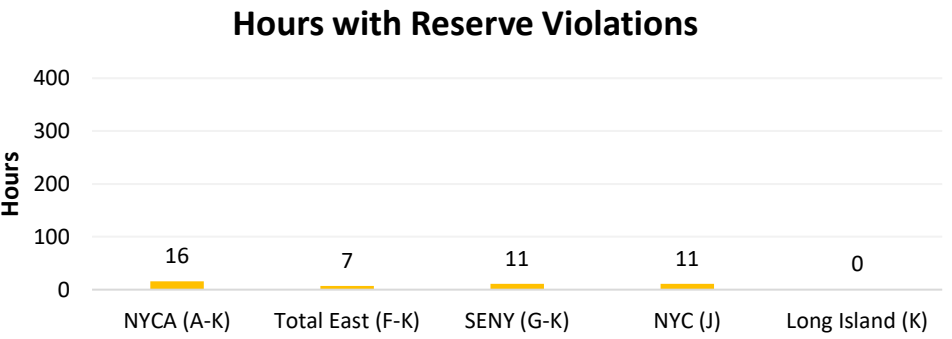
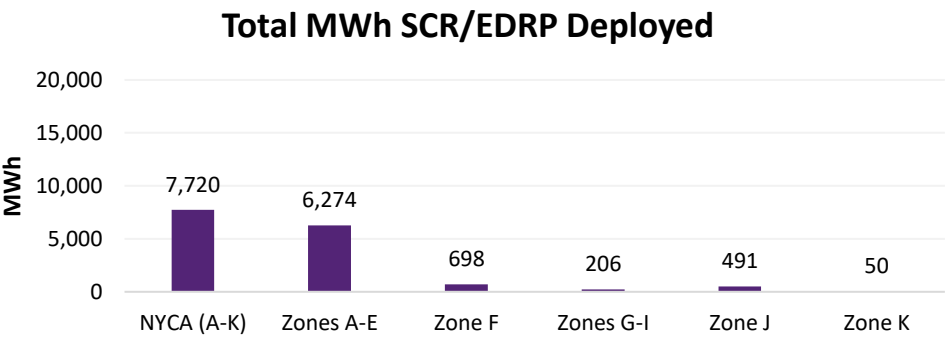
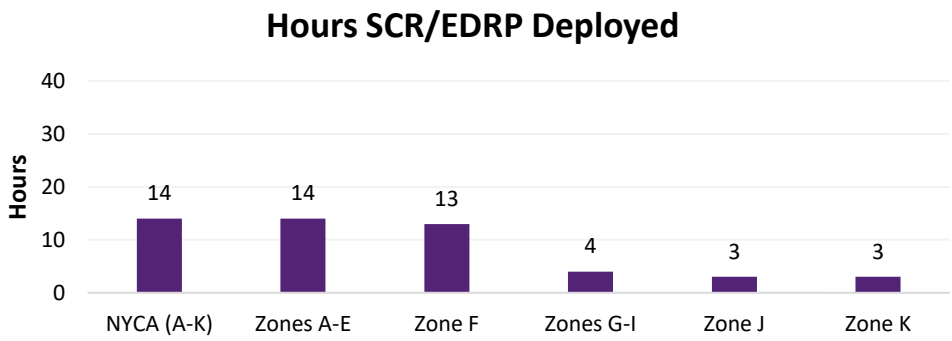
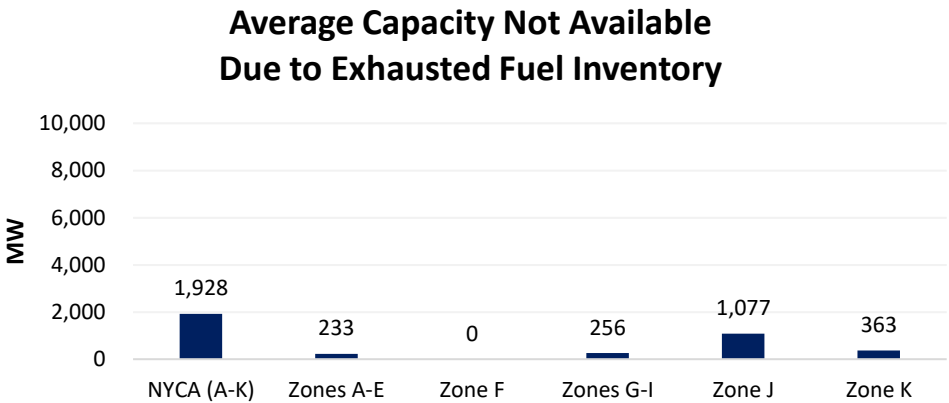
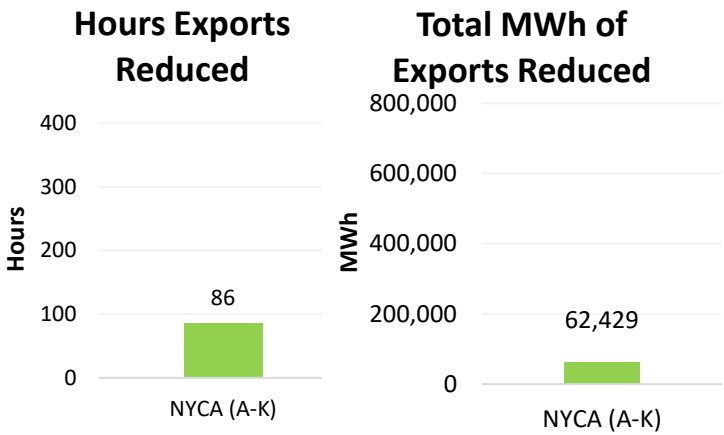
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 16     |
| Total MWh             | 16,118 |
| Avg. MW               | 39.5   |
| First Hour with Viol. | 224    |

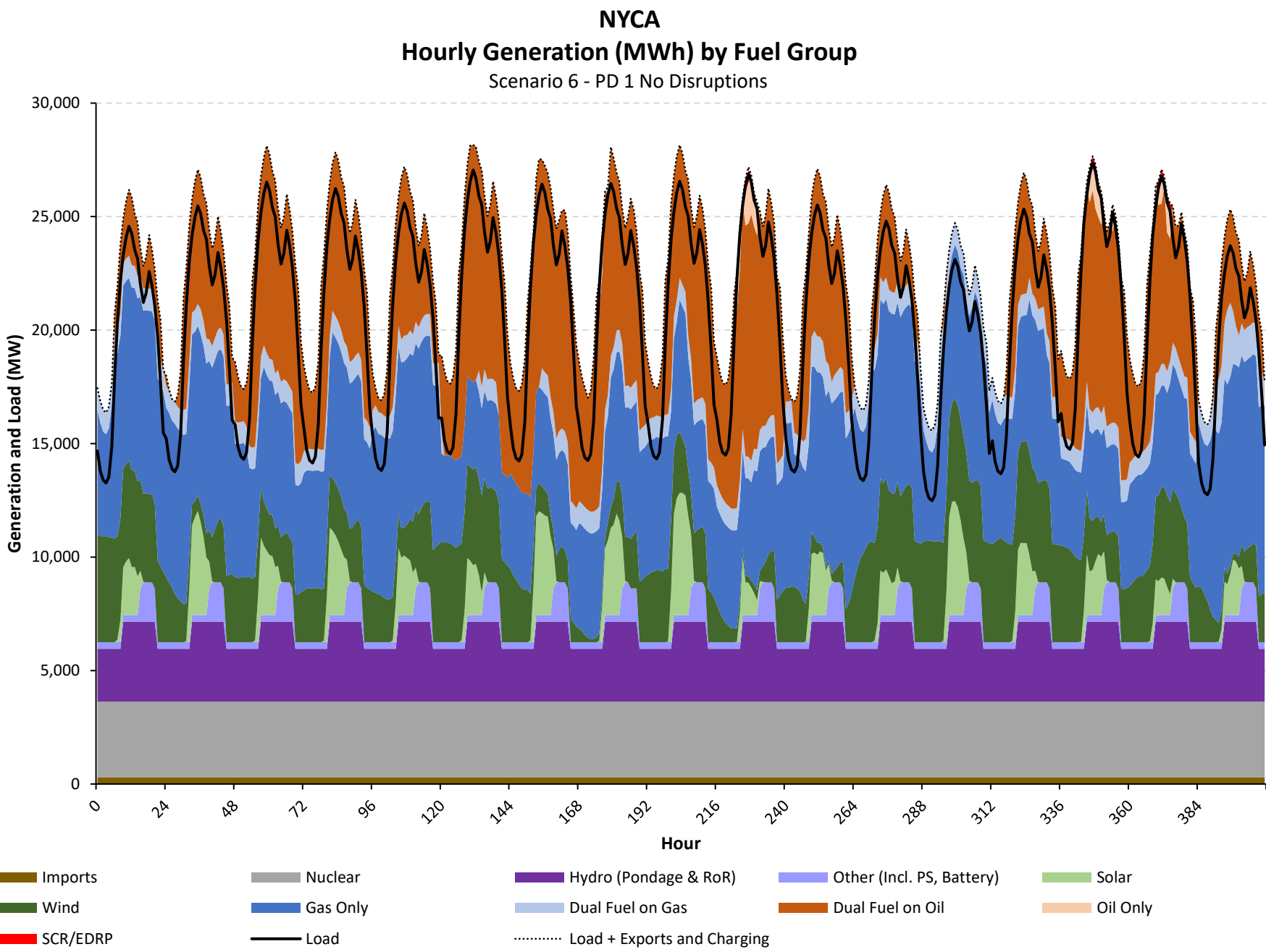
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 1   |
| Total MWh              | 146 |
| Avg. MW                | 0.4 |
| First Hour with Losses | 227 |

Full Period Results Summary

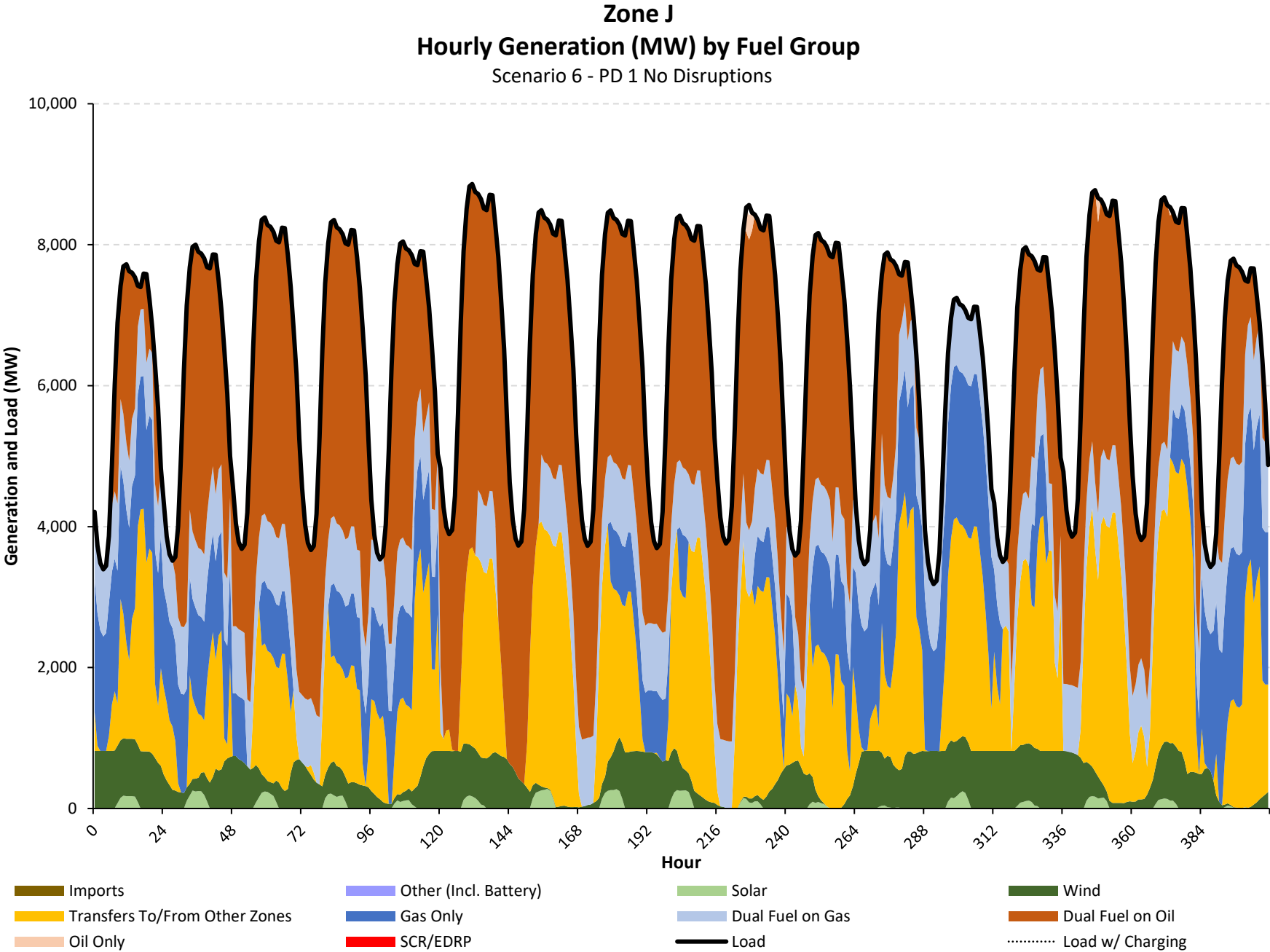
Case Name: Scenario 6 - PD 1 No Disruptions

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

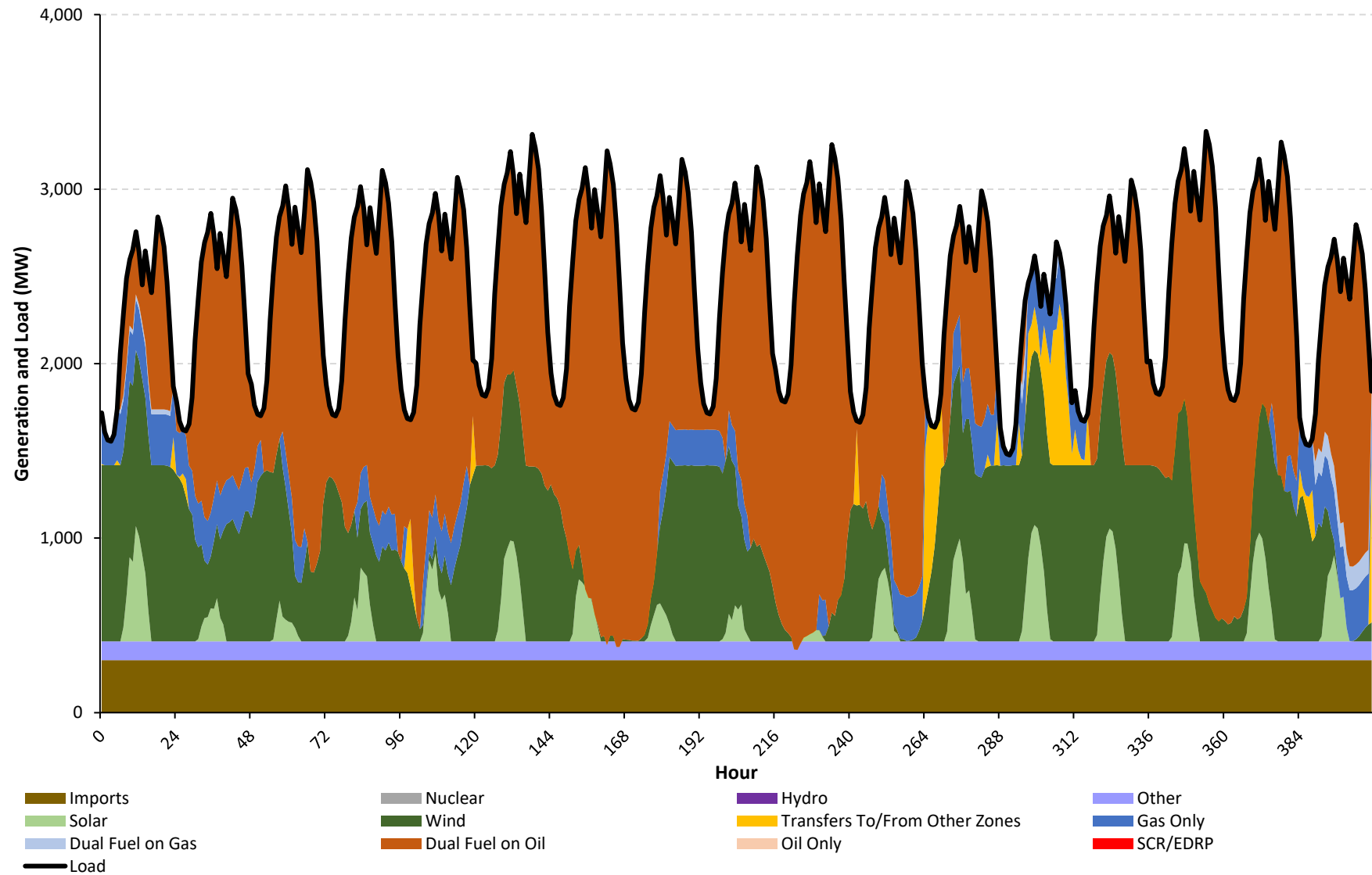


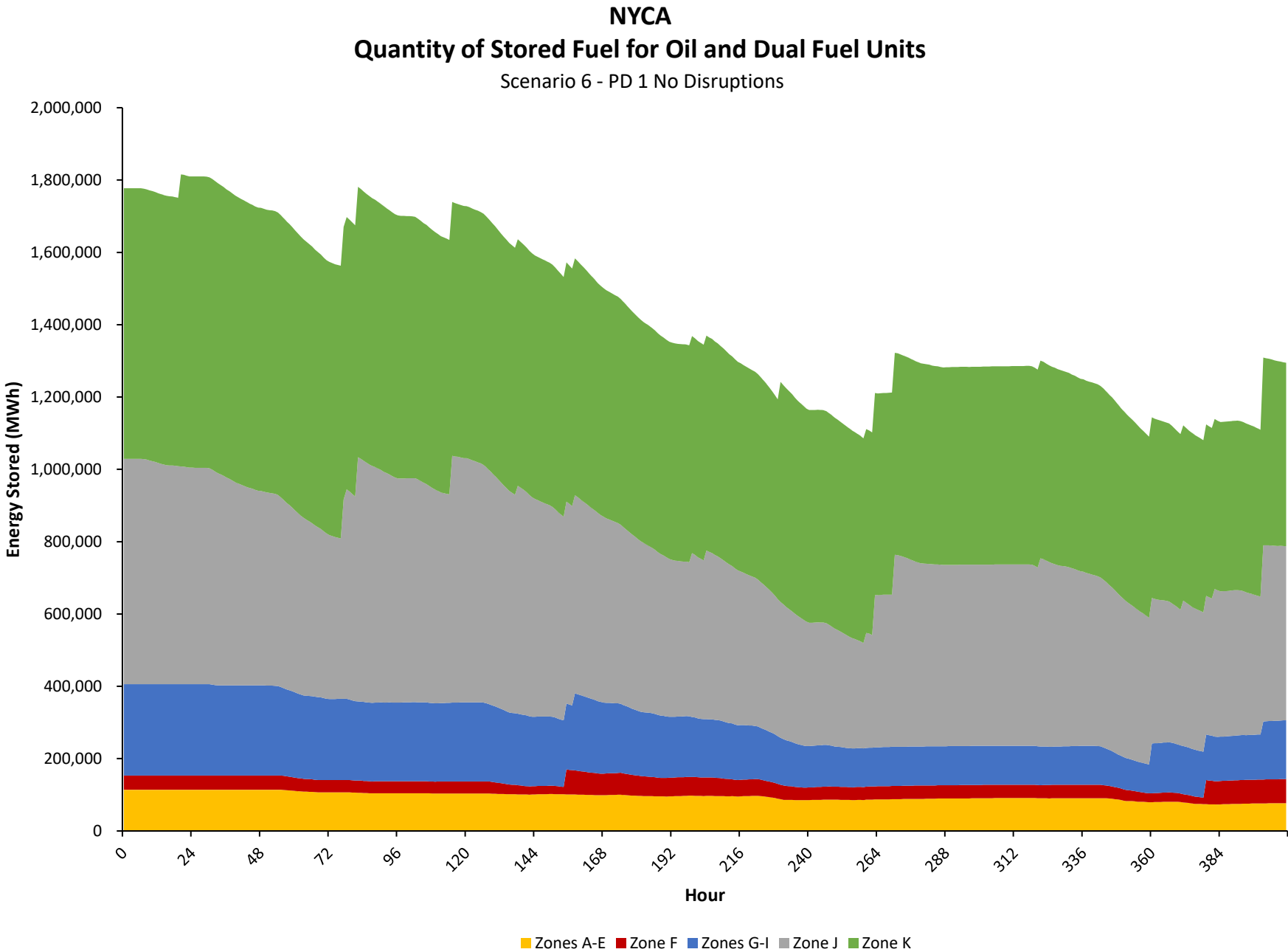






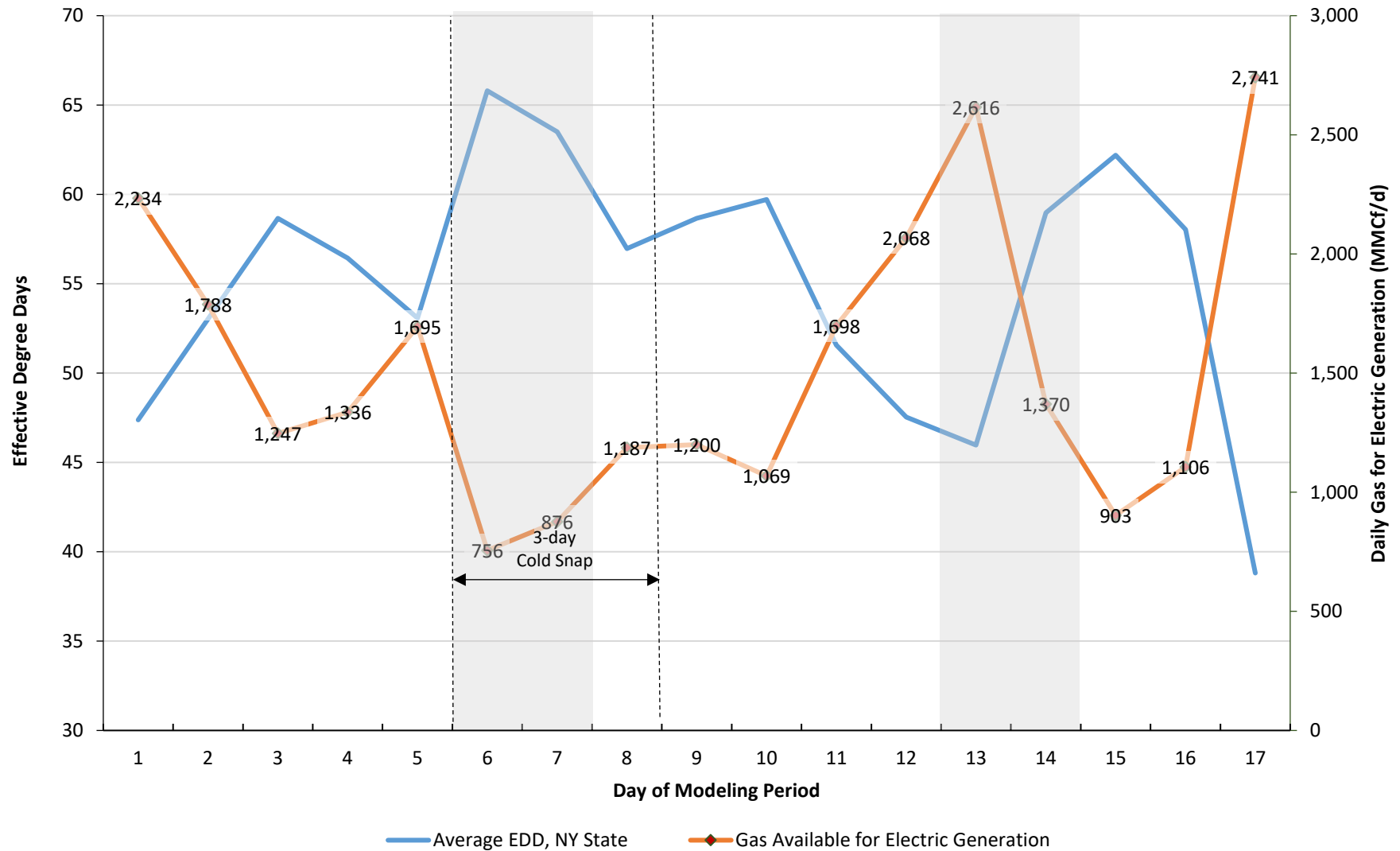
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 1 No Disruptions





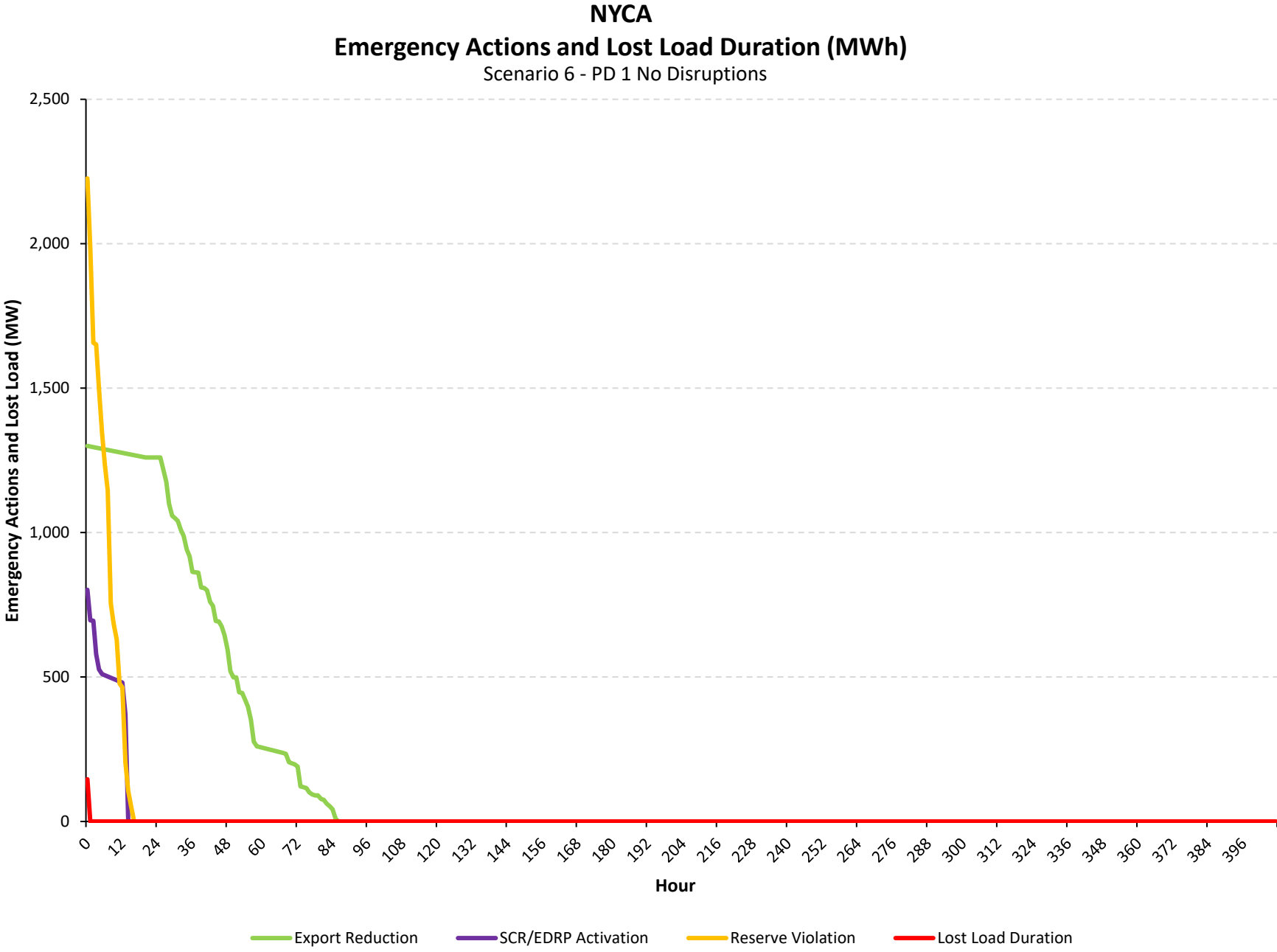
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

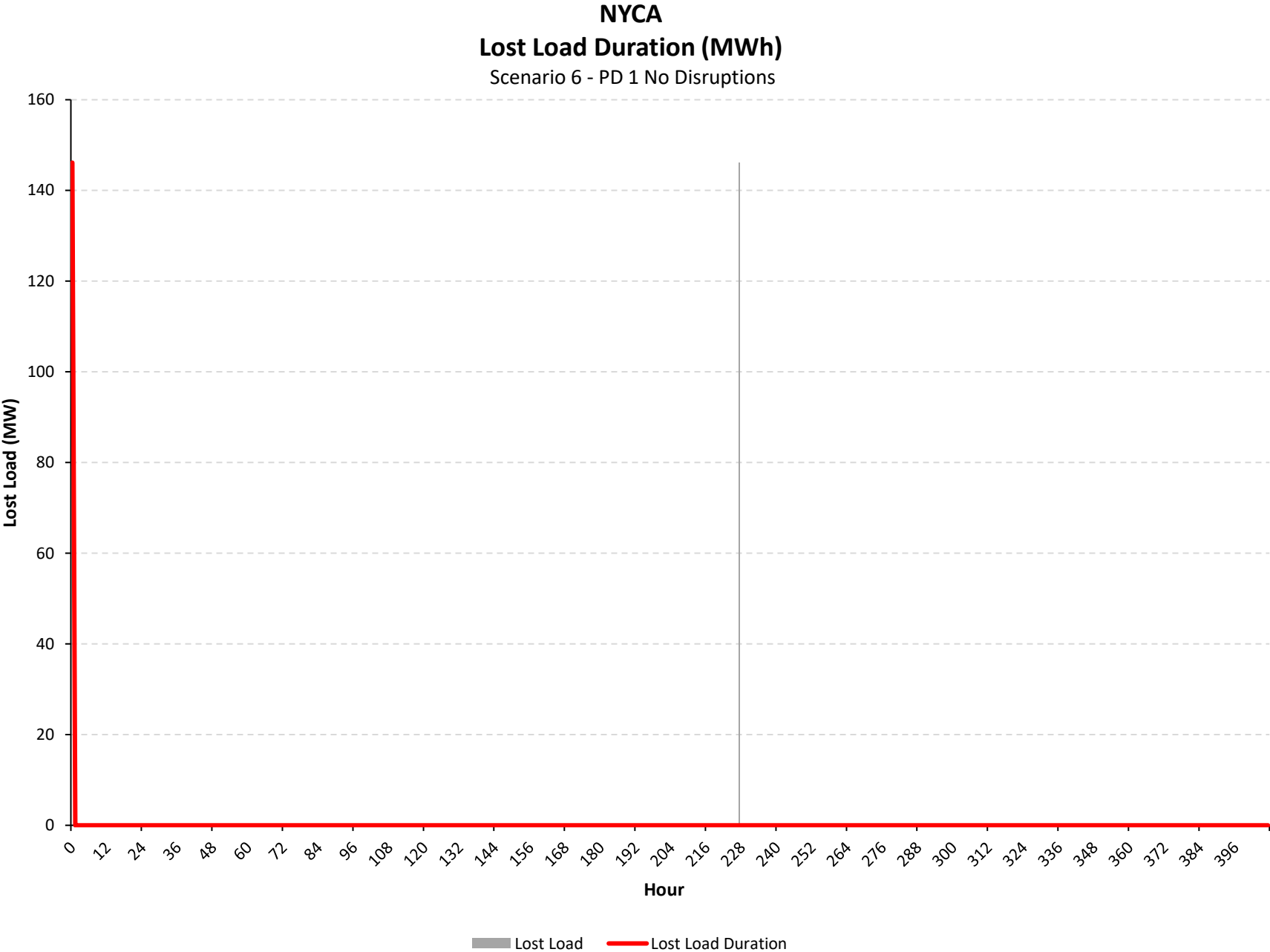
Scenario 6 - PD 1 No Disruptions



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



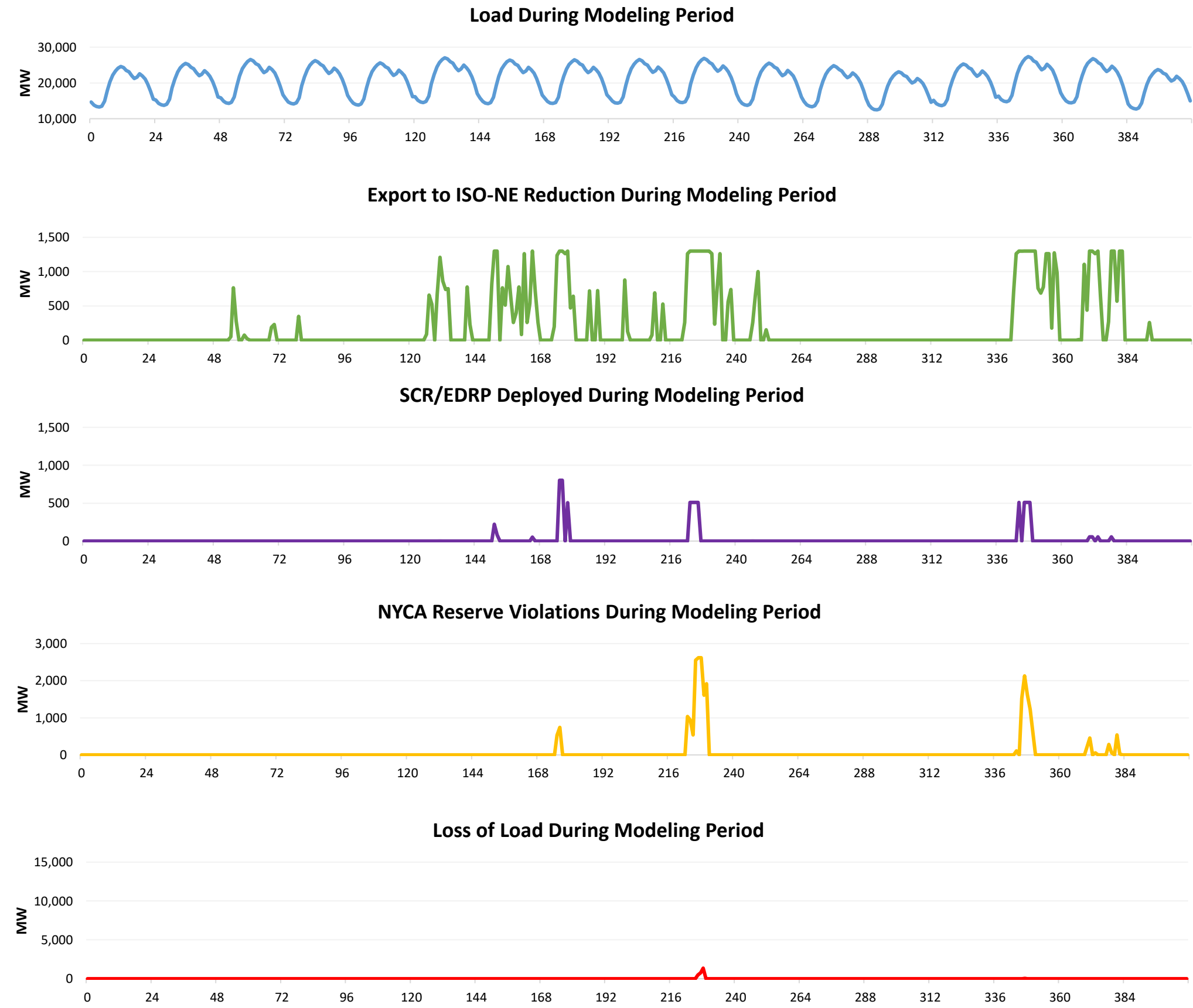


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 2 High Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 102    |
| Total MWh         | 82,854 |
| Avg. MW           | 203.1  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 18    |
| Total MWh      | 6,772 |
| Avg. MW        | 16.6  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 23     |
| Total MWh             | 23,977 |
| Avg. MW               | 58.8   |
| First Hour with Viol. | 175    |

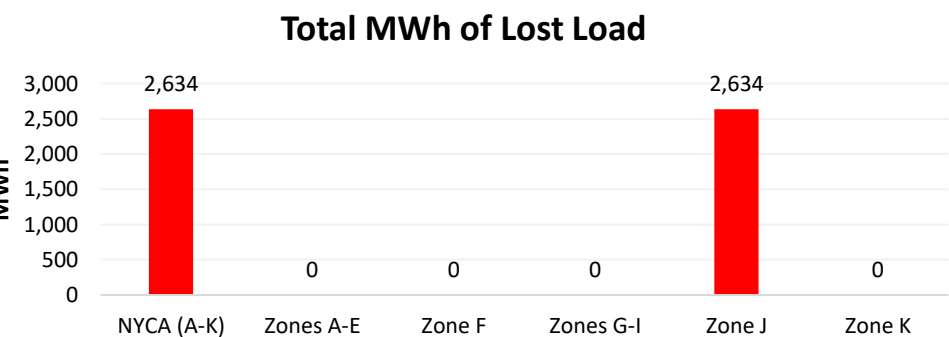
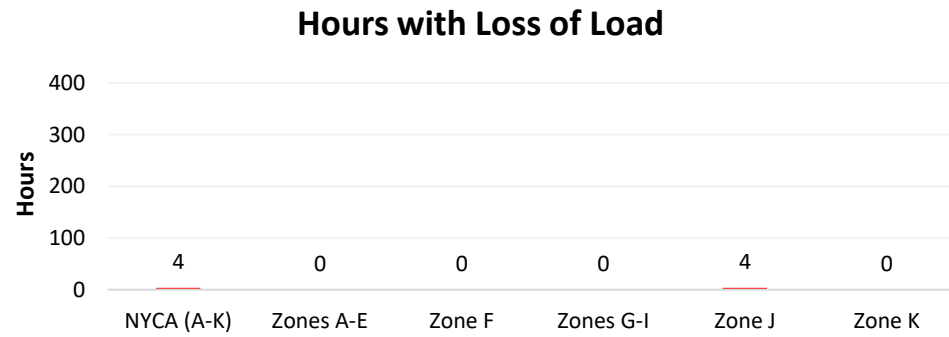
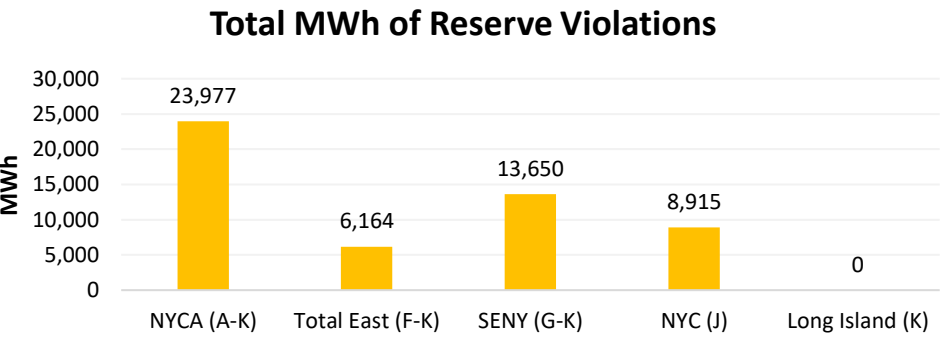
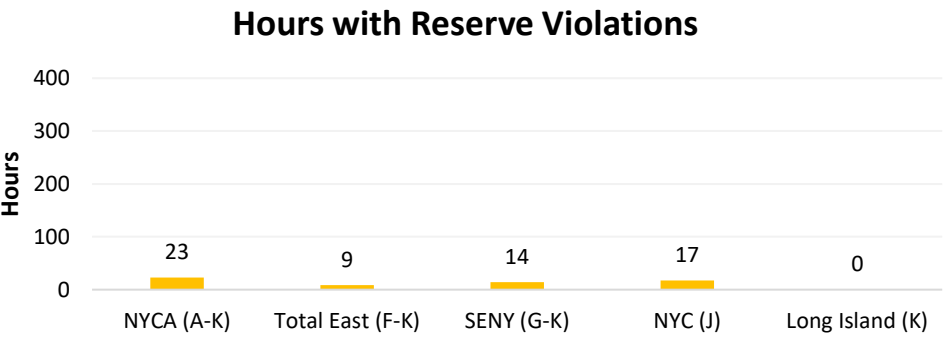
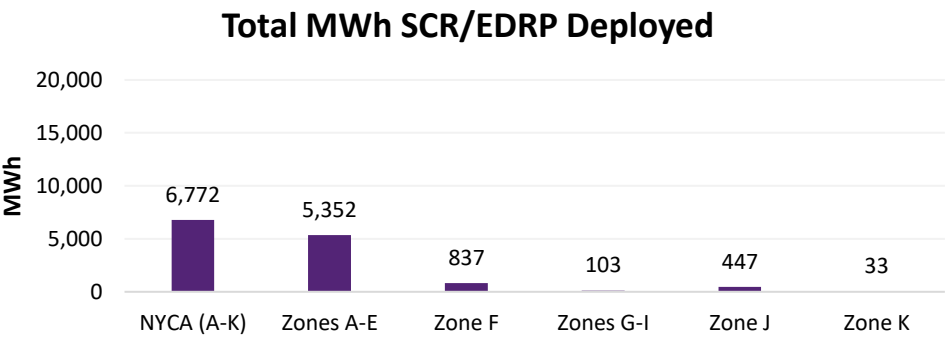
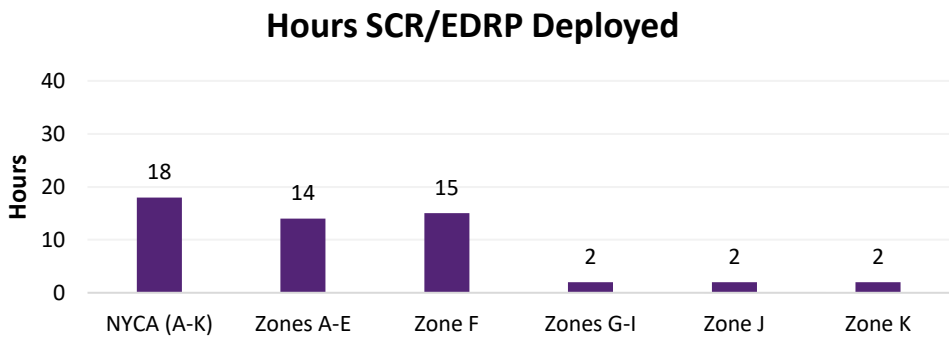
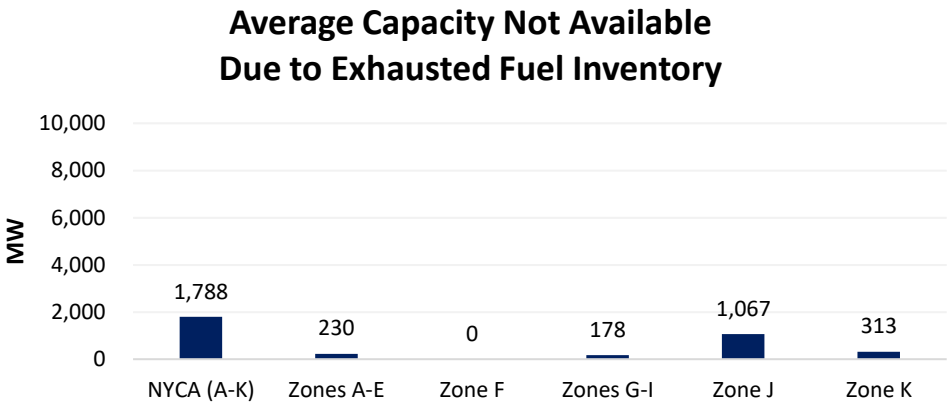
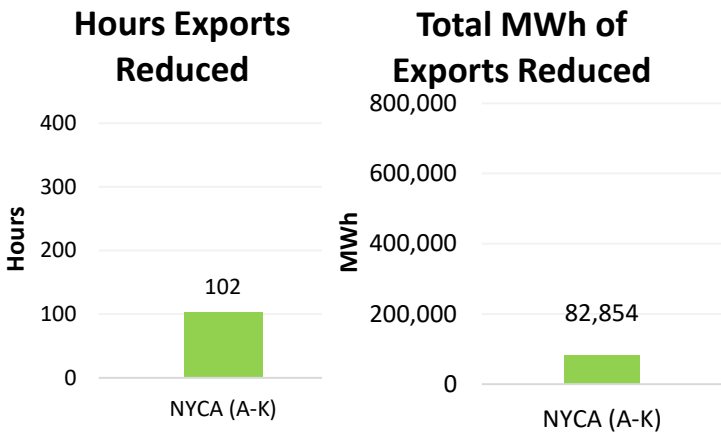
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 4     |
| Total MWh              | 2,634 |
| Avg. MW                | 6.5   |
| First Hour with Losses | 226   |

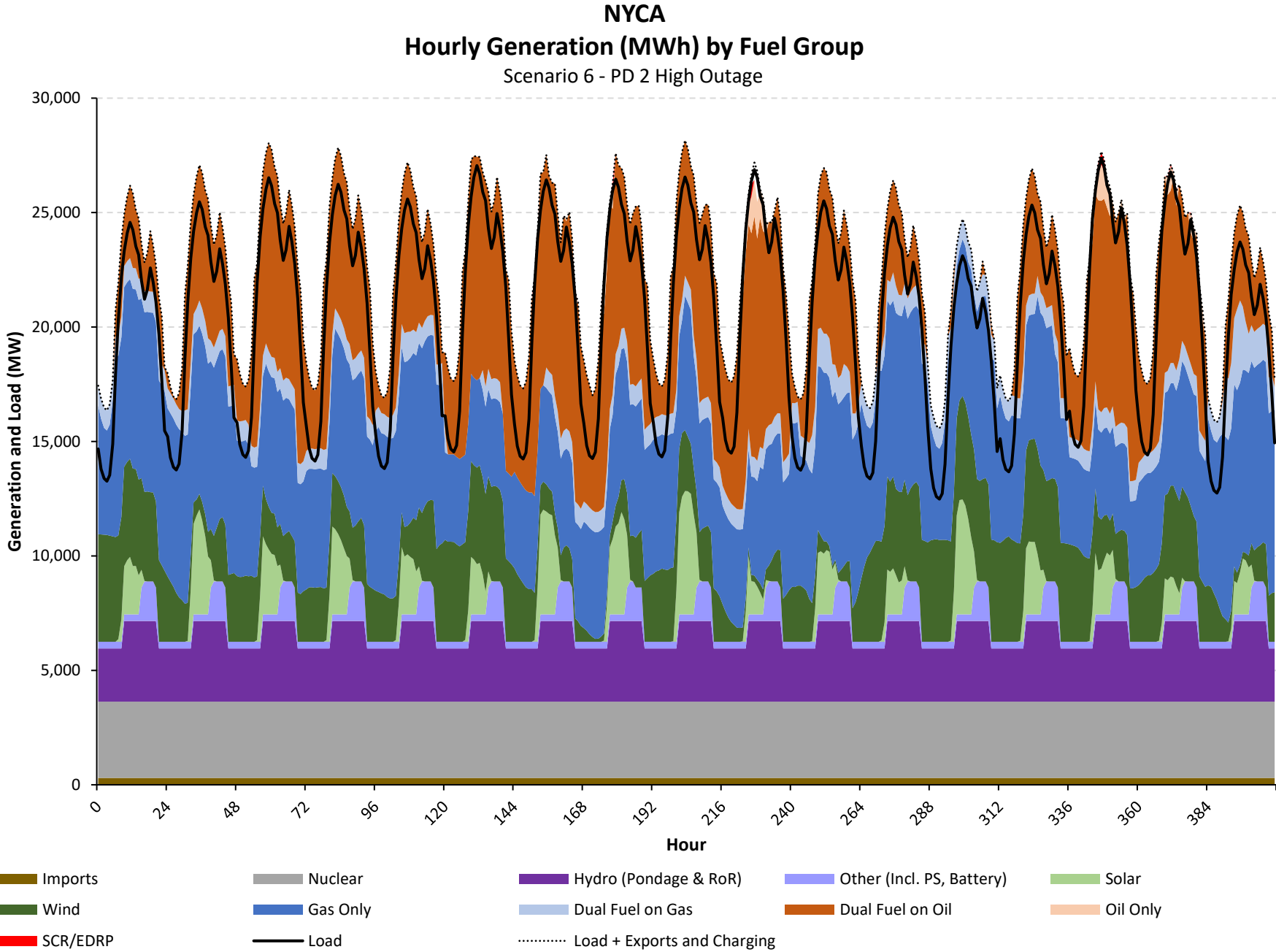


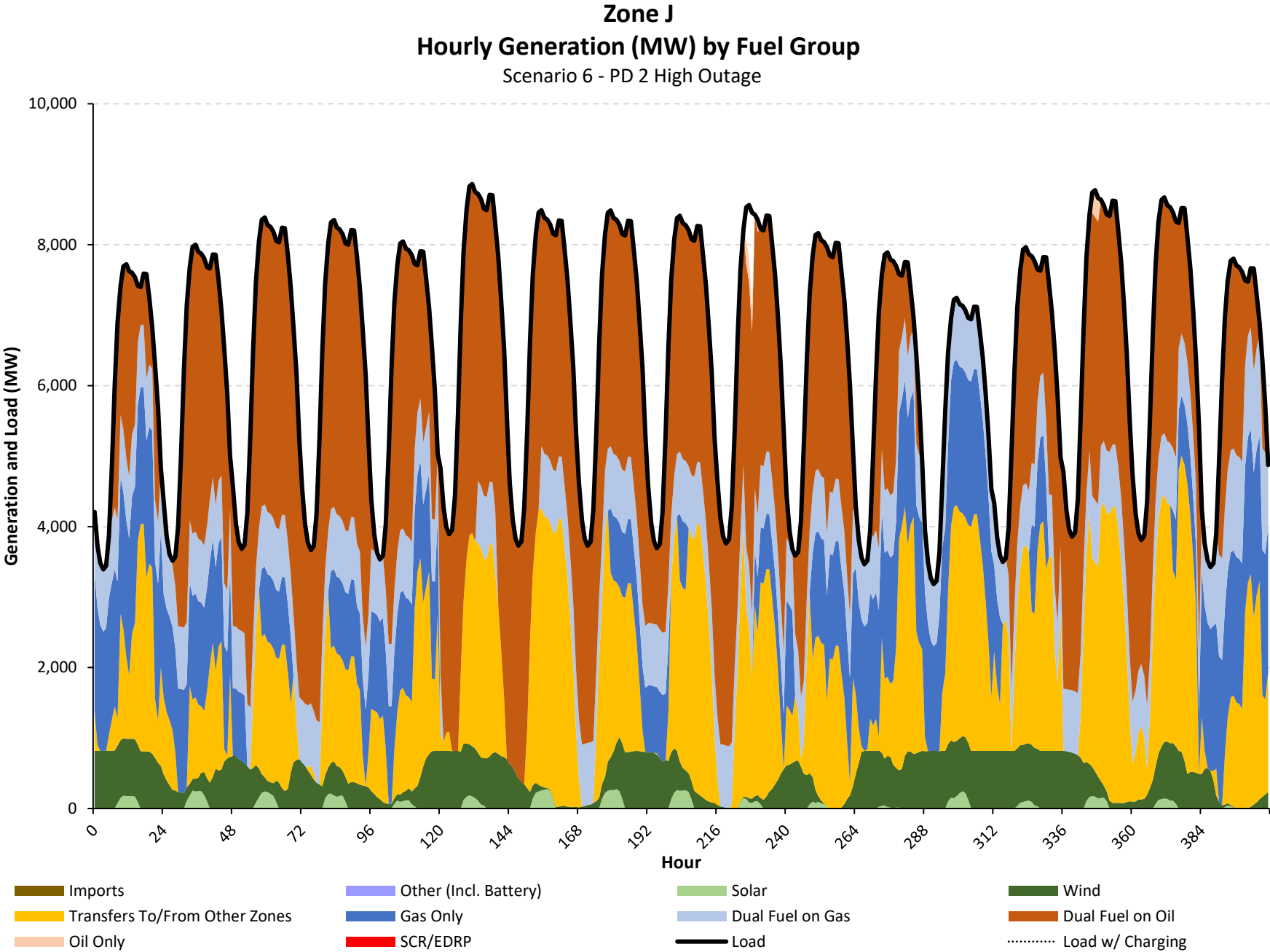
Full Period Results Summary

Case Name: Scenario 6 - PD 2 High Outage

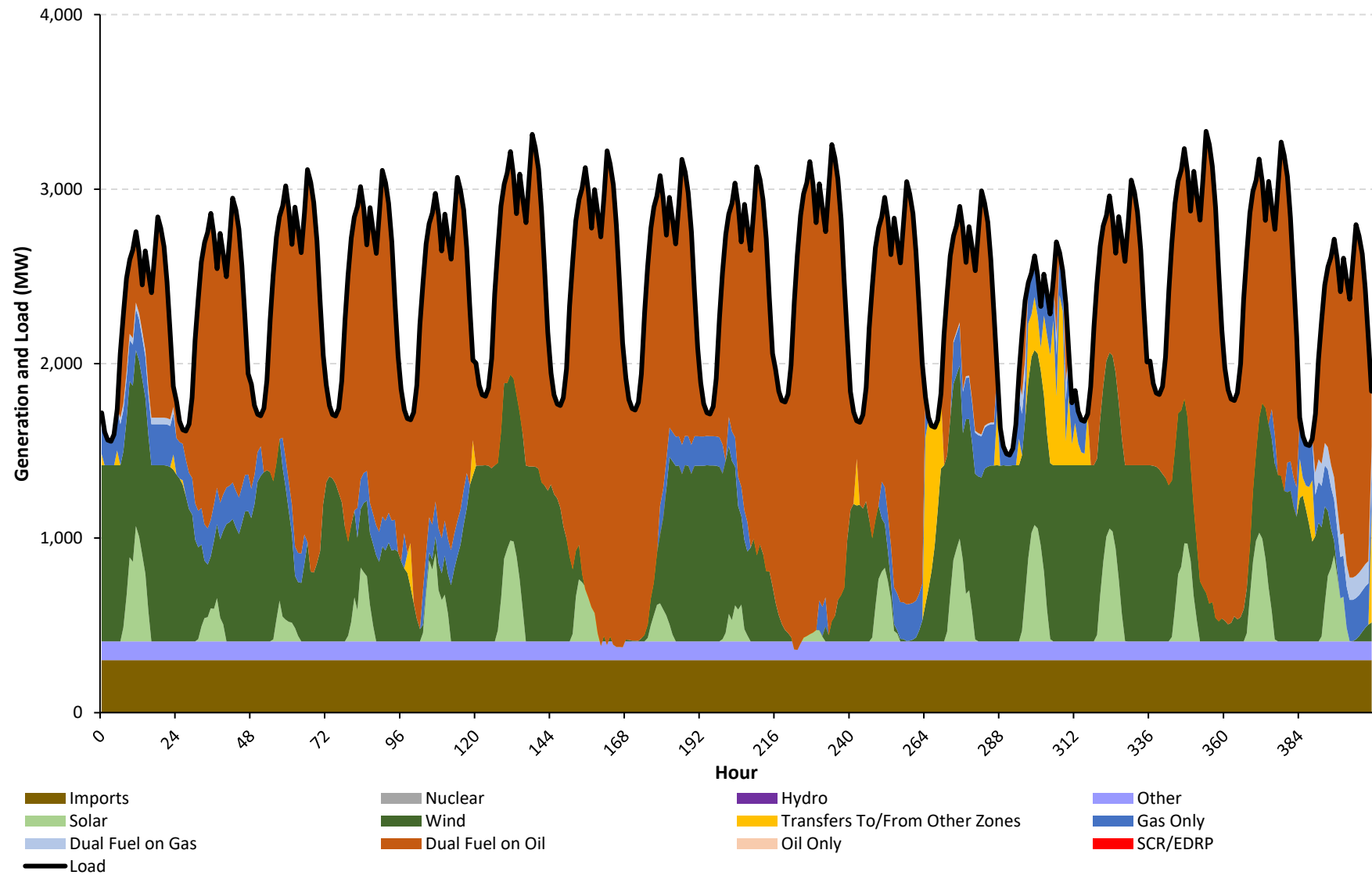
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



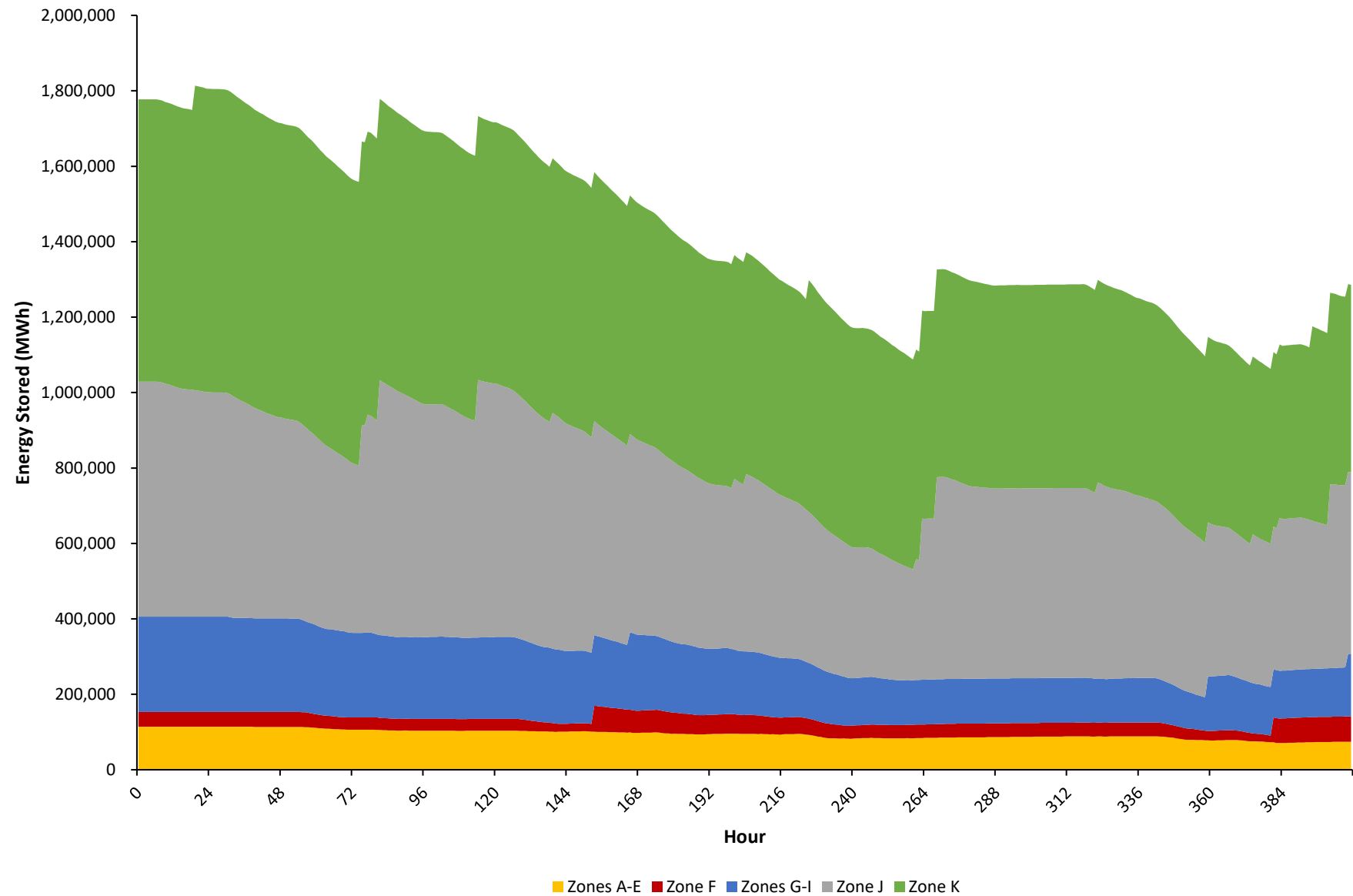


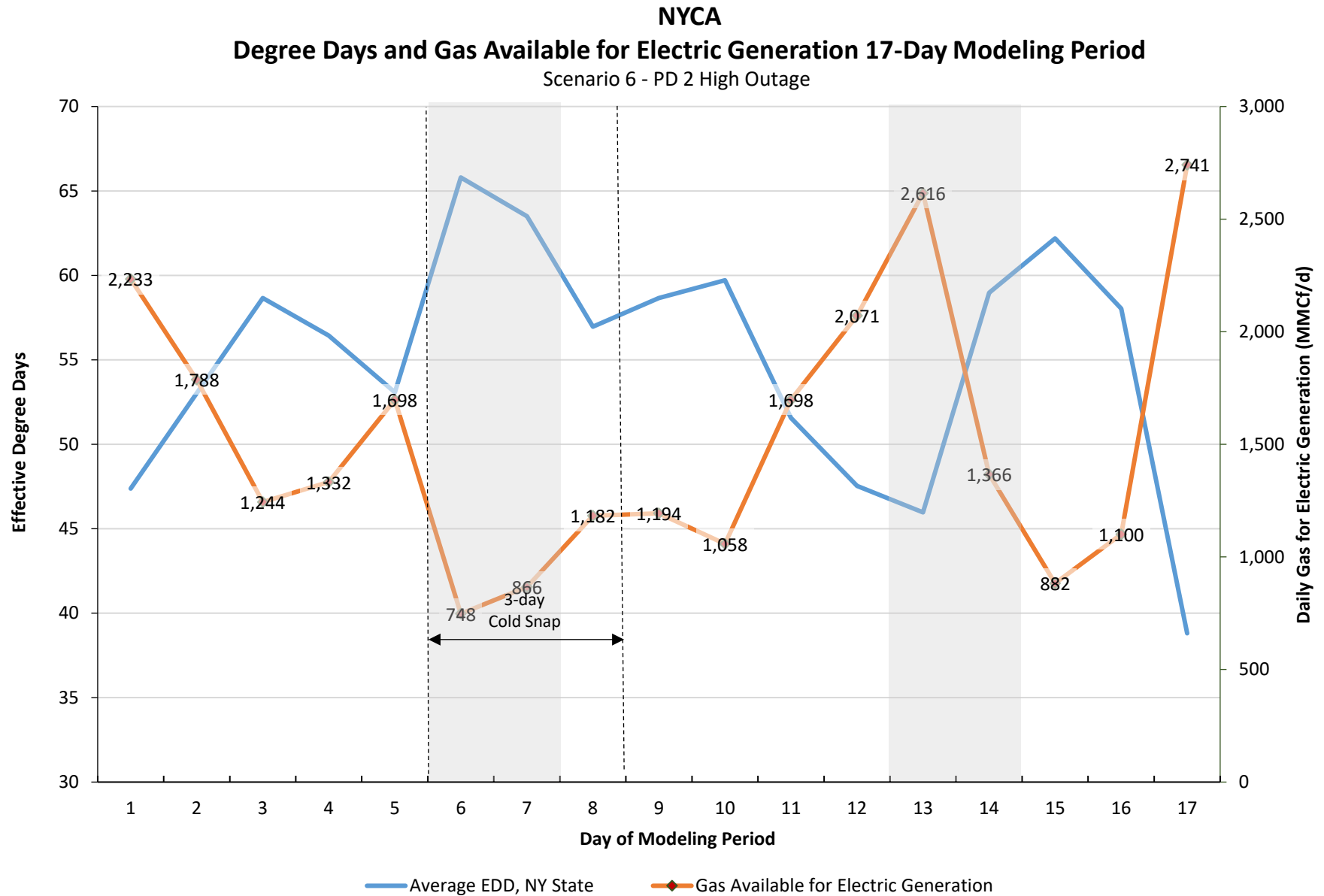


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 6 - PD 2 High Outage



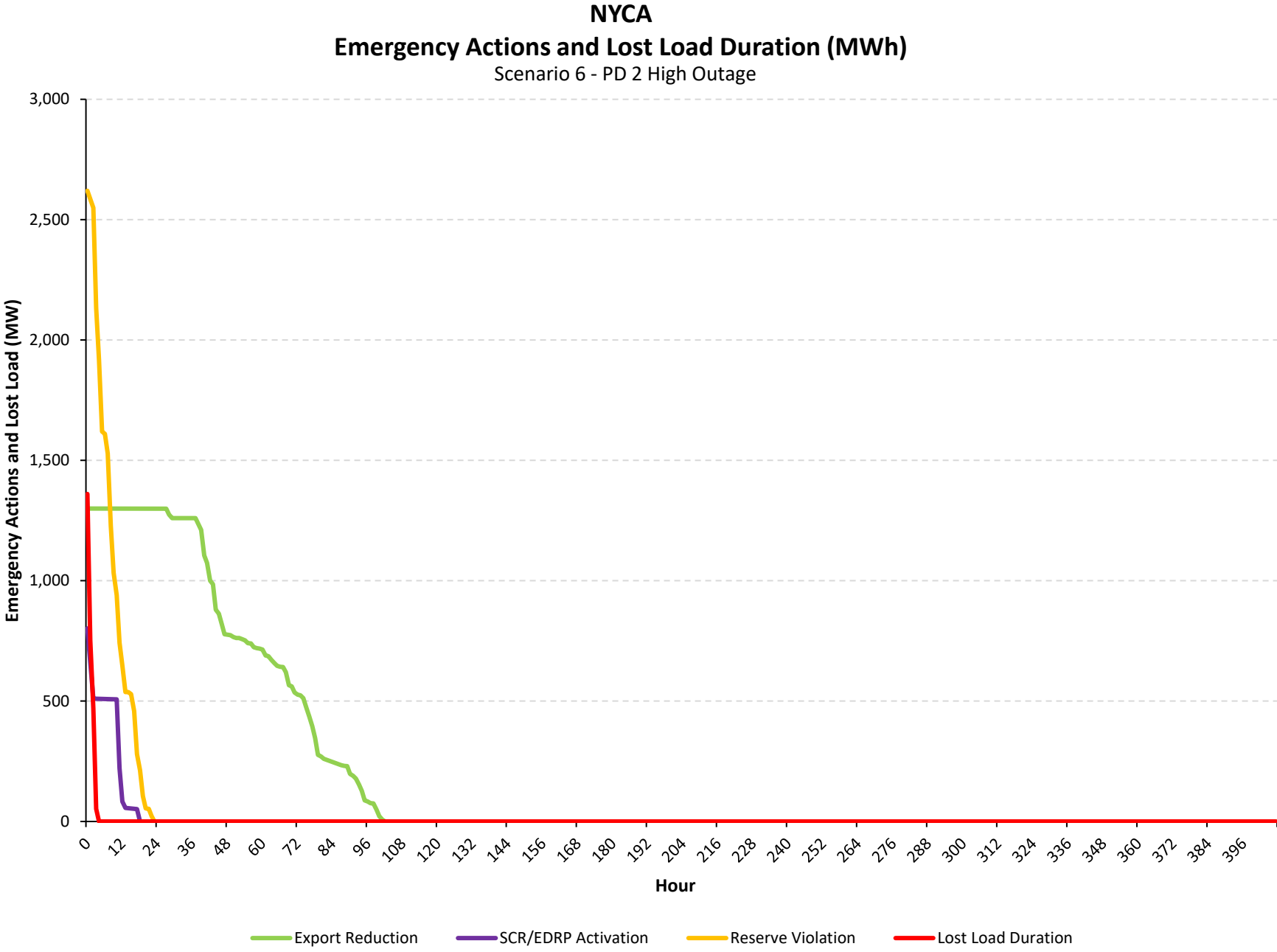
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 6 - PD 2 High Outage

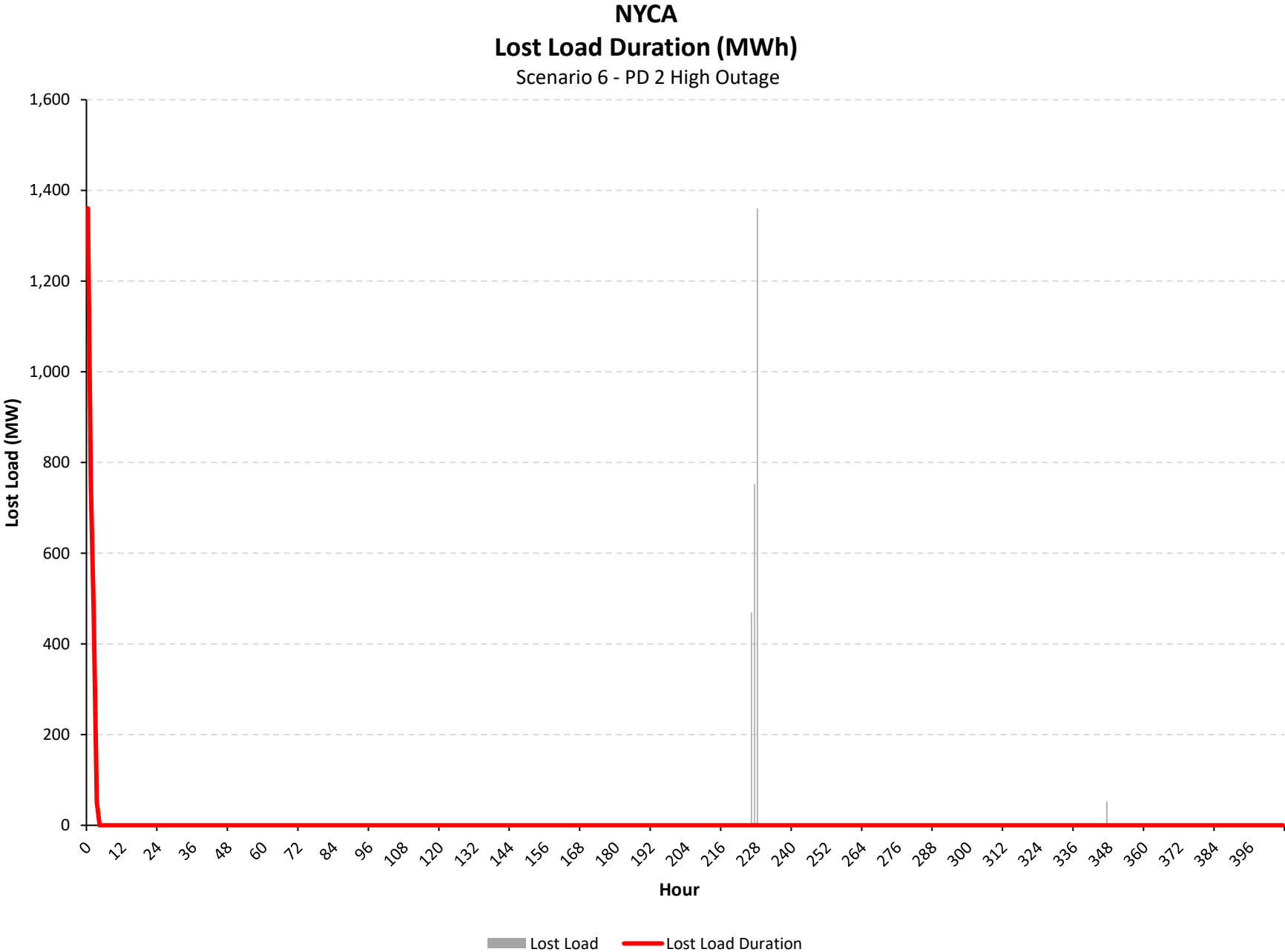




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





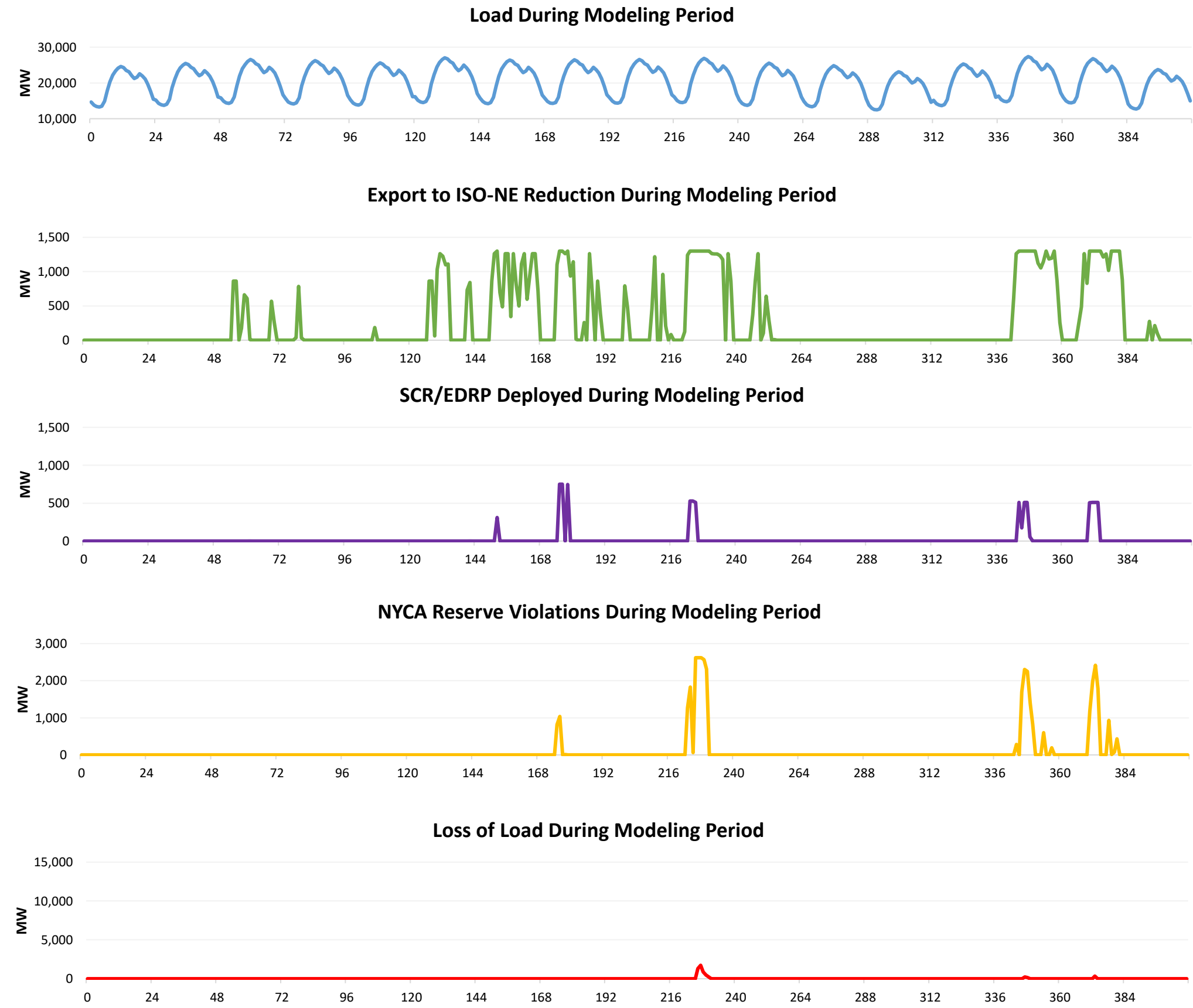


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 3 SENY Deactivation



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 123     |
| Total MWh         | 110,857 |
| Avg. MW           | 271.7   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 7,919 |
| Avg. MW        | 19.4  |

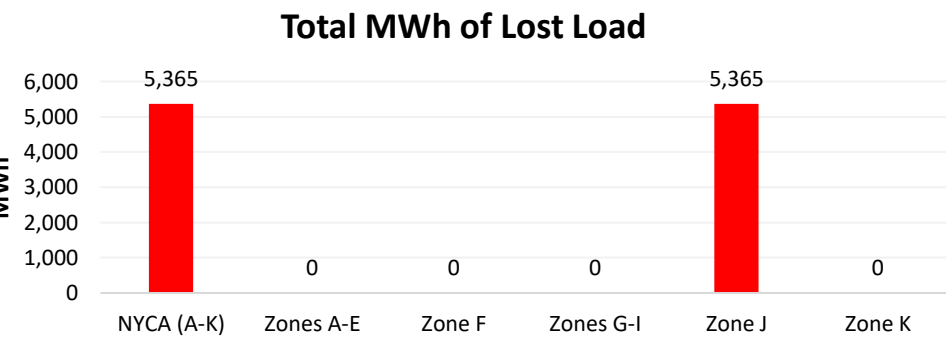
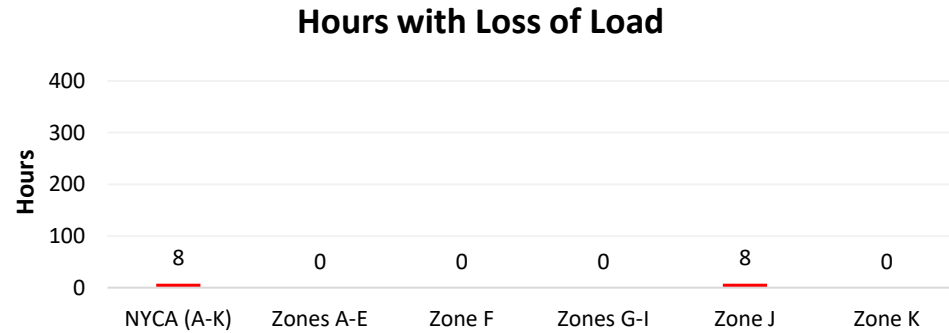
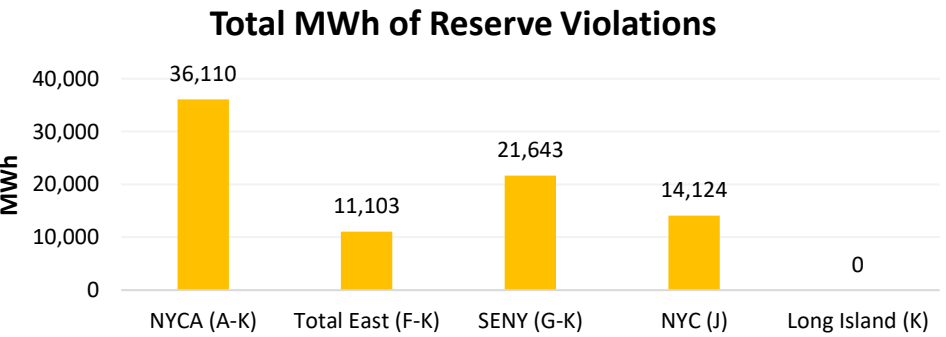
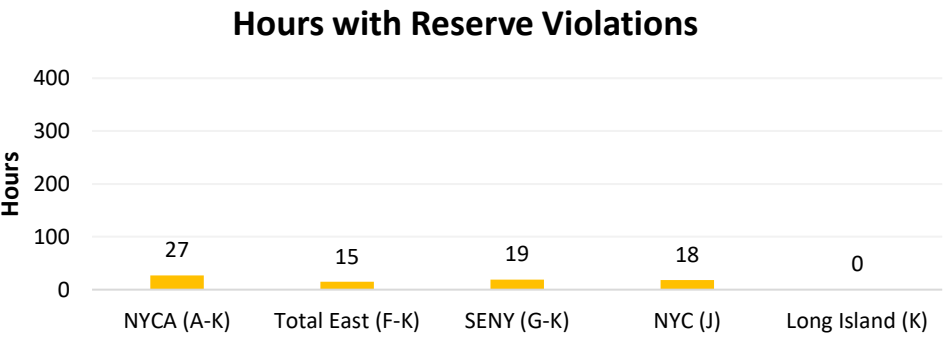
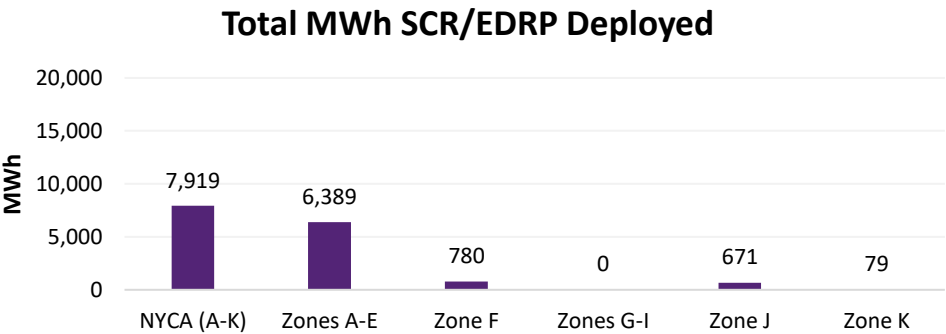
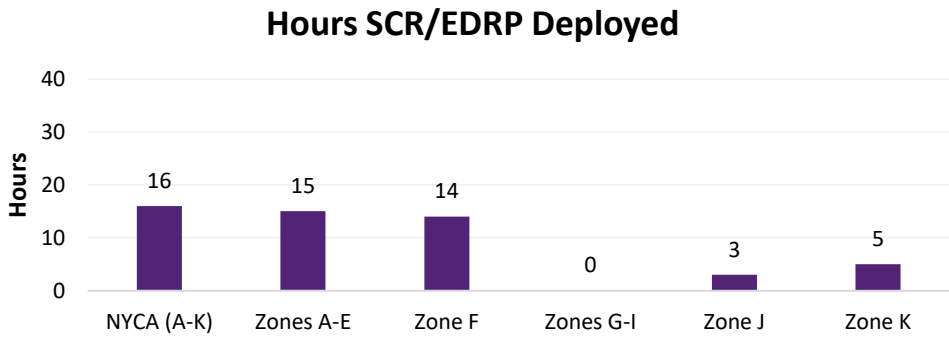
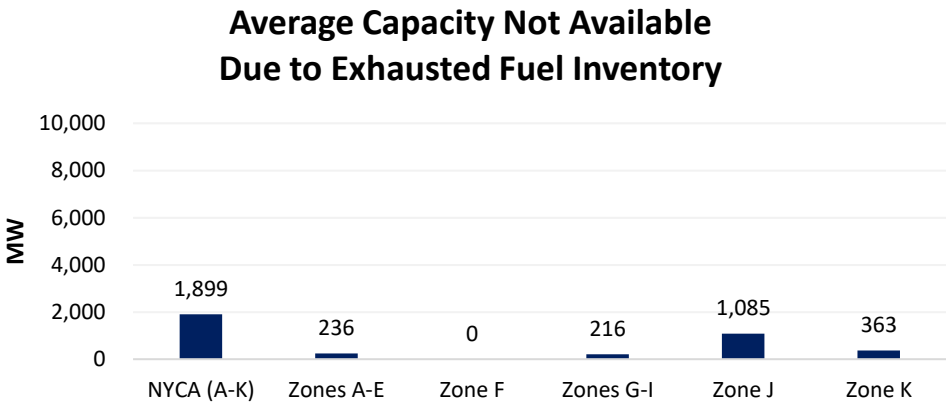
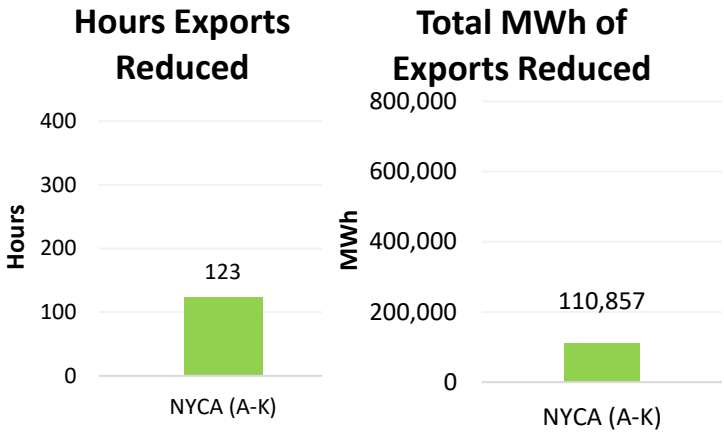
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 27     |
| Total MWh             | 36,110 |
| Avg. MW               | 88.5   |
| First Hour with Viol. | 175    |

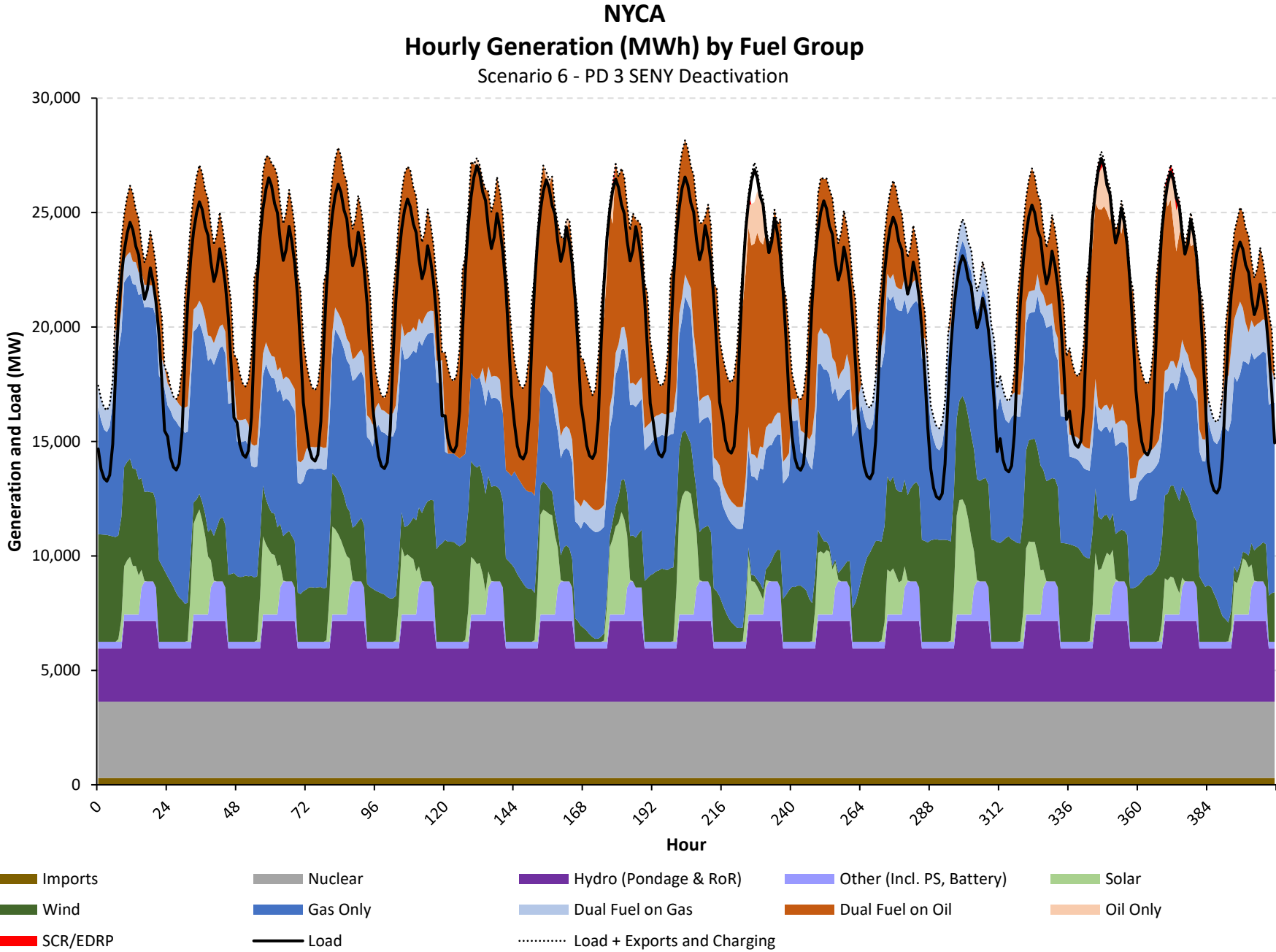
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 8     |
| Total MWh              | 5,365 |
| Avg. MW                | 13.1  |
| First Hour with Losses | 226   |

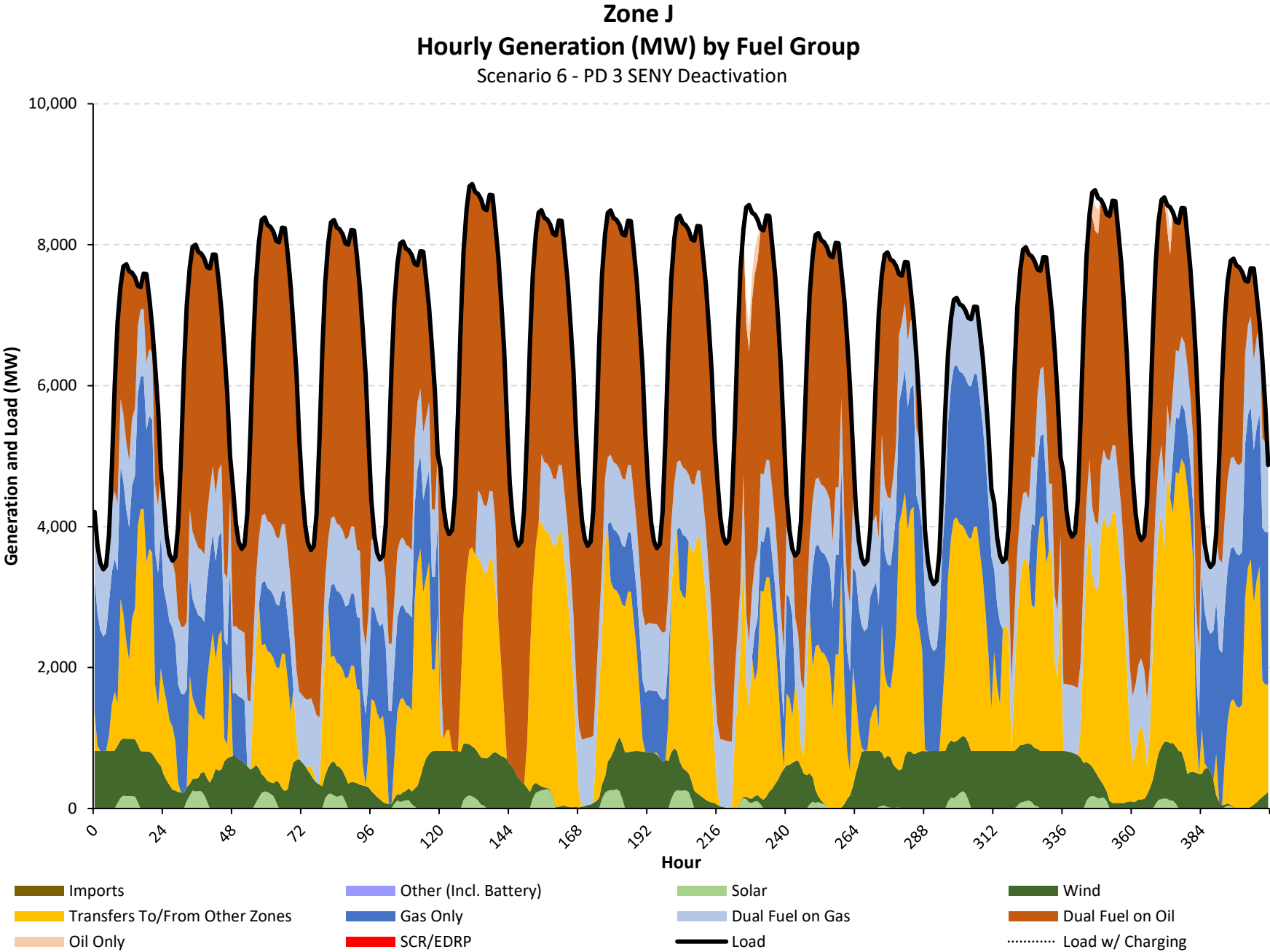
Full Period Results Summary

Case Name: Scenario 6 - PD 3 SENY Deactivation

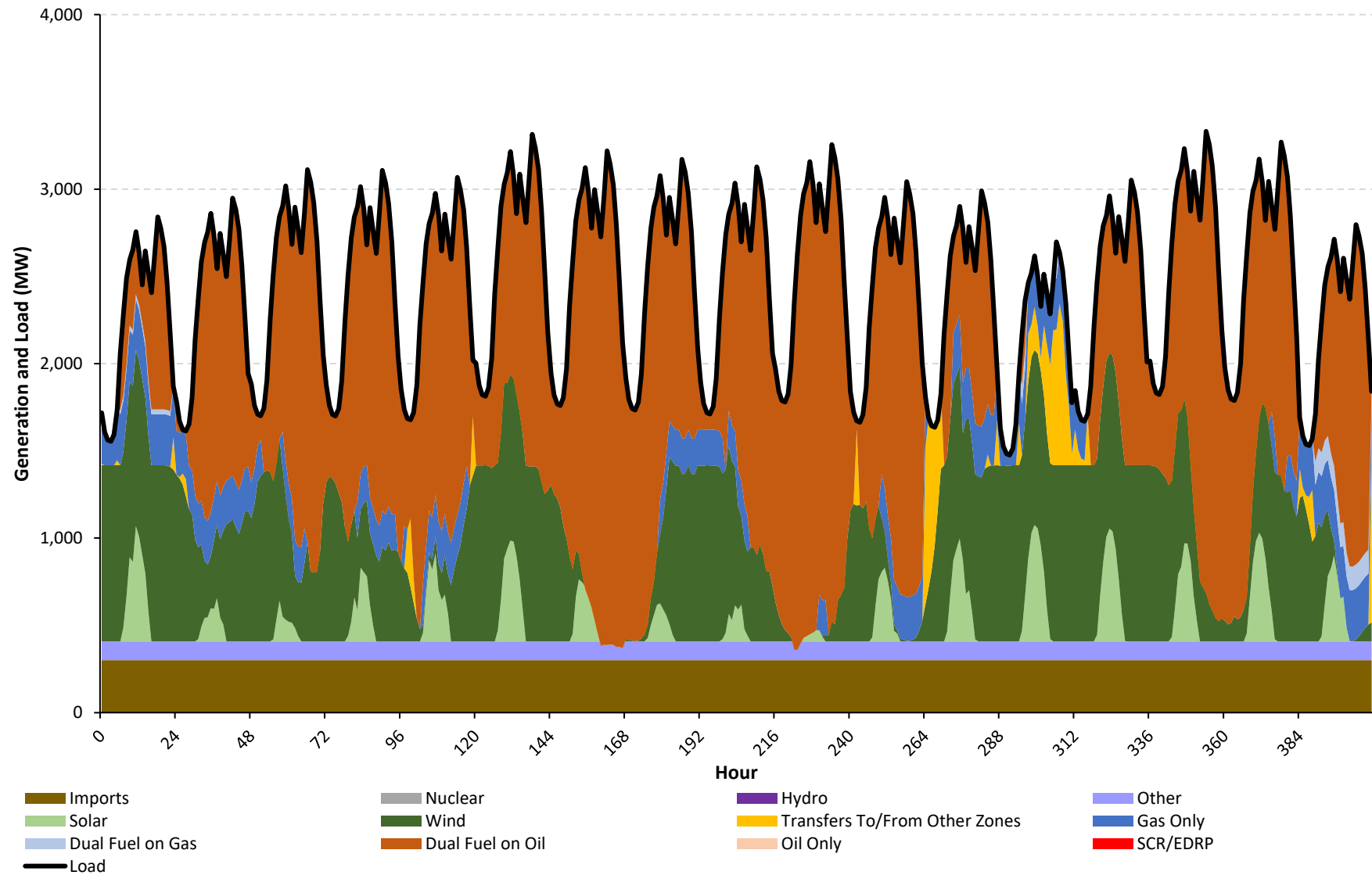
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | Roseton    |
| Import Scenario:         | Net Zero   |

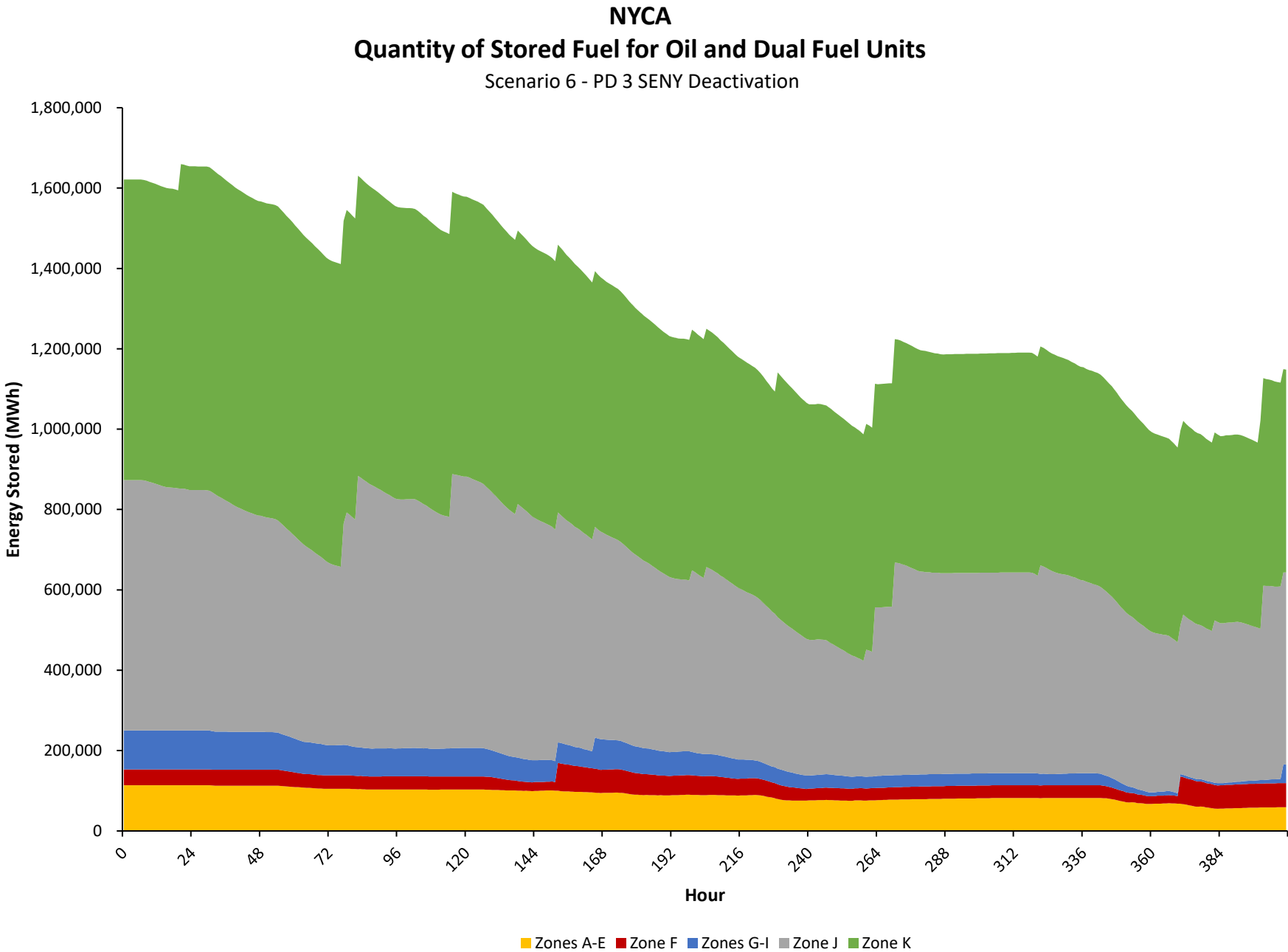


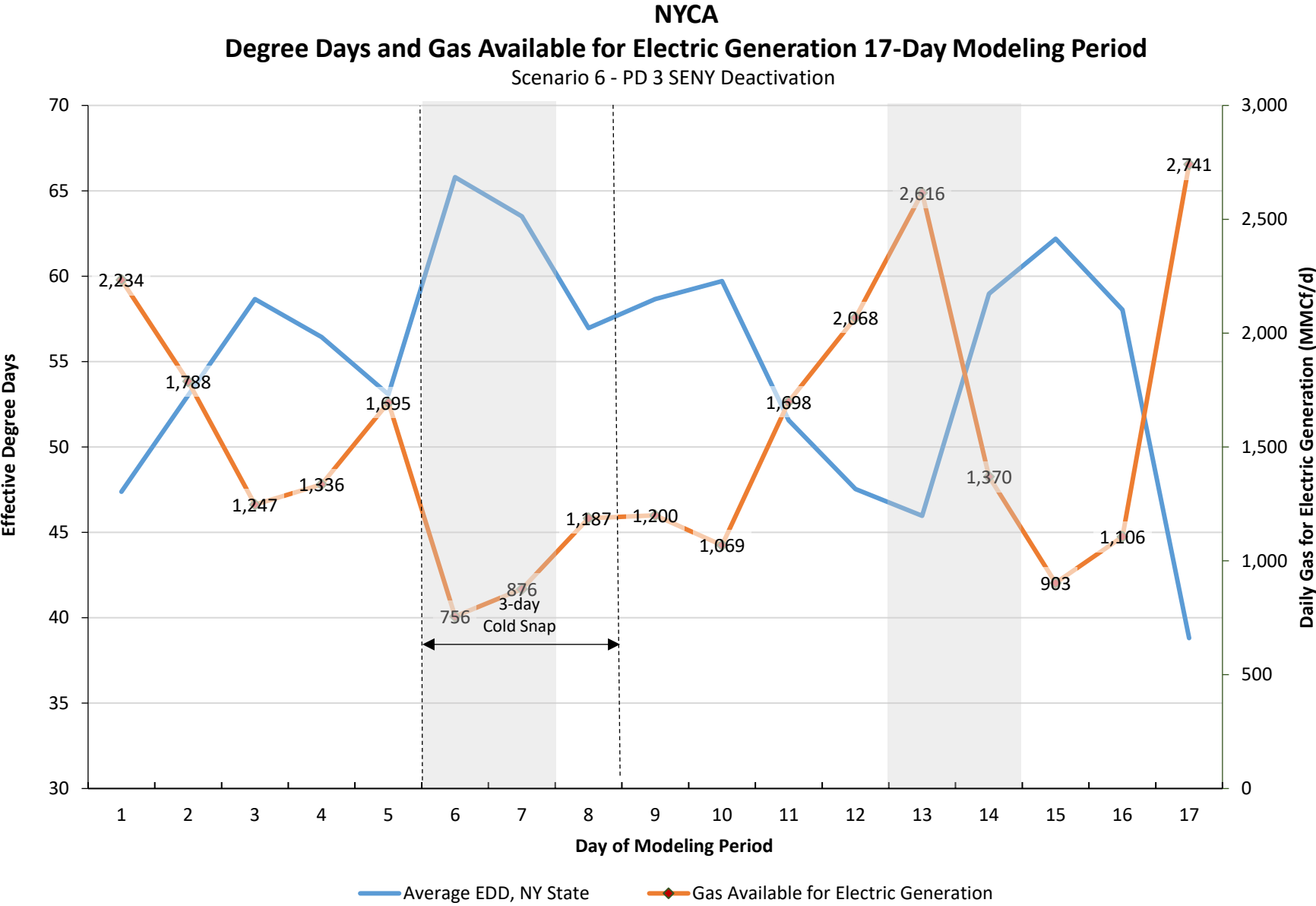




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 3 SENY Deactivation

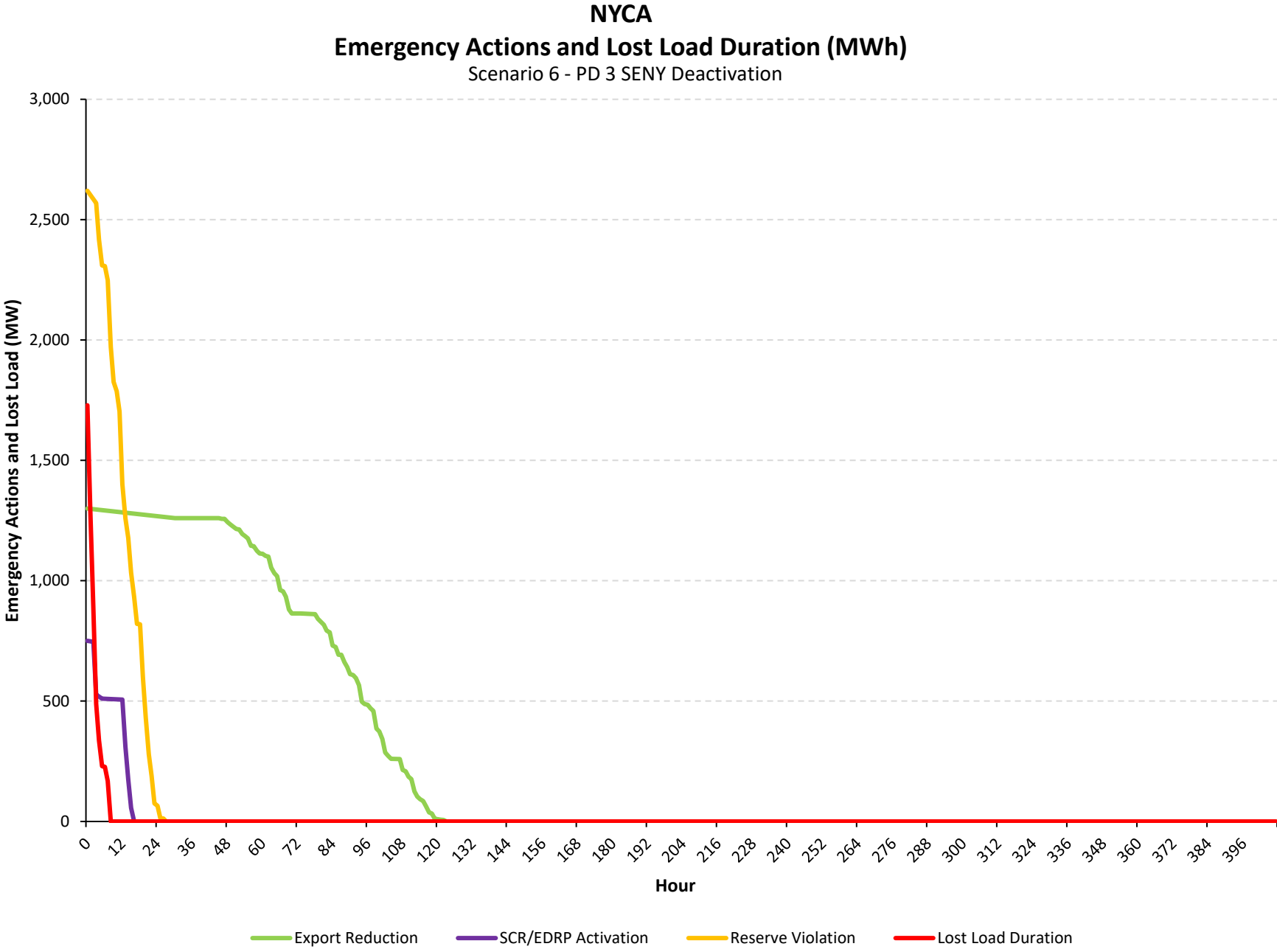


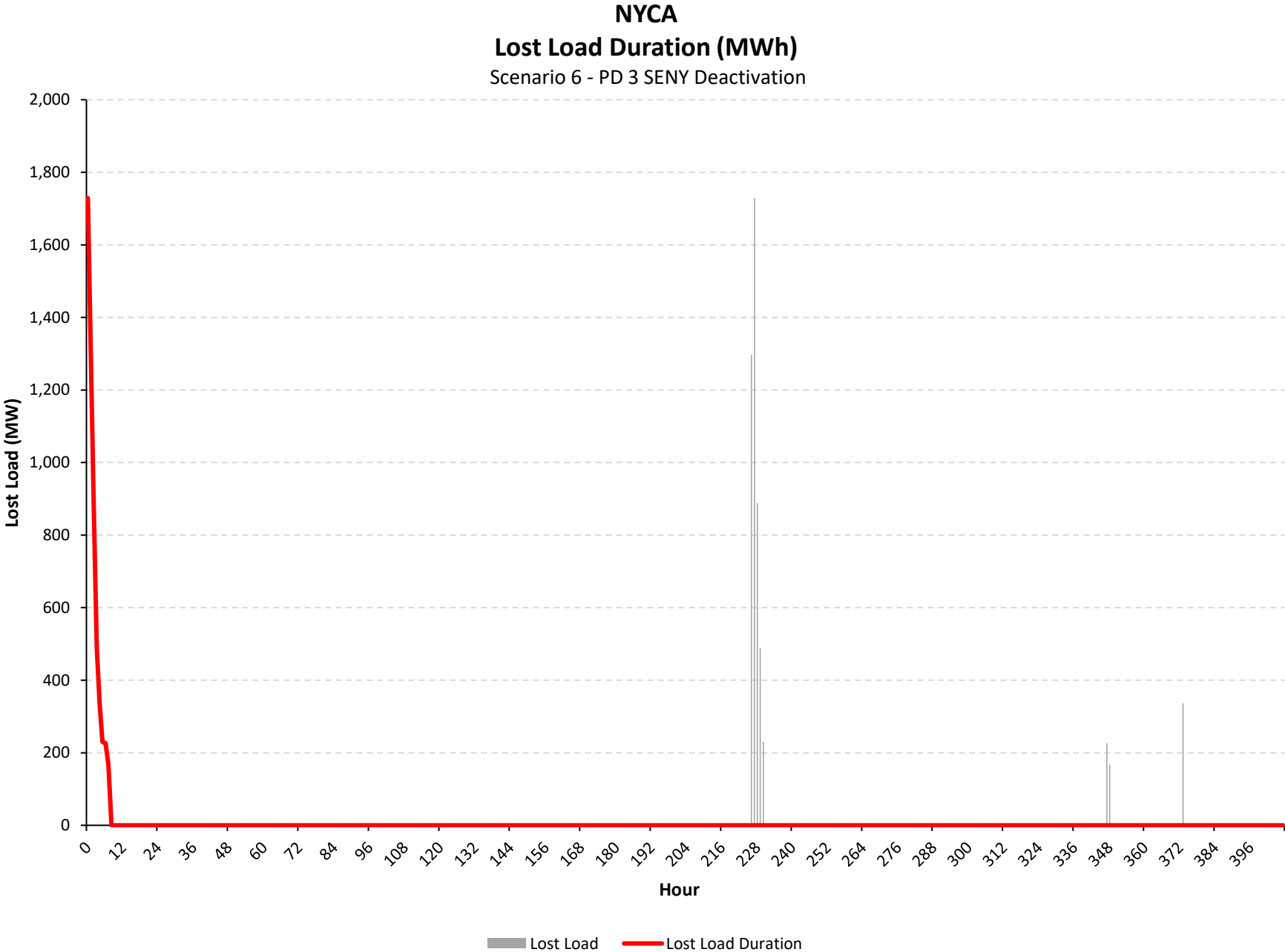




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





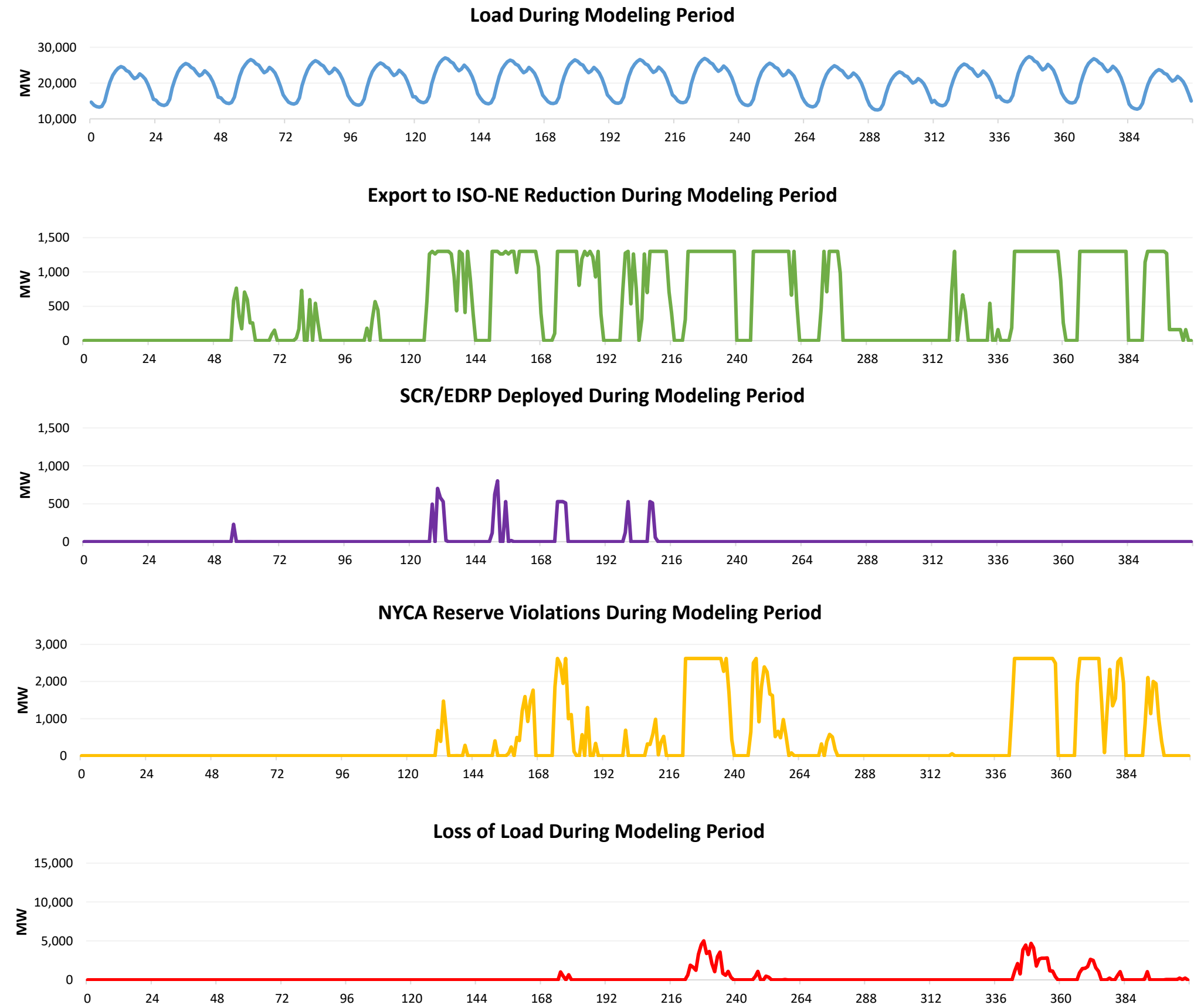


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 4 Nuclear Station Outage



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 197     |
| Total MWh         | 205,022 |
| Avg. MW           | 502.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 20    |
| Total MWh      | 8,469 |
| Avg. MW        | 20.8  |

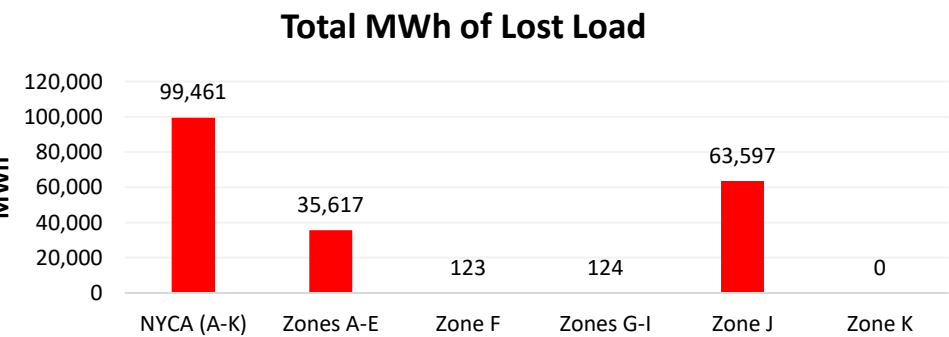
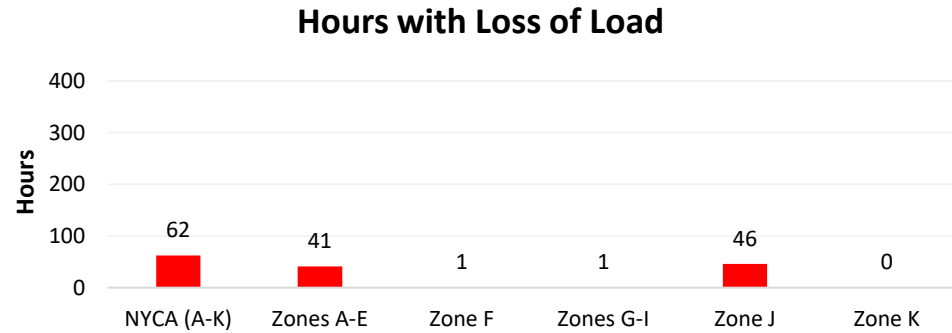
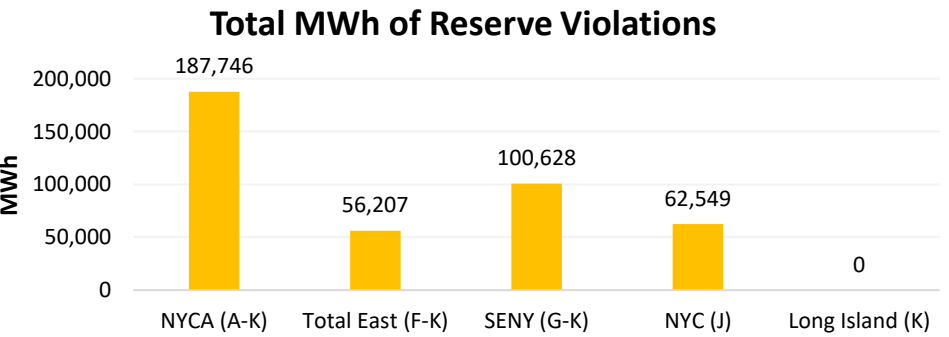
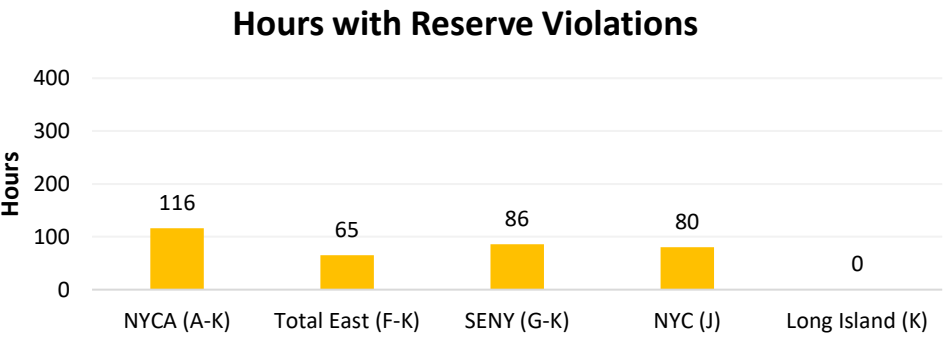
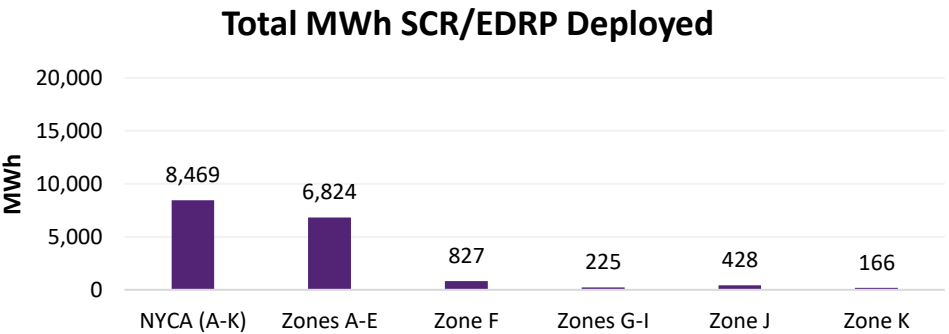
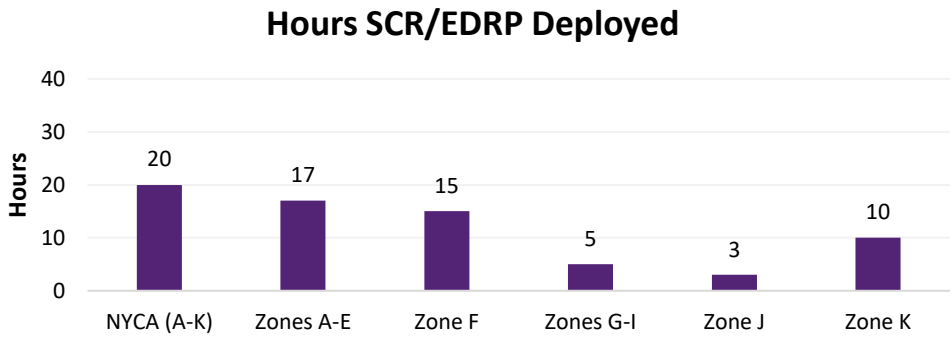
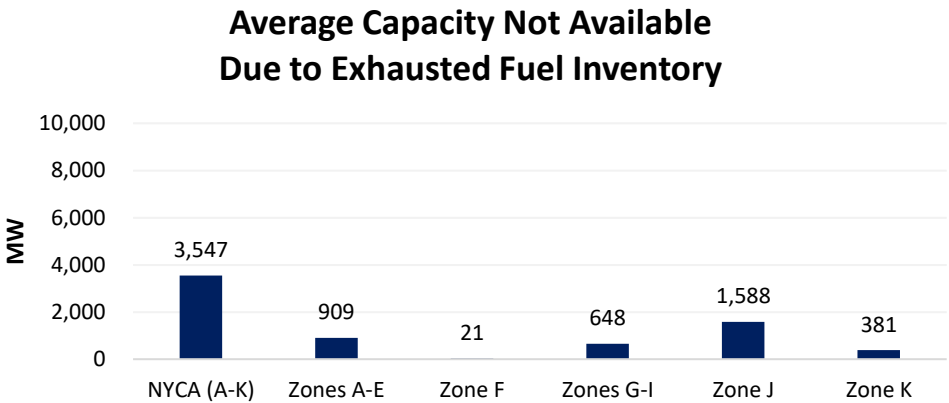
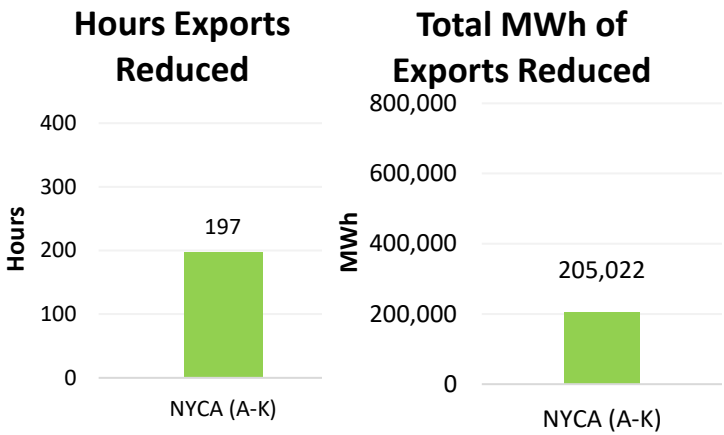
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 116     |
| Total MWh             | 187,746 |
| Avg. MW               | 460.2   |
| First Hour with Viol. | 131     |

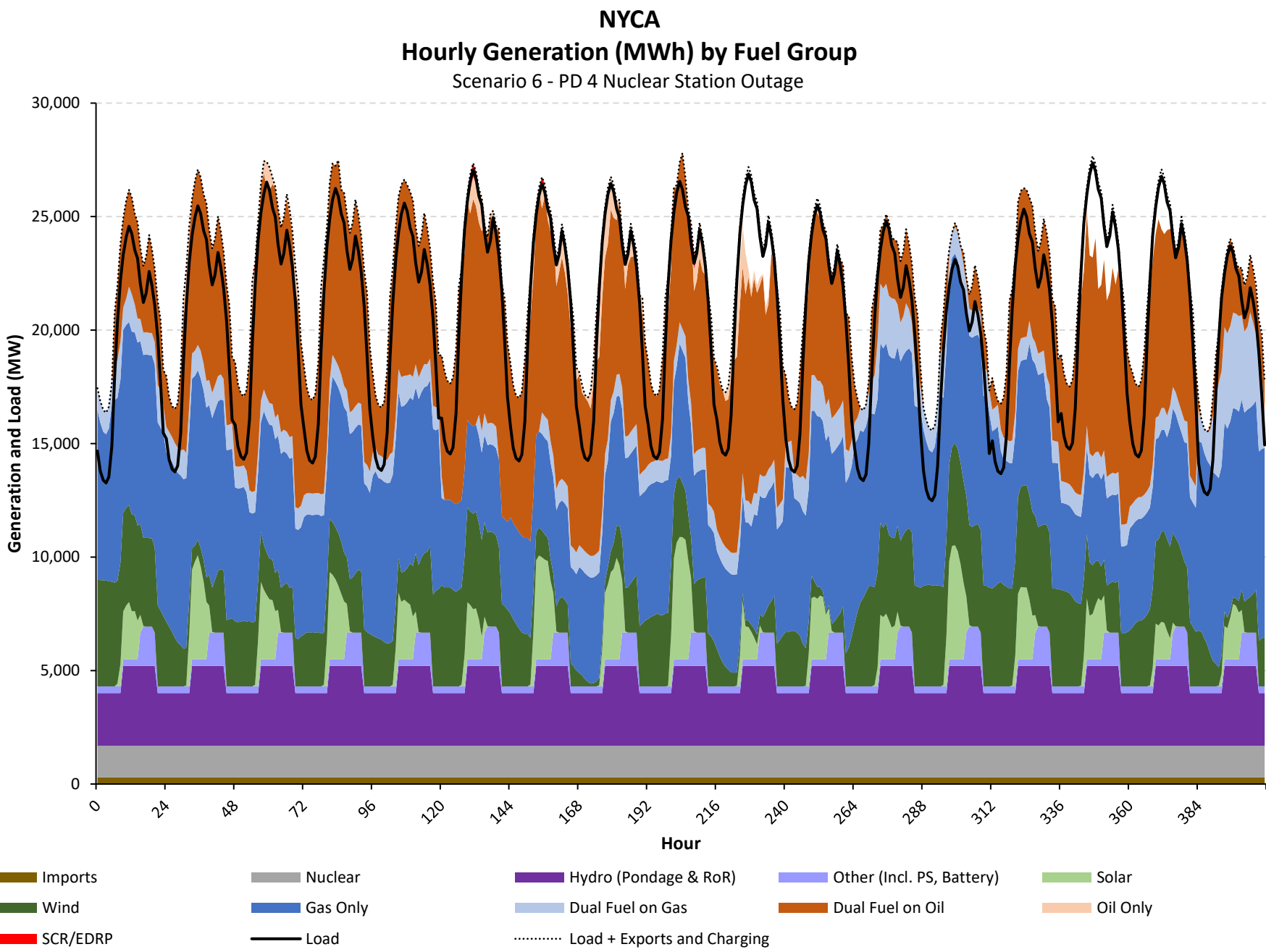
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 62     |
| Total MWh              | 99,461 |
| Avg. MW                | 243.8  |
| First Hour with Losses | 175    |

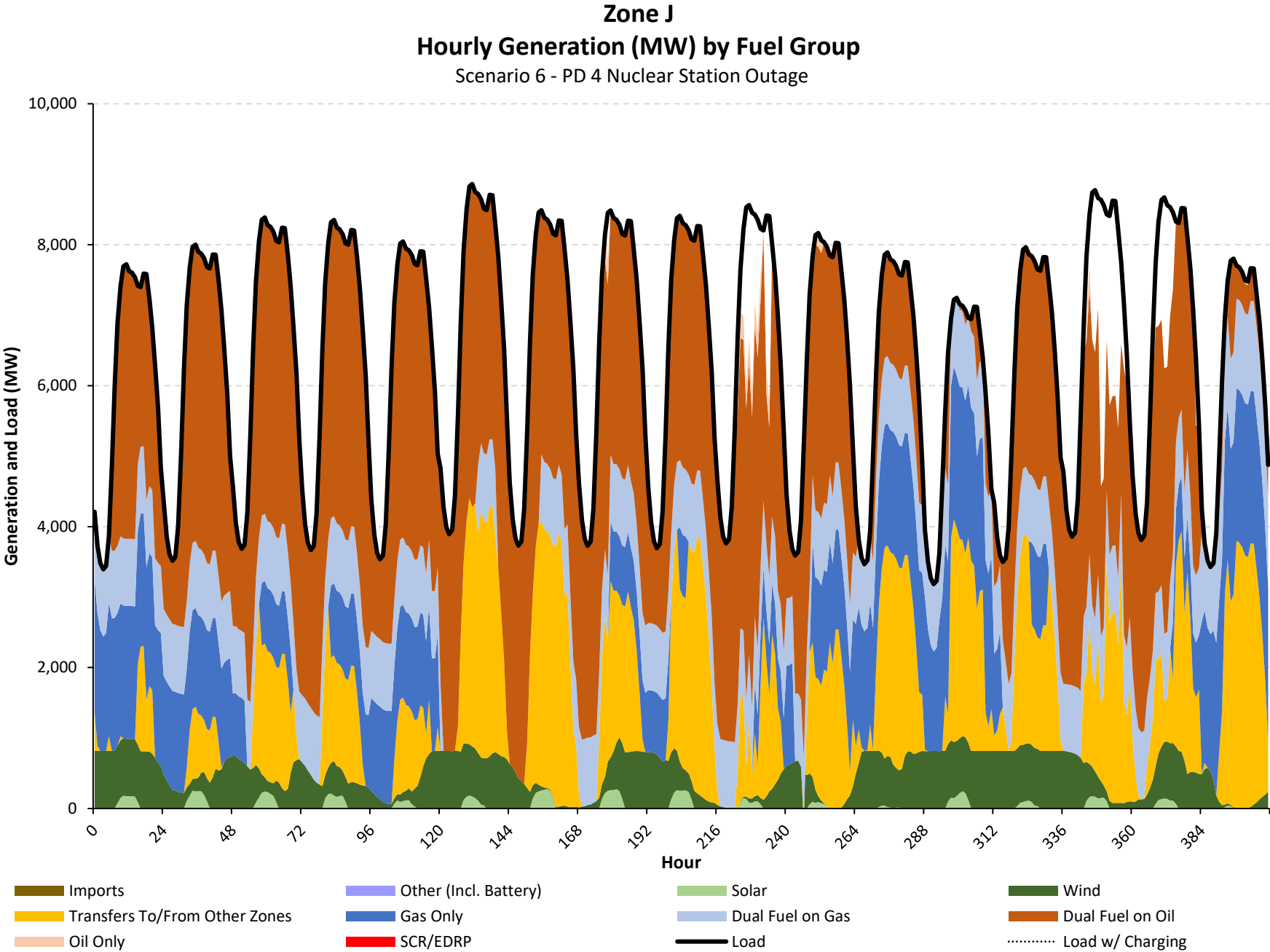
Full Period Results Summary

Case Name: Scenario 6 - PD 4 Nuclear Station Outage

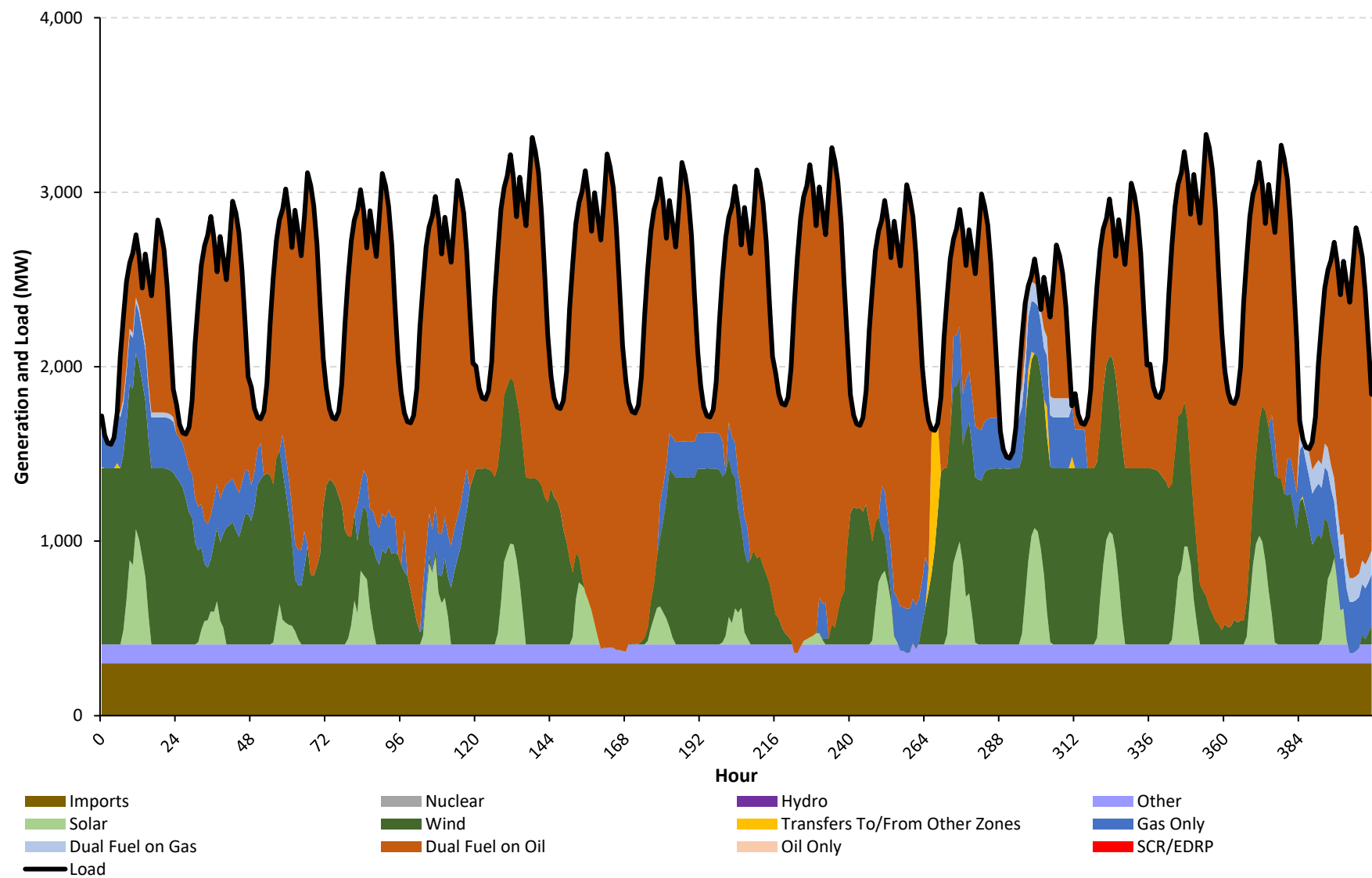
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | On         |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



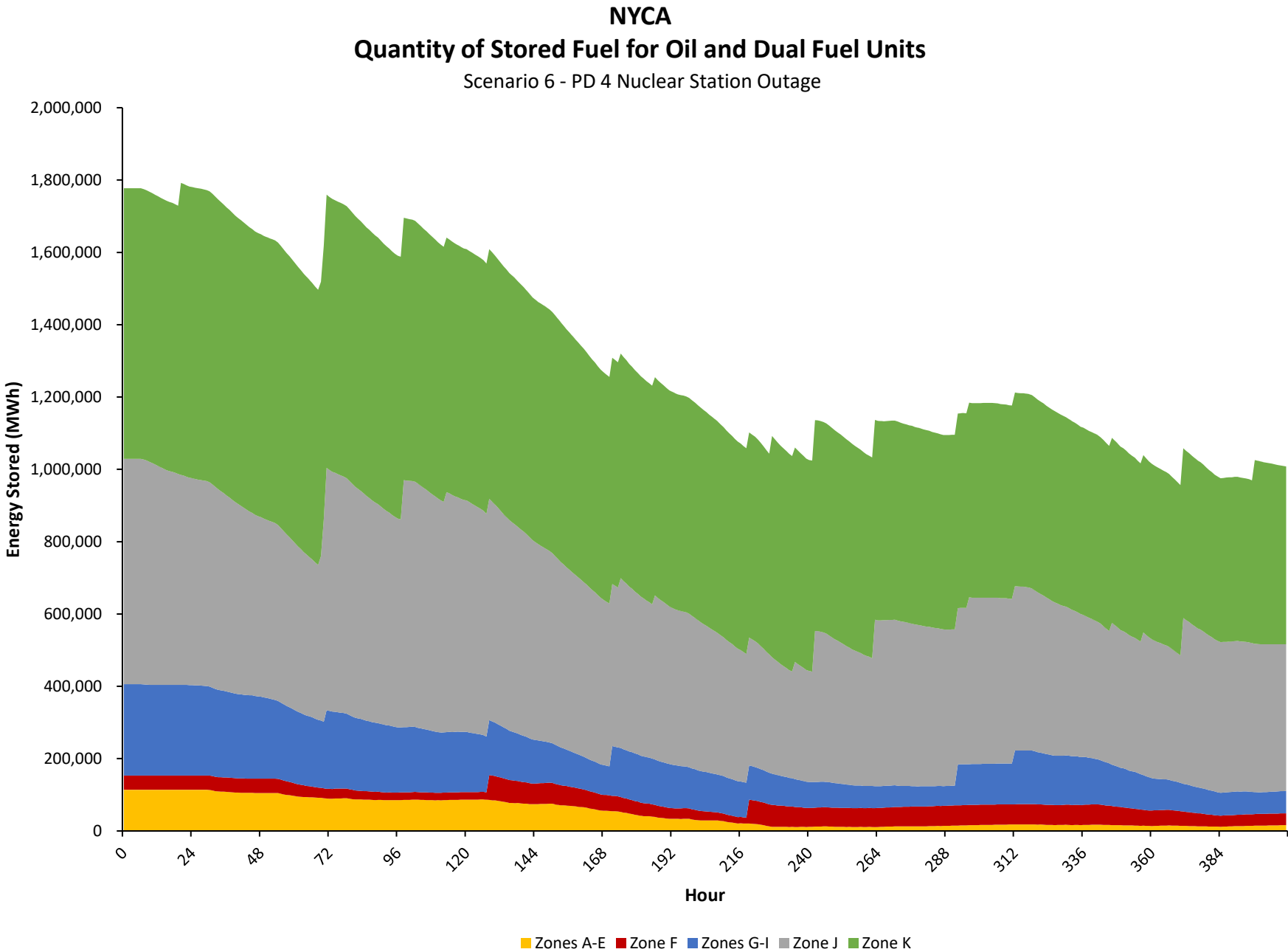


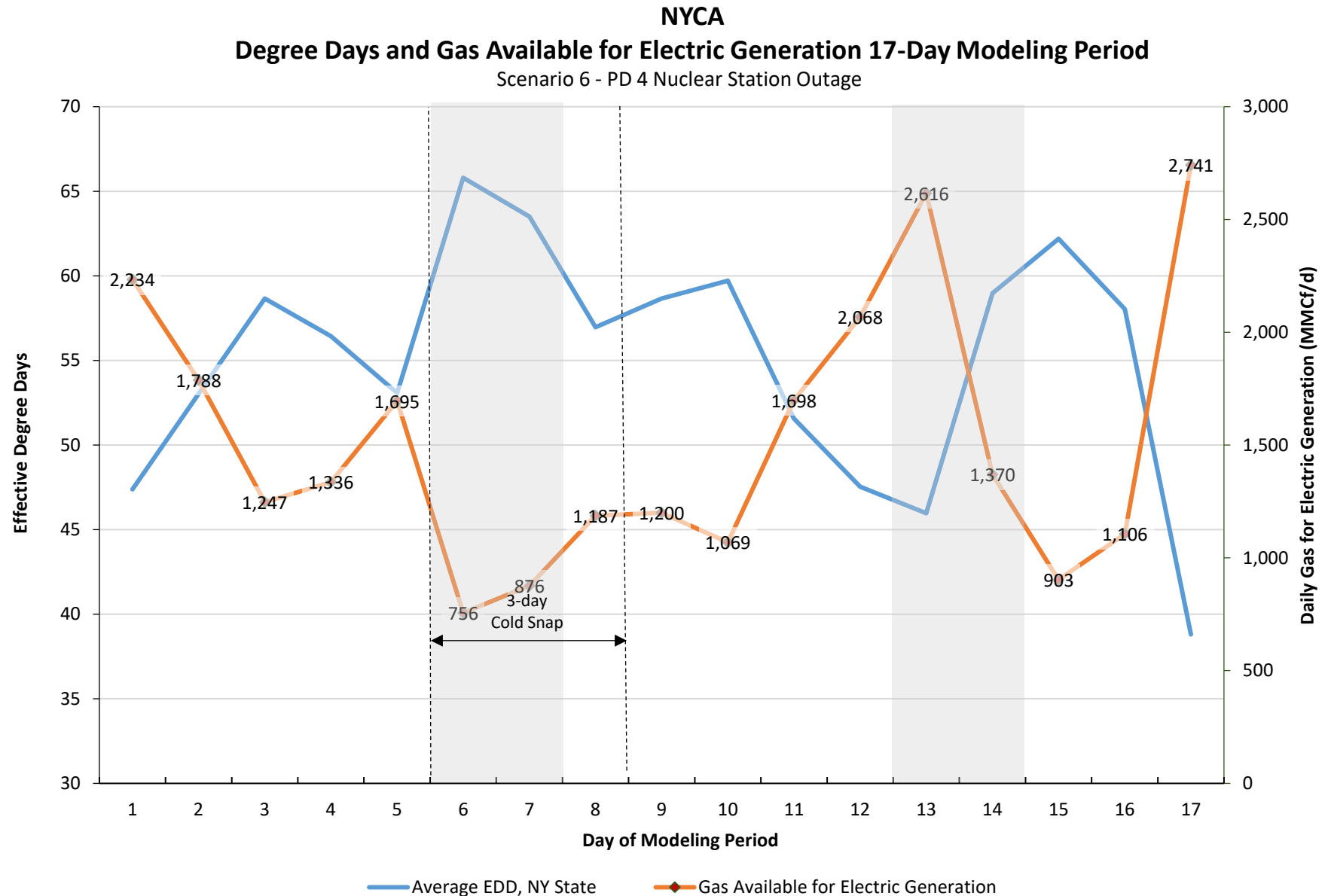


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 4 Nuclear Station Outage



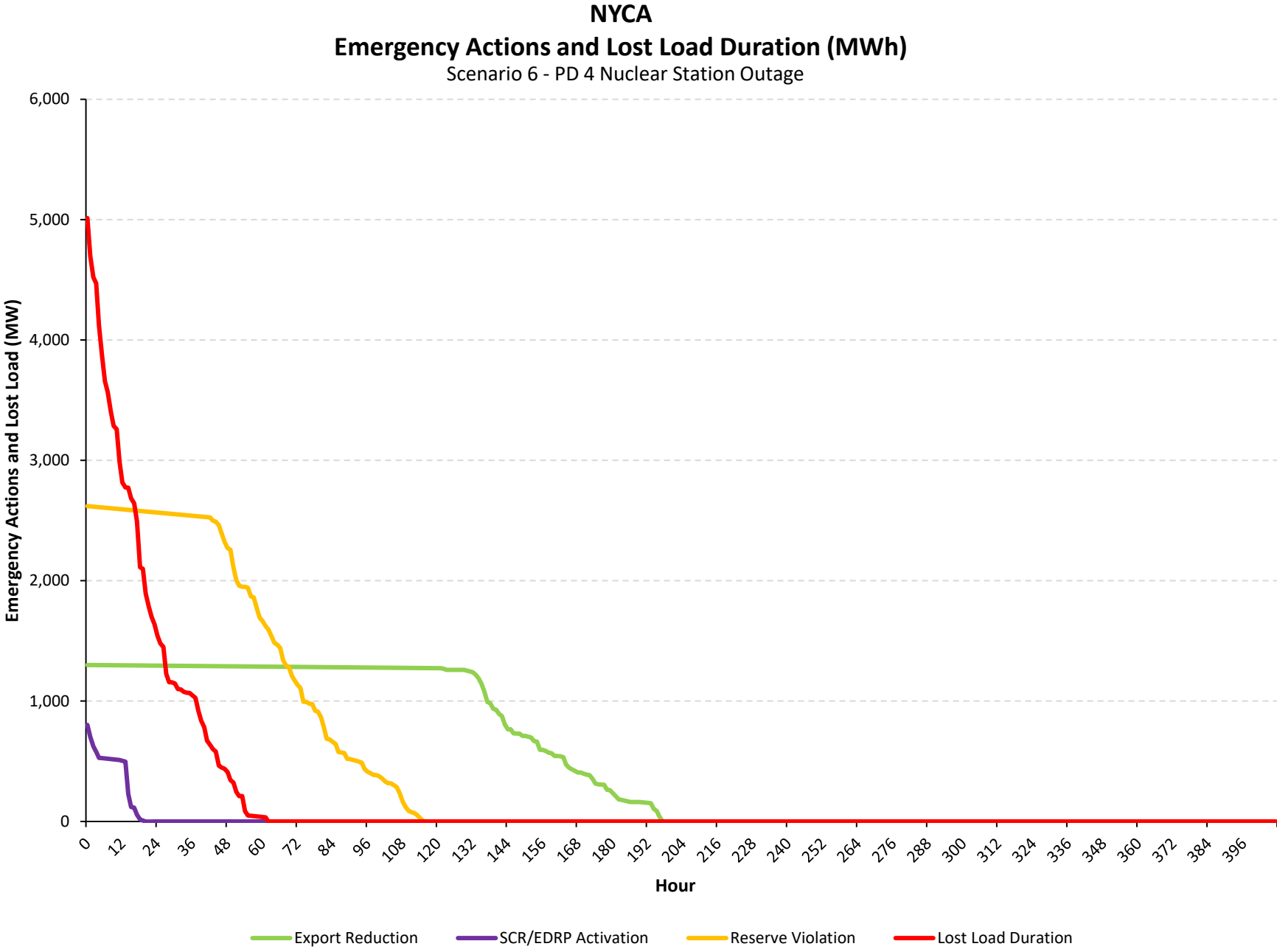


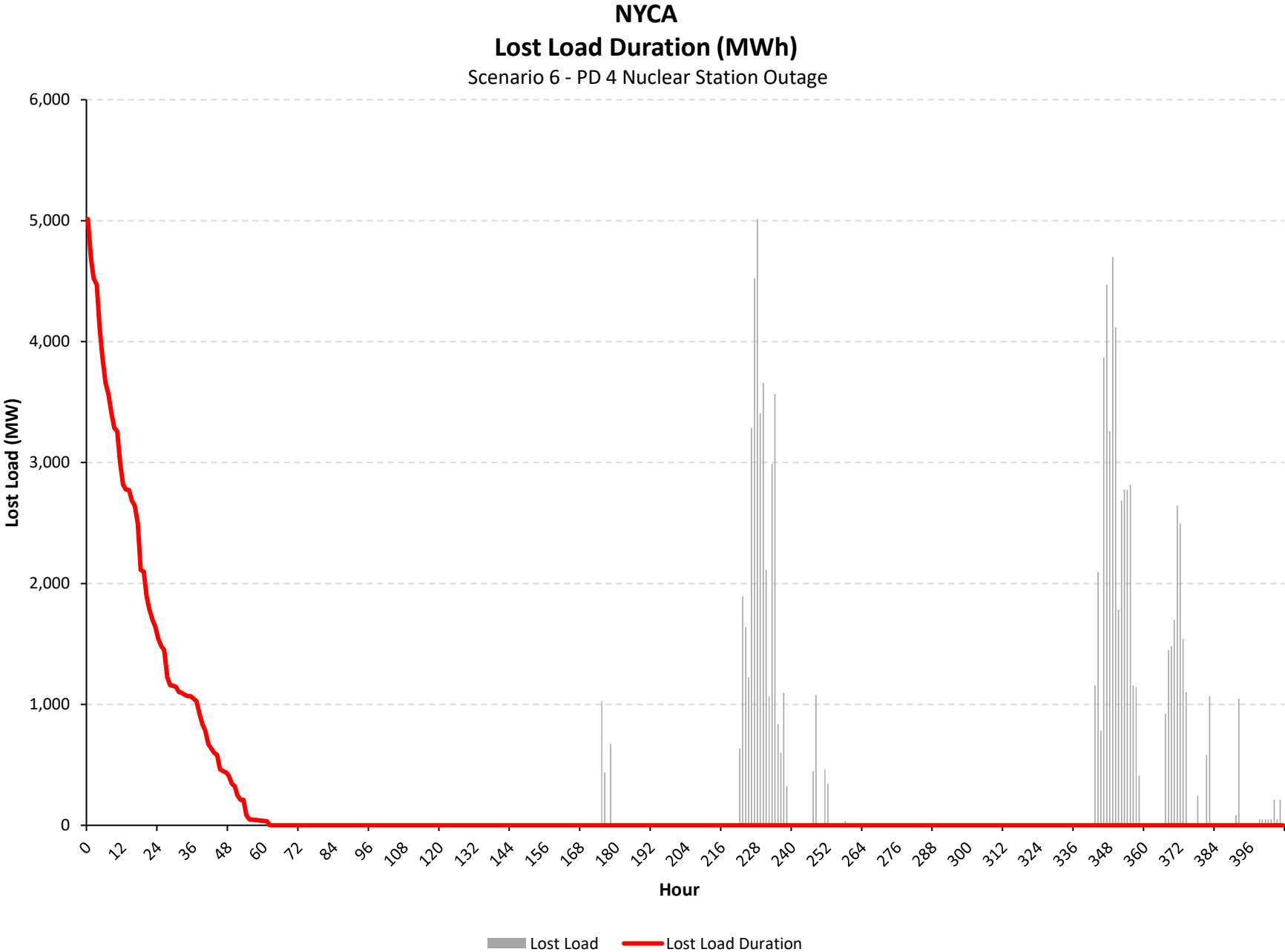




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



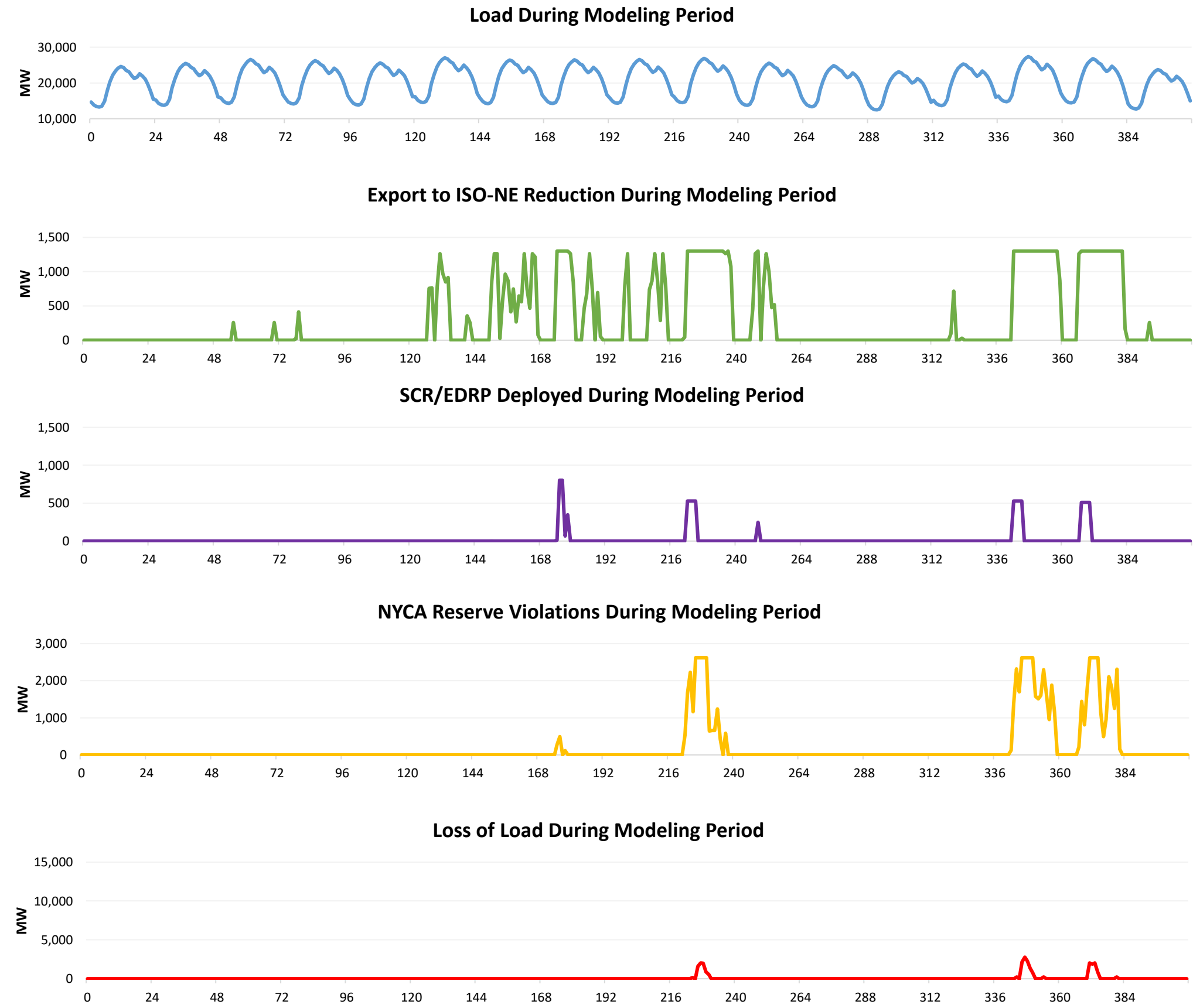


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 5 No Truck Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 119     |
| Total MWh         | 117,149 |
| Avg. MW           | 287.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 18    |
| Total MWh      | 8,532 |
| Avg. MW        | 20.9  |

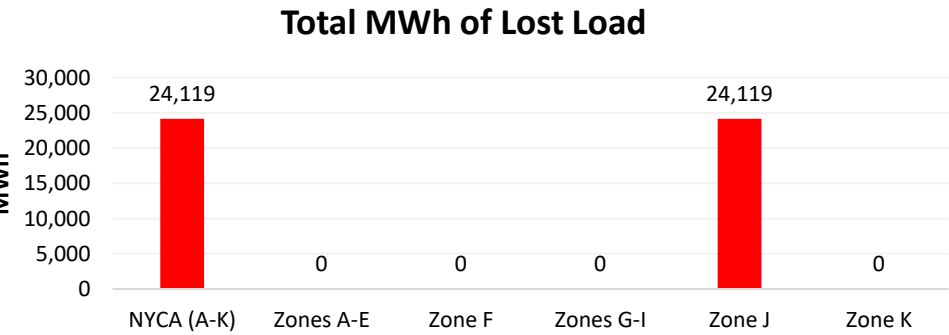
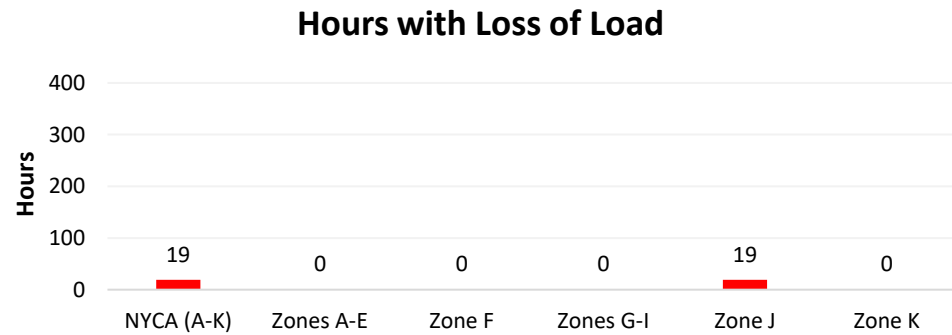
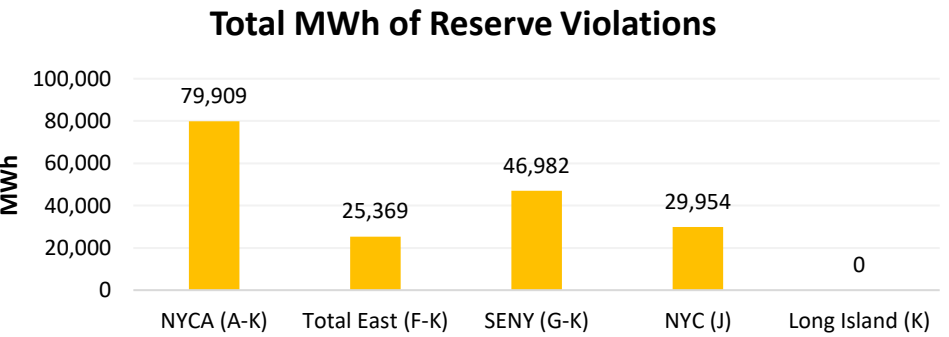
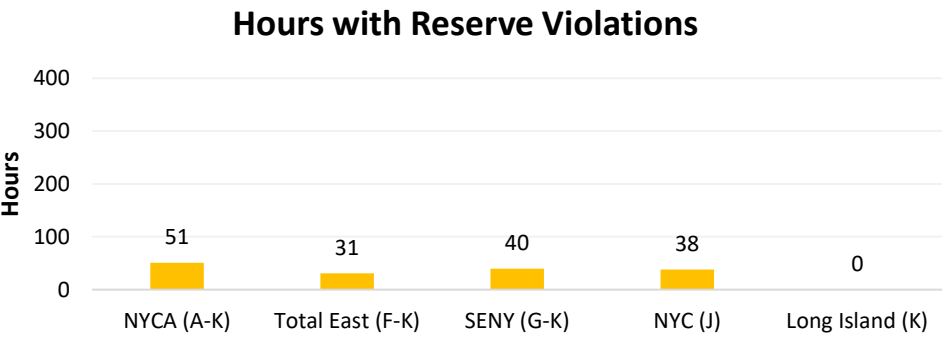
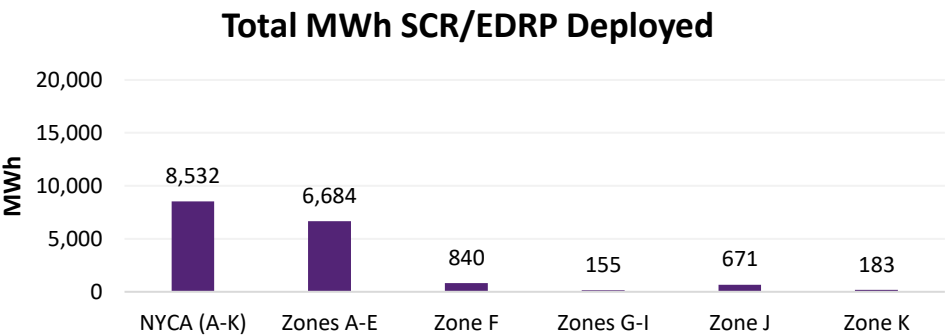
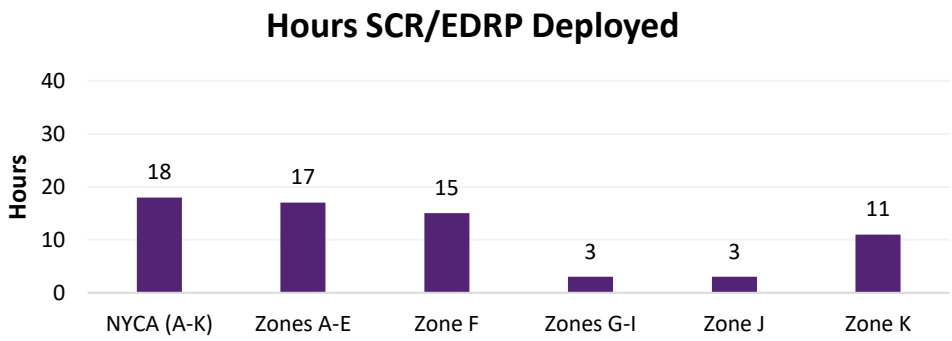
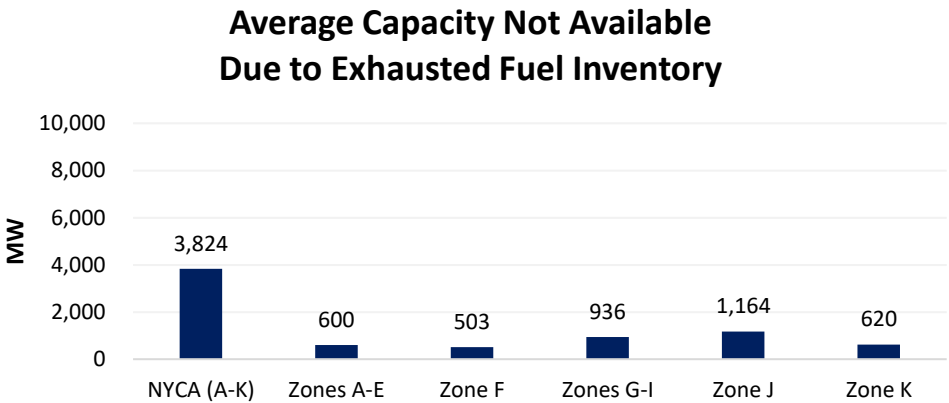
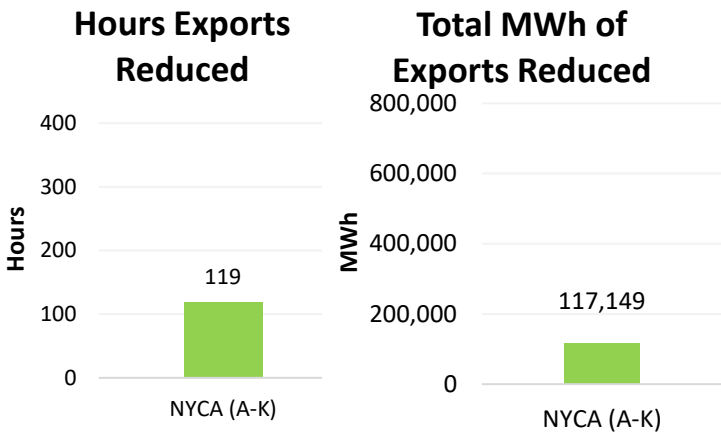
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 51     |
| Total MWh             | 79,909 |
| Avg. MW               | 195.9  |
| First Hour with Viol. | 175    |

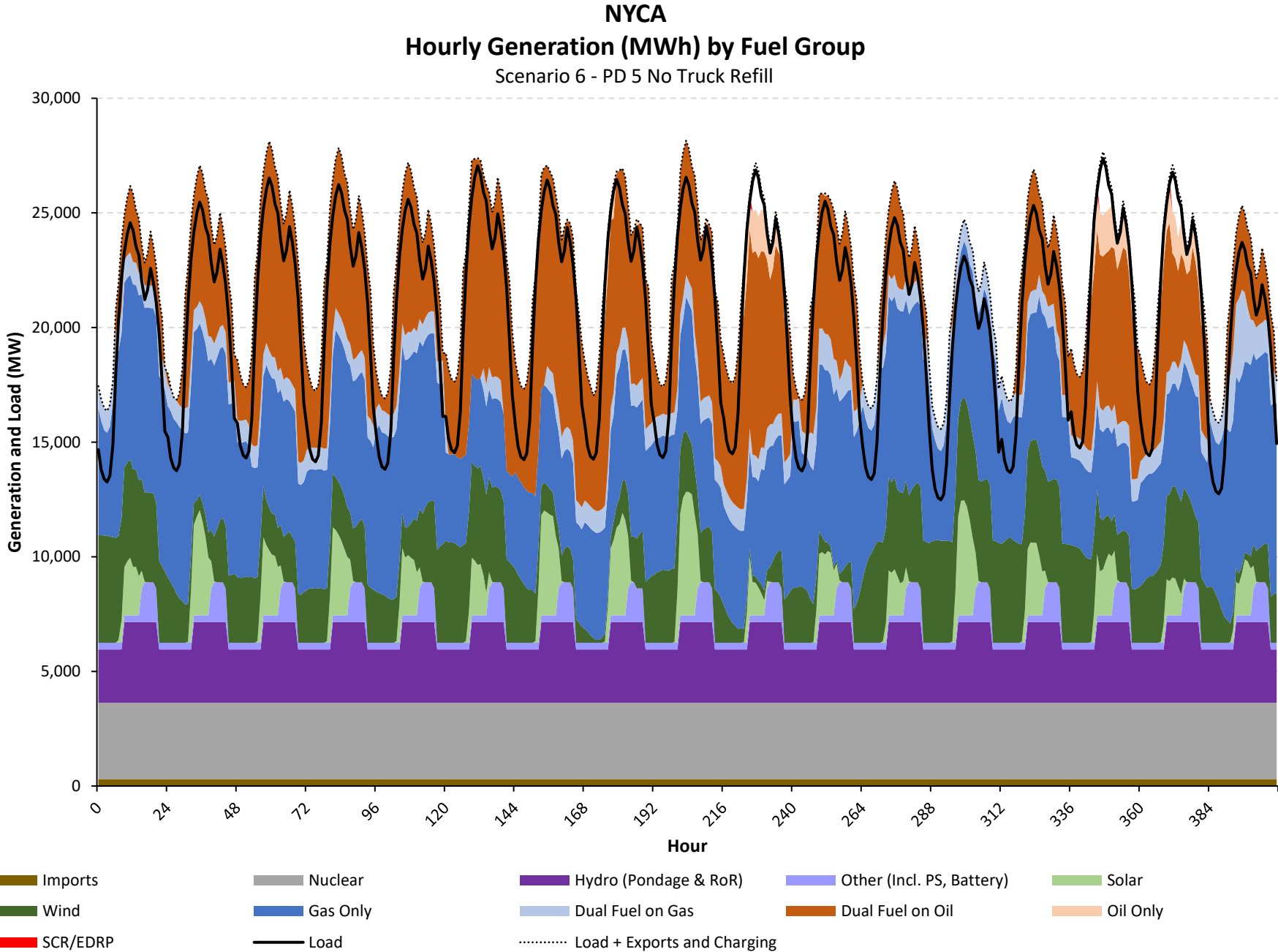
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 19     |
| Total MWh              | 24,119 |
| Avg. MW                | 59.1   |
| First Hour with Losses | 224    |

Full Period Results Summary

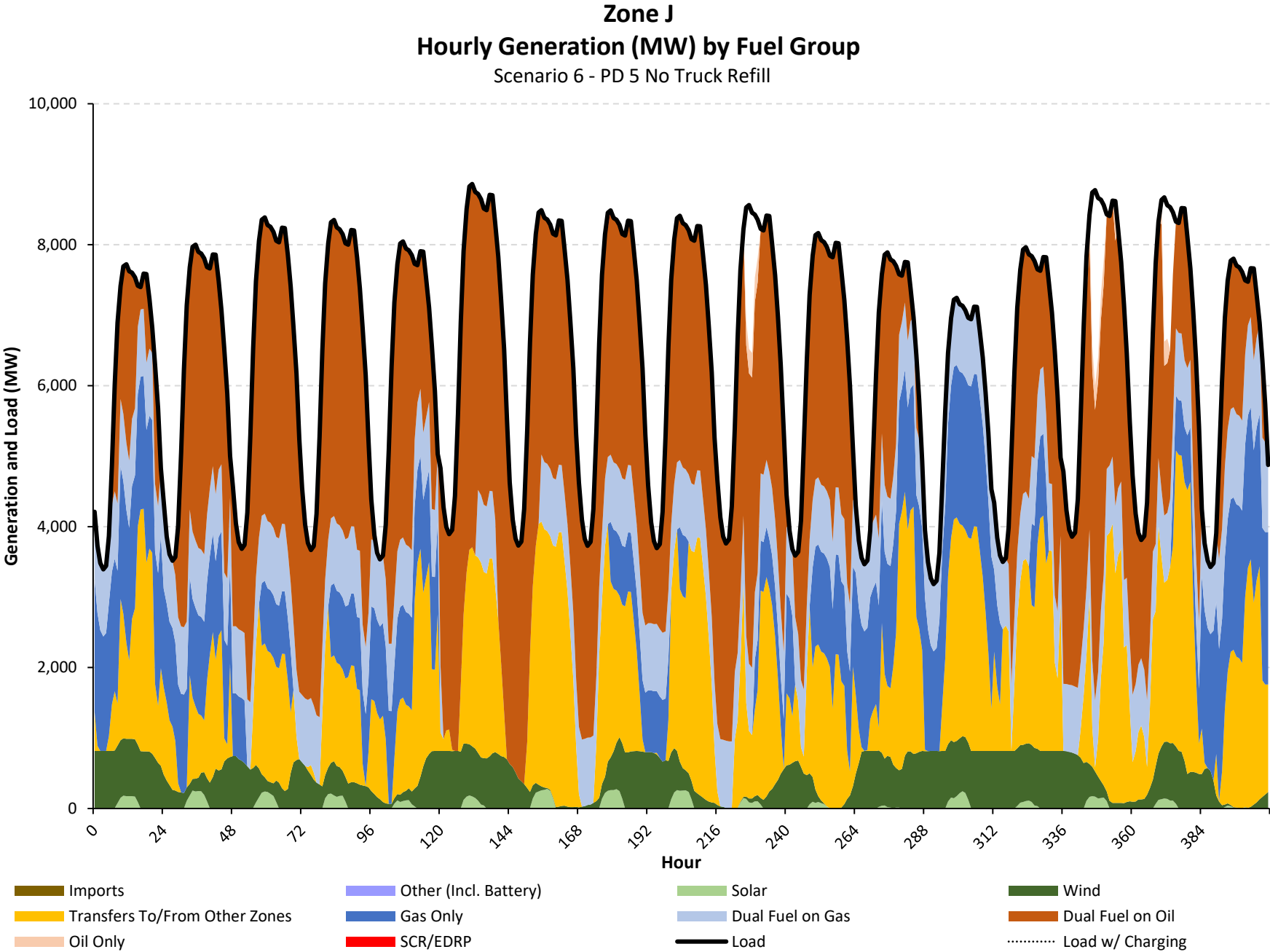
Case Name: Scenario 6 - PD 5 No Truck Refill

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Trucks  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

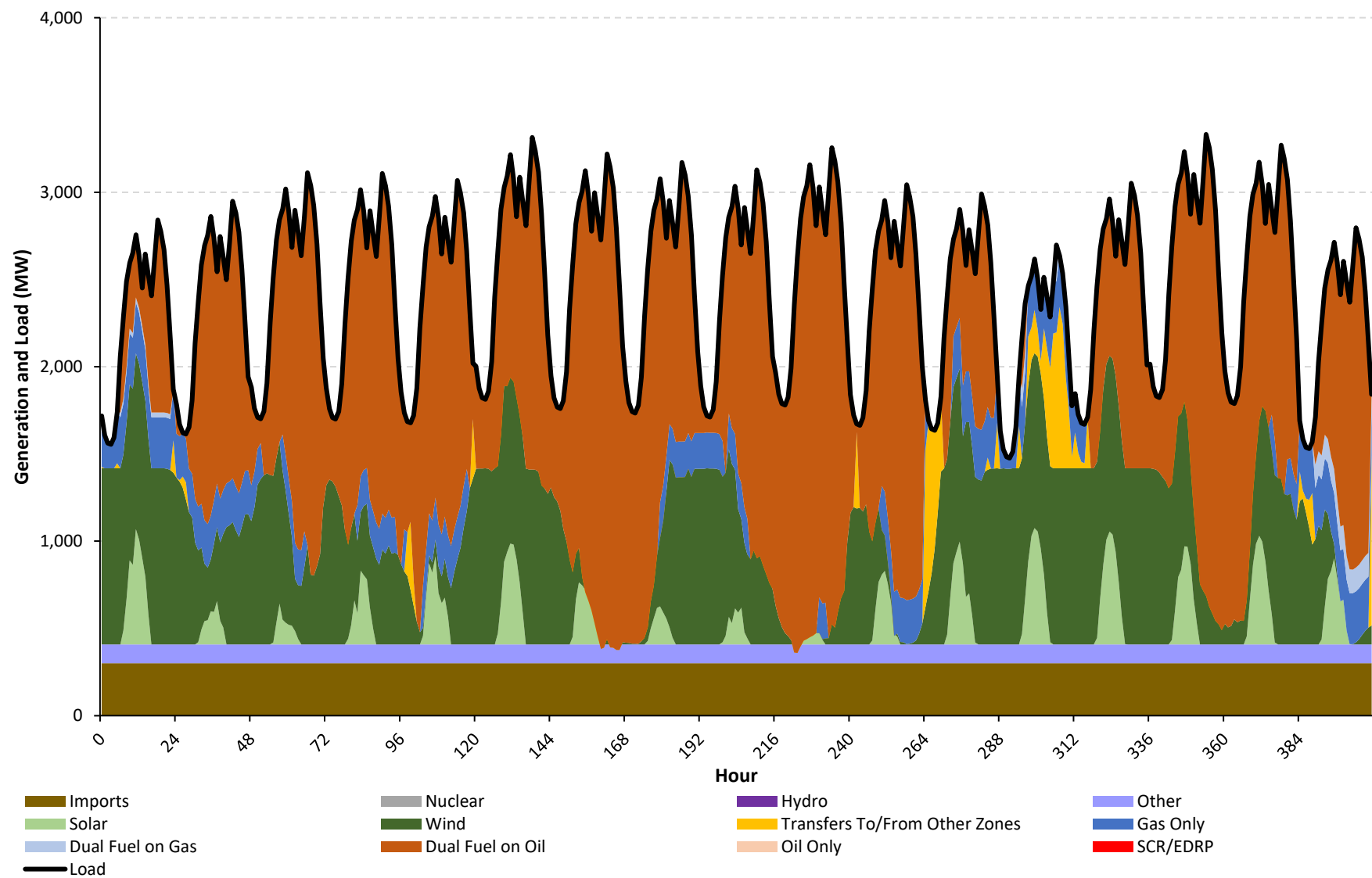




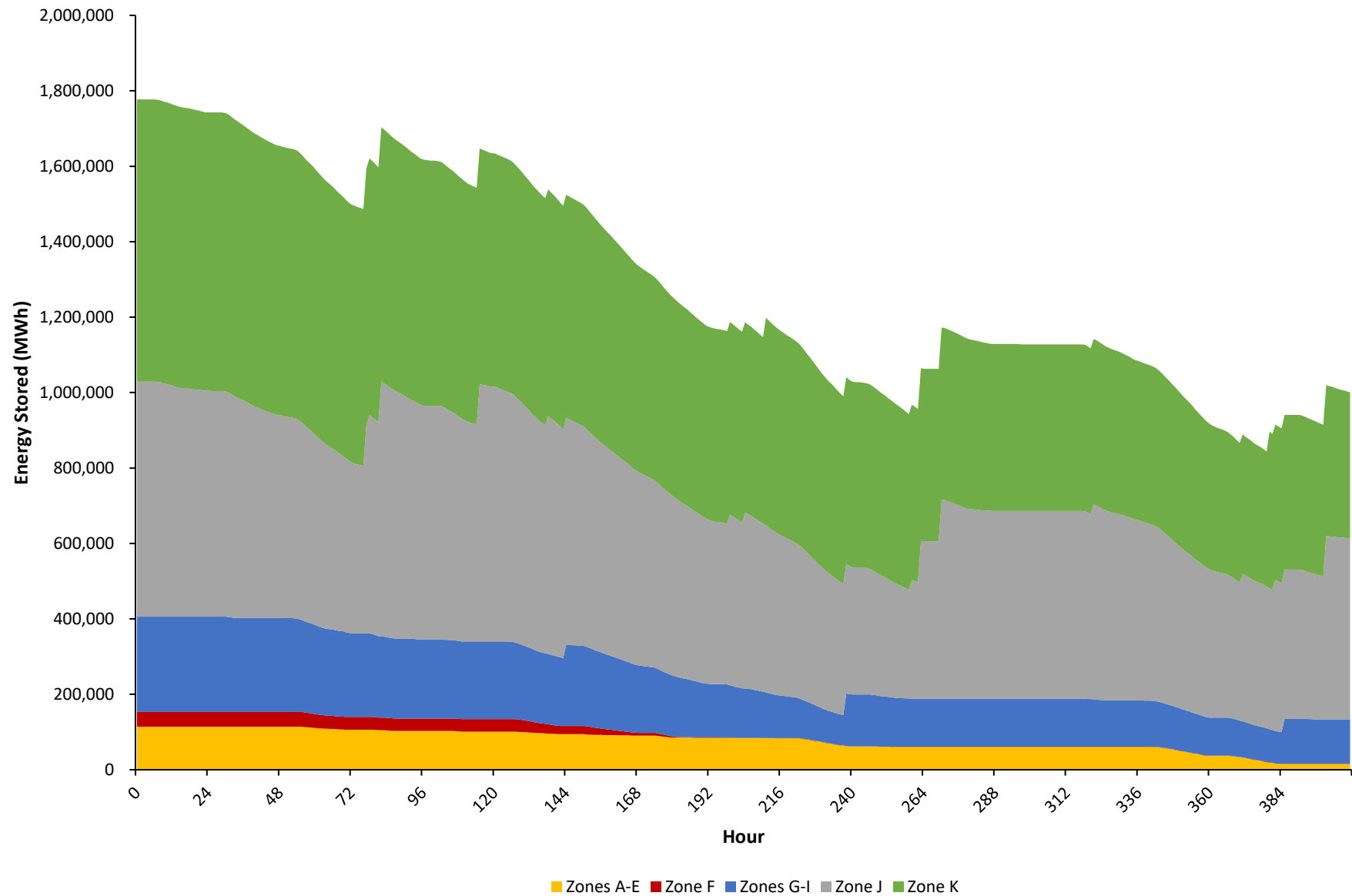




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 5 No Truck Refill

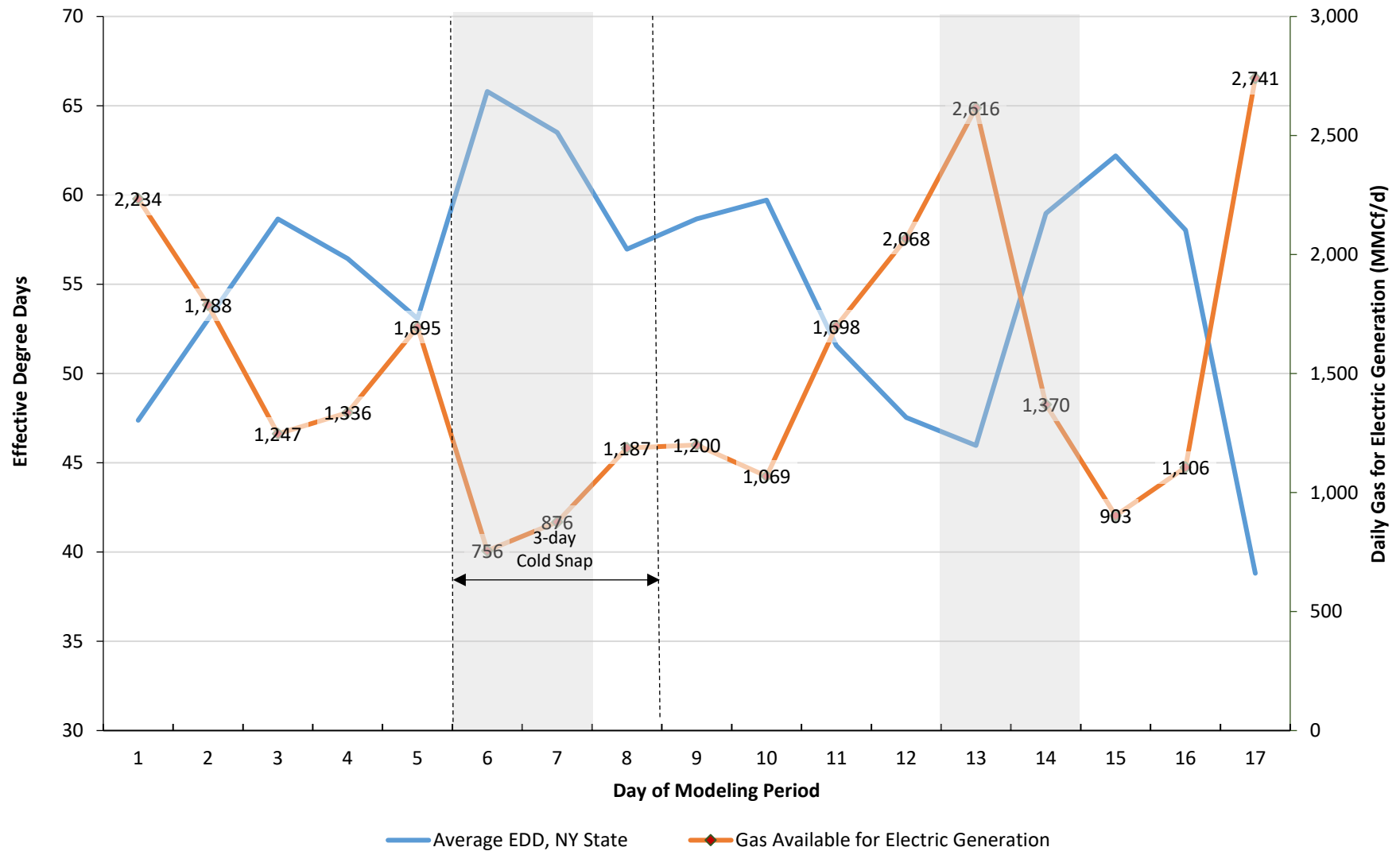


**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 6 - PD 5 No Truck Refill



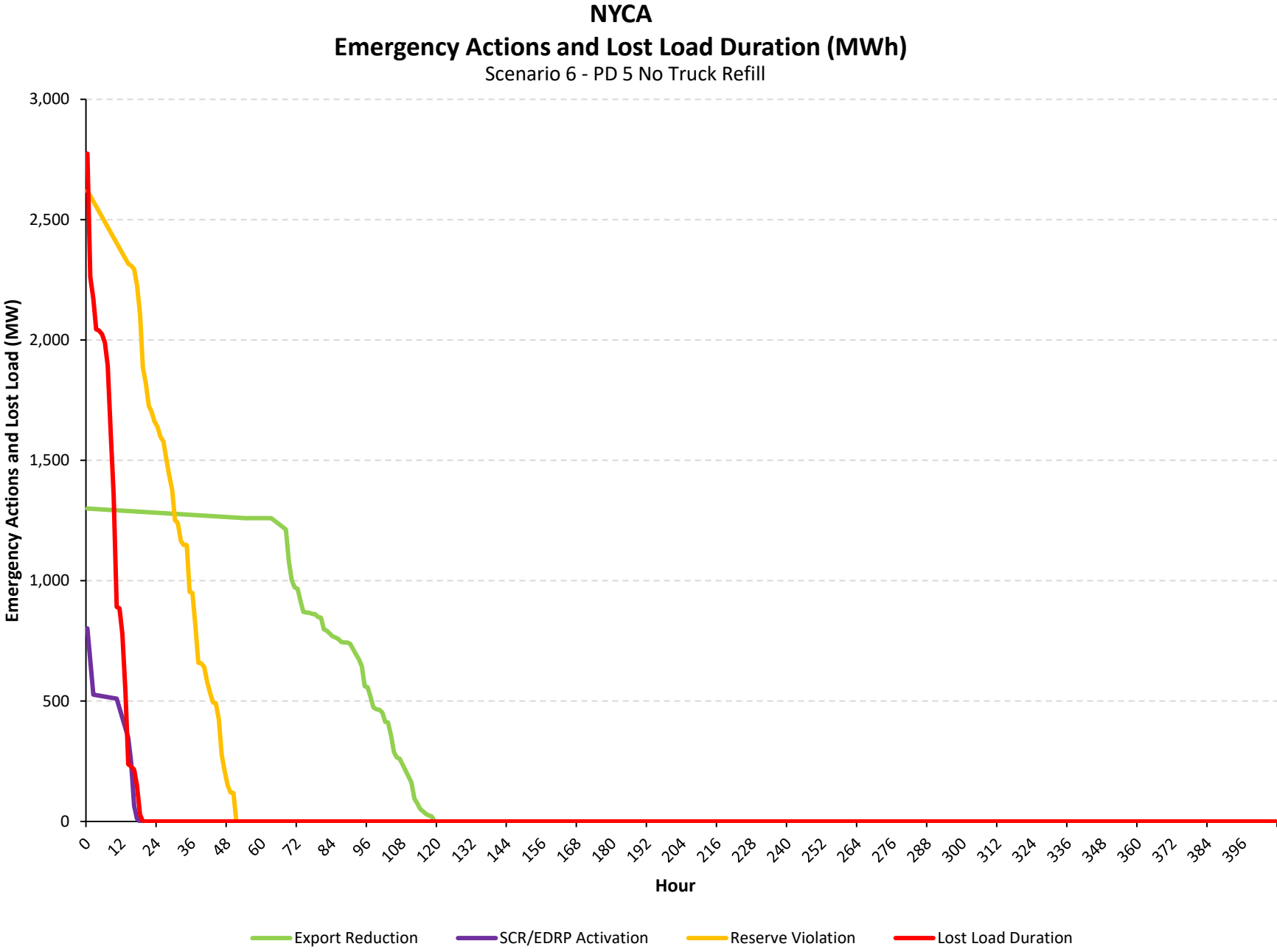
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

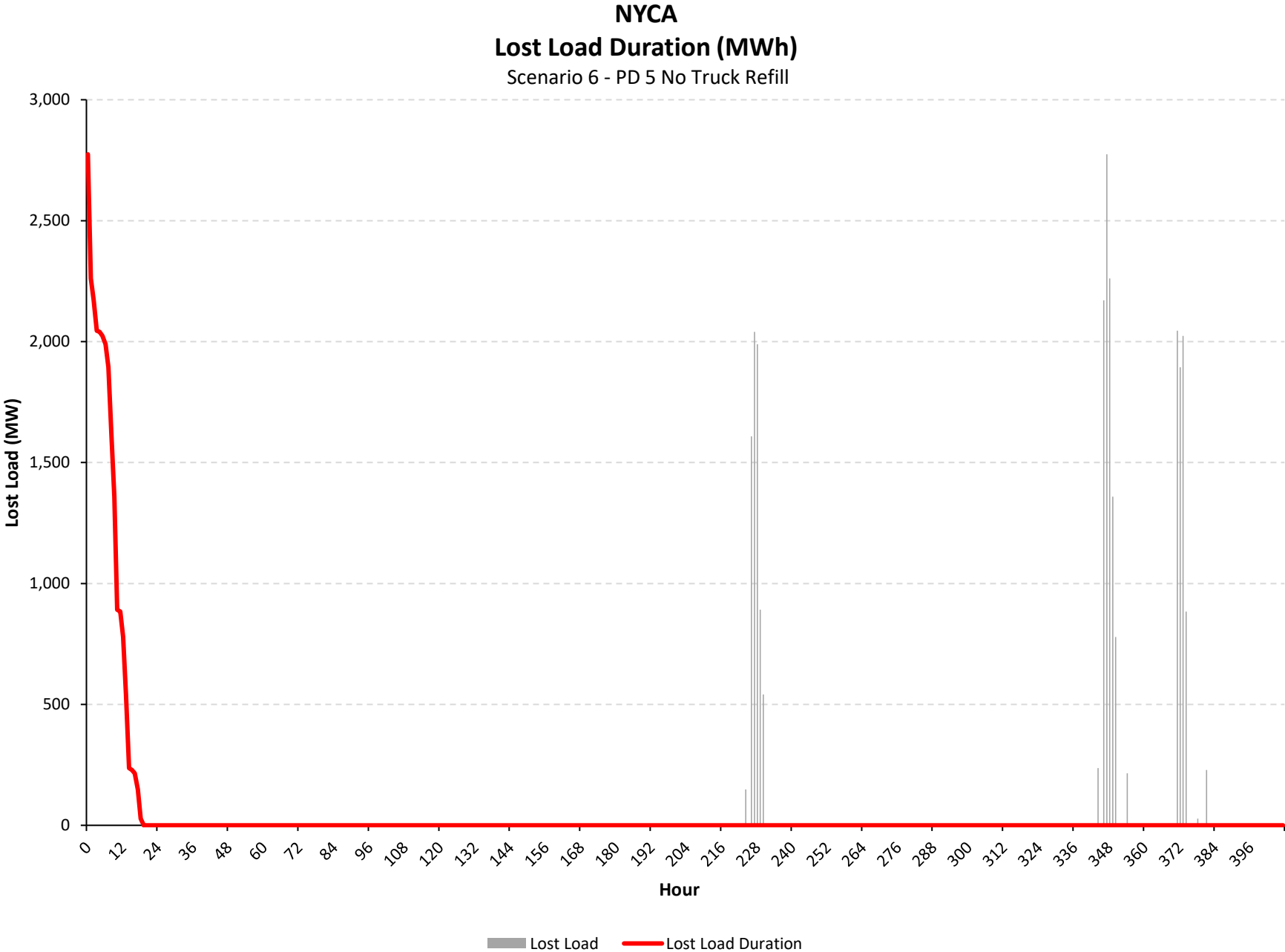
Scenario 6 - PD 5 No Truck Refill



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



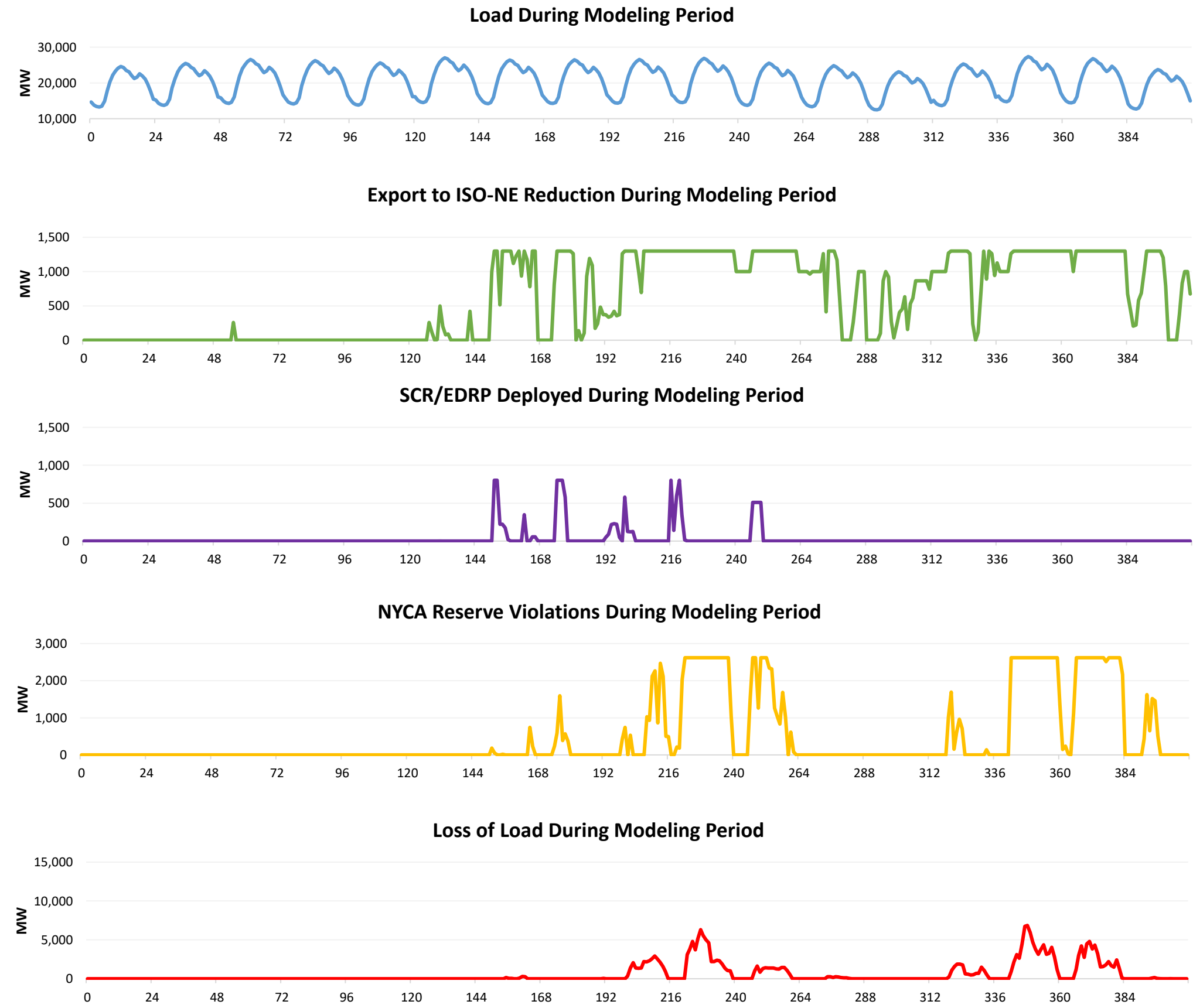


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 6 No Barge Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 245     |
| Total MWh         | 254,333 |
| Avg. MW           | 623.4   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 33     |
| Total MWh      | 12,239 |
| Avg. MW        | 30.0   |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 115     |
| Total MWh             | 202,655 |
| Avg. MW               | 496.7   |
| First Hour with Viol. | 151     |

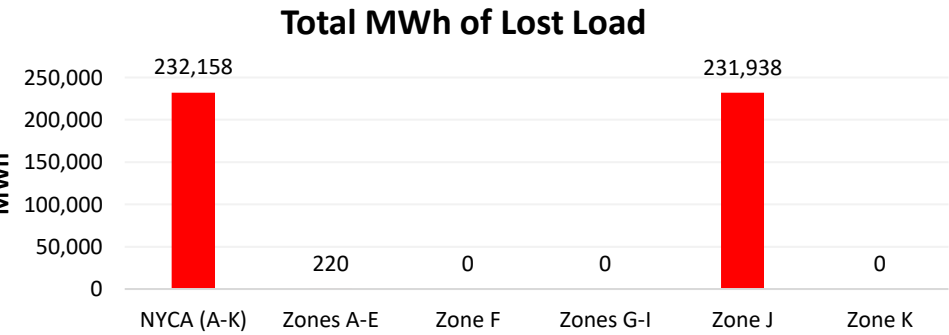
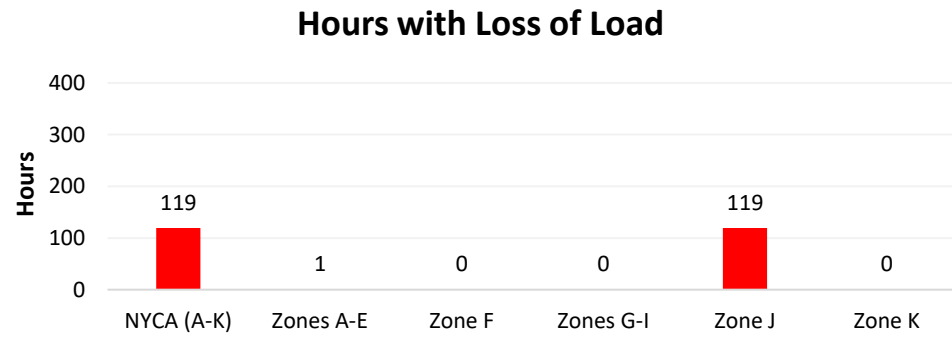
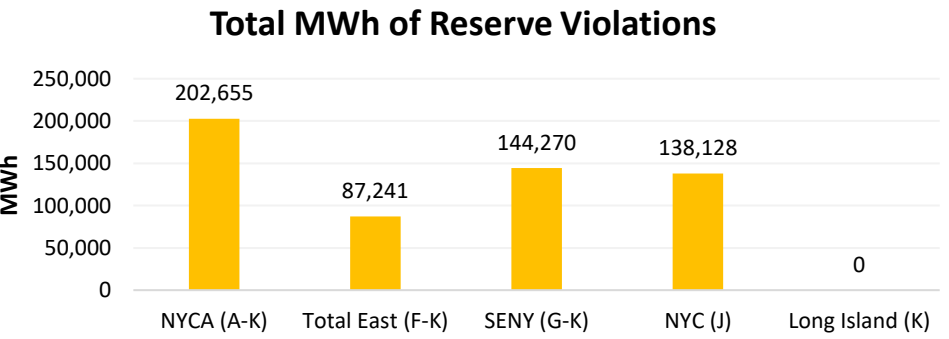
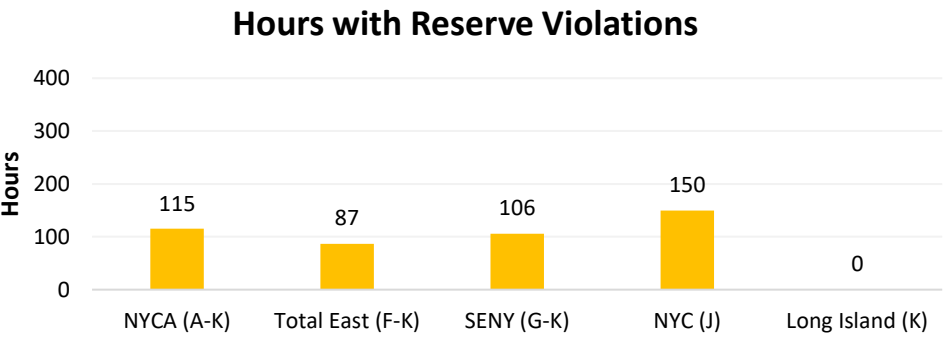
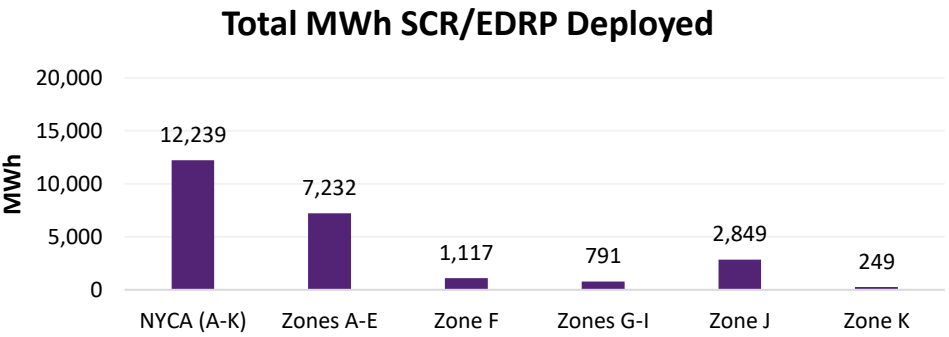
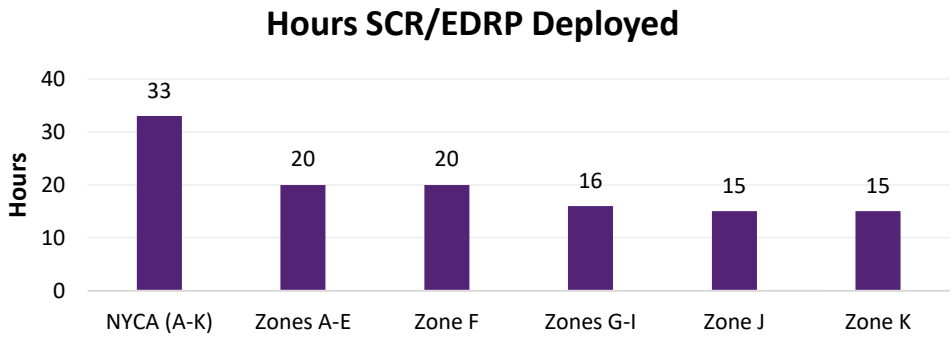
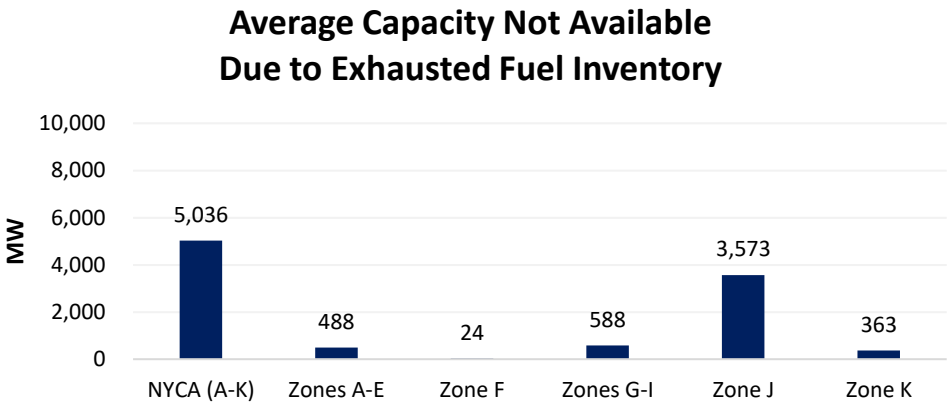
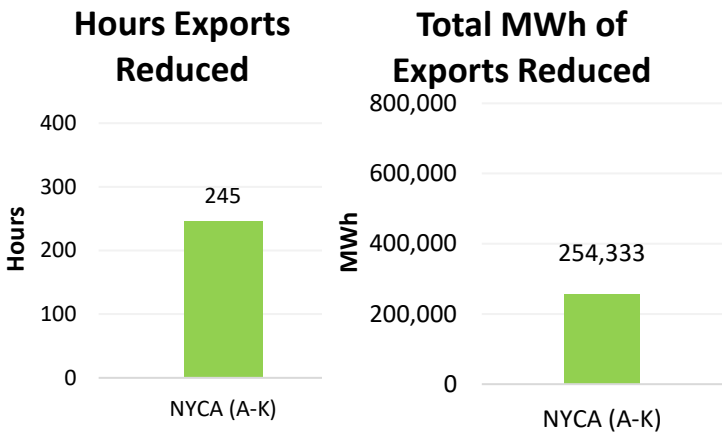
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 119     |
| Total MWh              | 232,158 |
| Avg. MW                | 569.0   |
| First Hour with Losses | 155     |

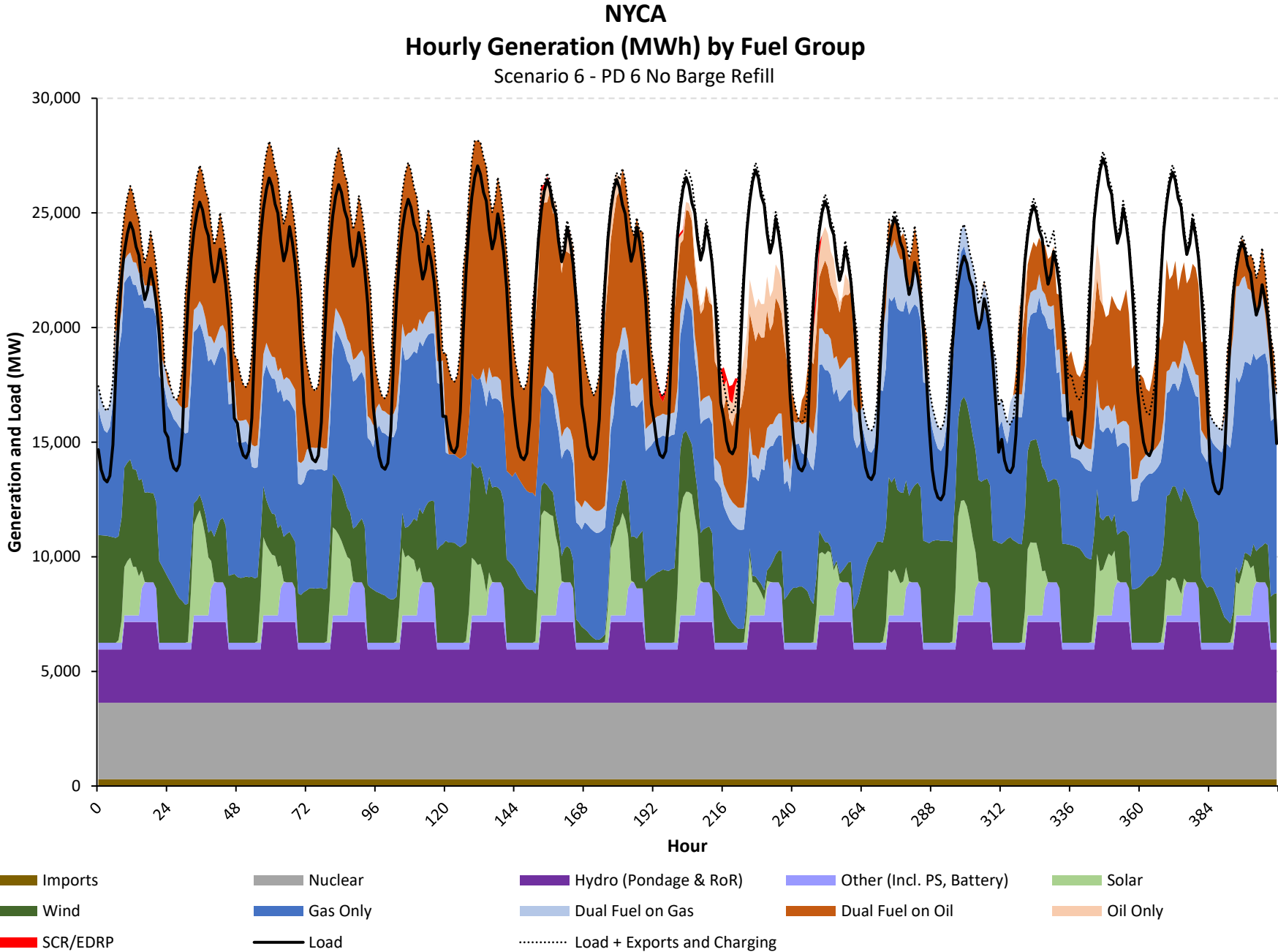


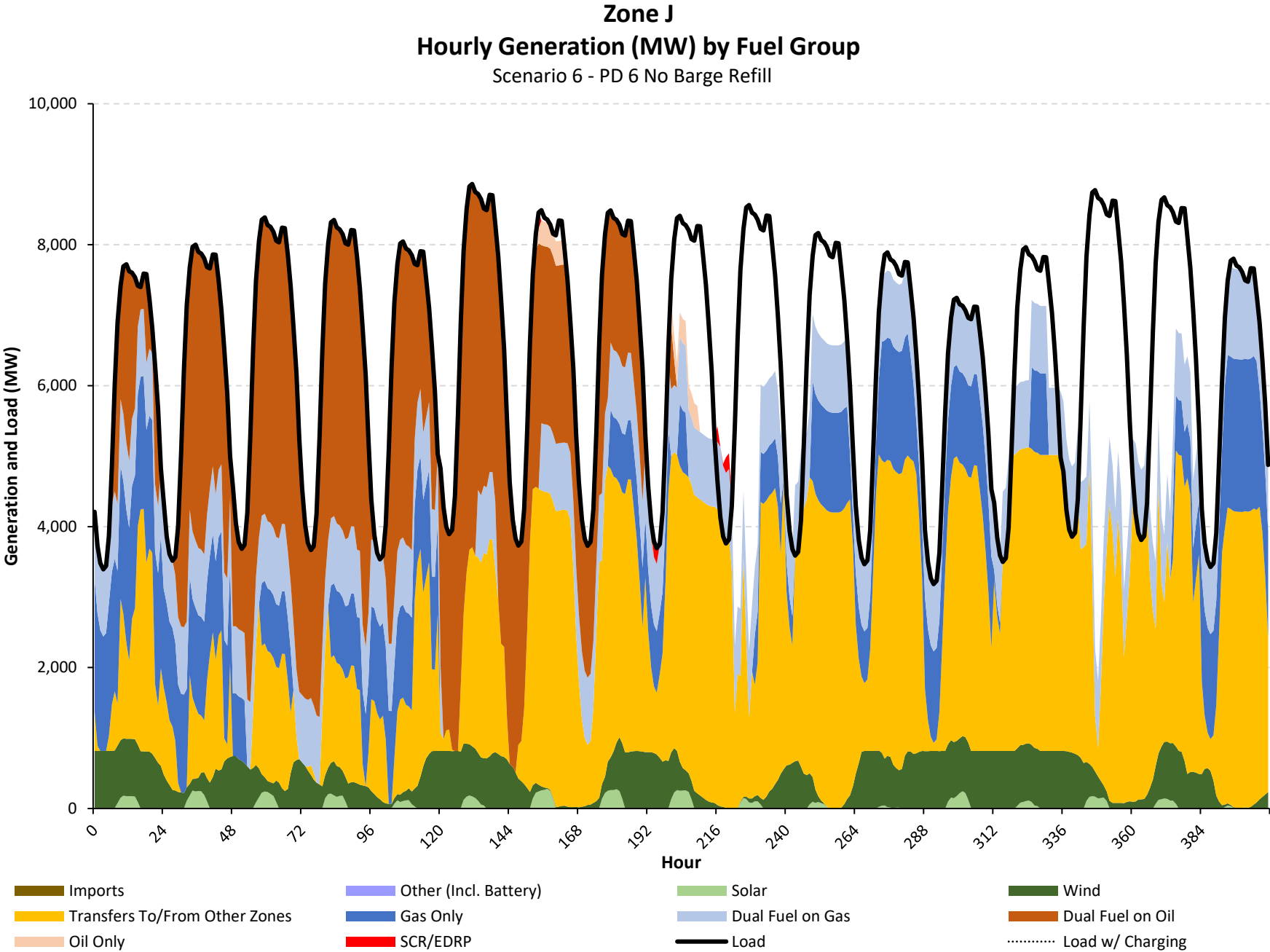
Full Period Results Summary

Case Name: Scenario 6 - PD 6 No Barge Refill

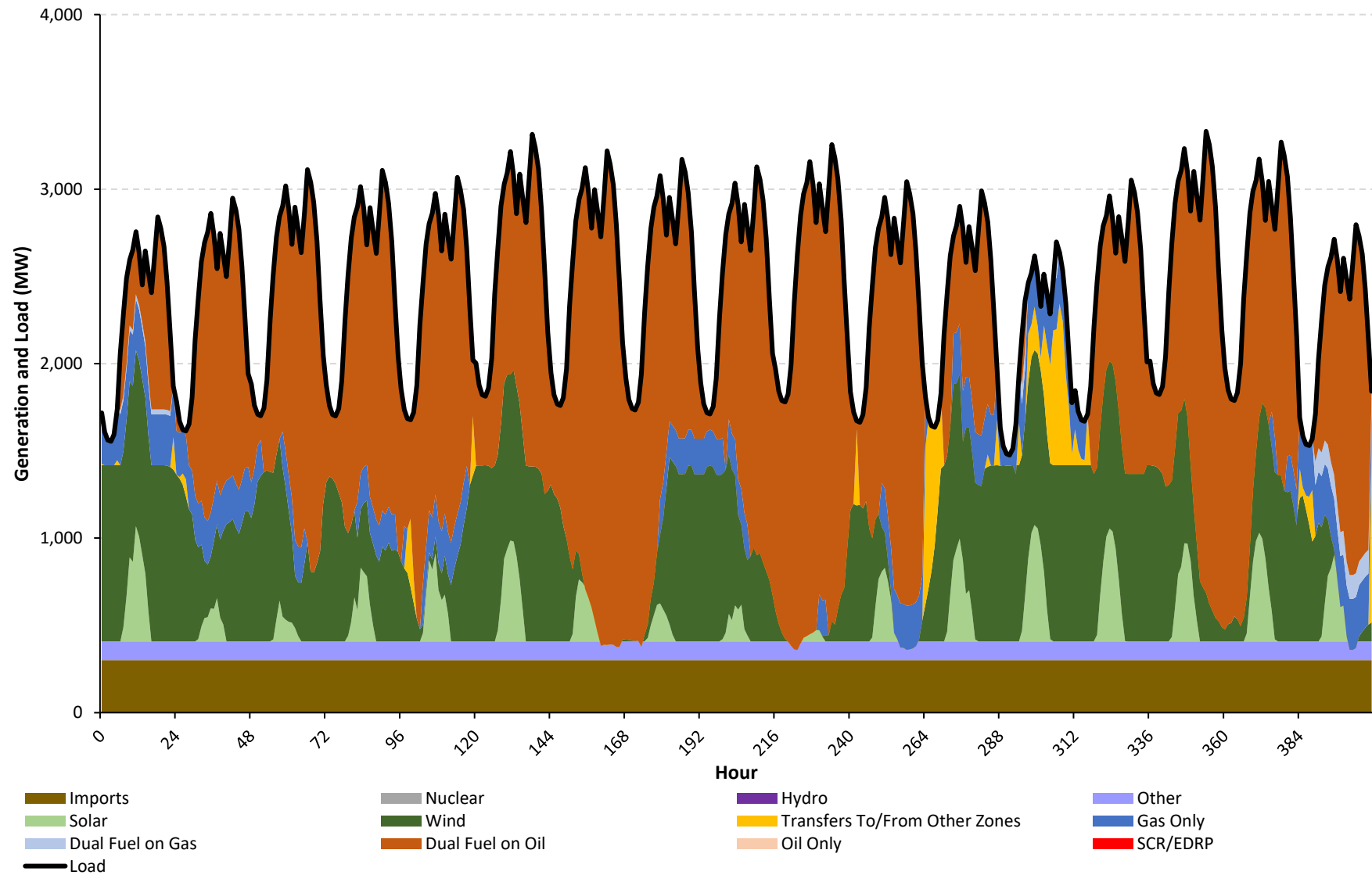
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Barge   |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



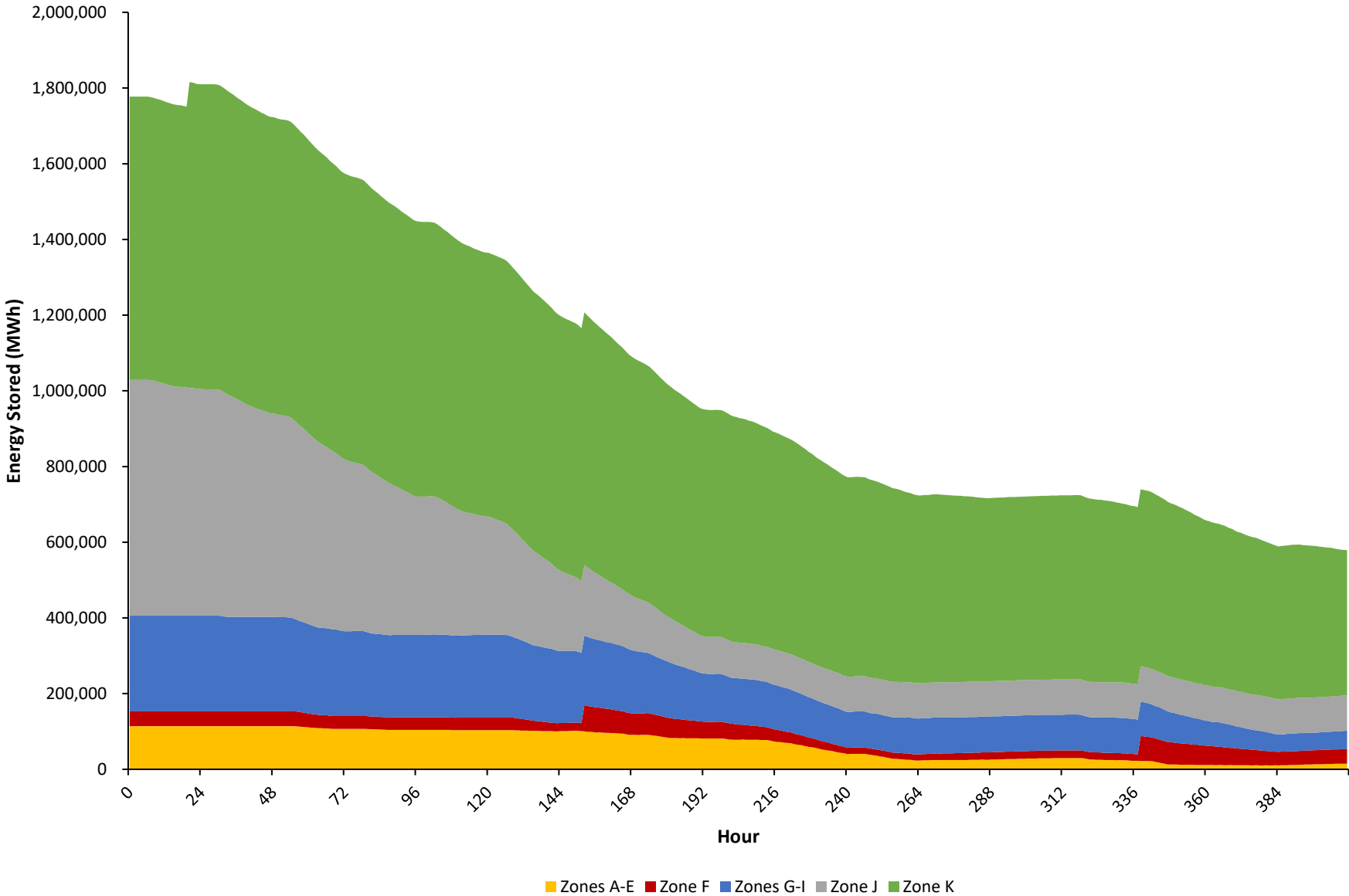


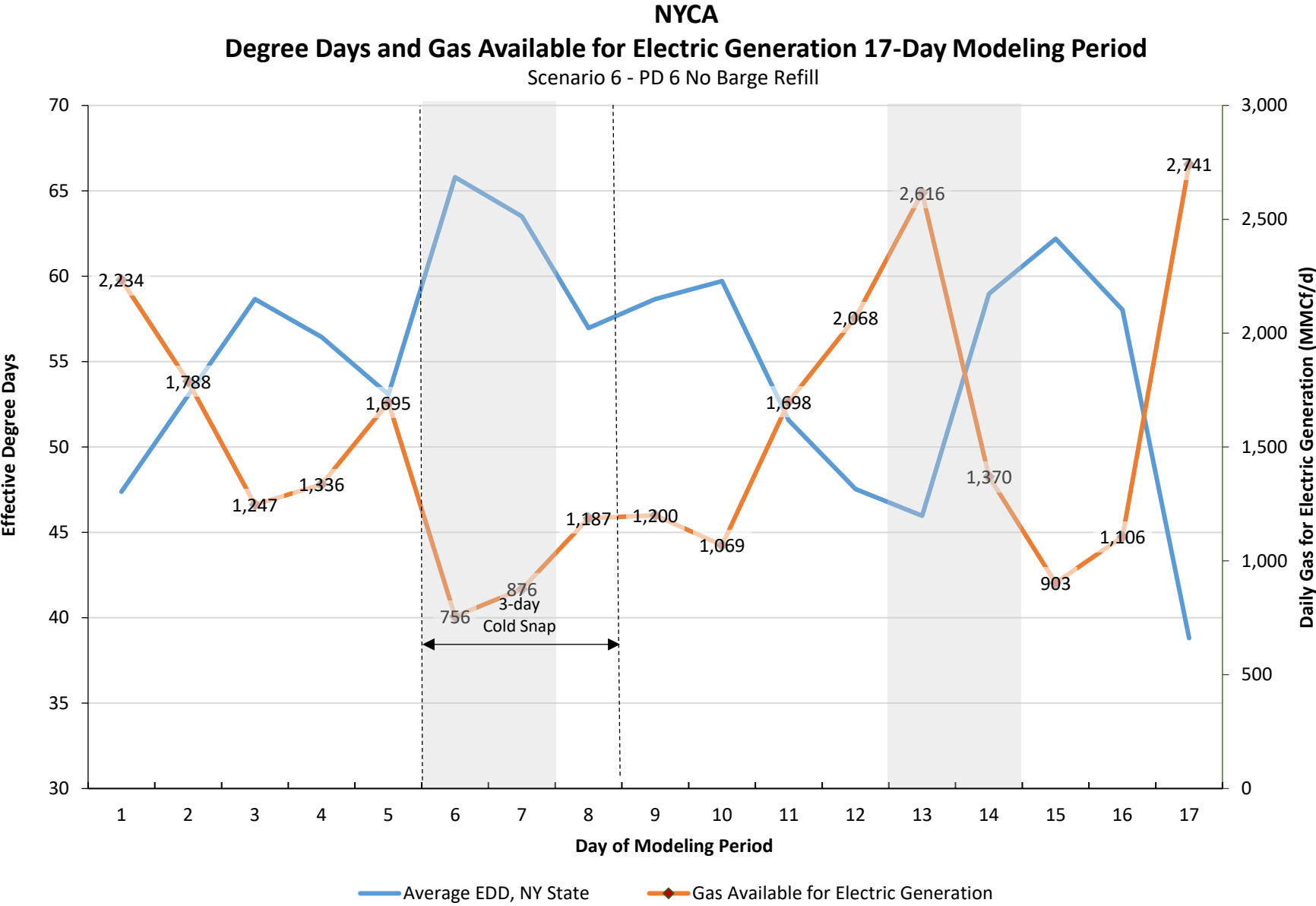


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 6 No Barge Refill

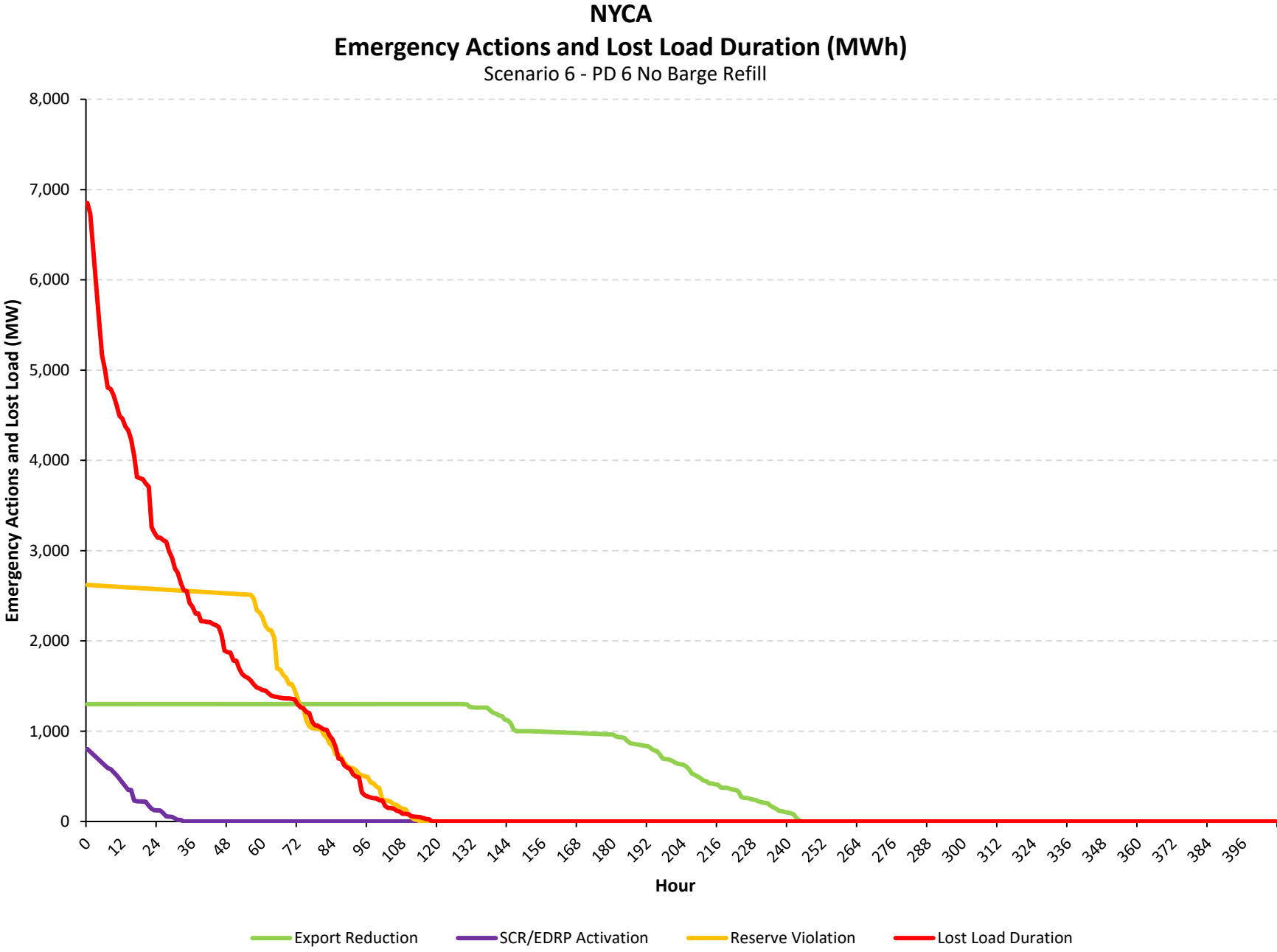


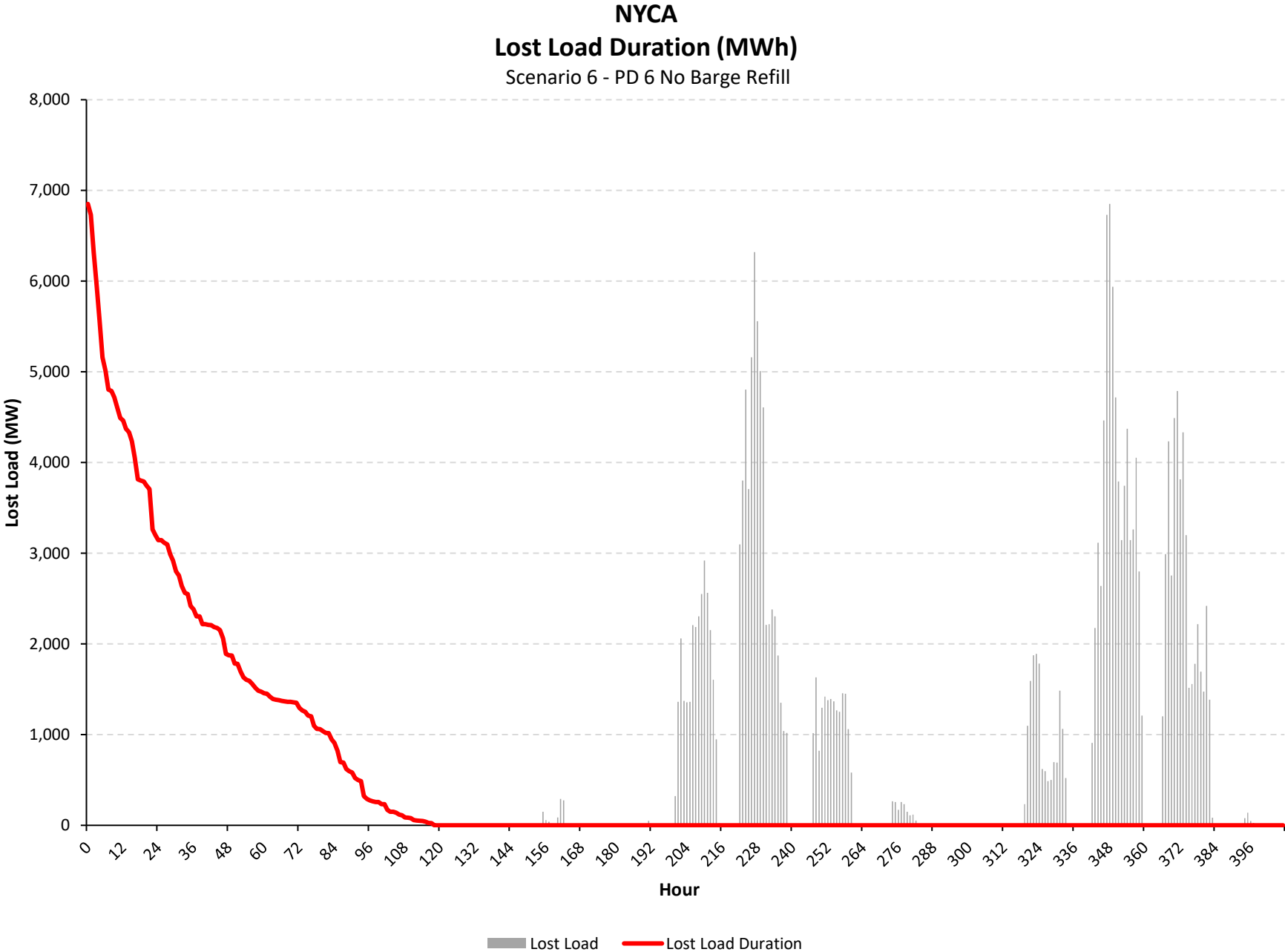
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 6 - PD 6 No Barge Refill





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





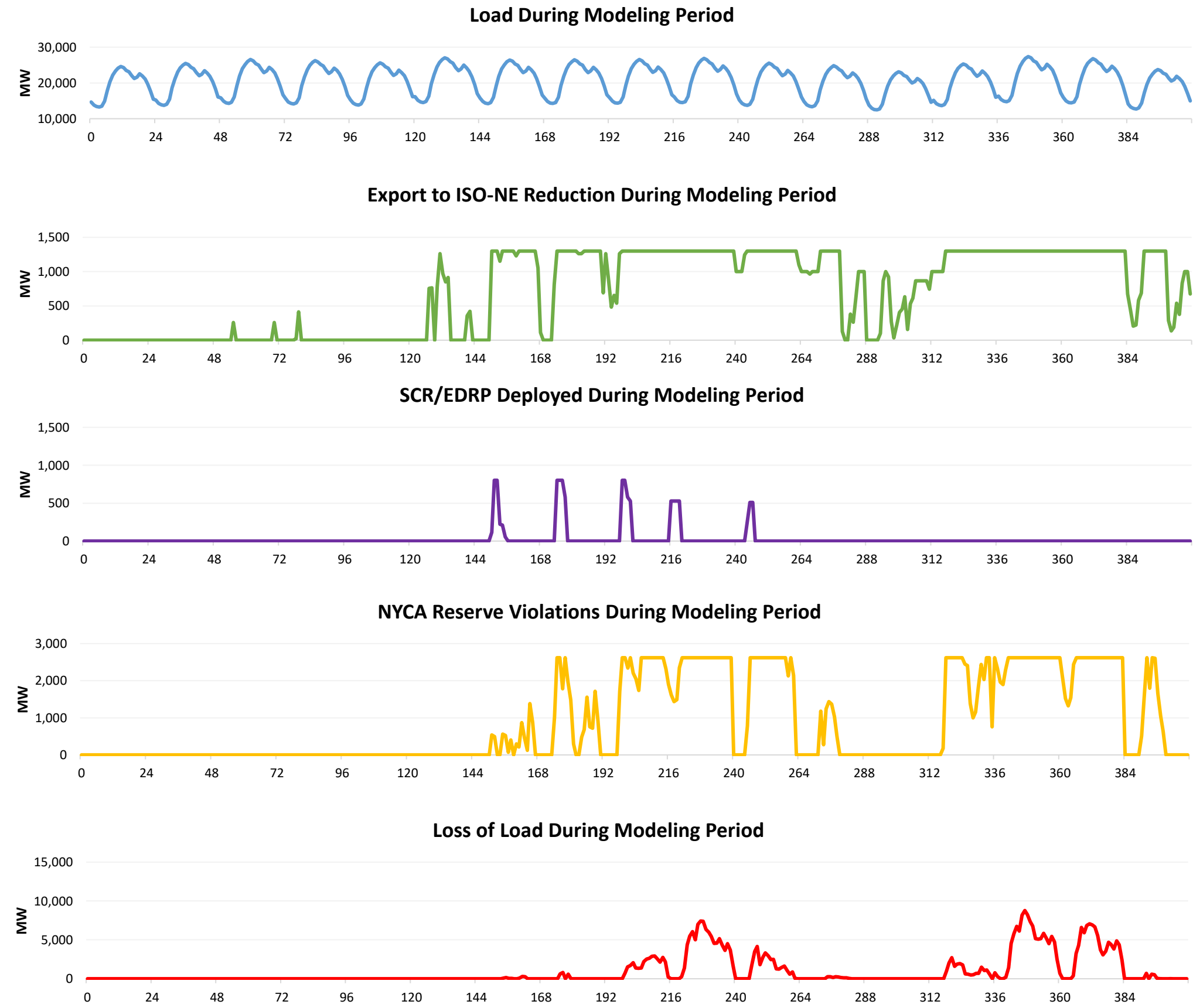


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 7 No Refill



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 260     |
| Total MWh         | 289,020 |
| Avg. MW           | 708.4   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 21     |
| Total MWh      | 11,272 |
| Avg. MW        | 27.6   |

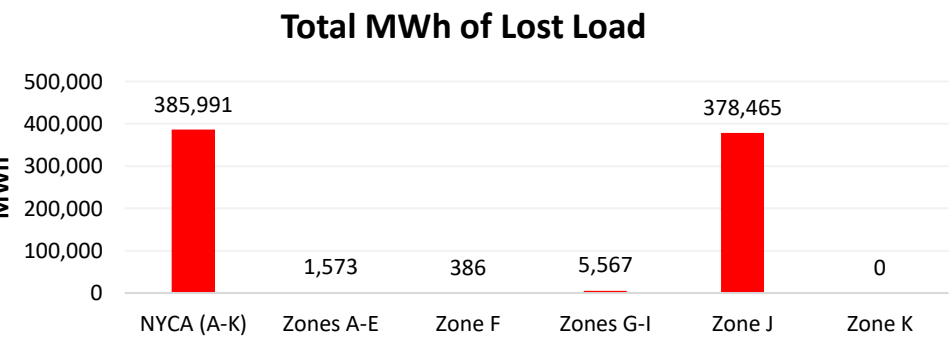
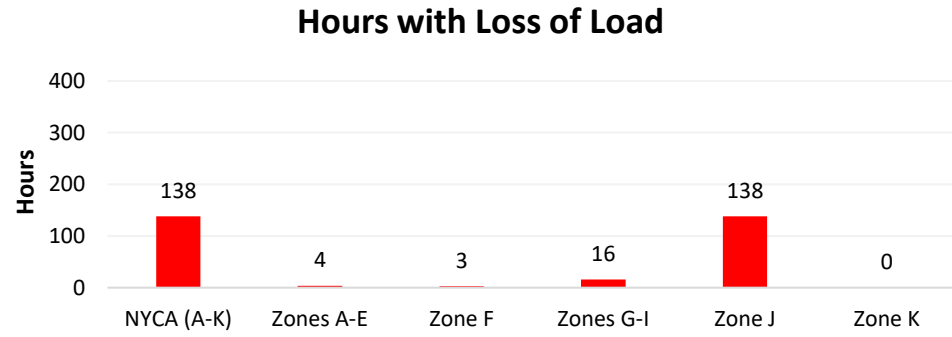
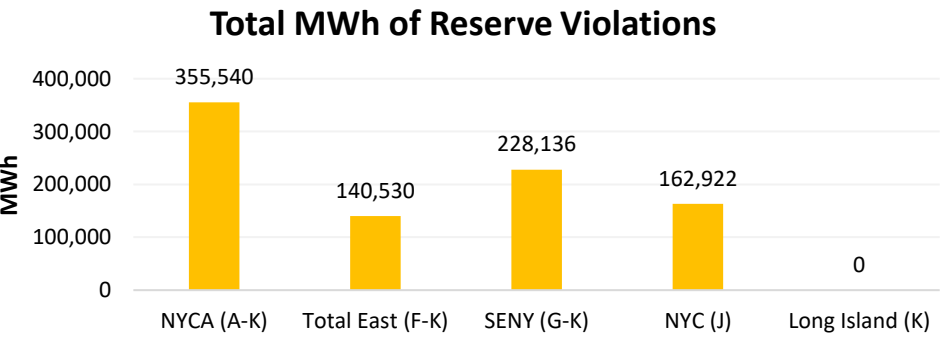
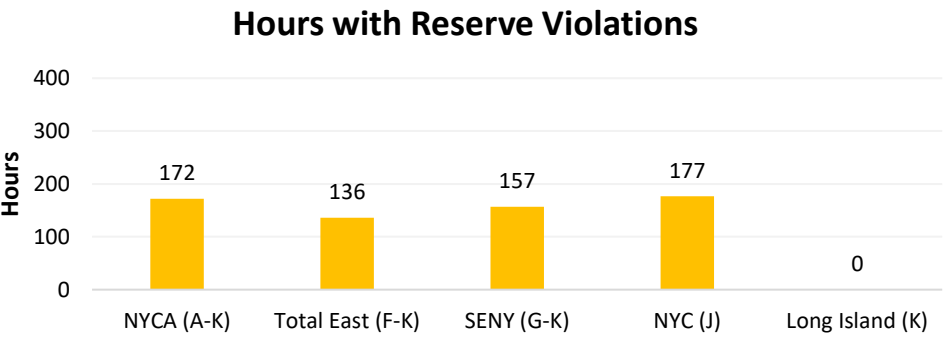
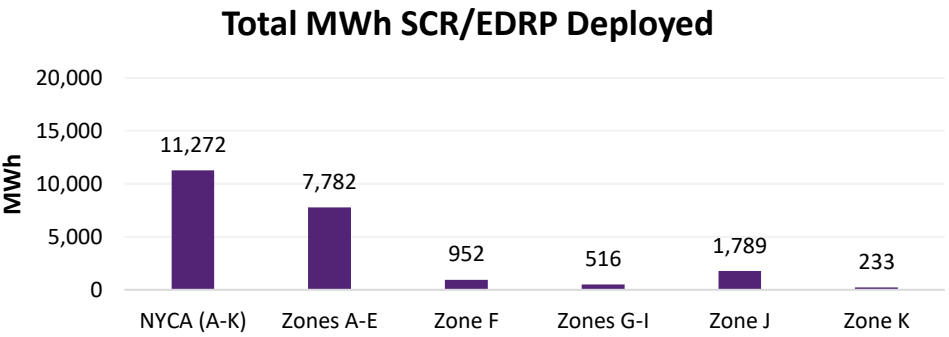
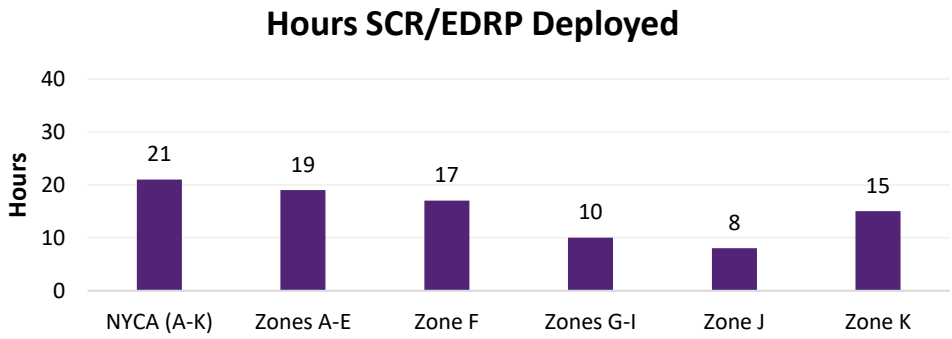
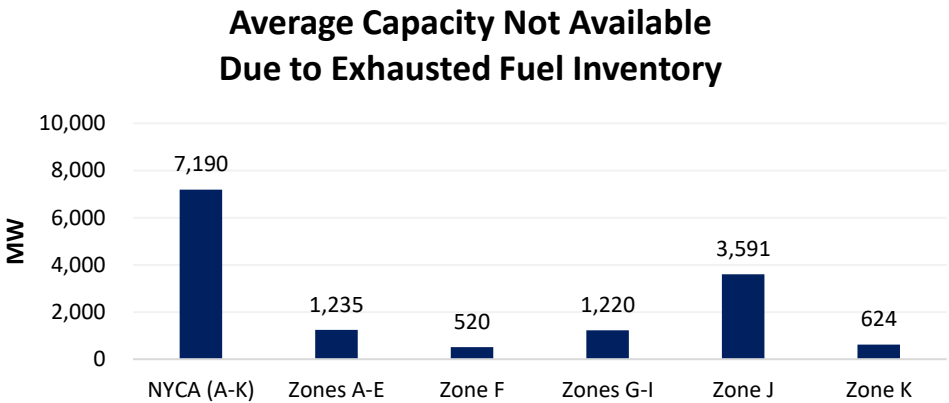
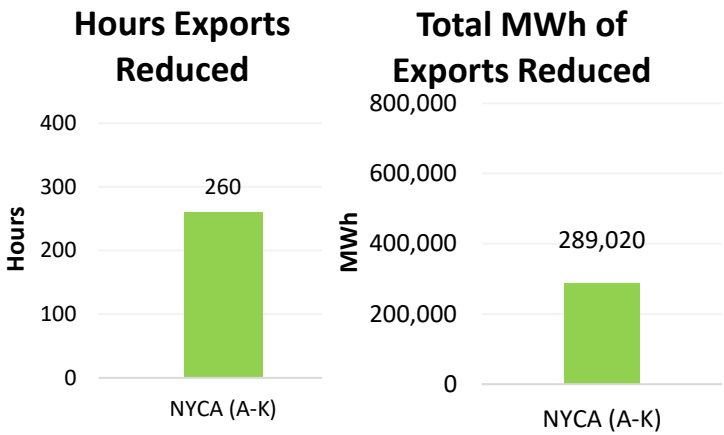
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 172     |
| Total MWh             | 355,540 |
| Avg. MW               | 871.4   |
| First Hour with Viol. | 151     |

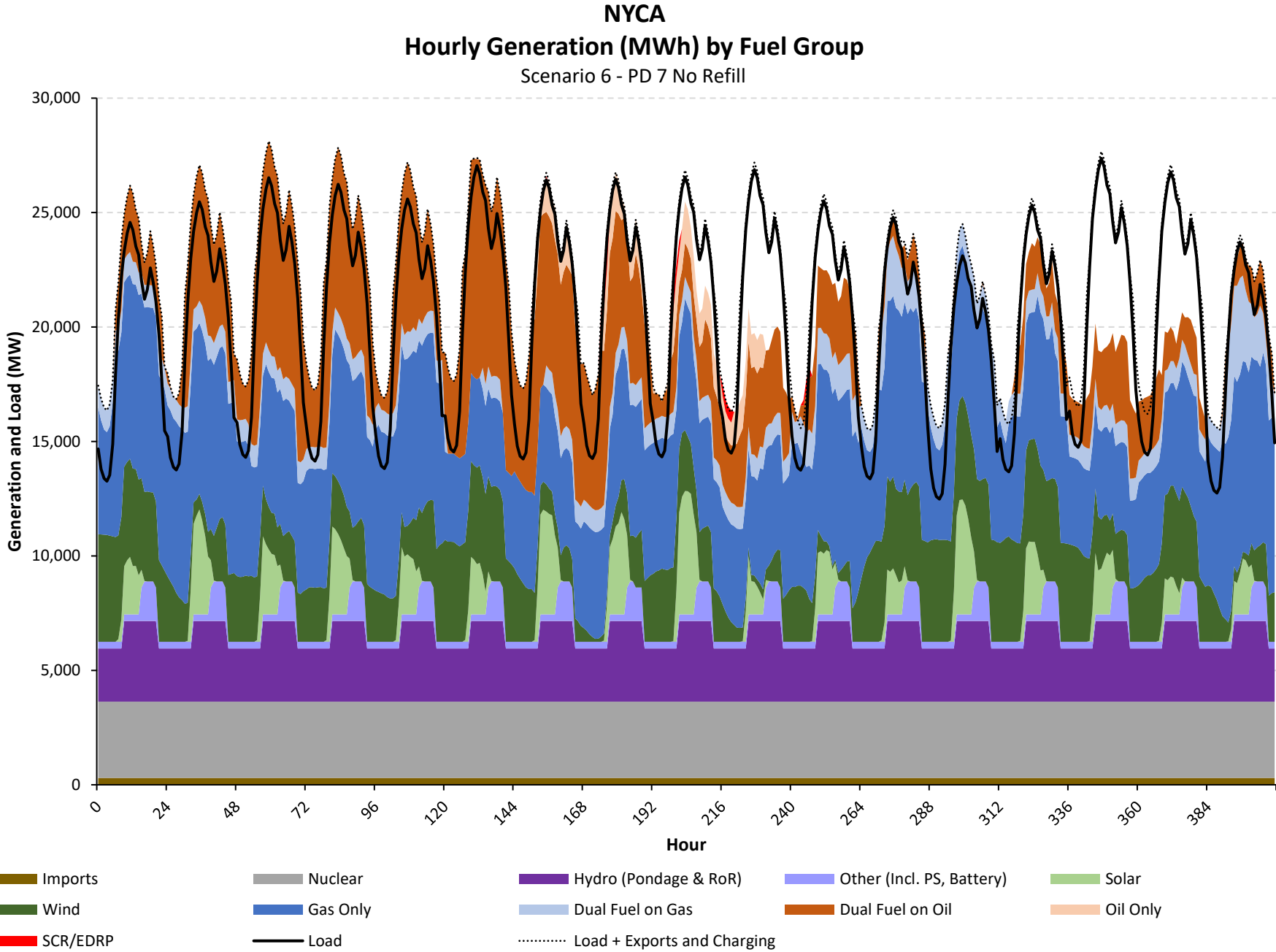
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 138     |
| Total MWh              | 385,991 |
| Avg. MW                | 946.1   |
| First Hour with Losses | 154     |

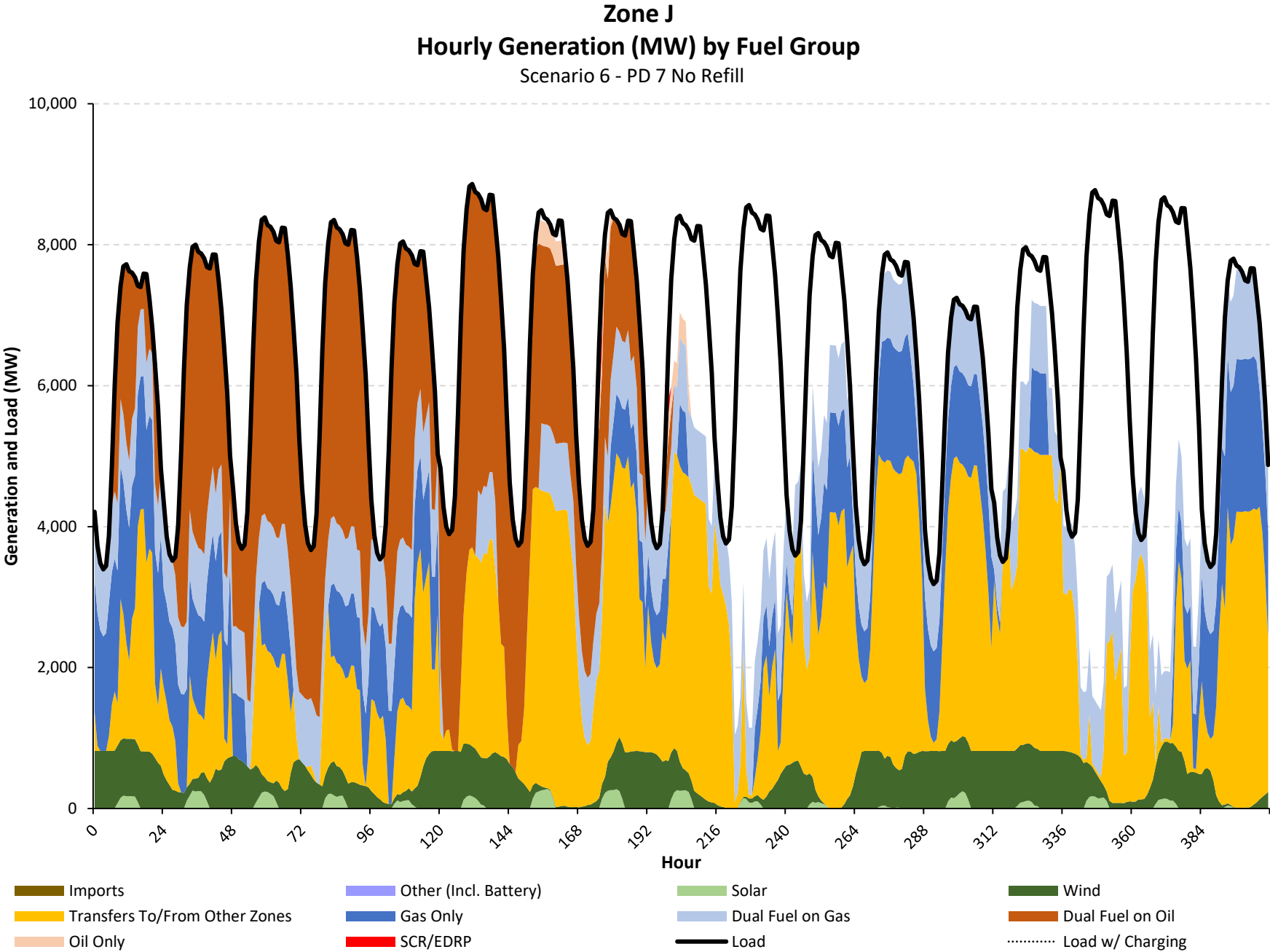
Full Period Results Summary

Case Name: Scenario 6 - PD 7 No Refill

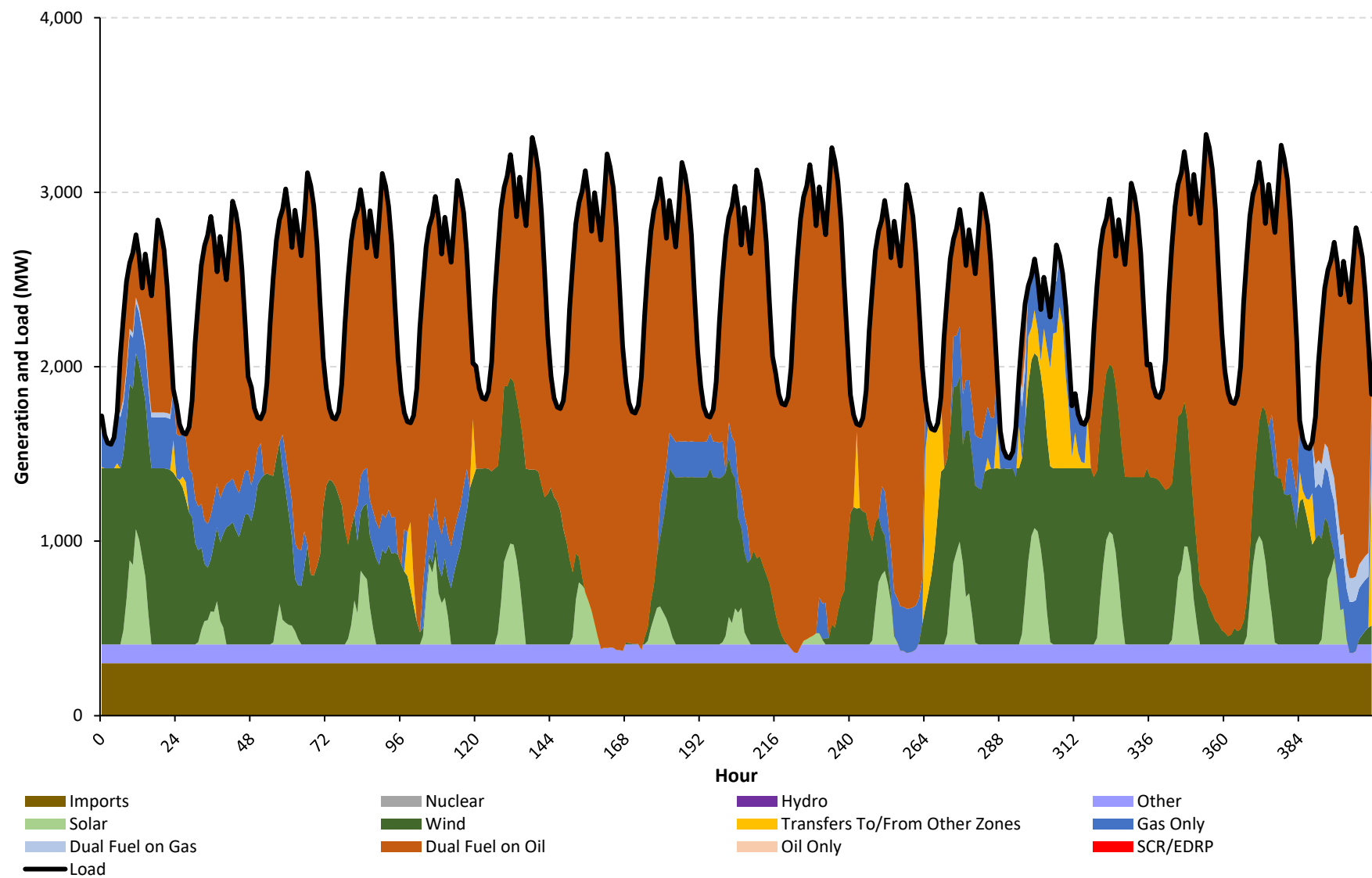
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | No Refill  |
| Loss of Gas Fired Gen.   | Off        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



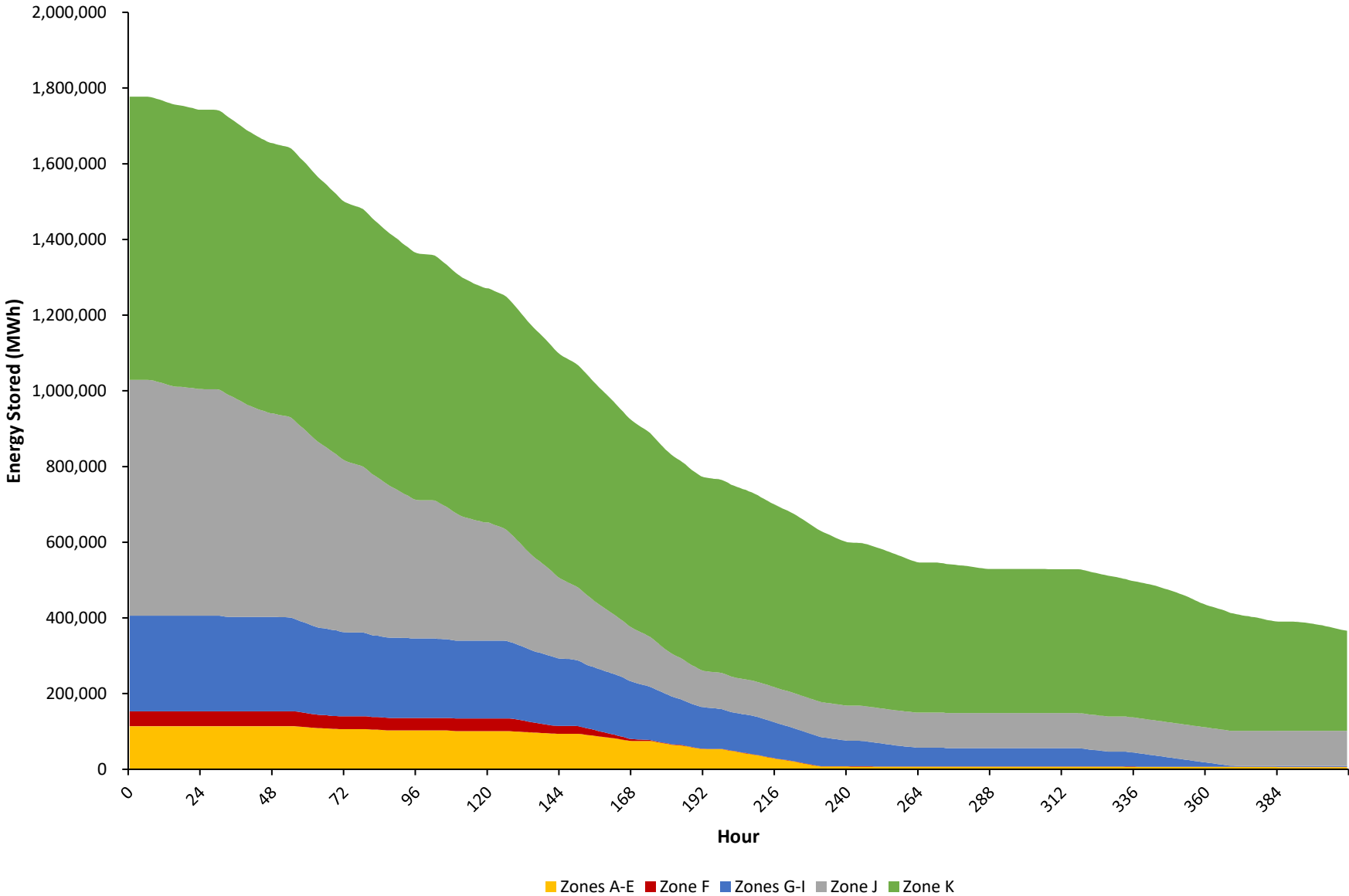


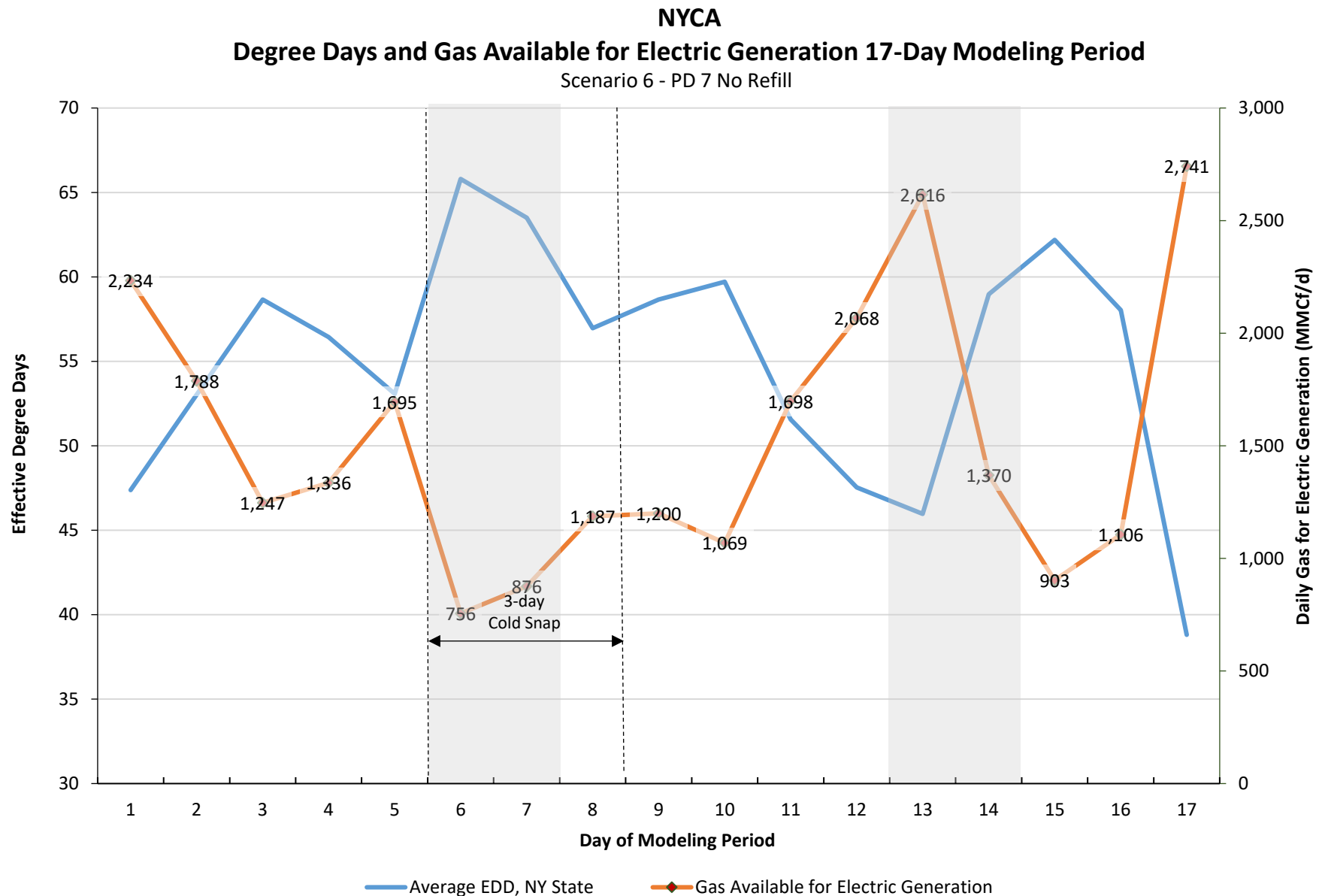


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 7 No Refill



**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 6 - PD 7 No Refill



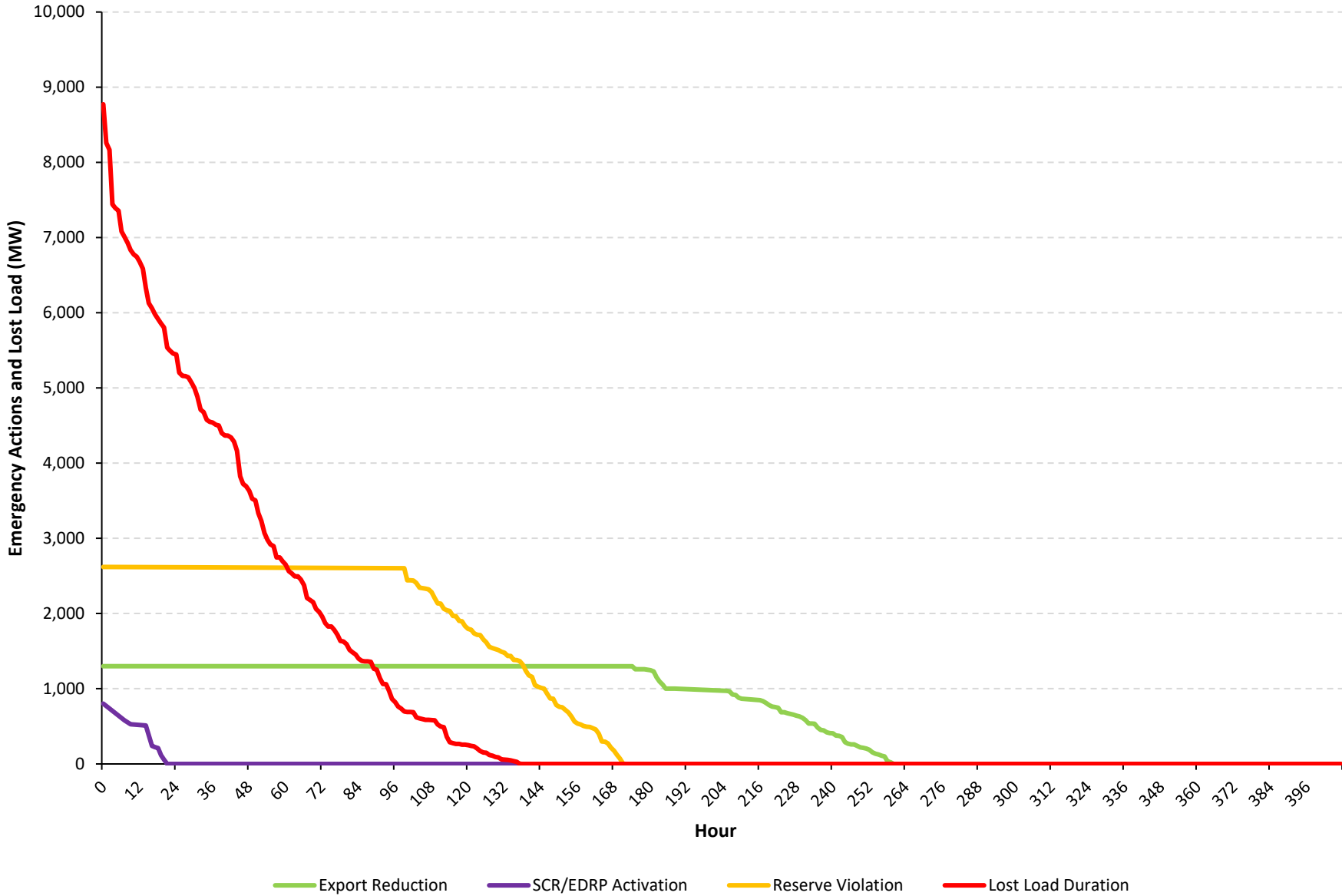


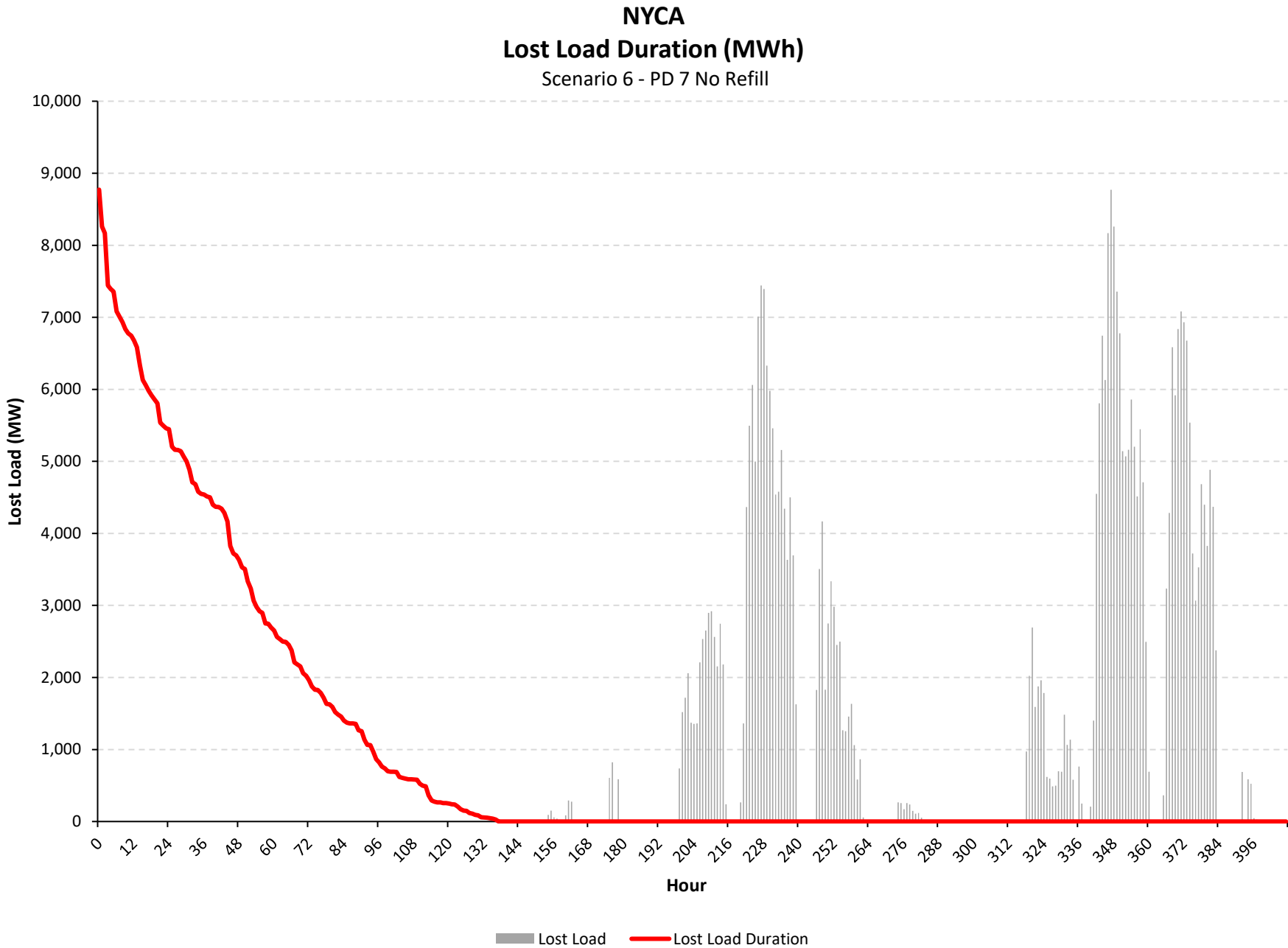
**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 6 - PD 7 No Refill



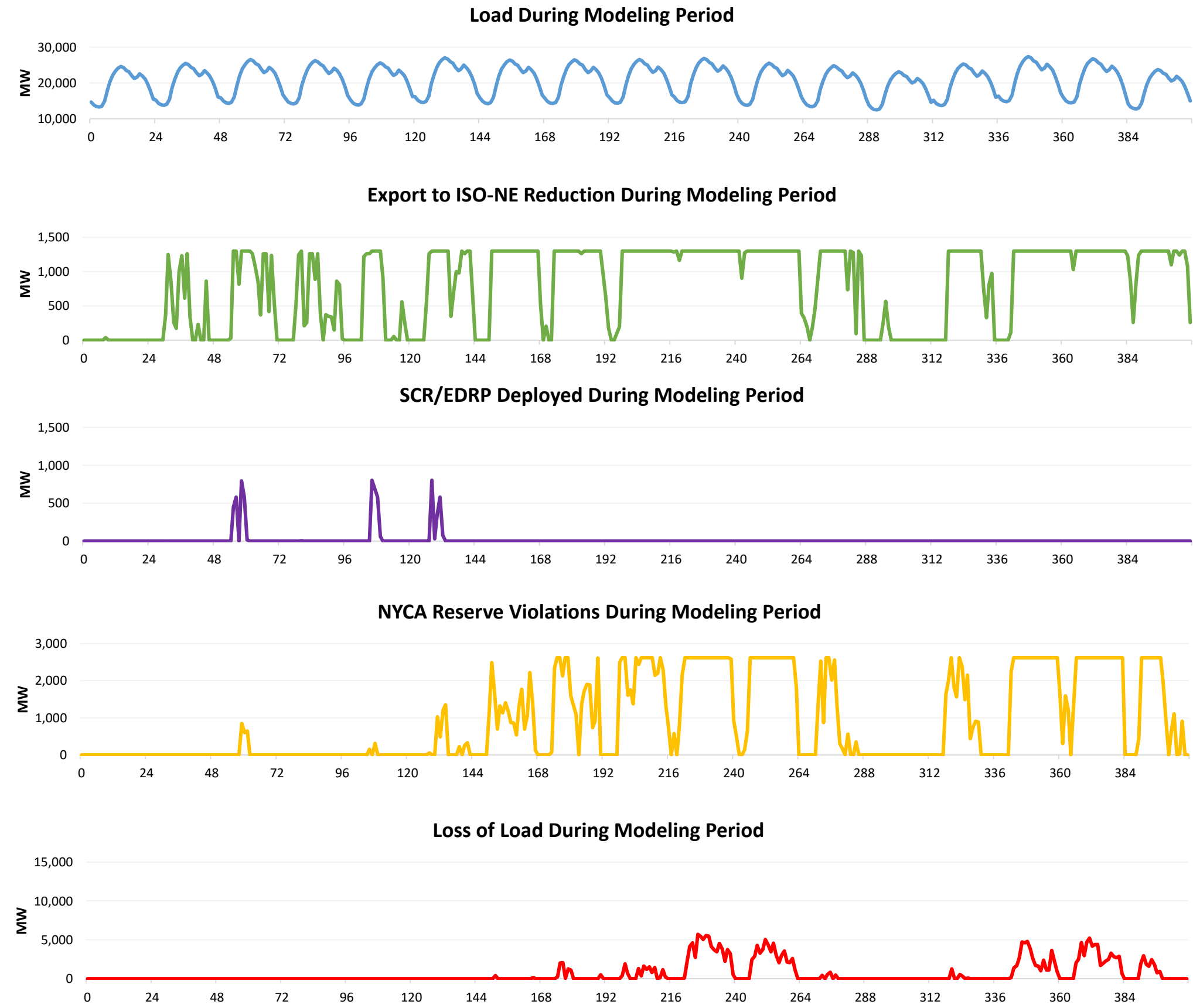


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 295     |
| Total MWh         | 326,460 |
| Avg. MW           | 800.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 6,387 |
| Avg. MW        | 15.7  |

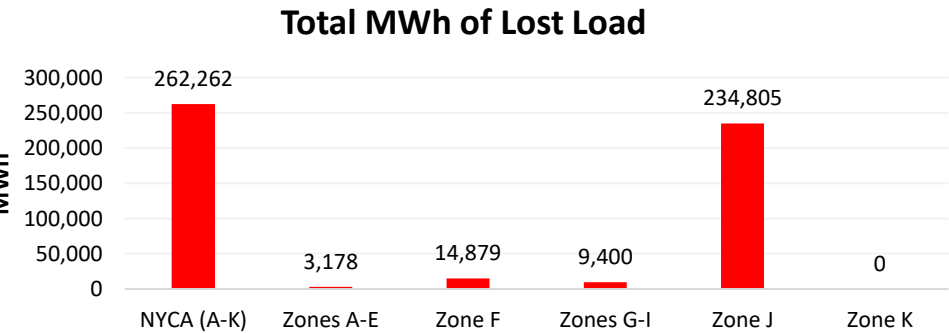
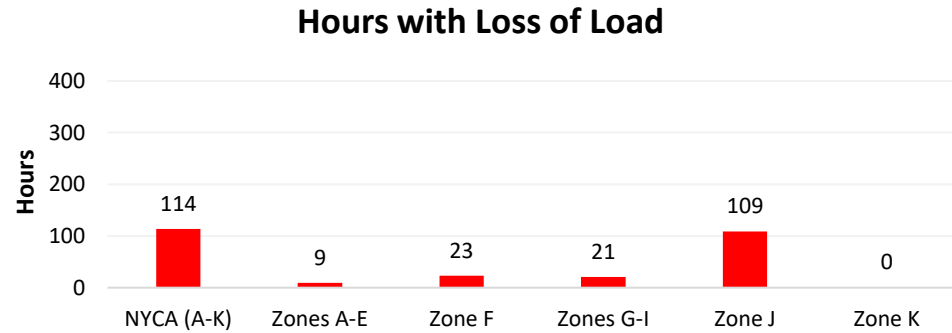
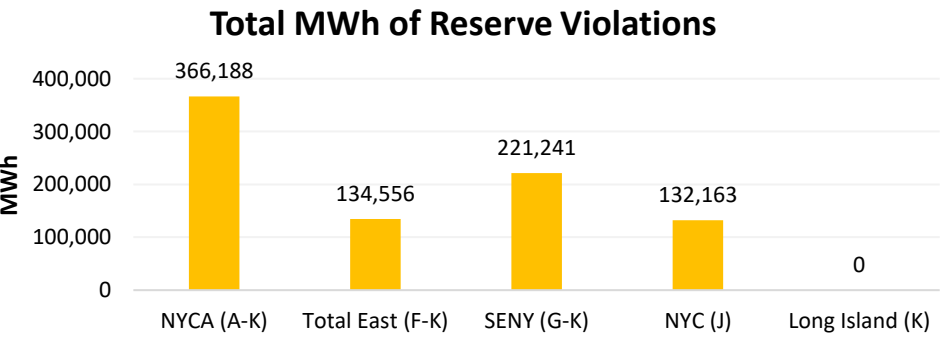
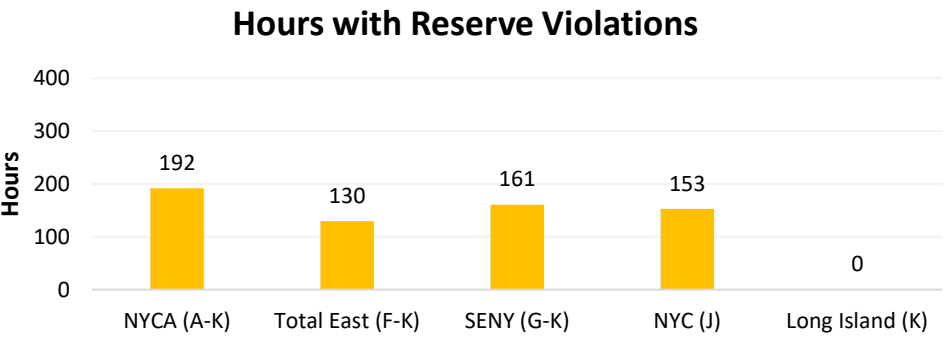
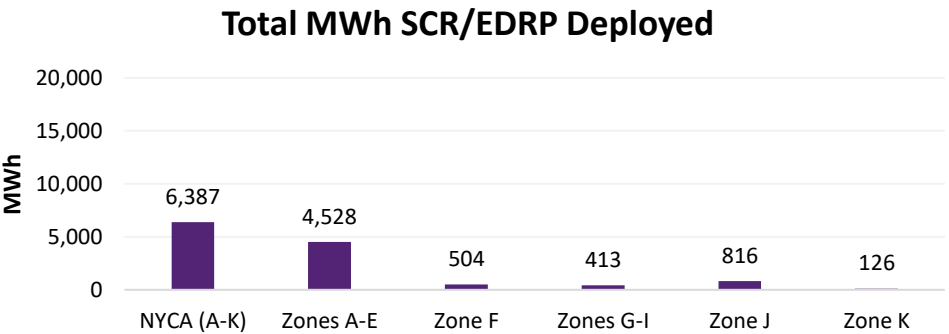
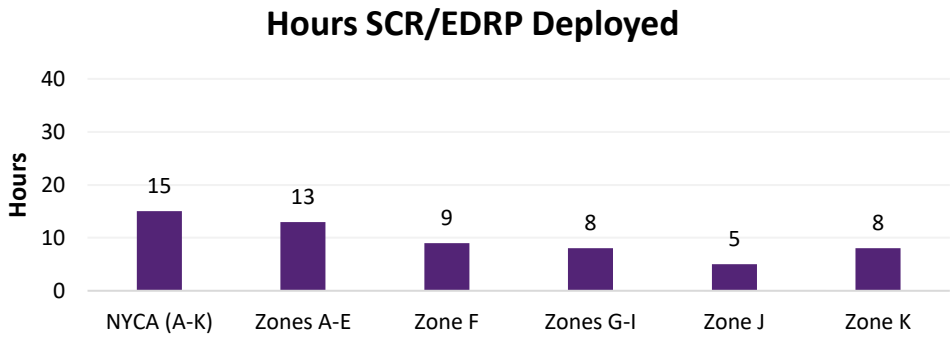
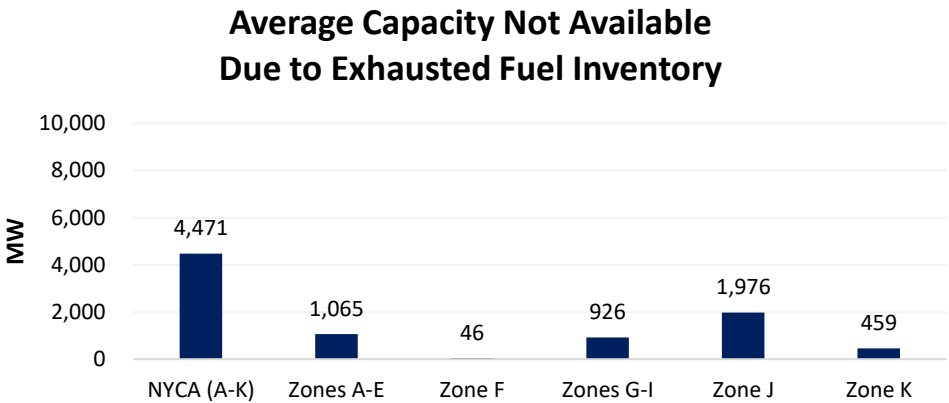
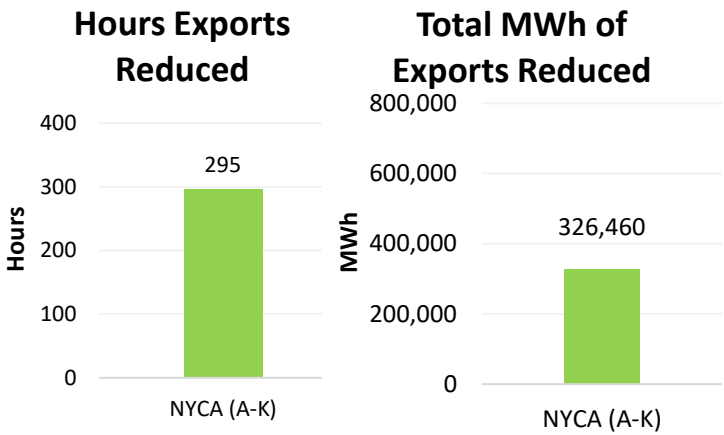
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 192     |
| Total MWh             | 366,188 |
| Avg. MW               | 897.5   |
| First Hour with Viol. | 58      |

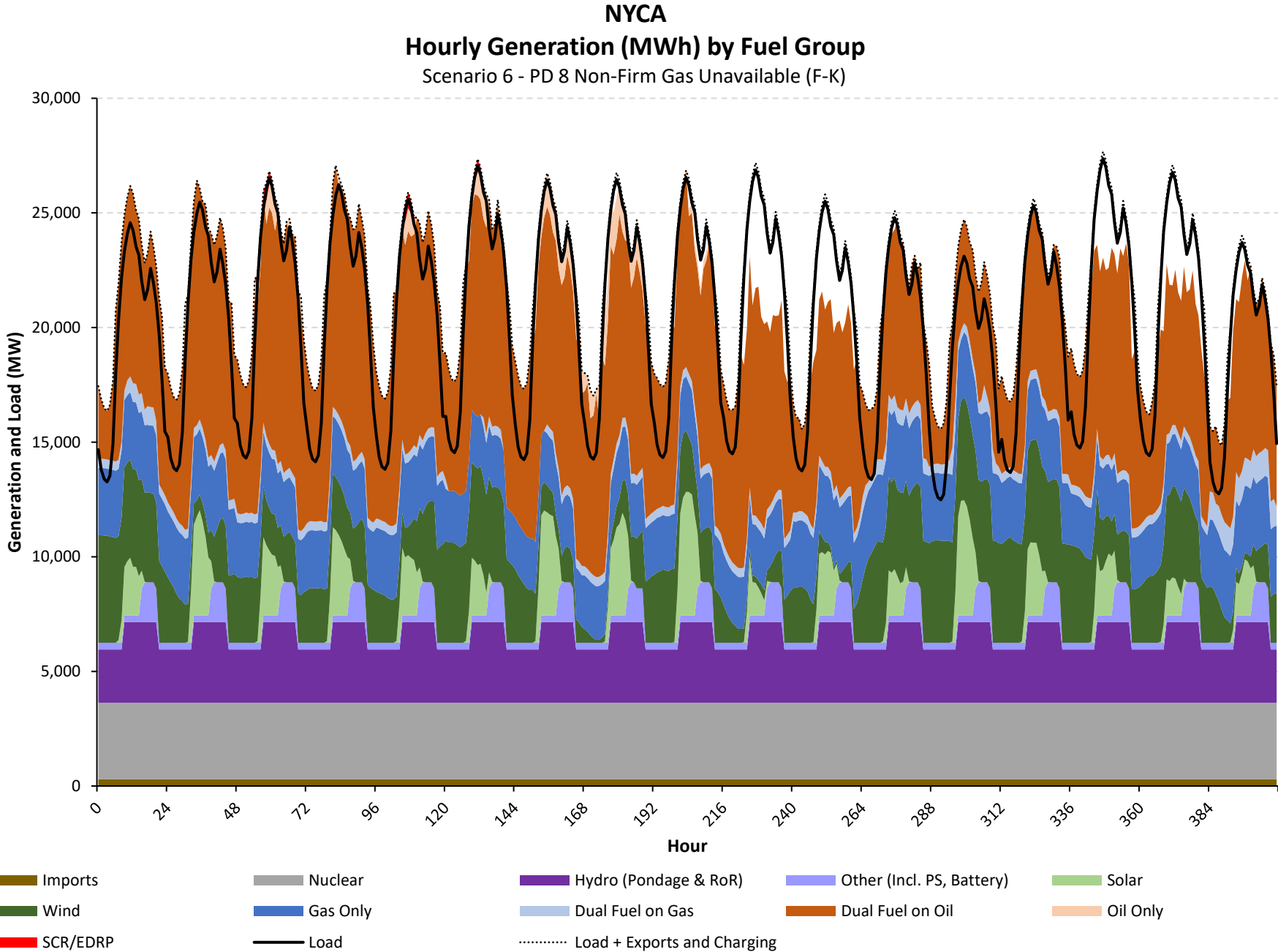
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 114     |
| Total MWh              | 262,262 |
| Avg. MW                | 642.8   |
| First Hour with Losses | 151     |

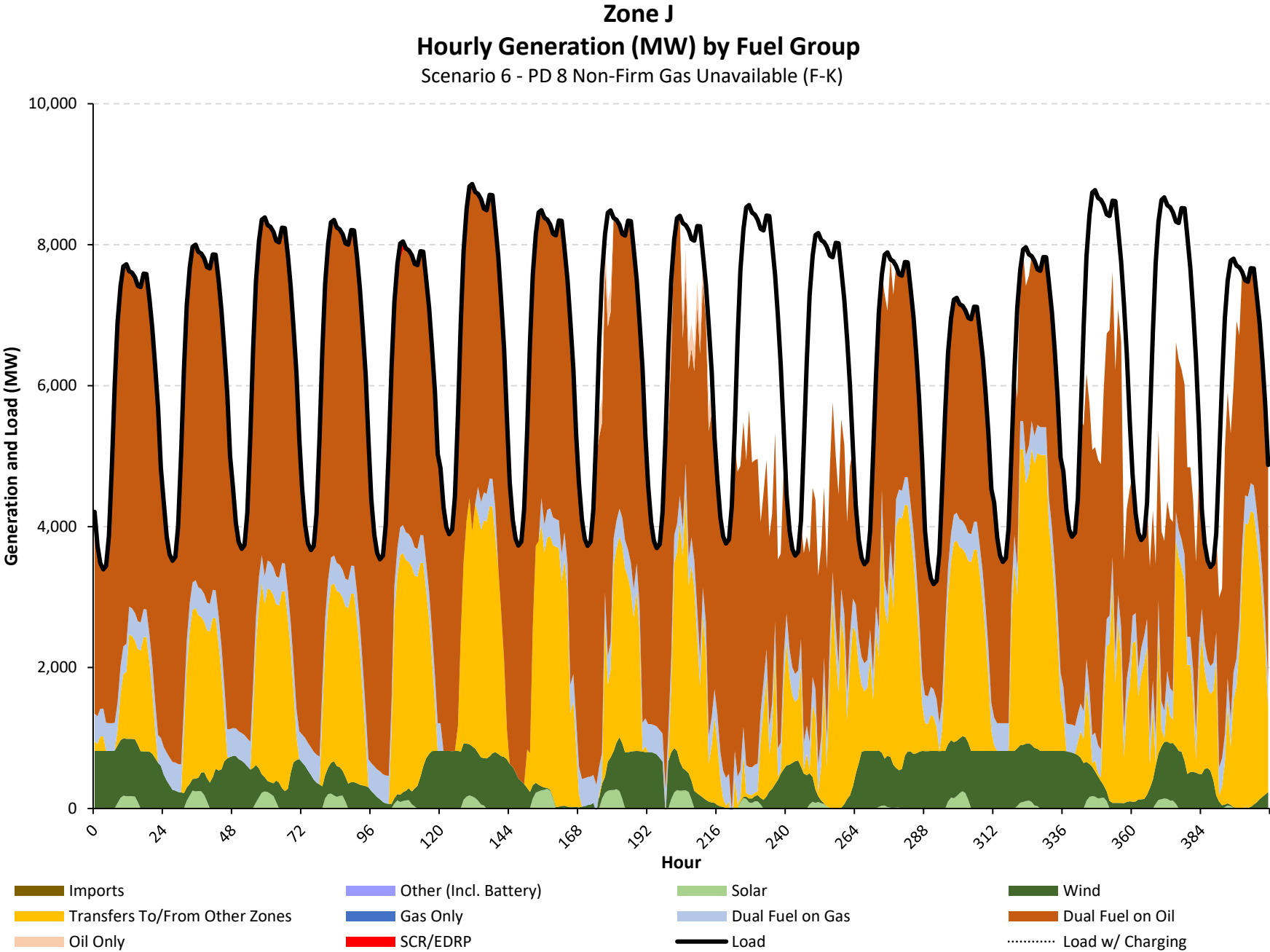
Full Period Results Summary

Case Name: Scenario 6 - PD 8 Non-Firm Gas Unavailable (F-K)

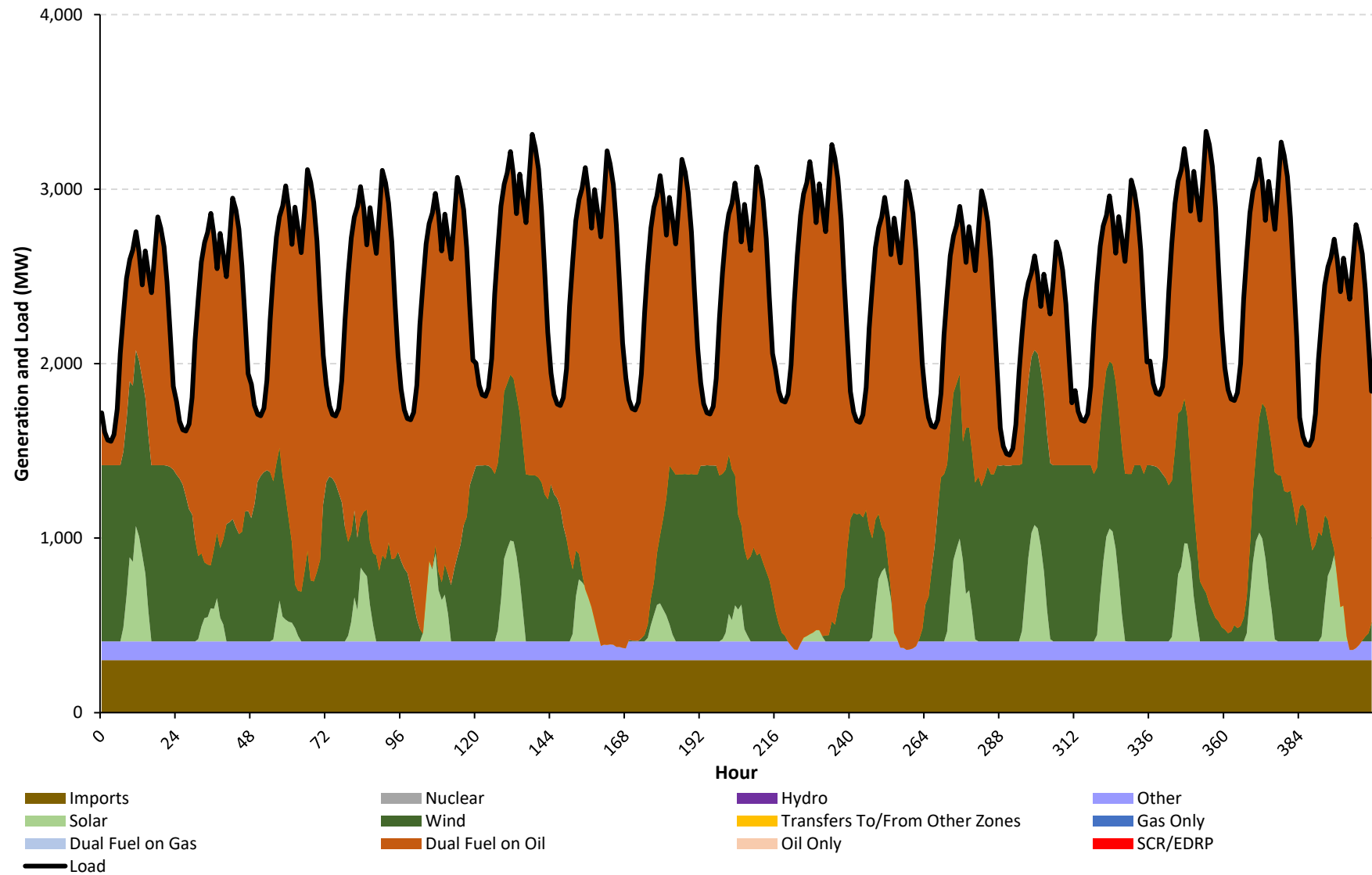
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | F-K        |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |



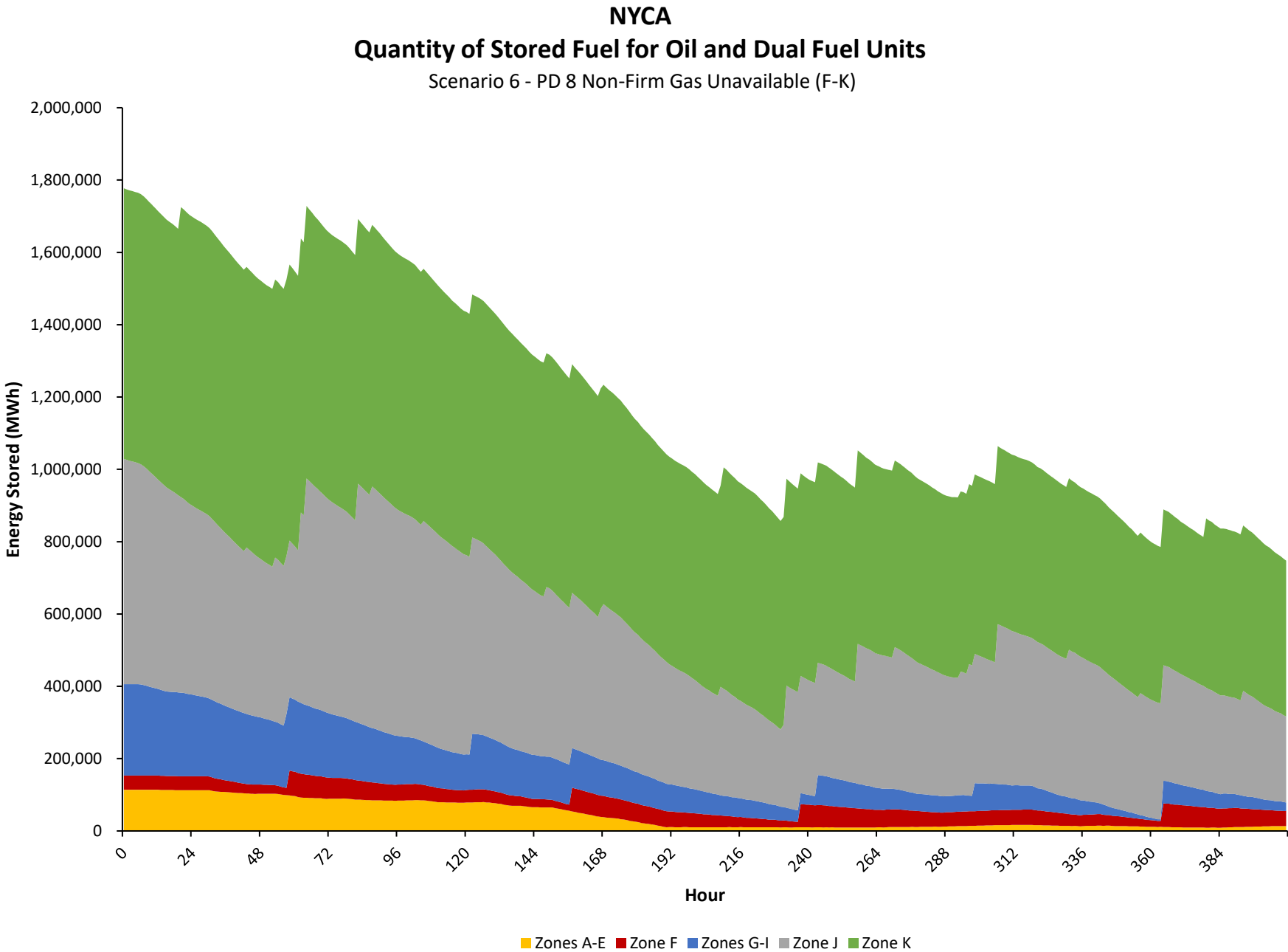


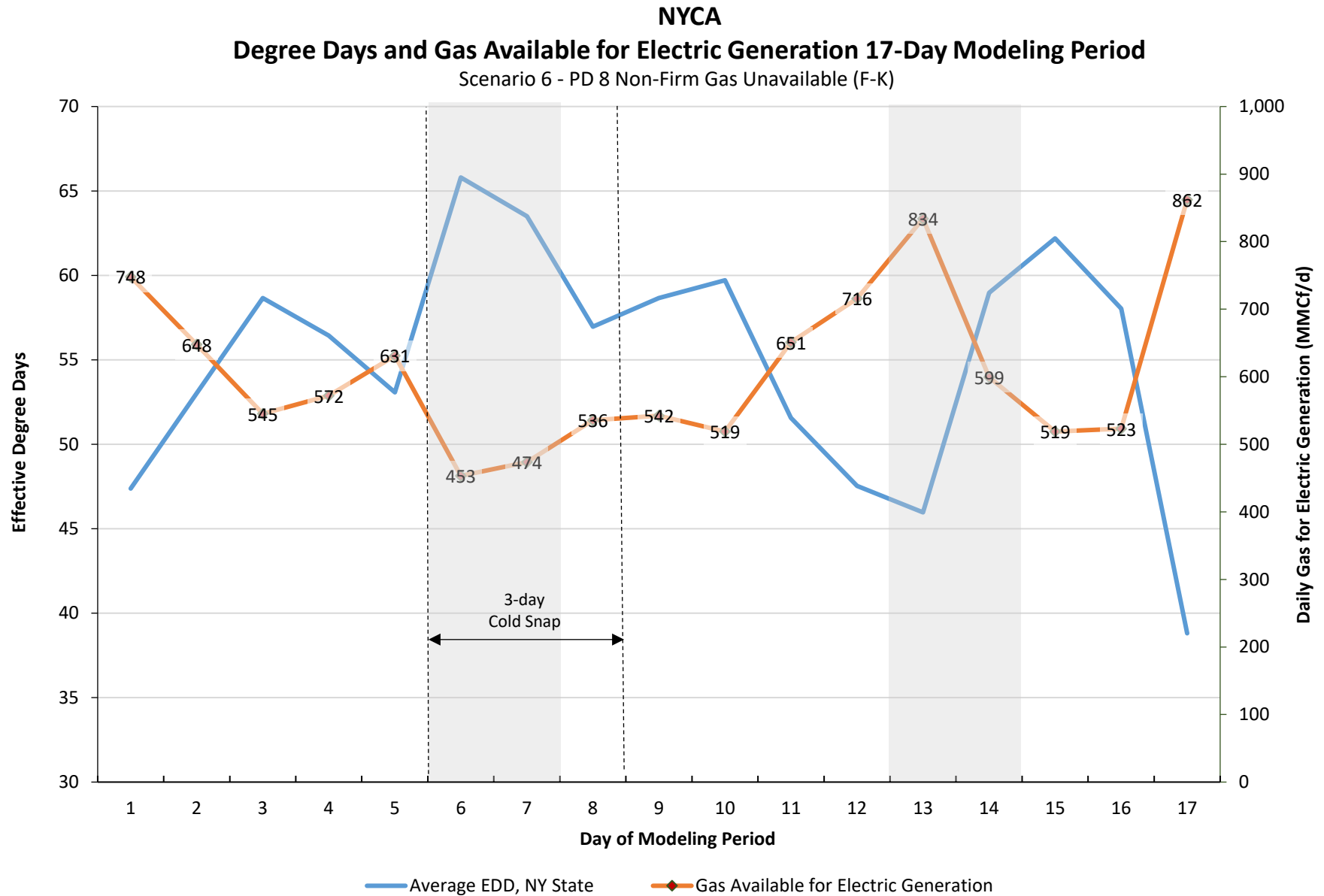


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 8 Non-Firm Gas Unavailable (F-K)





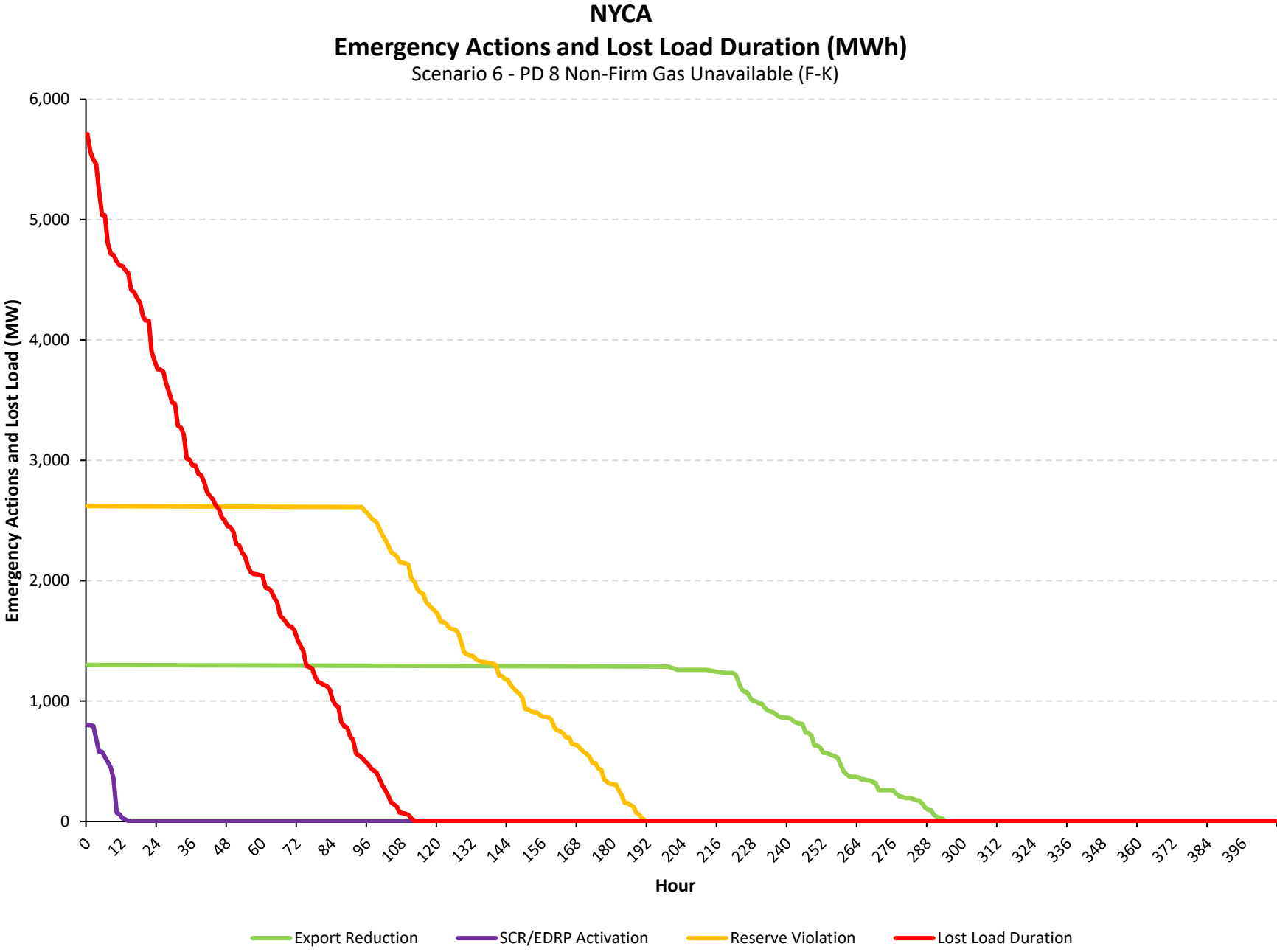


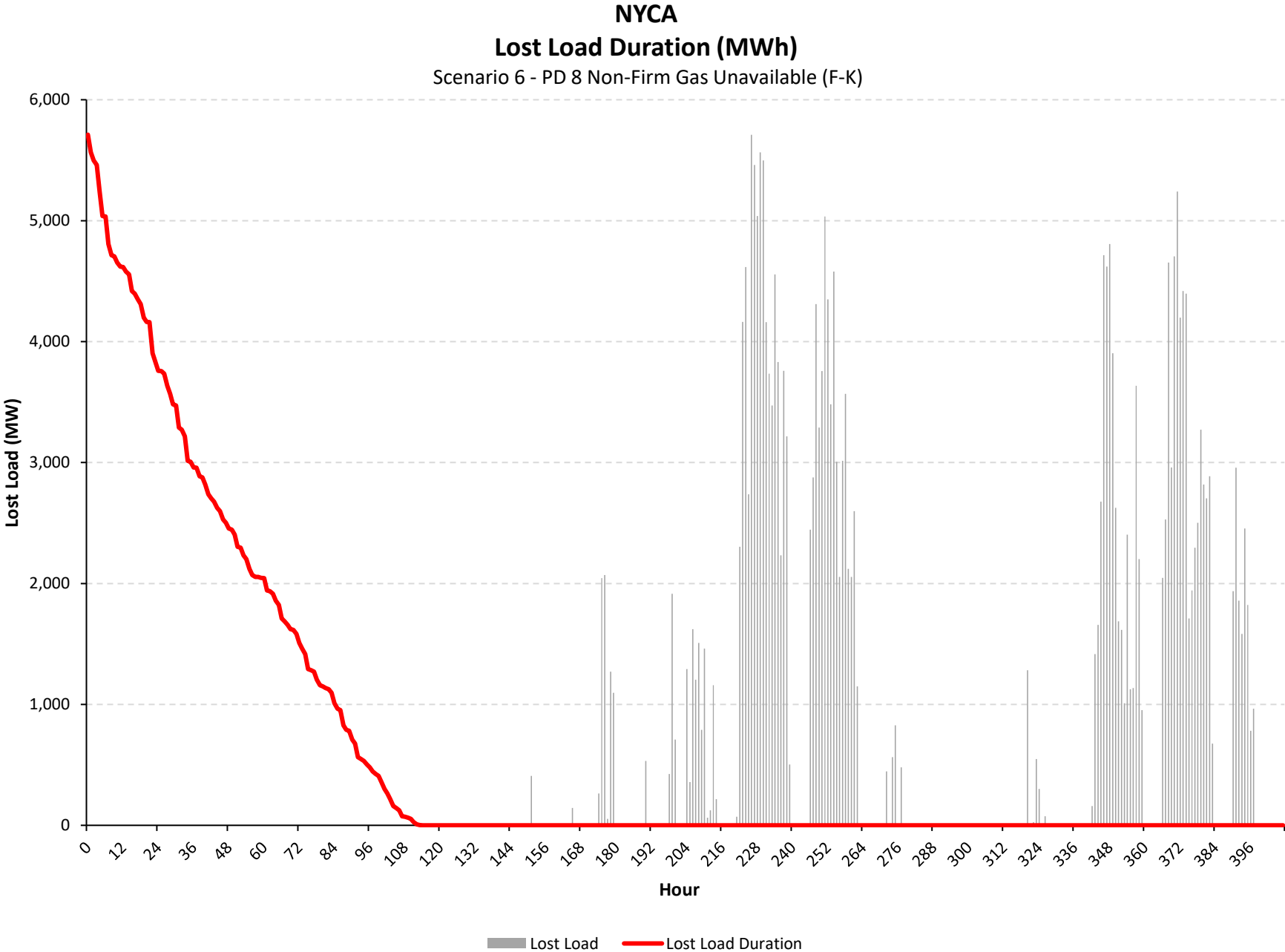


**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.



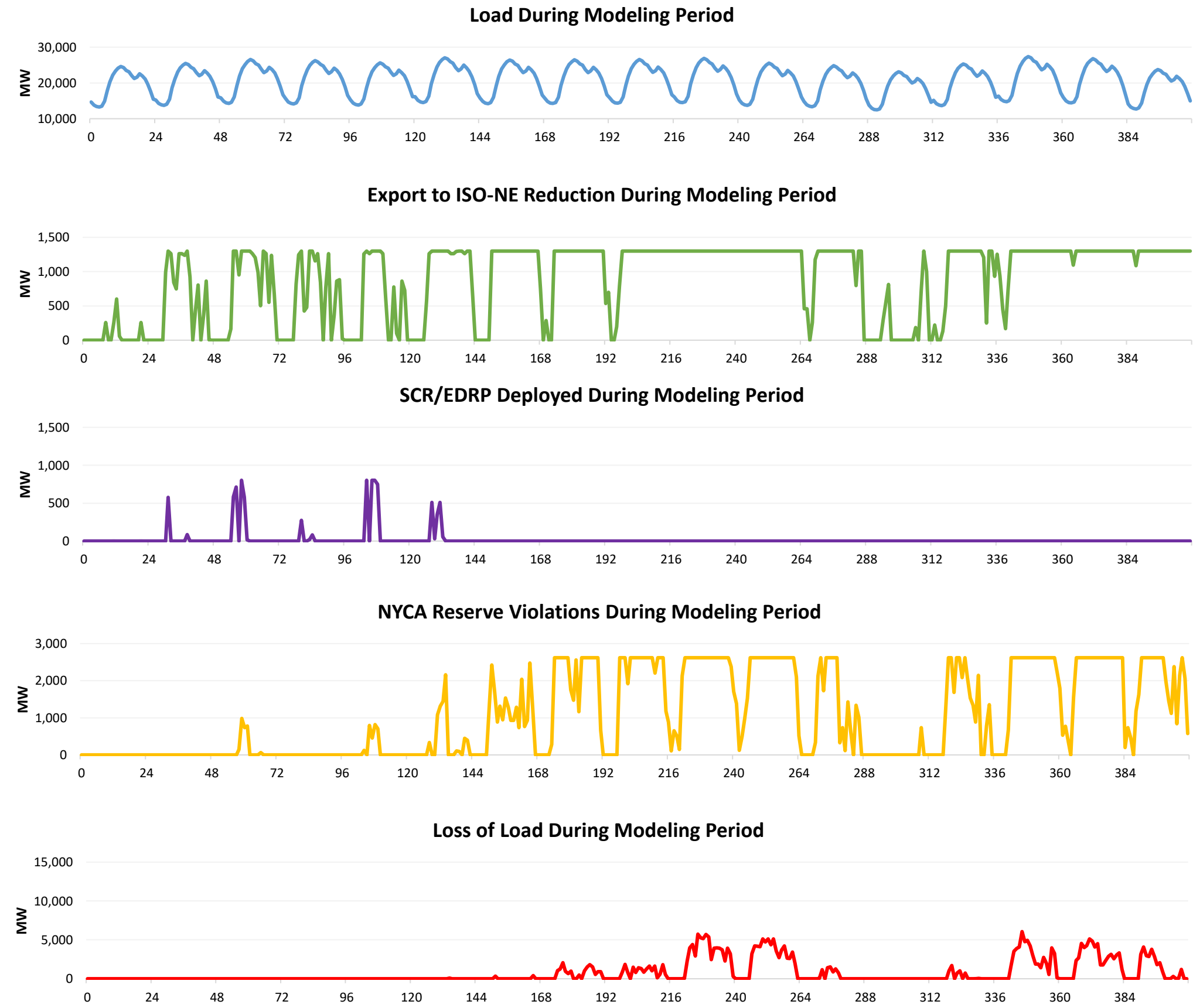


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORD) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 315     |
| Total MWh         | 362,655 |
| Avg. MW           | 888.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 19    |
| Total MWh      | 8,339 |
| Avg. MW        | 20.4  |

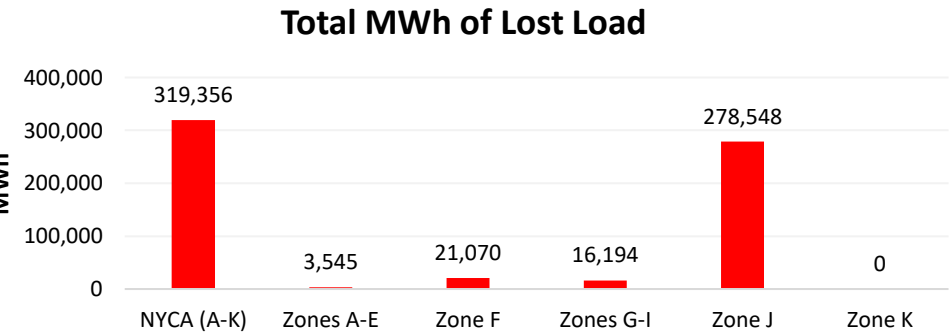
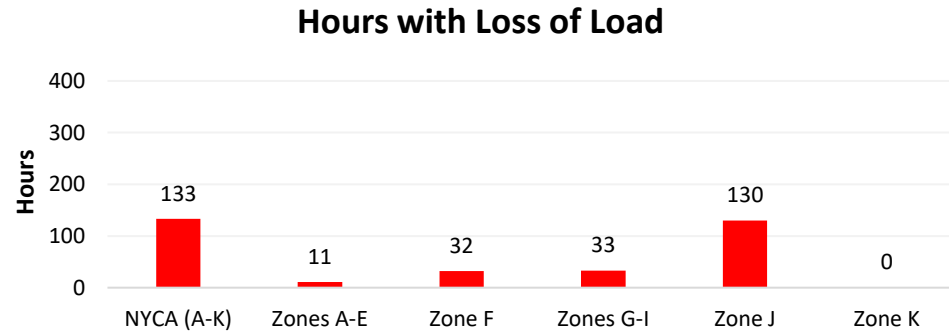
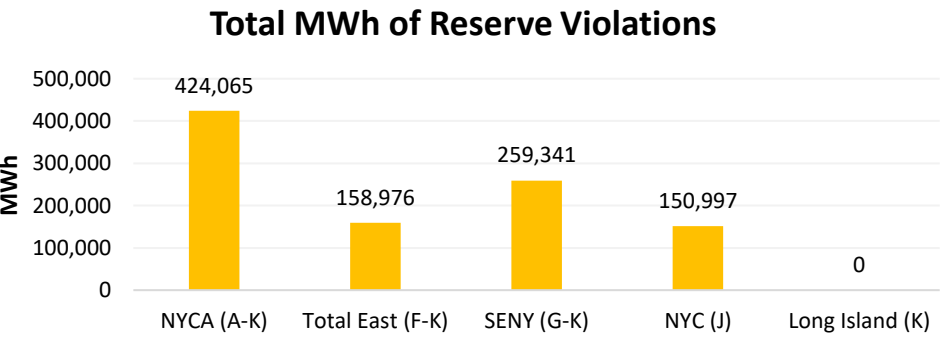
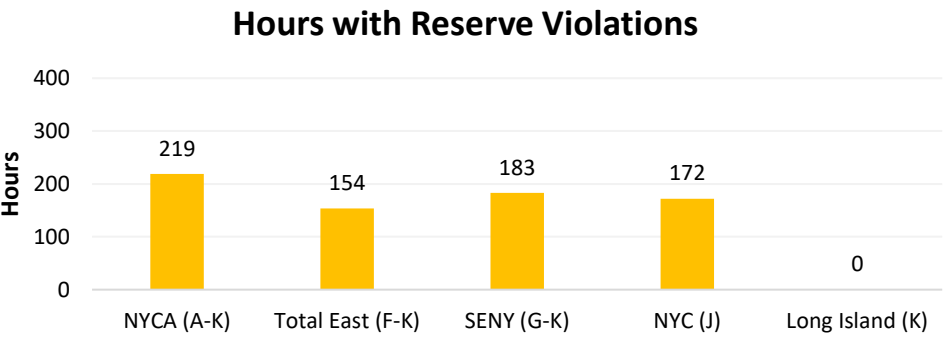
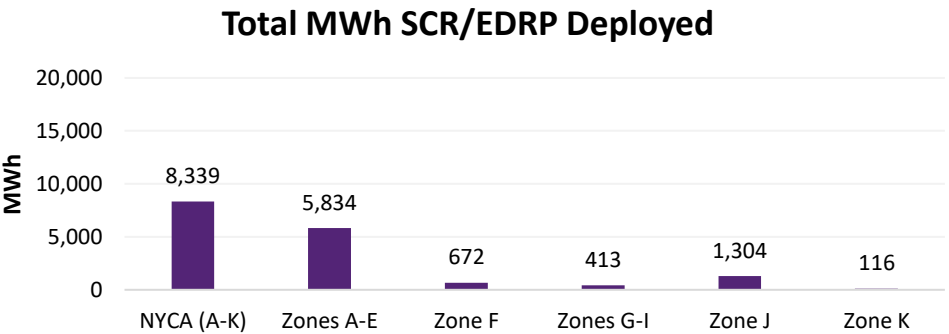
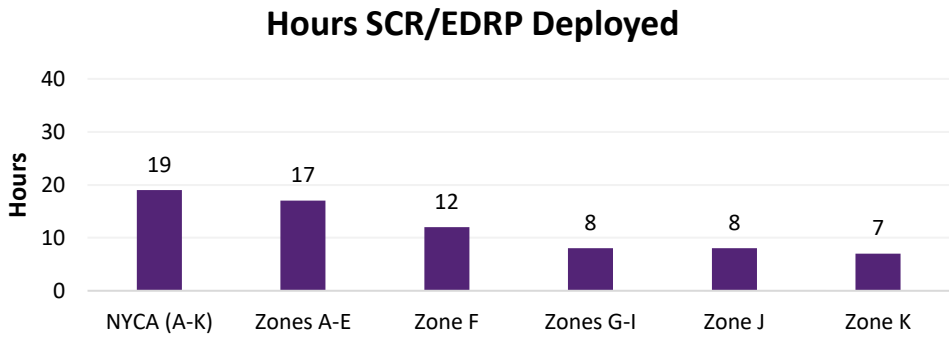
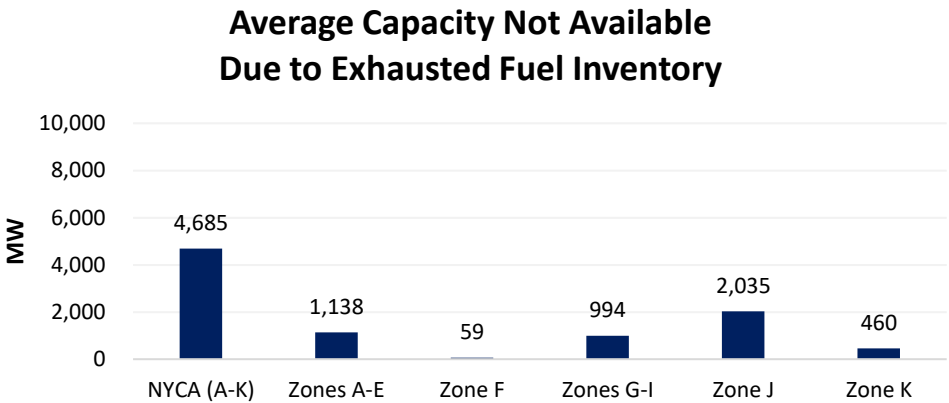
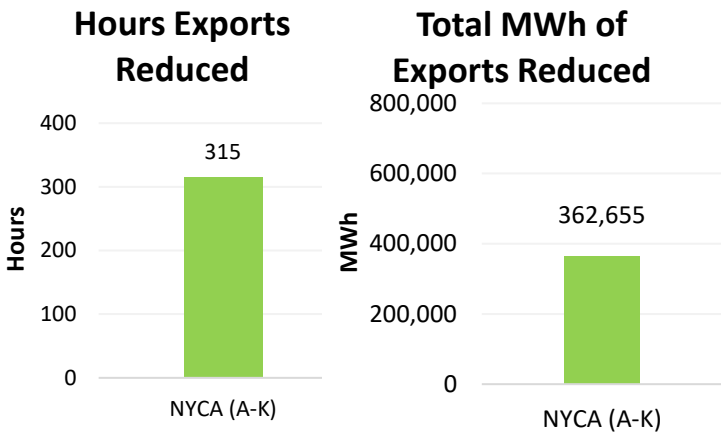
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 219     |
| Total MWh             | 424,065 |
| Avg. MW               | 1,039.4 |
| First Hour with Viol. | 58      |

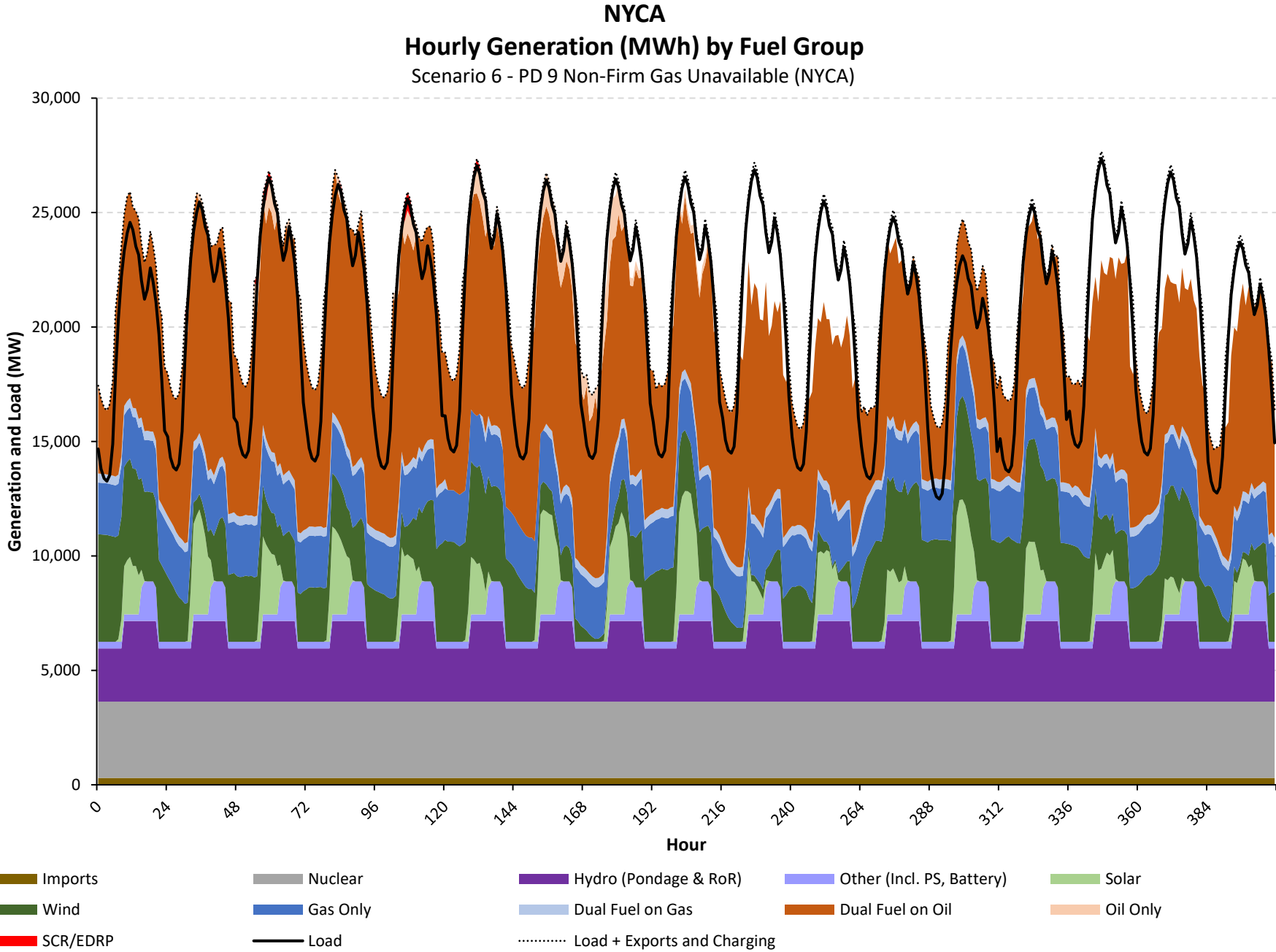
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 133     |
| Total MWh              | 319,356 |
| Avg. MW                | 782.7   |
| First Hour with Losses | 134     |

Full Period Results Summary

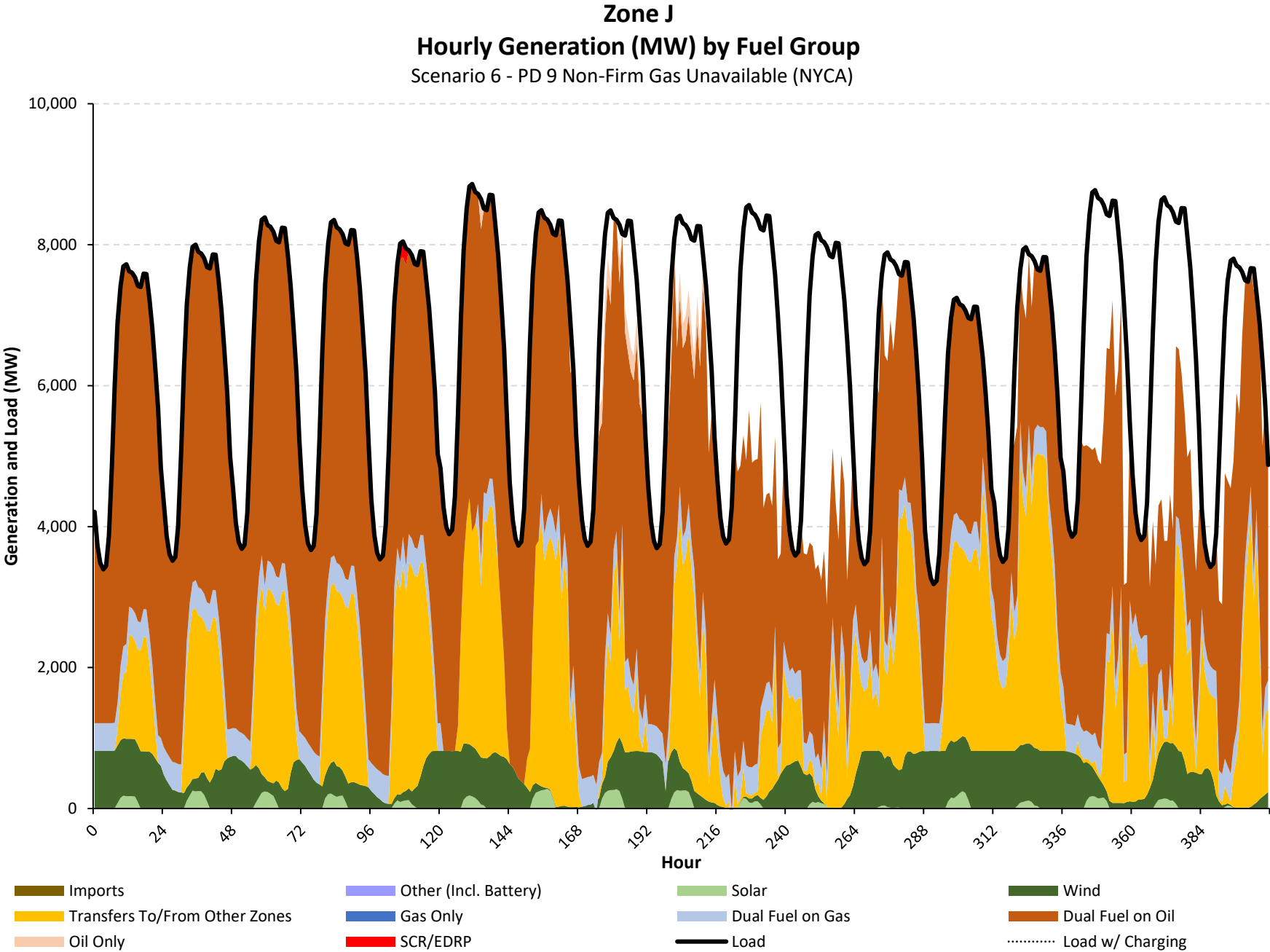
Case Name: Scenario 6 - PD 9 Non-Firm Gas Unavailable (NYCA)

| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | NYISO      |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

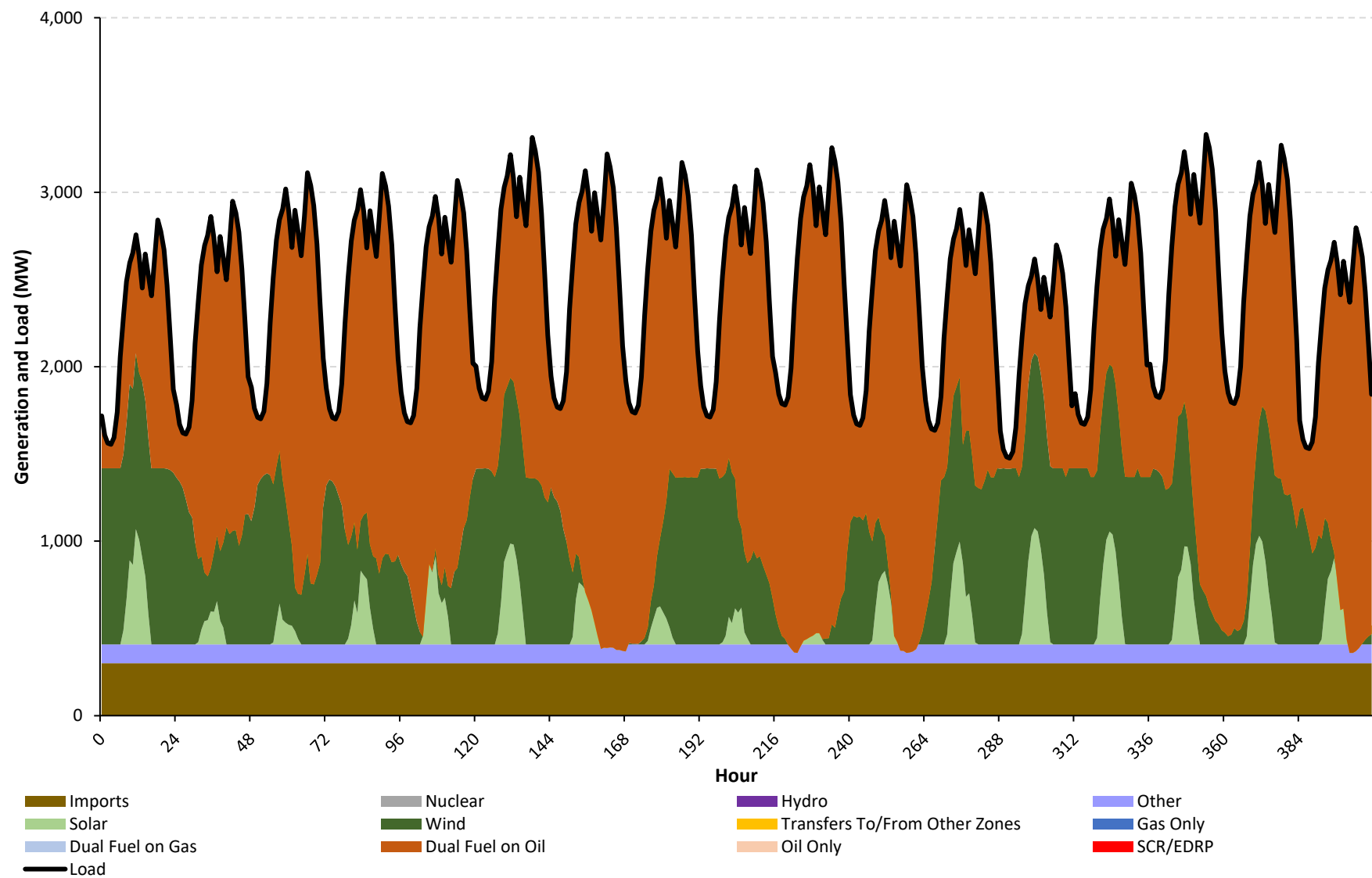


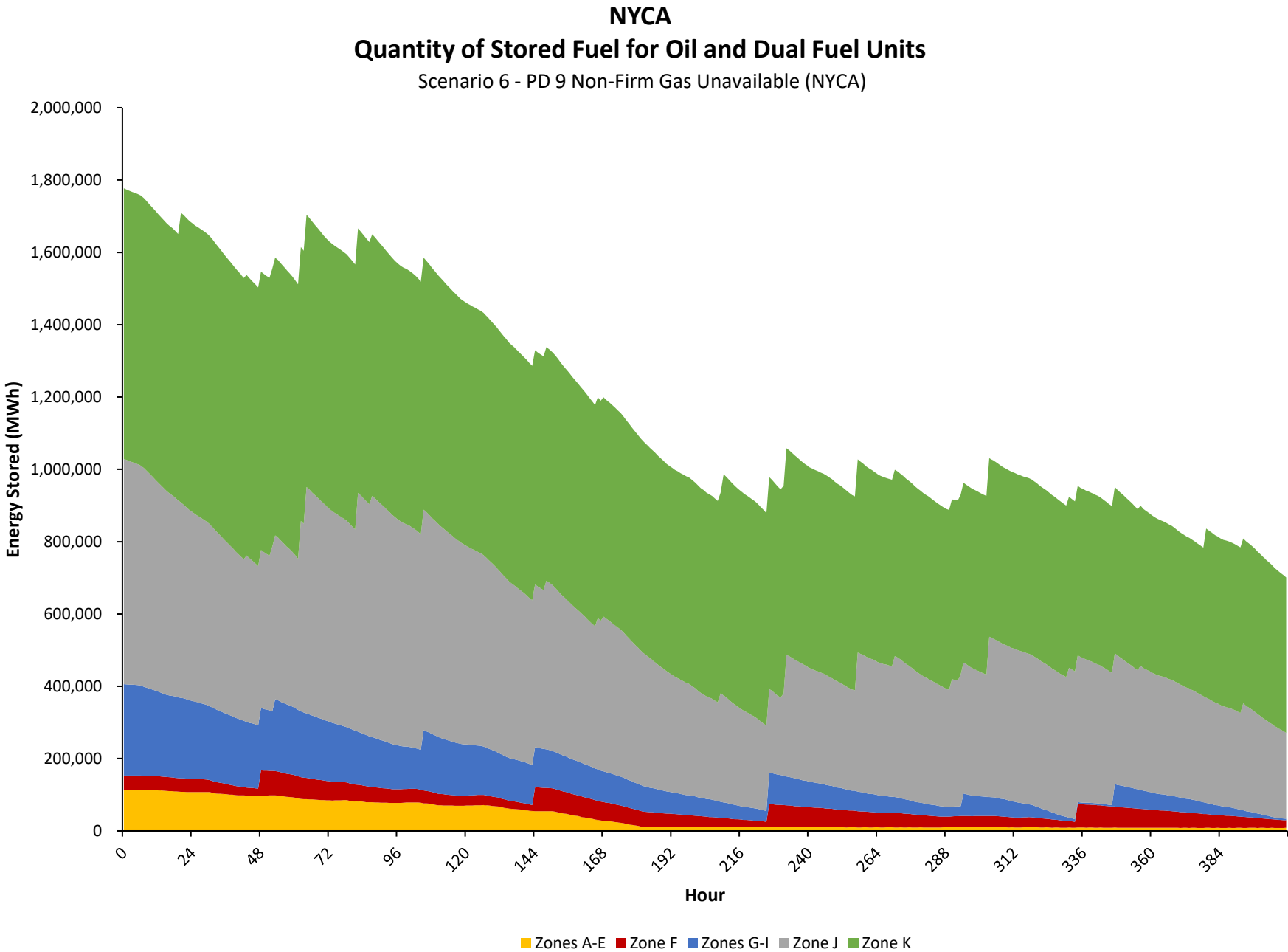


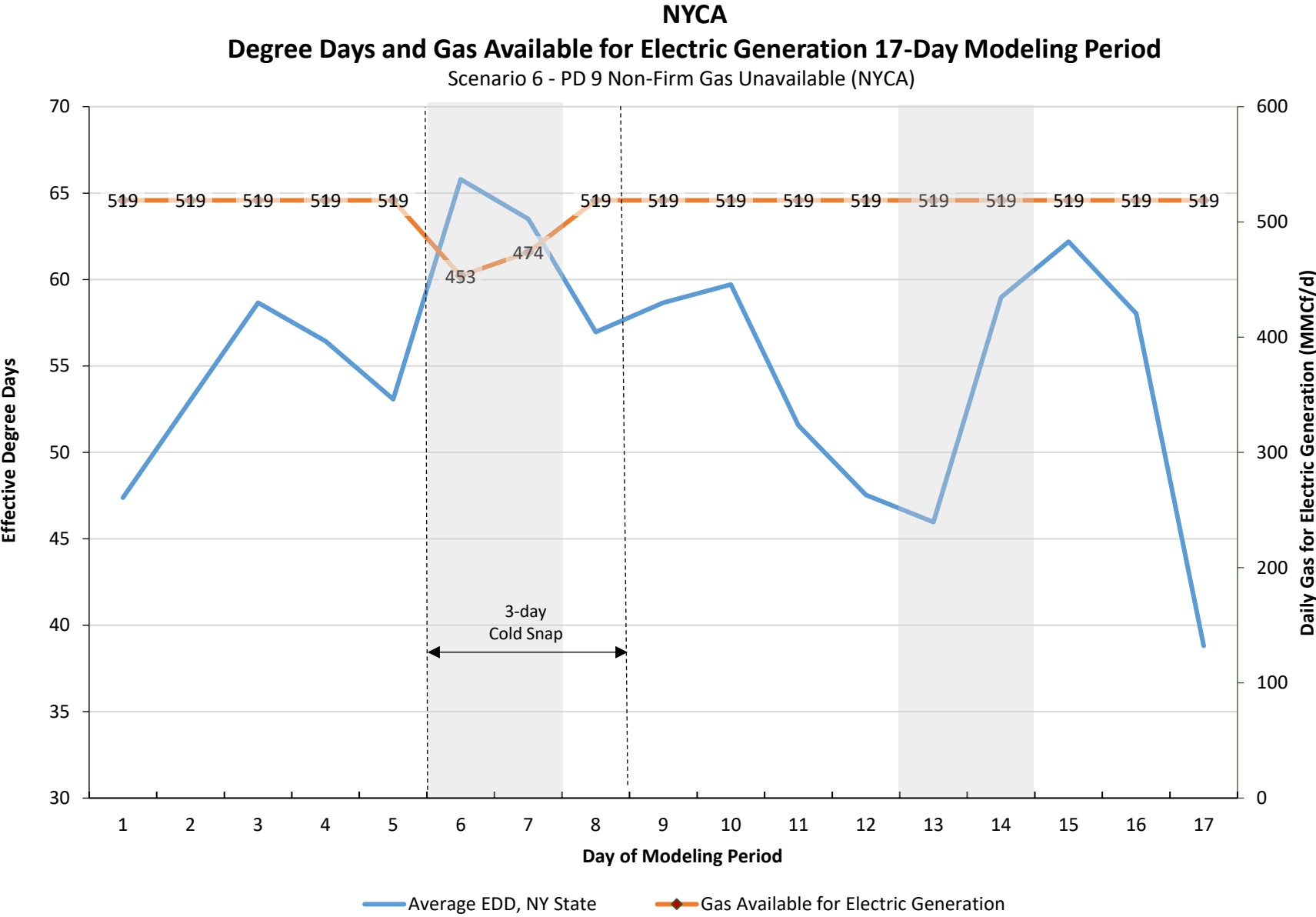




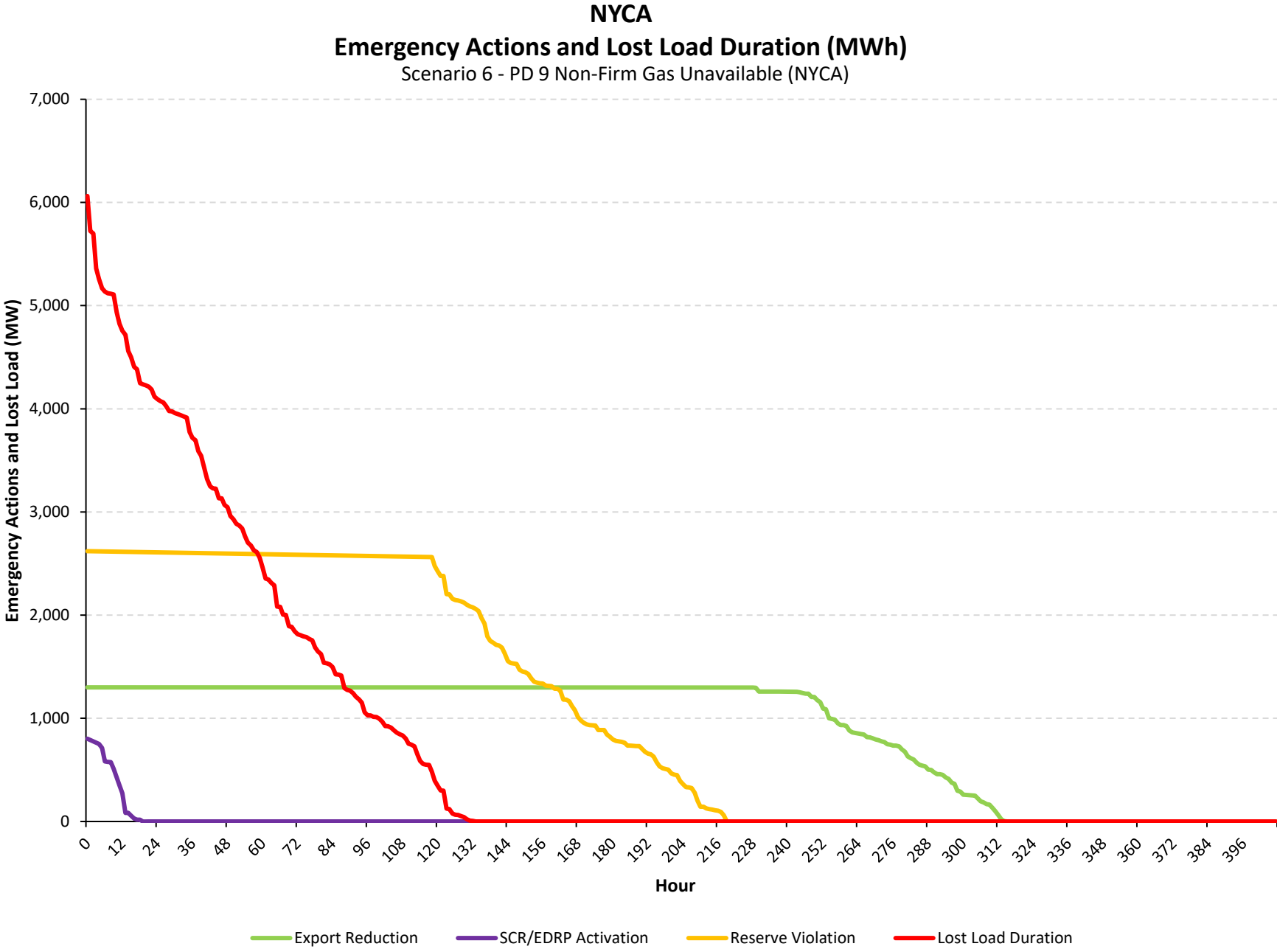
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 9 Non-Firm Gas Unavailable (NYCA)

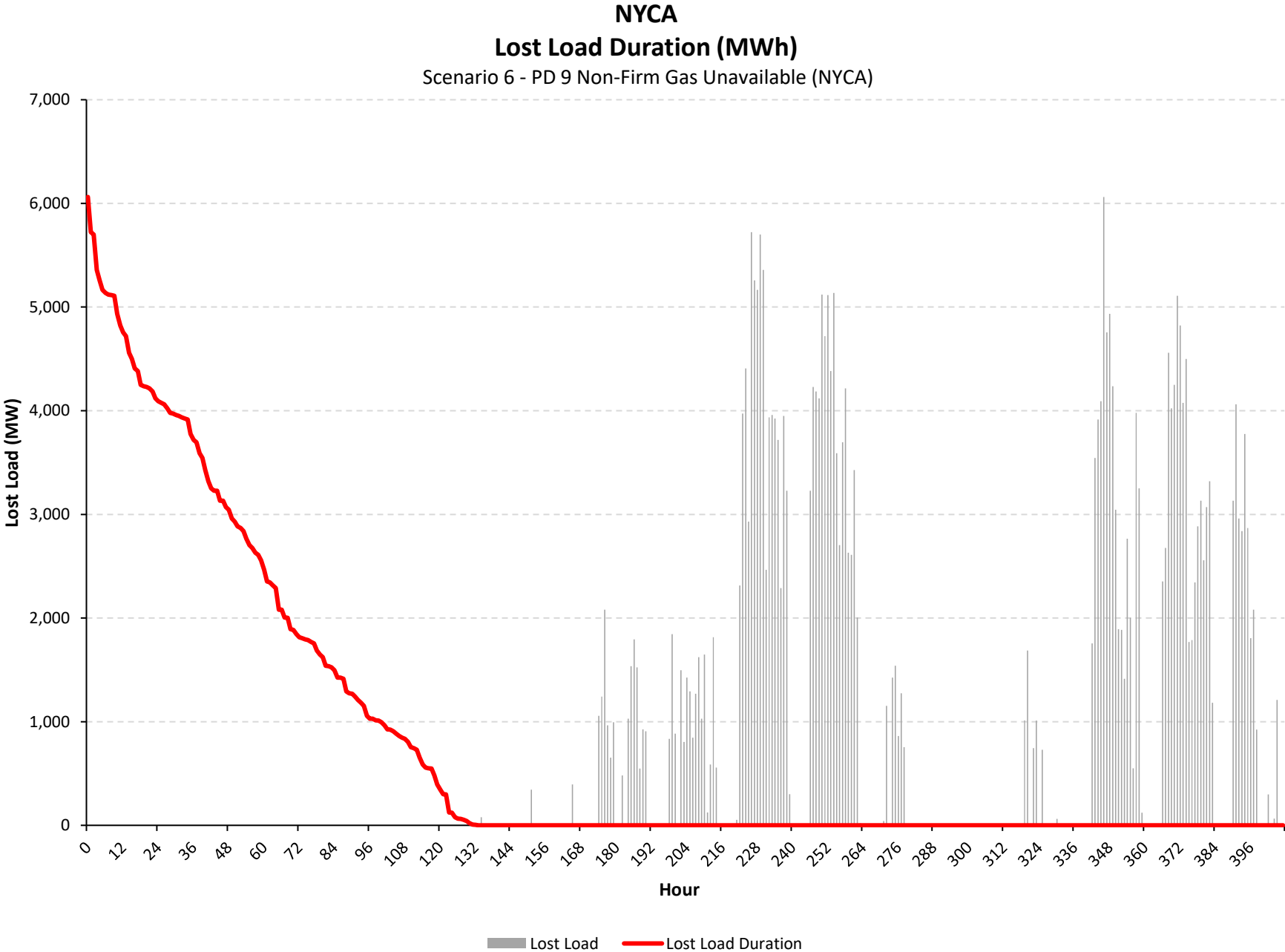






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



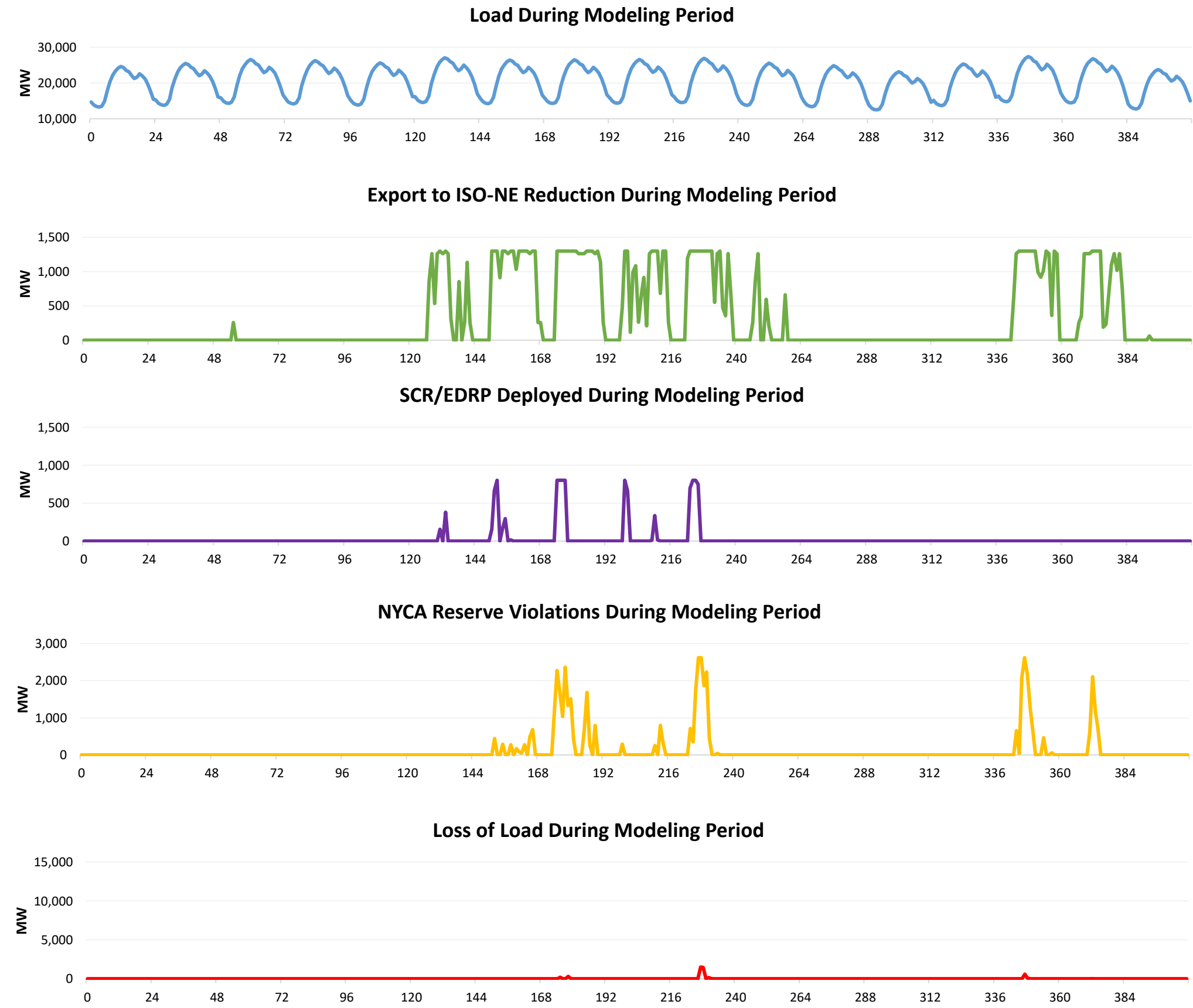


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 127     |
| Total MWh         | 130,135 |
| Avg. MW           | 319.0   |

| SCR Deployment |        |
|----------------|--------|
| Total Hrs.     | 21     |
| Total MWh      | 10,719 |
| Avg. MW        | 26.3   |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 48     |
| Total MWh             | 46,895 |
| Avg. MW               | 114.9  |
| First Hour with Viol. | 152    |

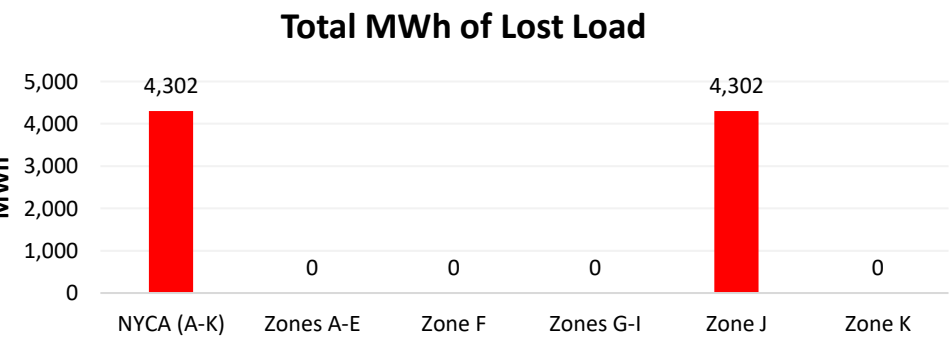
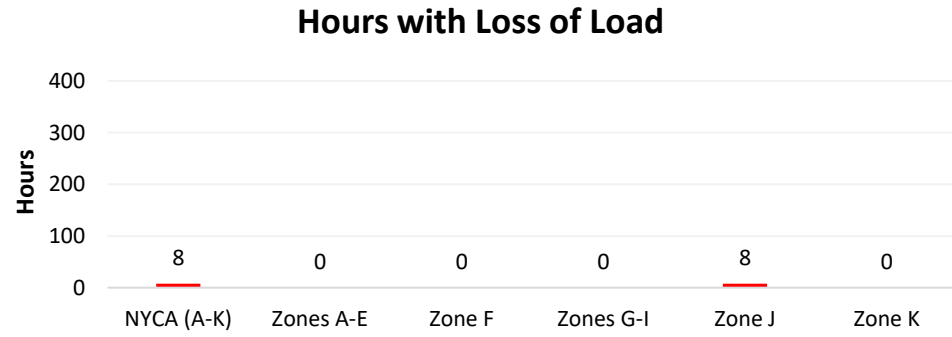
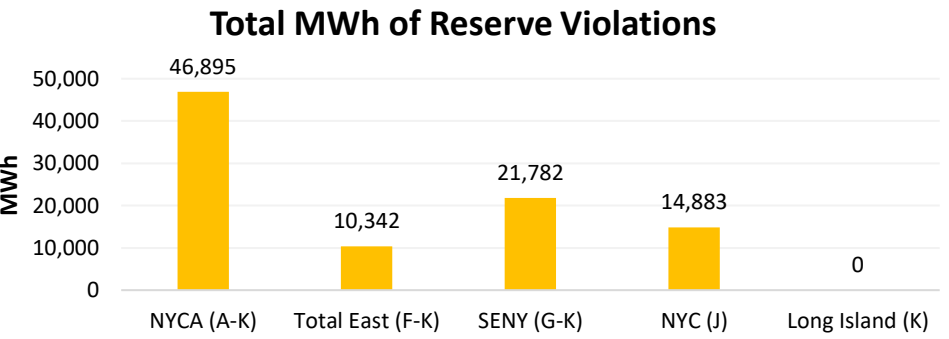
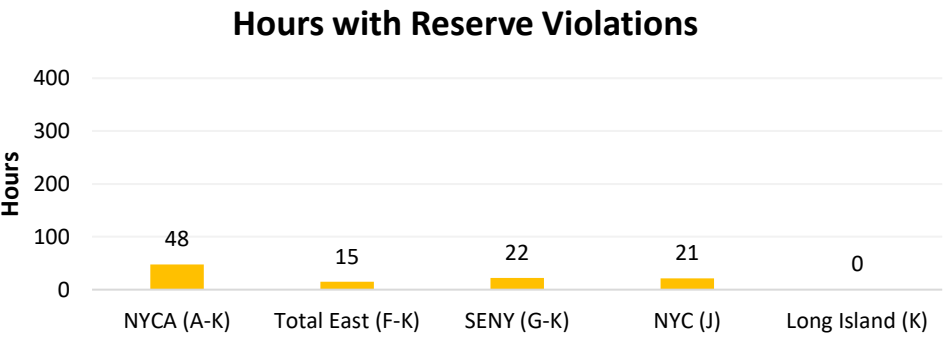
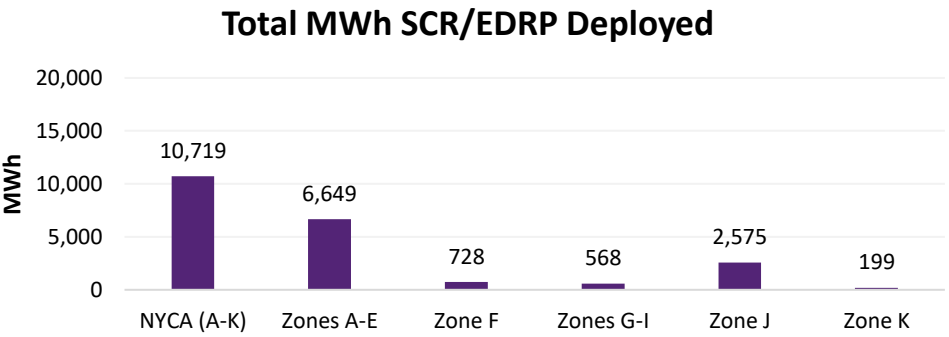
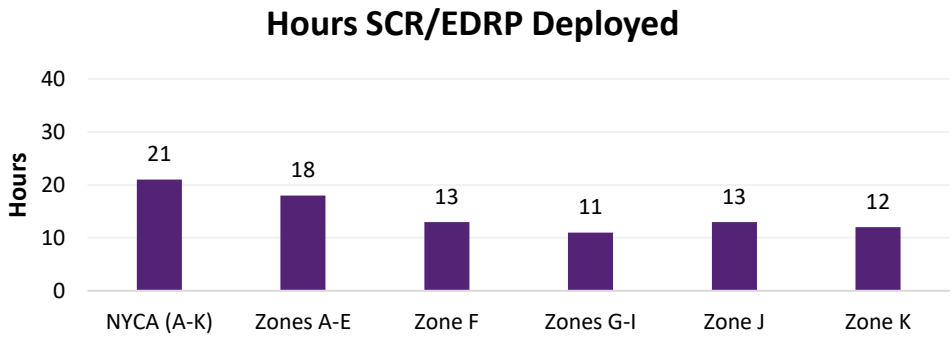
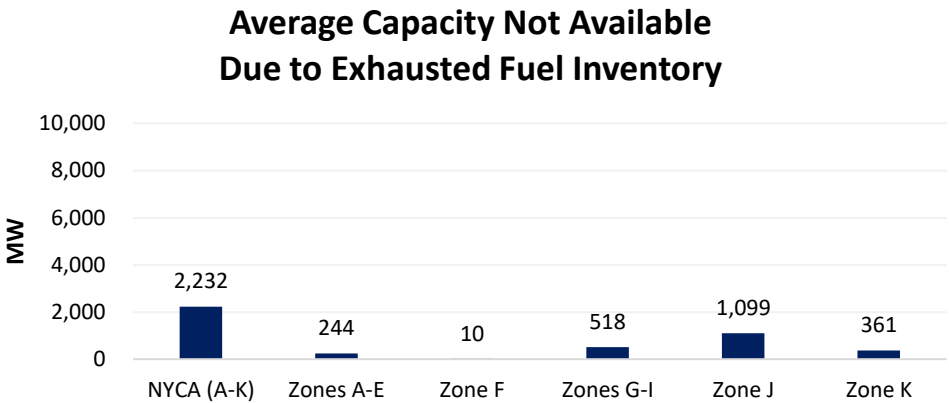
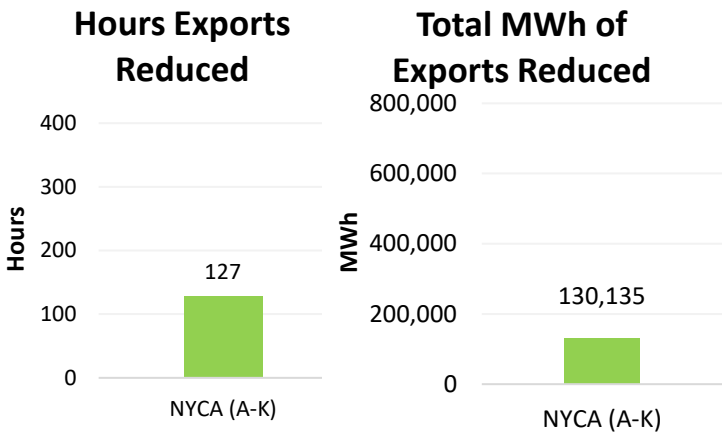
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 8     |
| Total MWh              | 4,302 |
| Avg. MW                | 10.5  |
| First Hour with Losses | 175   |

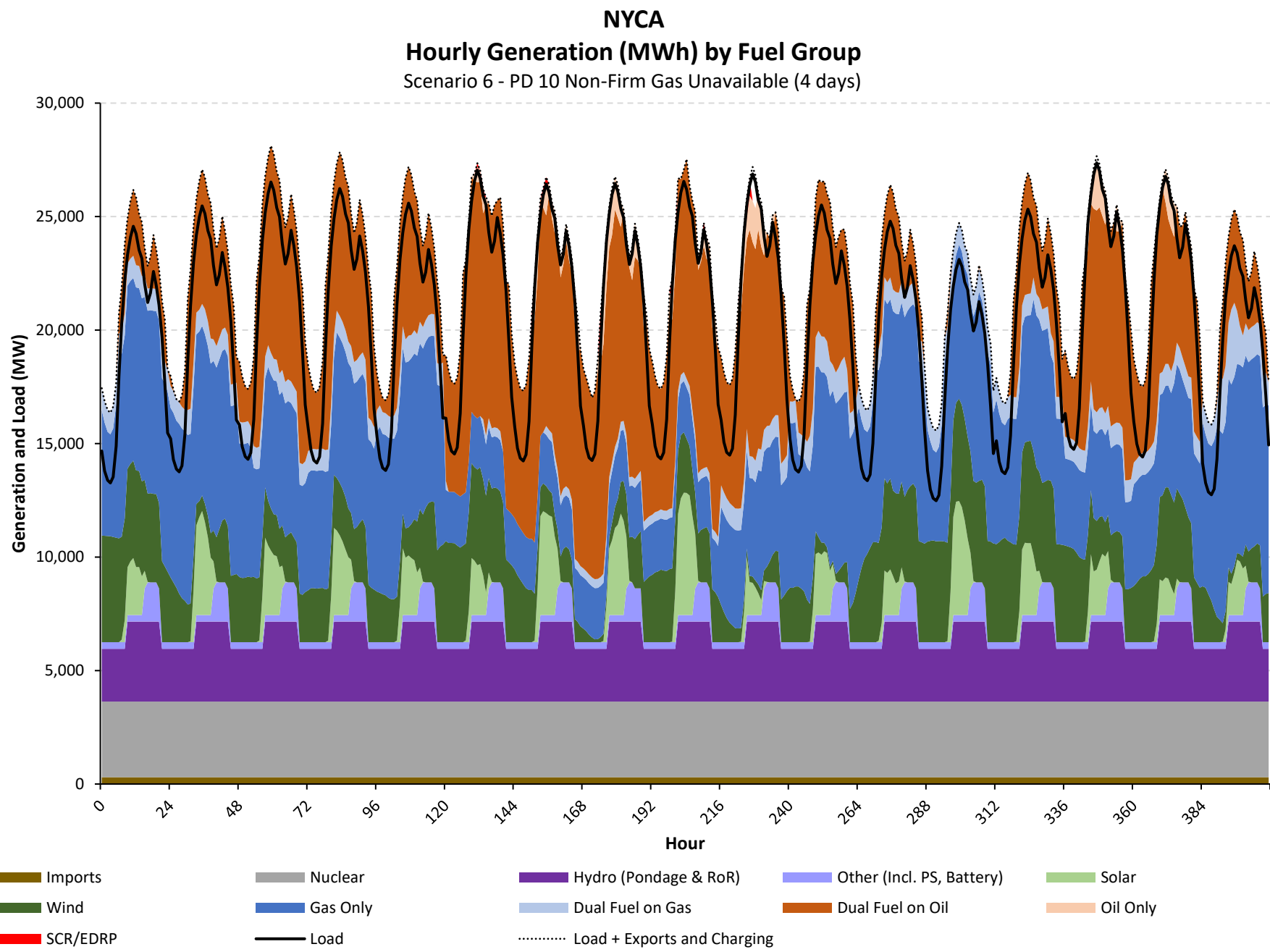


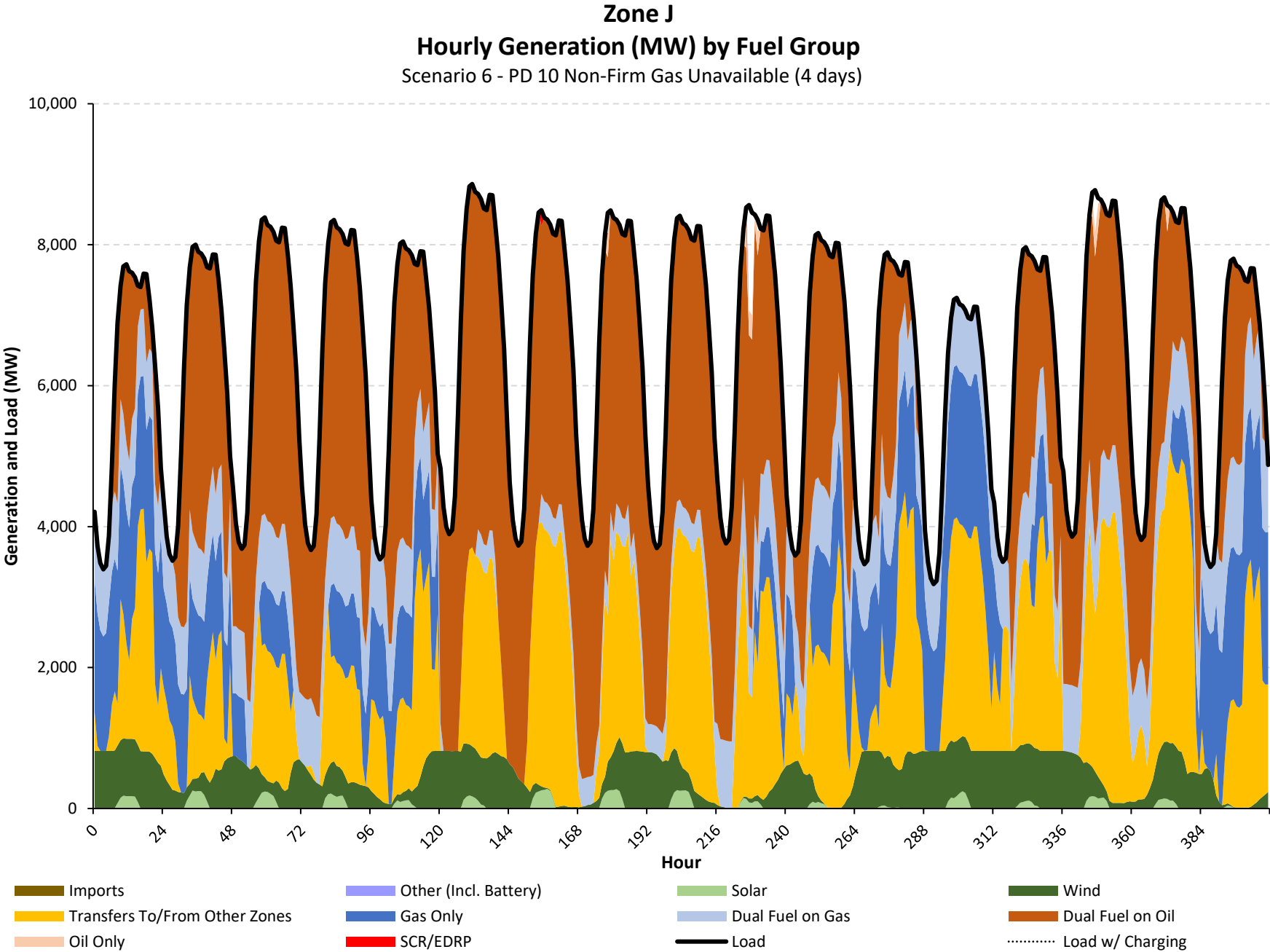
Full Period Results Summary

Case Name: Scenario 6 - PD 10 Non-Firm Gas Unavailable (4 days)

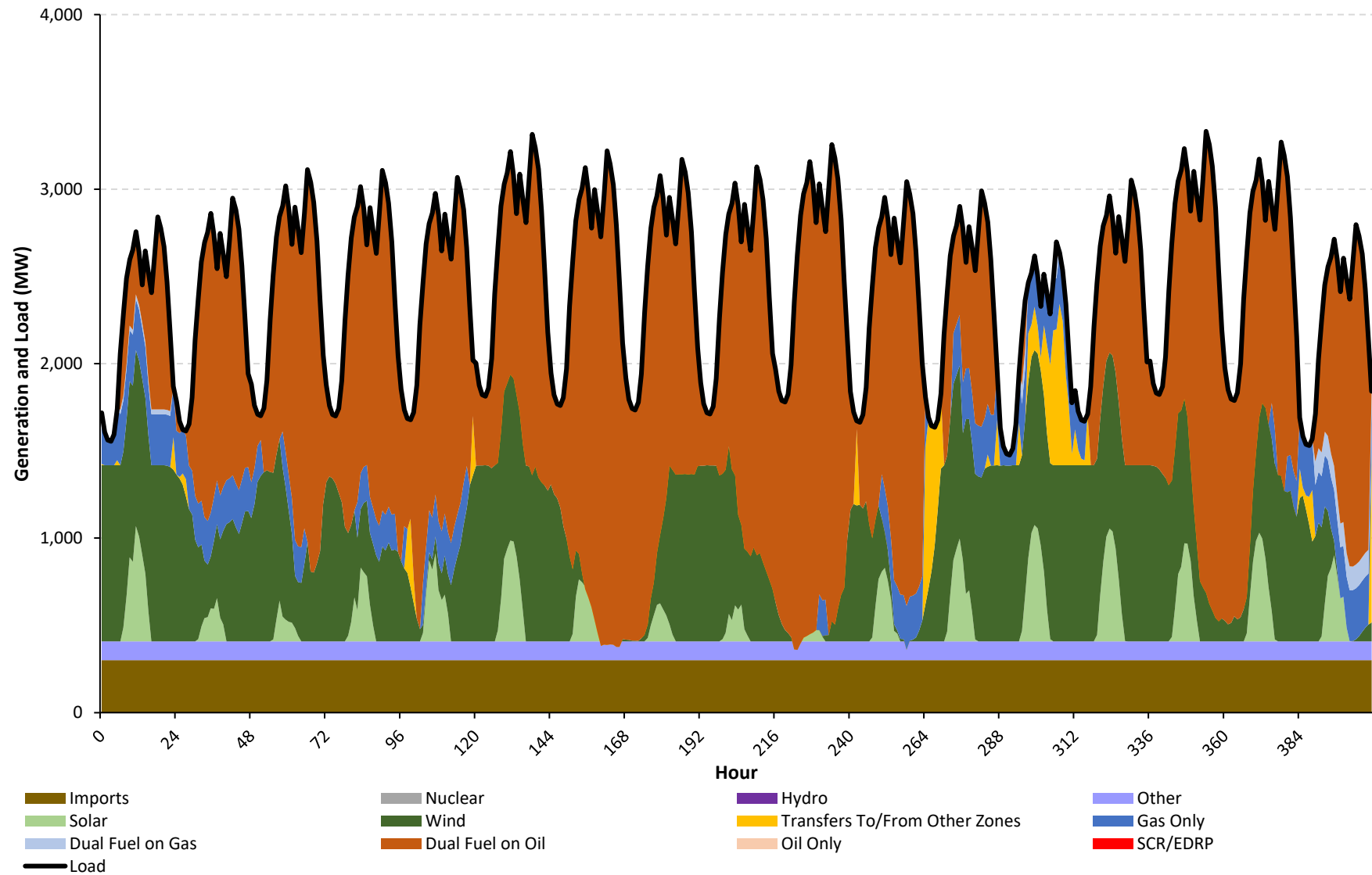
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | Off        |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Off        |
| Loss of Gas Fired Gen.   | 3-4 days   |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

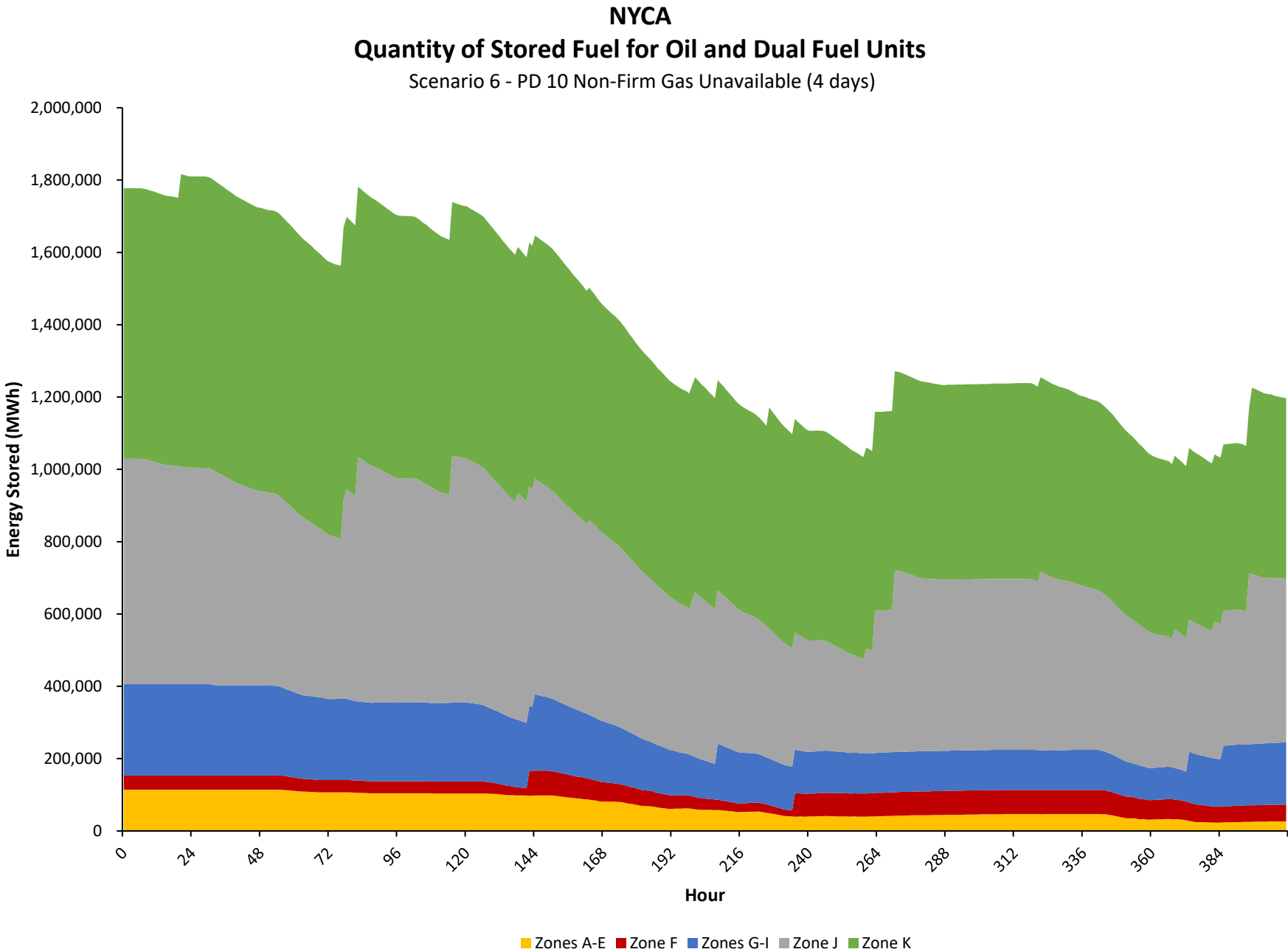


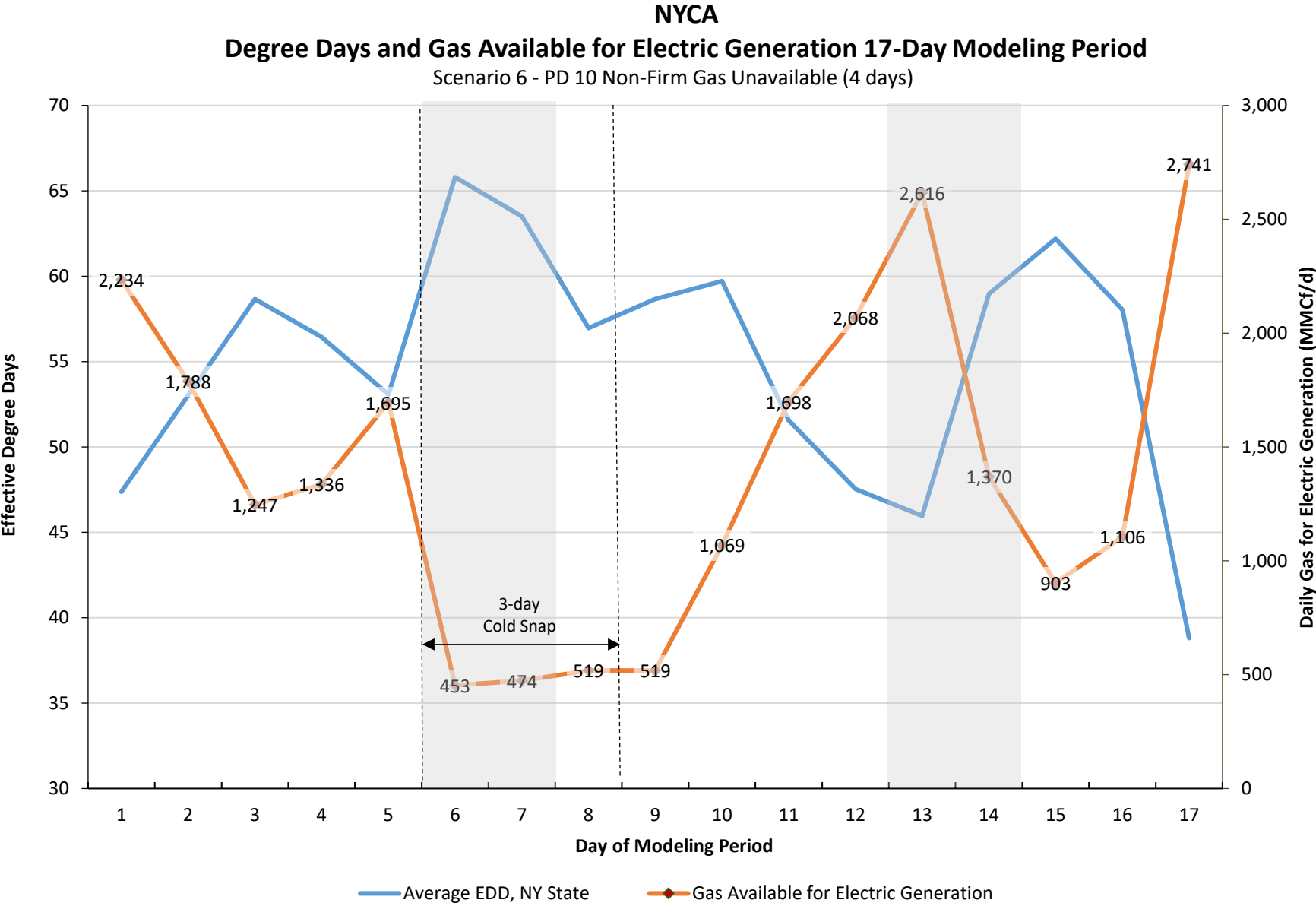




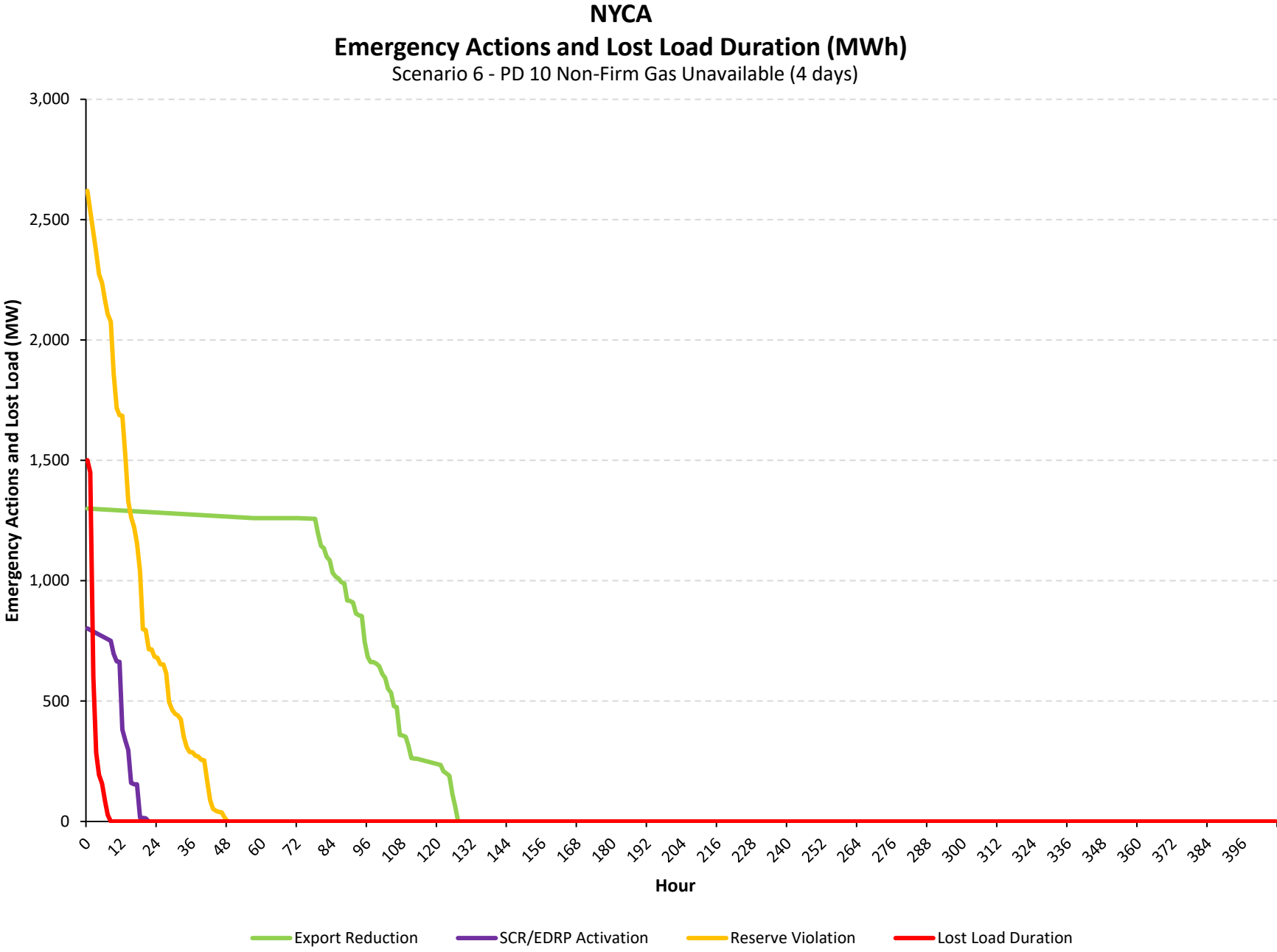
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 10 Non-Firm Gas Unavailable (4 days)

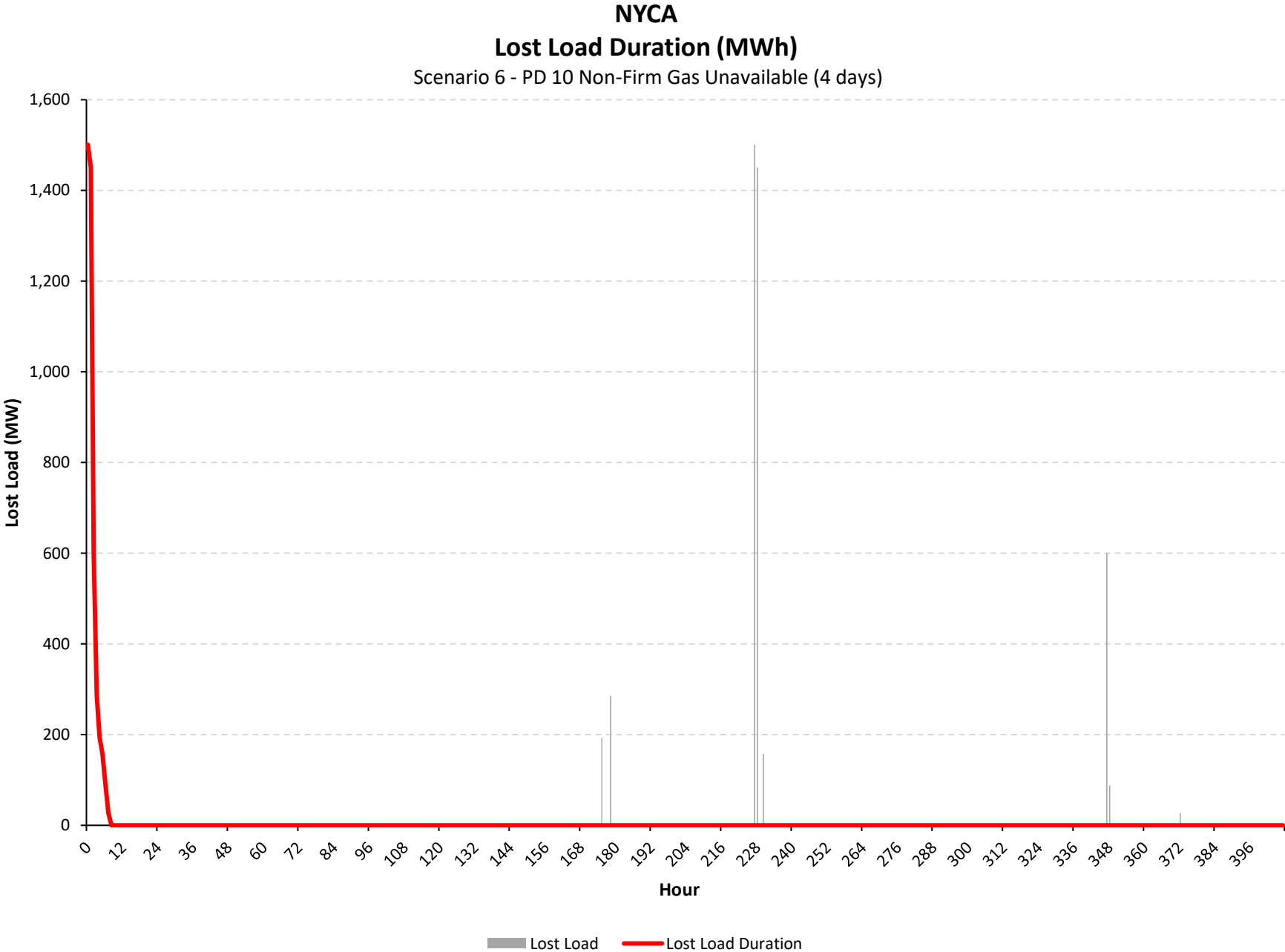






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





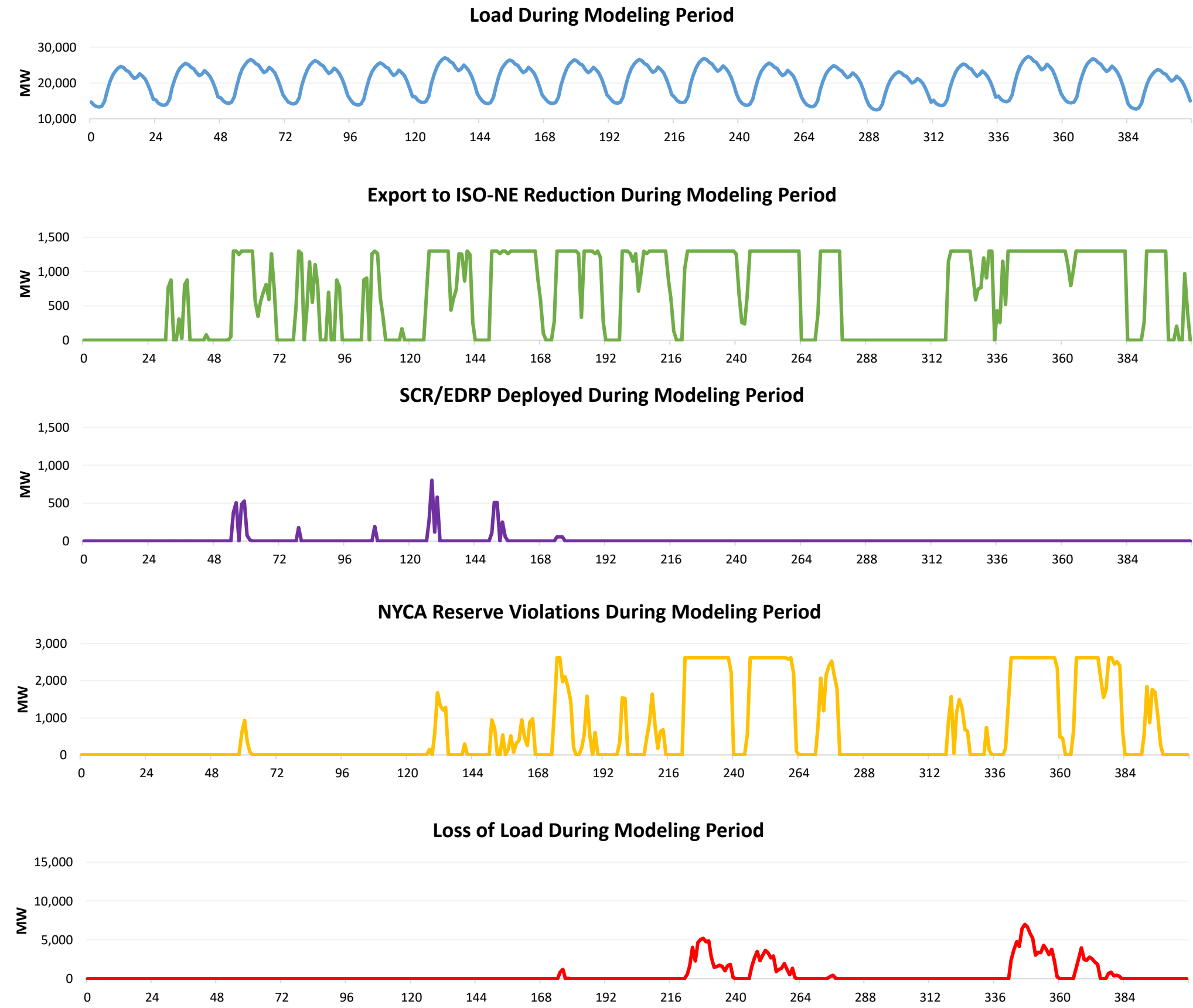


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 6 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 6 - PD 11 Combination Disruption



| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 249     |
| Total MWh         | 275,770 |
| Avg. MW           | 675.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 20    |
| Total MWh      | 5,719 |
| Avg. MW        | 14.0  |

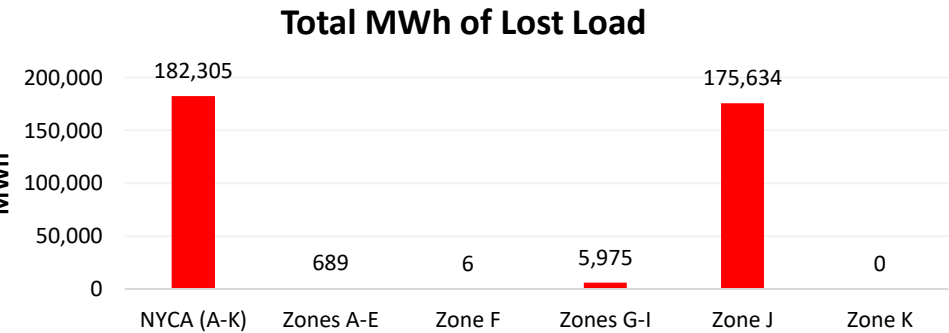
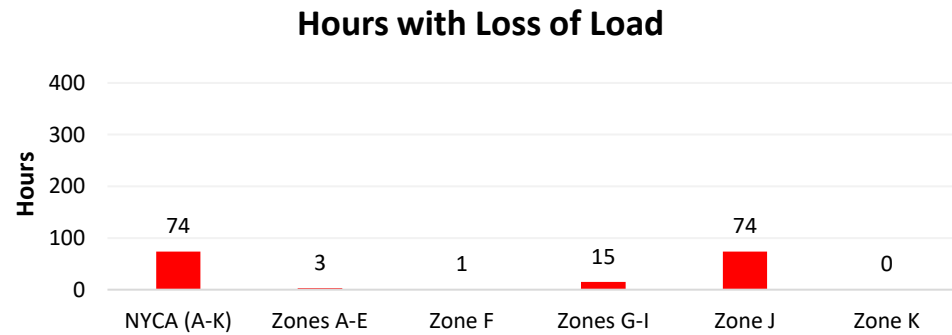
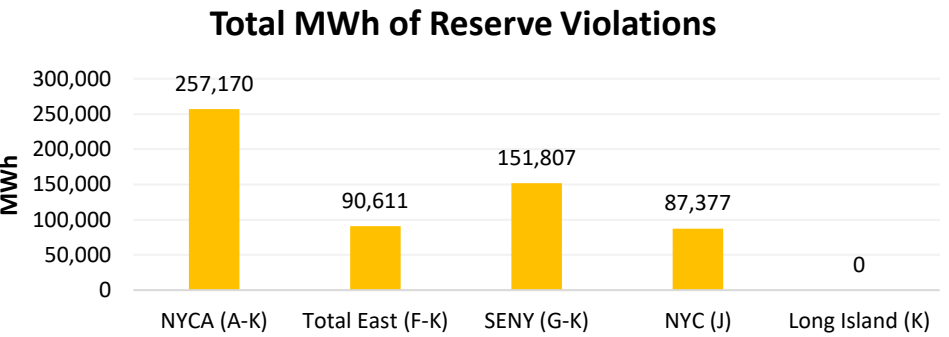
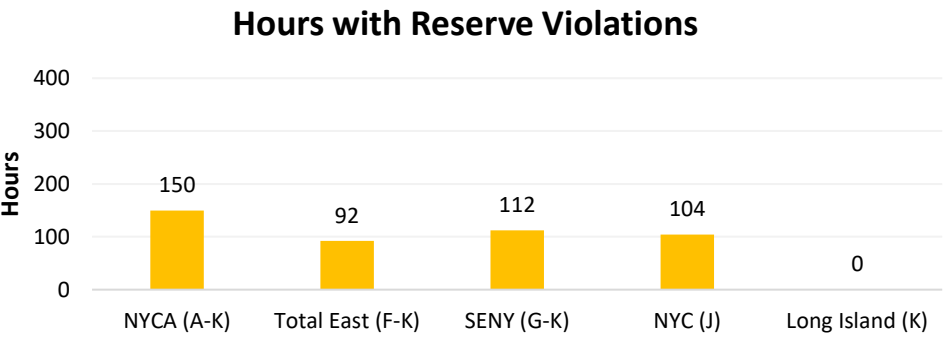
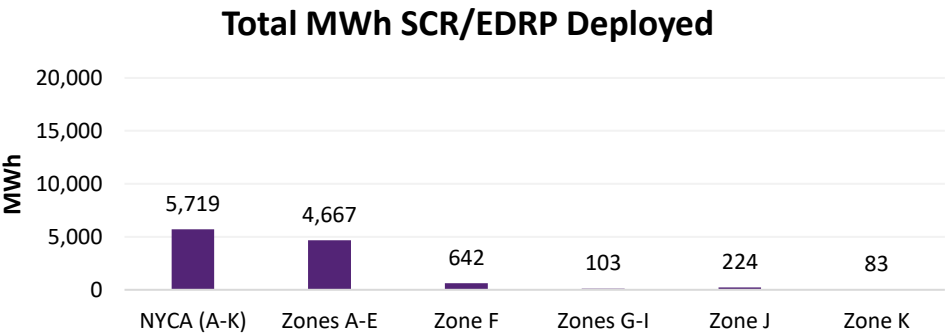
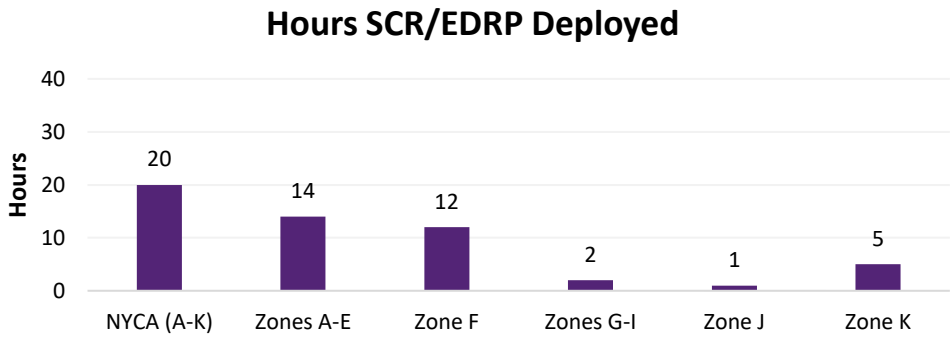
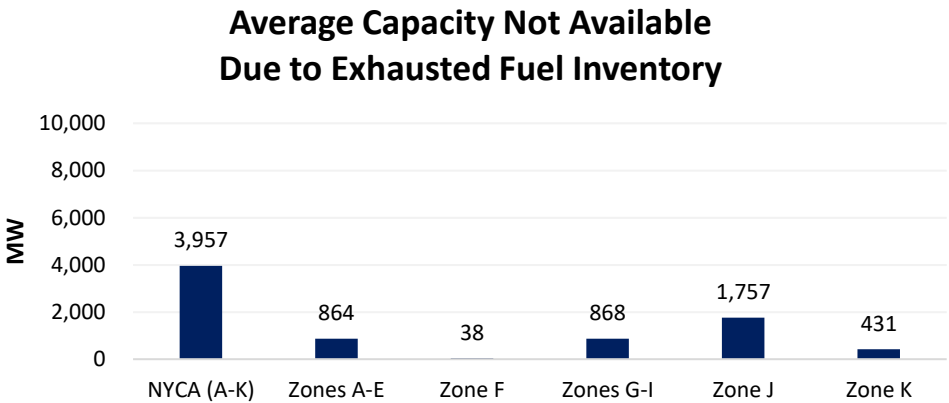
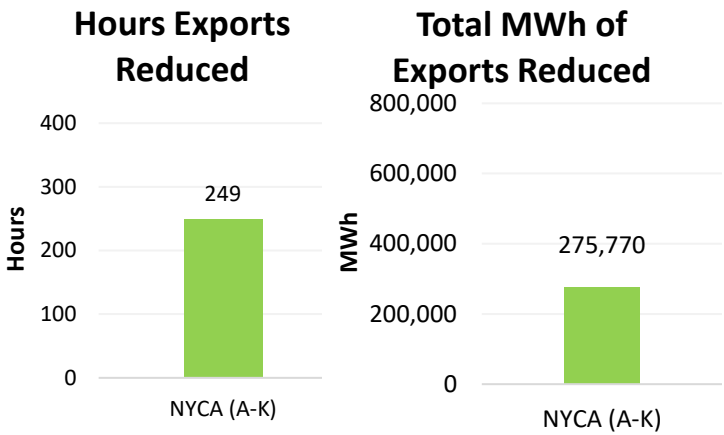
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 150     |
| Total MWh             | 257,170 |
| Avg. MW               | 630.3   |
| First Hour with Viol. | 59      |

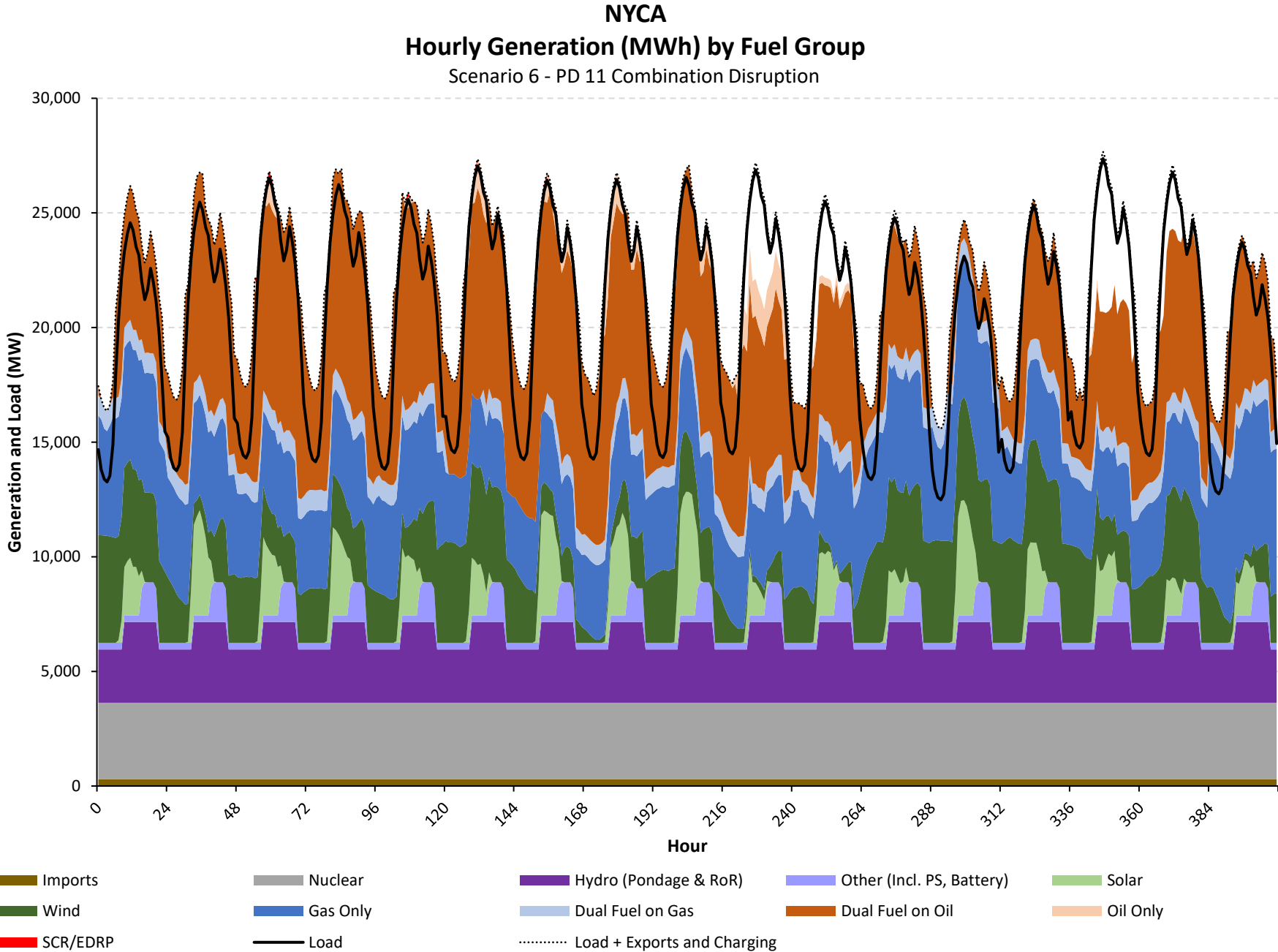
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 74      |
| Total MWh              | 182,305 |
| Avg. MW                | 446.8   |
| First Hour with Losses | 175     |

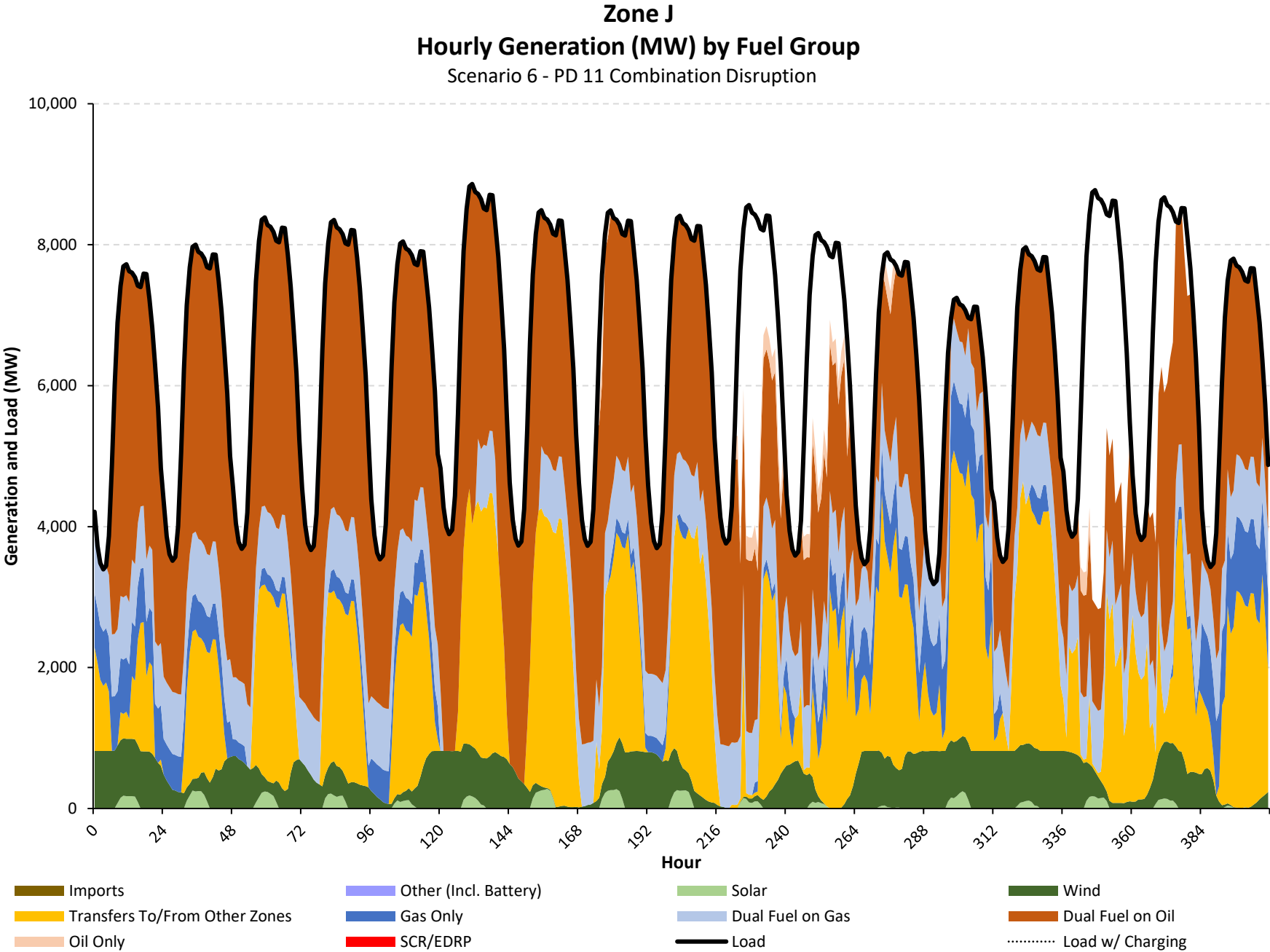
Full Period Results Summary

Case Name: Scenario 6 - PD 11 Combination Disruption

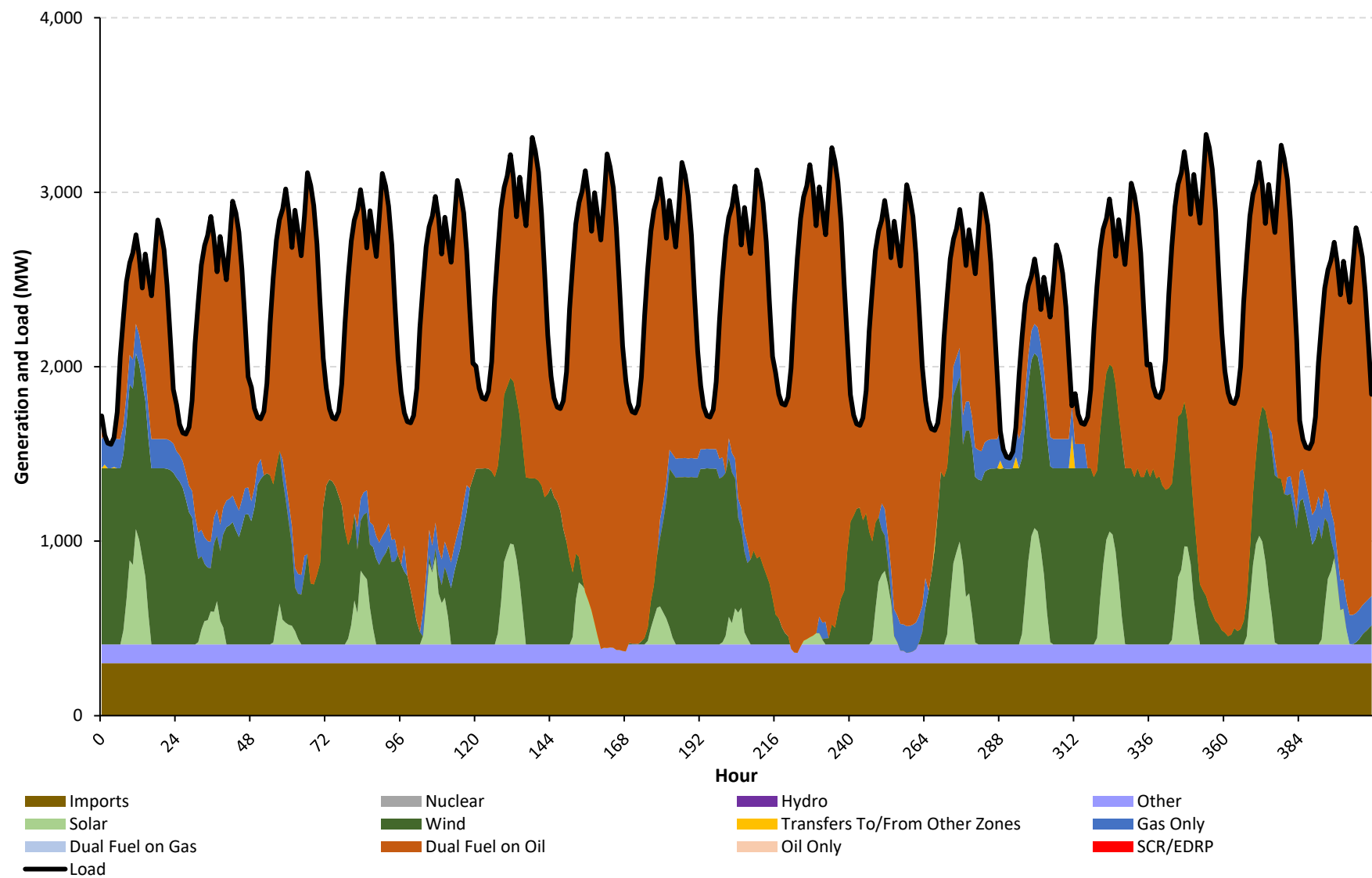
| Case Summary             |            |
|--------------------------|------------|
| Derate (EFORd) Increase: | High       |
| Starting Storage:        | Historical |
| Renewables:              | Delayed    |
| Refill Contingency:      | Reduced    |
| Loss of Gas Fired Gen.   | Reduced    |
| Nuclear Contingency:     | Off        |
| Plant Outage:            | None       |
| Import Scenario:         | Net Zero   |

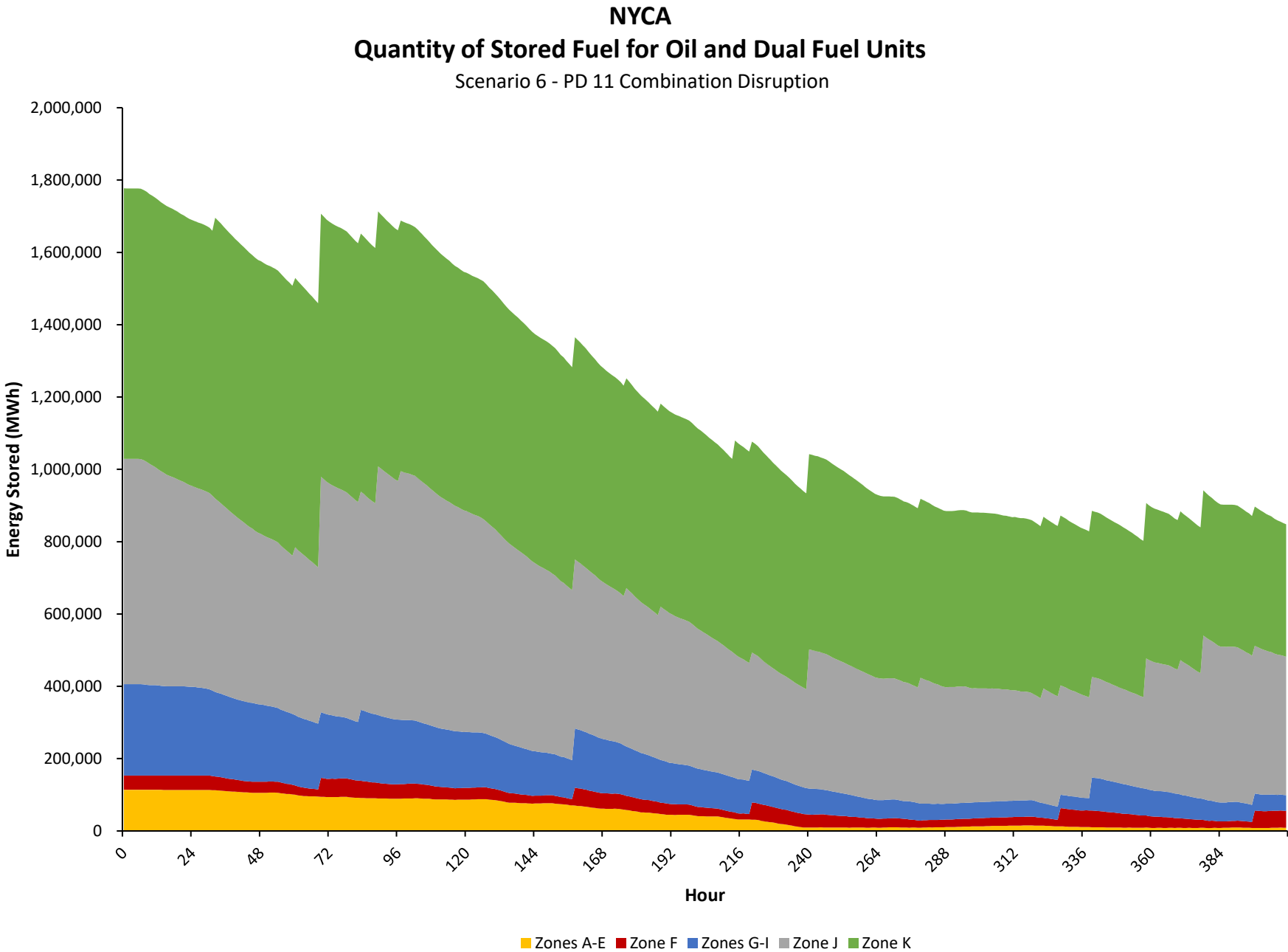


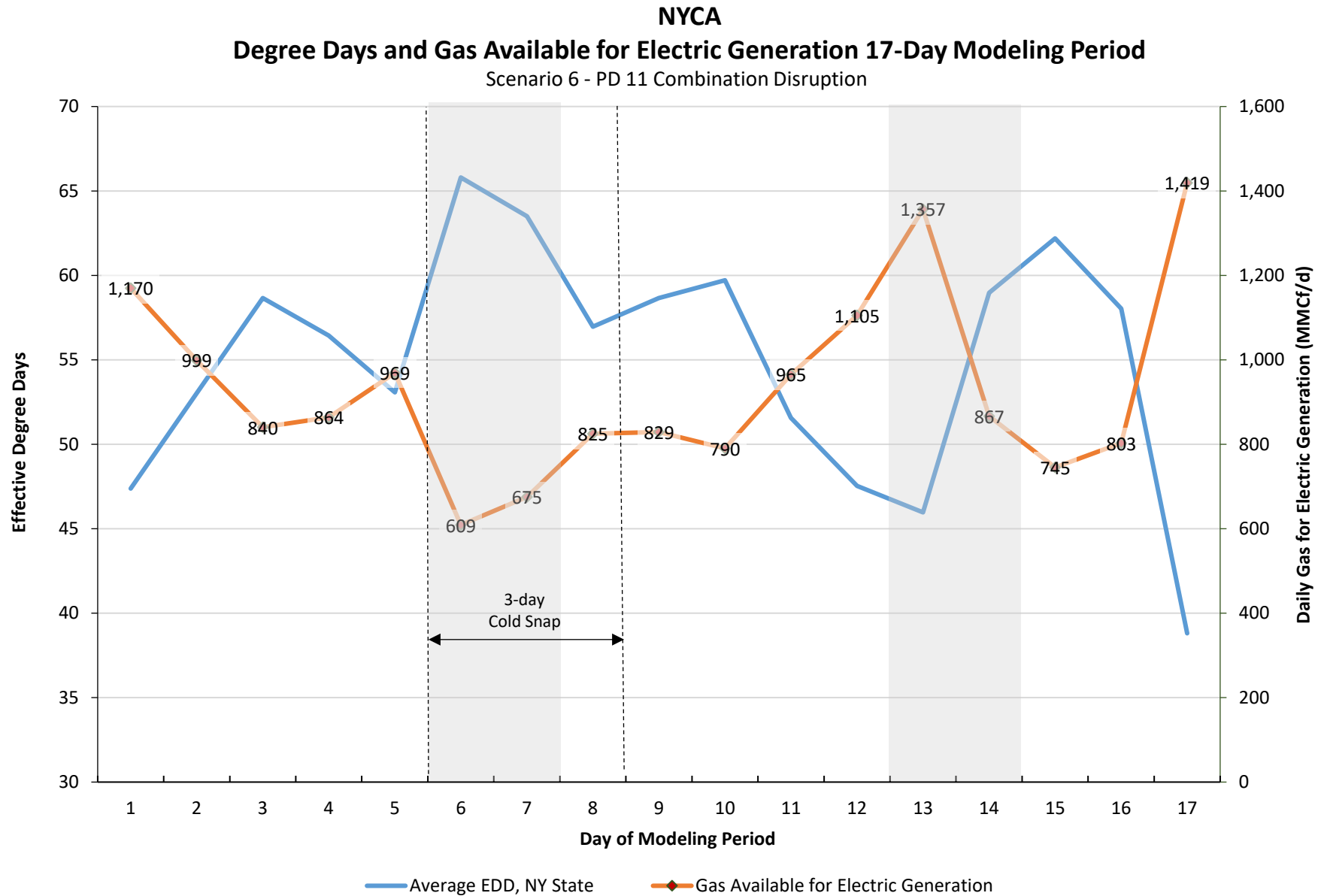




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 6 - PD 11 Combination Disruption





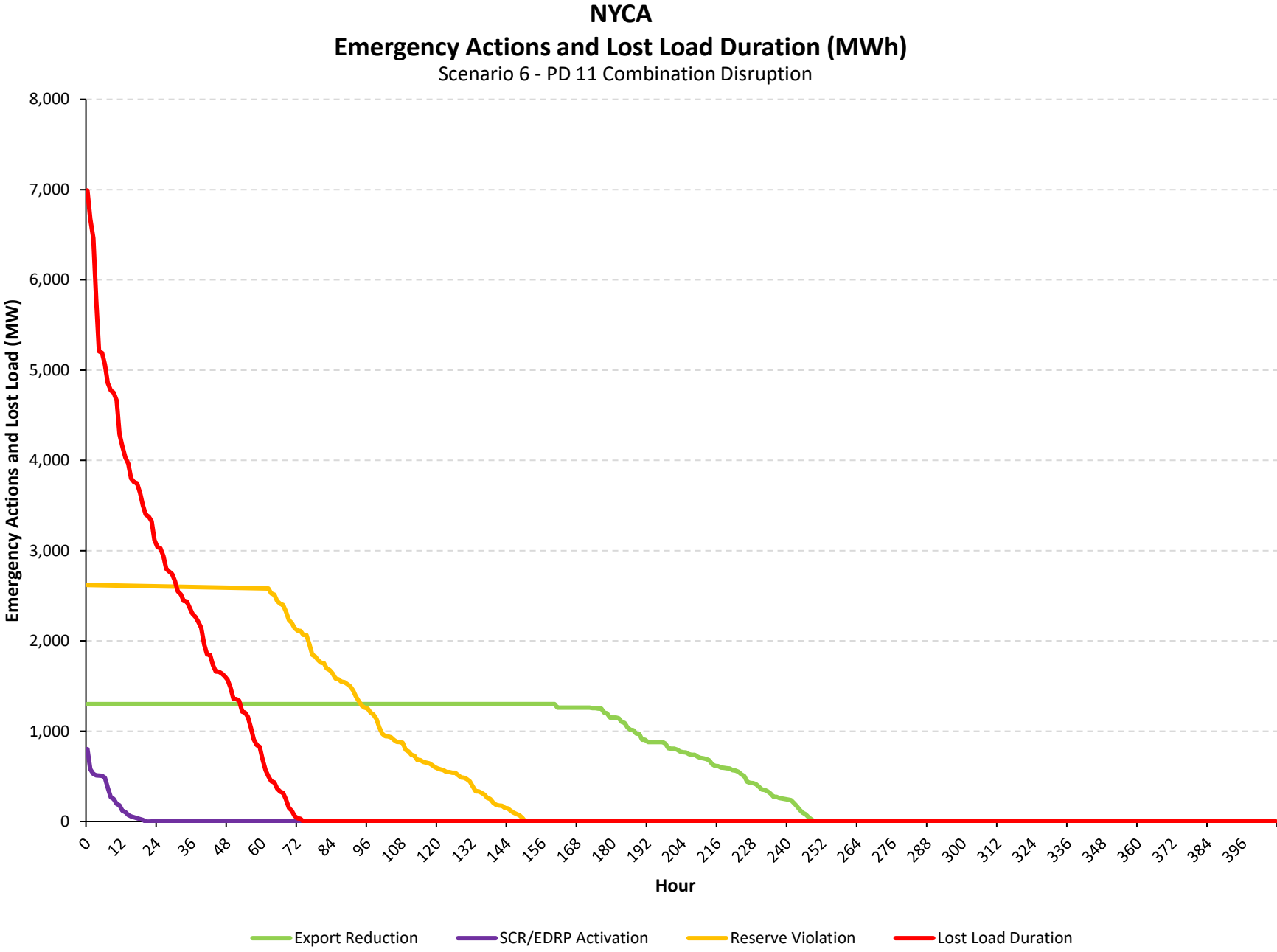


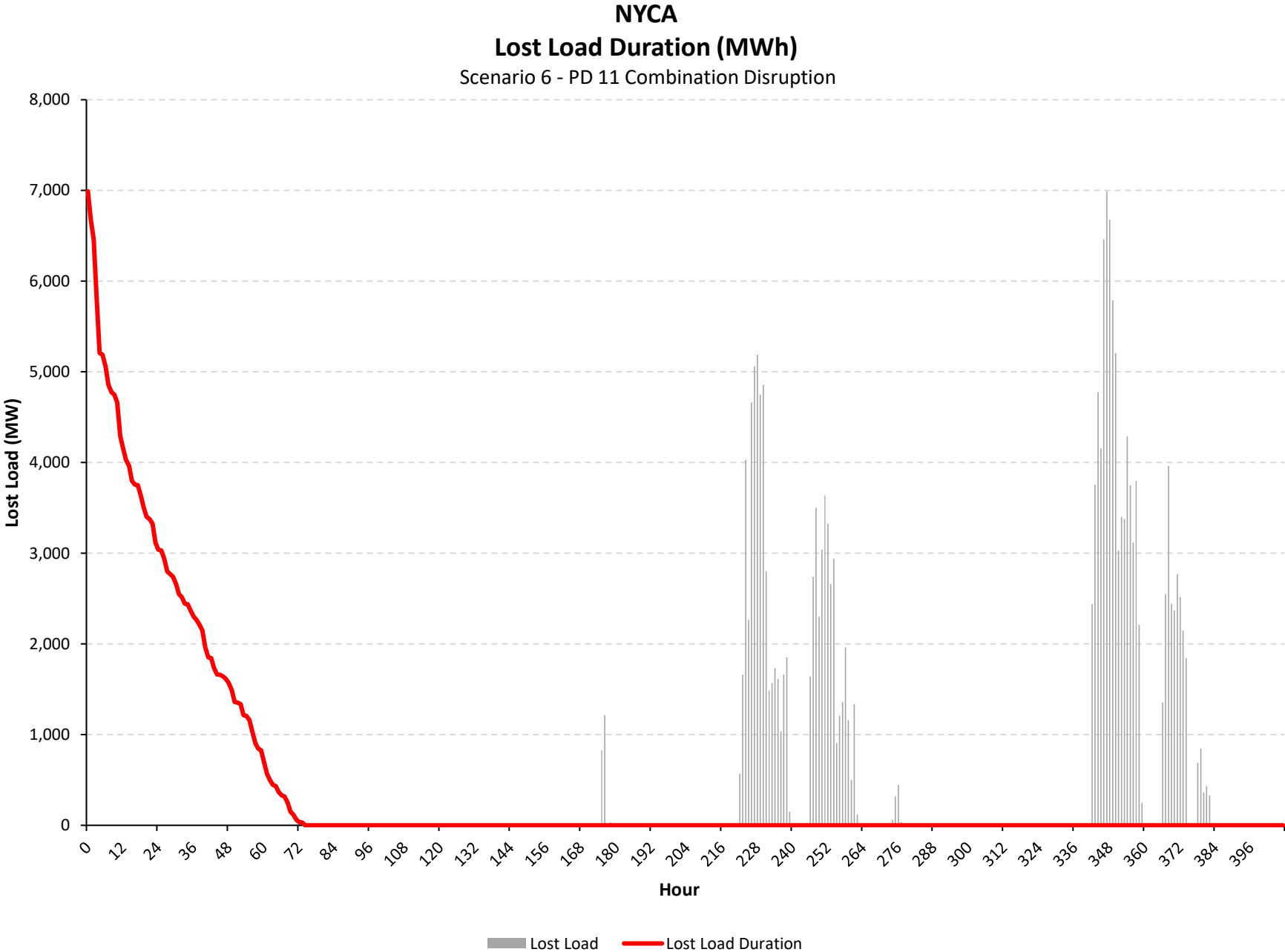
**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.





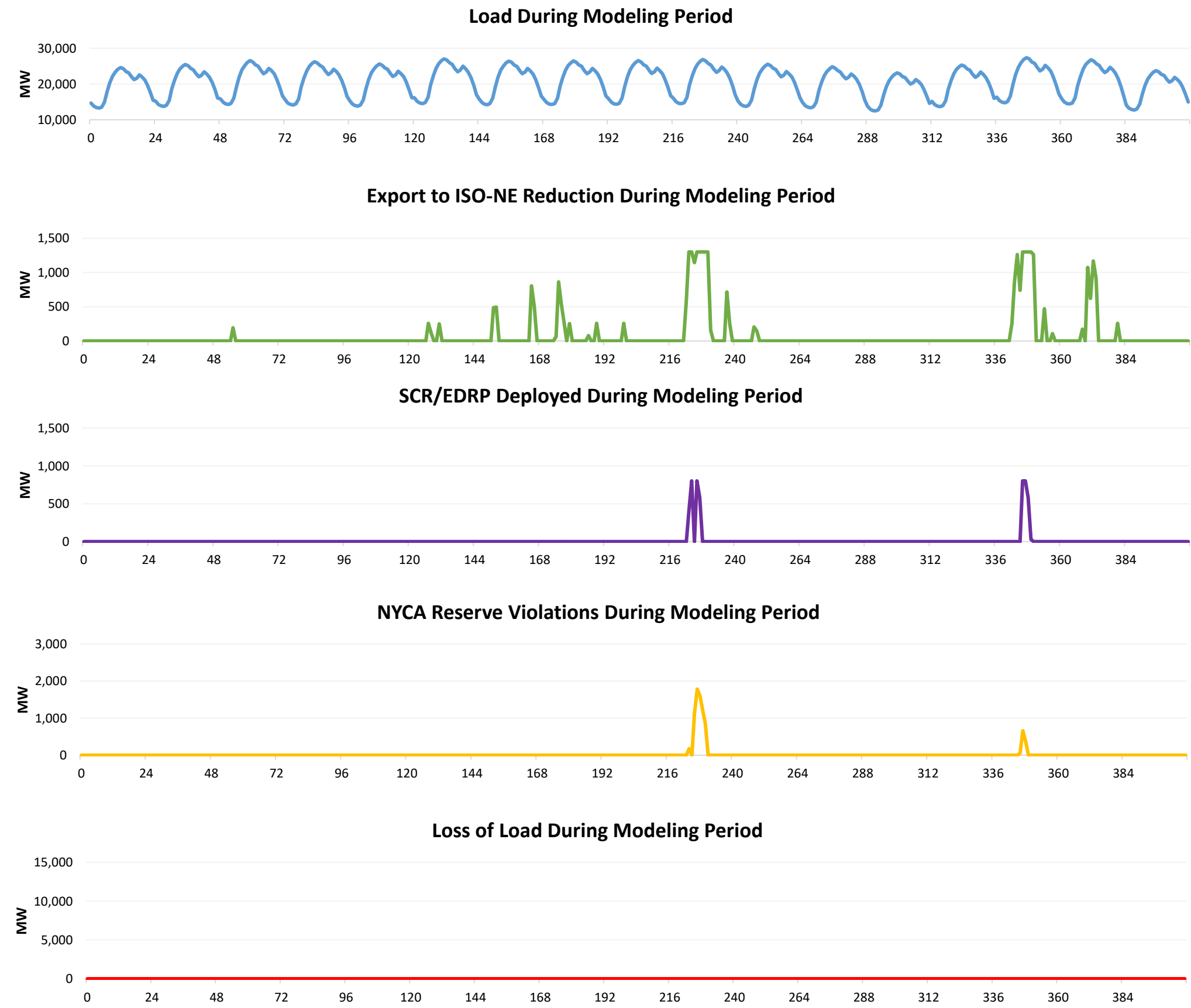


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 1 No Disruptions



| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORD) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 47     |
| Total MWh         | 32,356 |
| Avg. MW           | 79.3   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 8     |
| Total MWh      | 4,791 |
| Avg. MW        | 11.7  |

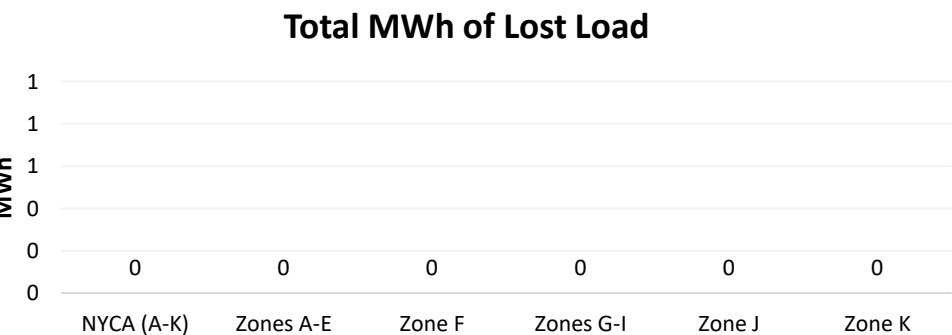
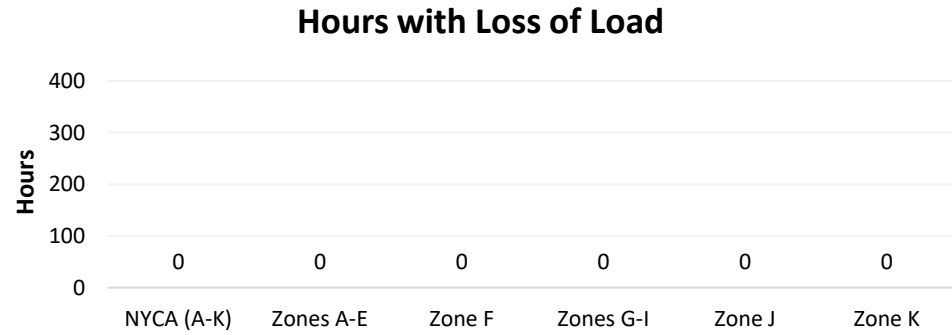
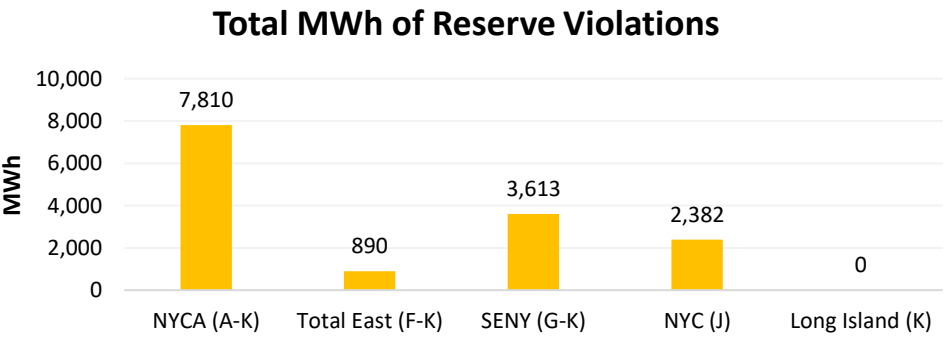
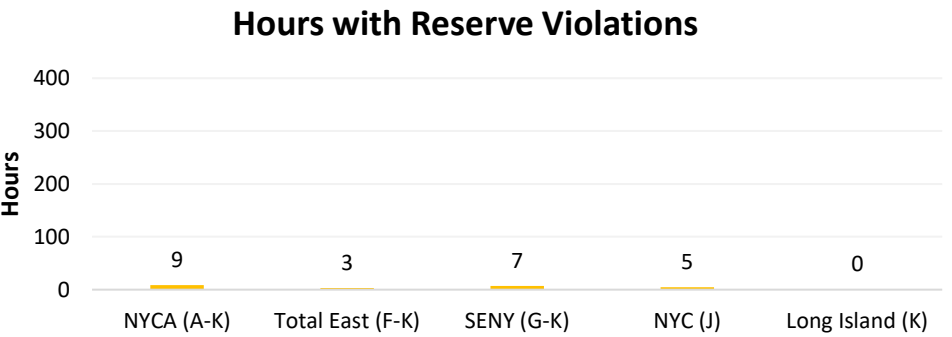
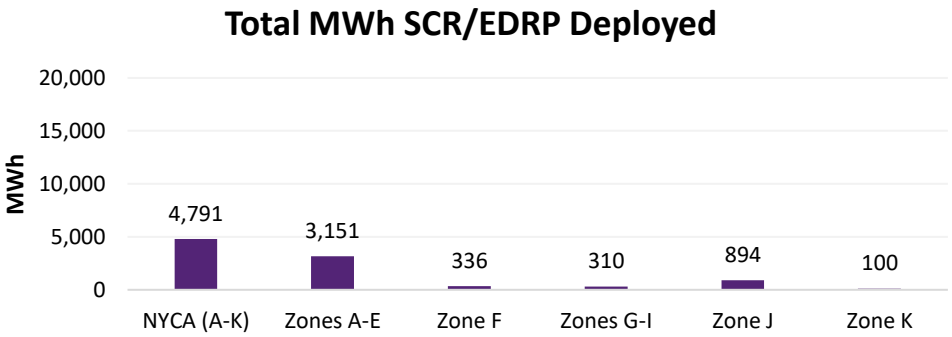
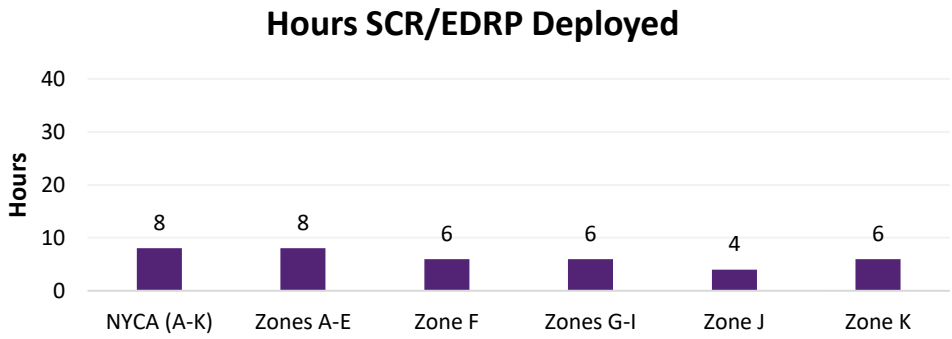
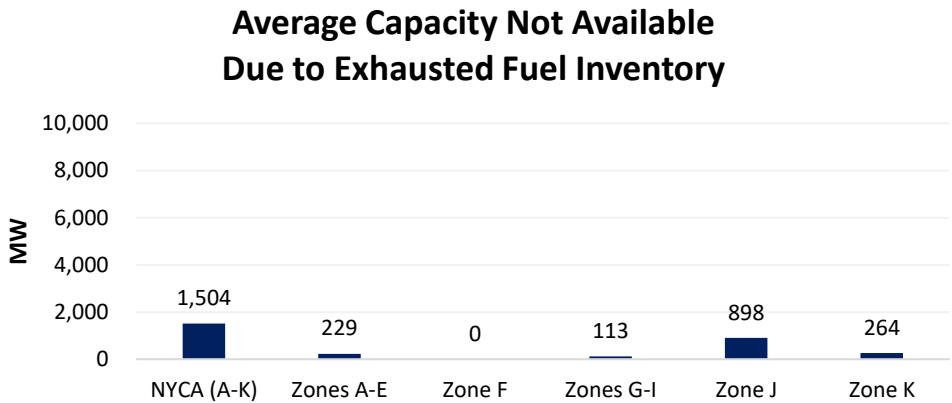
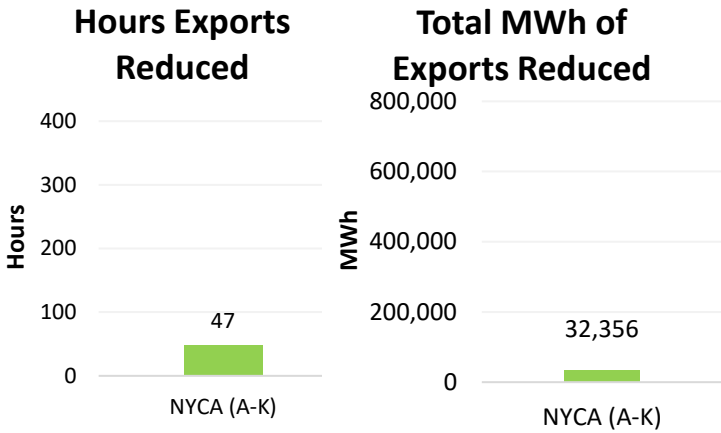
| Reserve Violations    |       |
|-----------------------|-------|
| Total Hrs.            | 9     |
| Total MWh             | 7,810 |
| Avg. MW               | 19.1  |
| First Hour with Viol. | 224   |

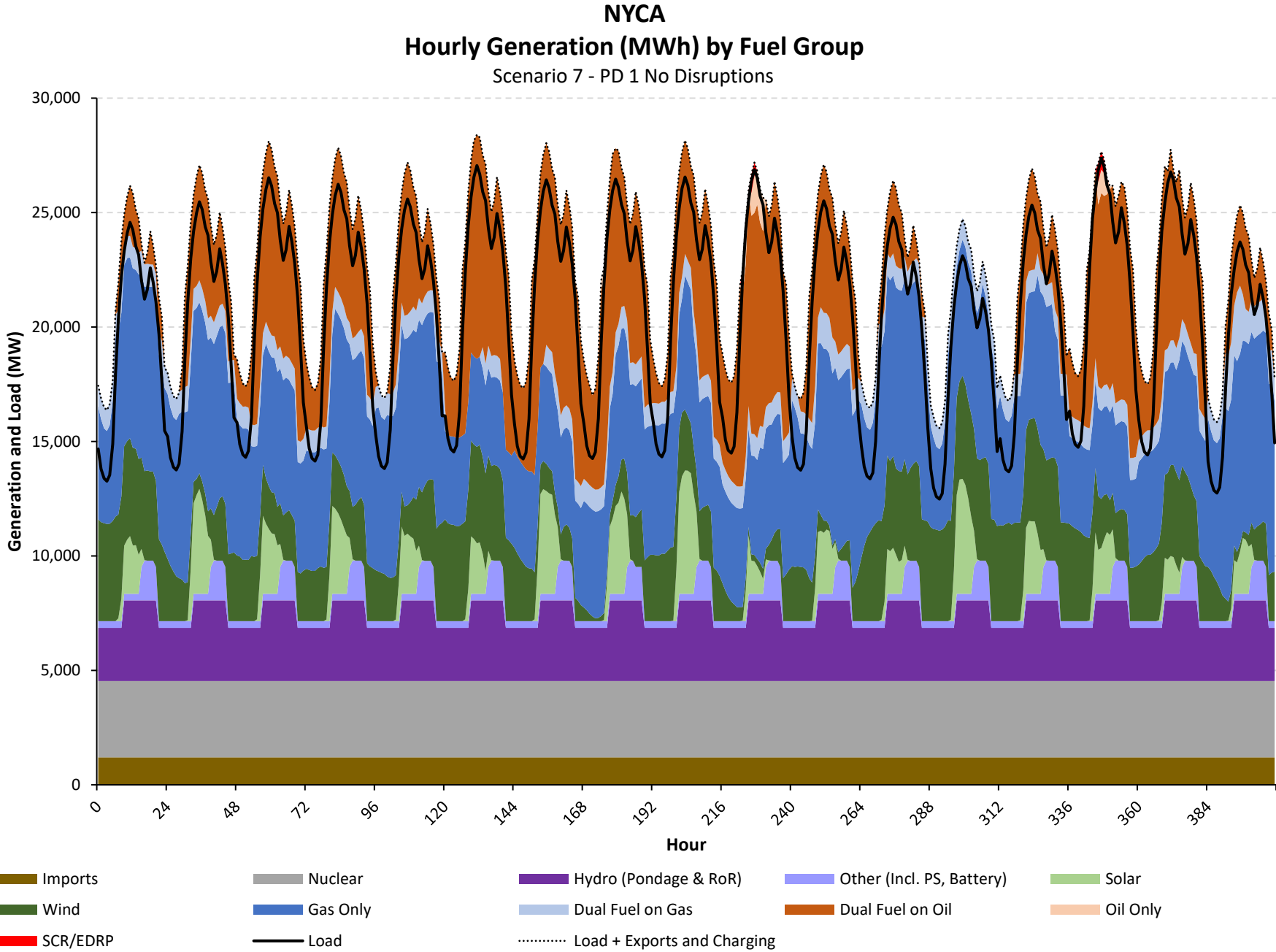
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 0   |
| Total MWh              | 0   |
| Avg. MW                | 0.0 |
| First Hour with Losses |     |

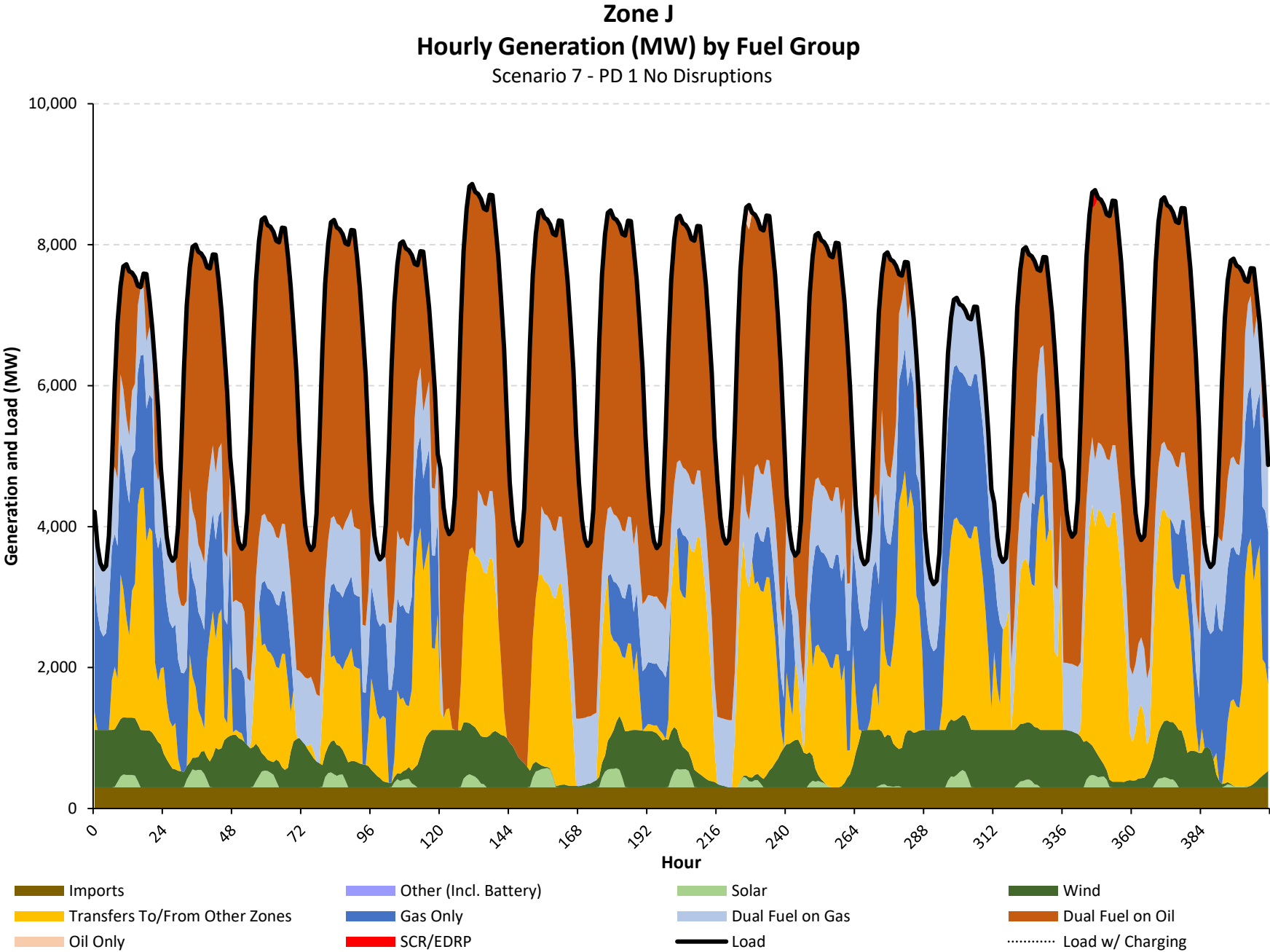
Full Period Results Summary

Case Name: Scenario 7 - PD 1 No Disruptions

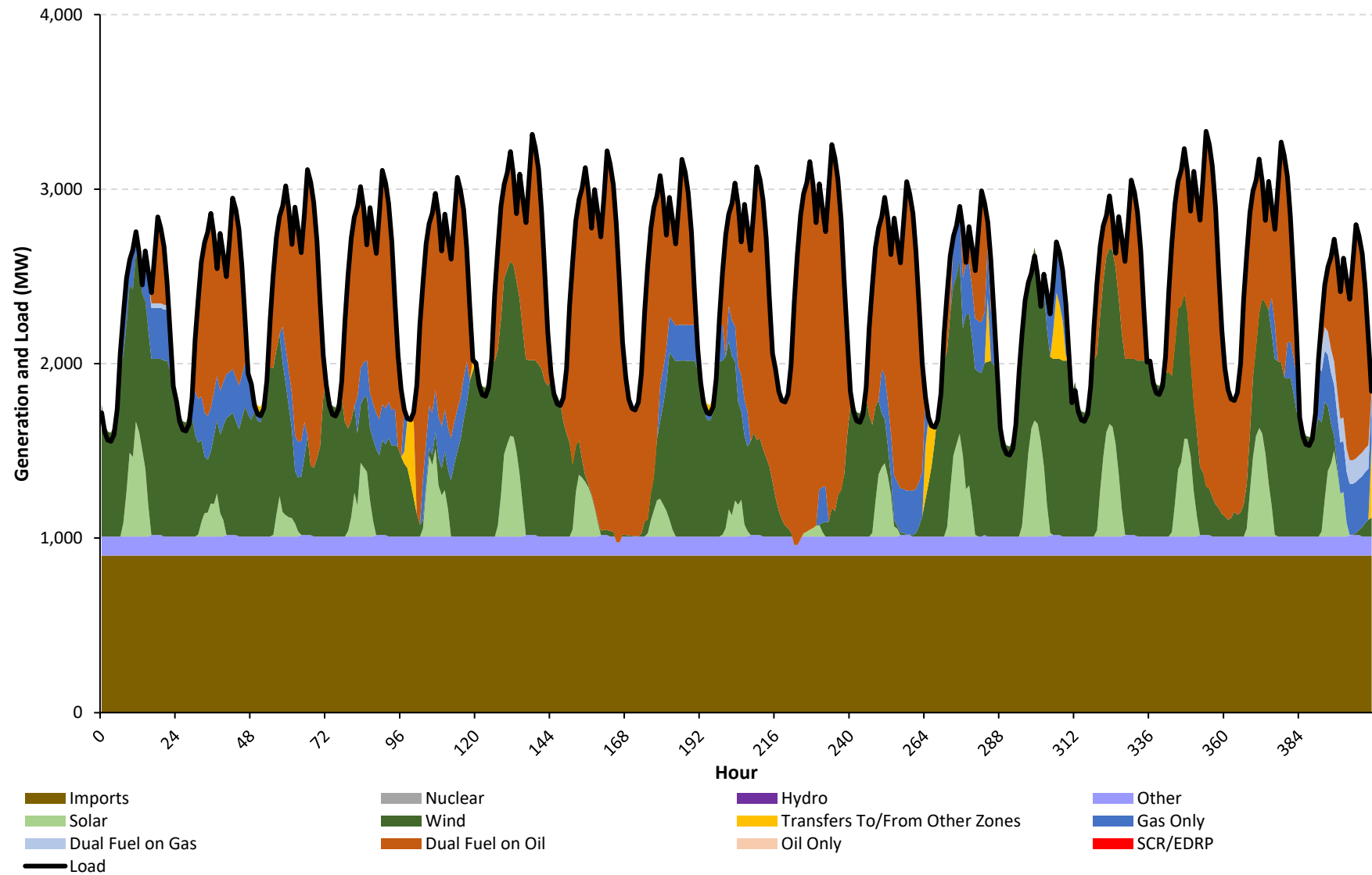
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |





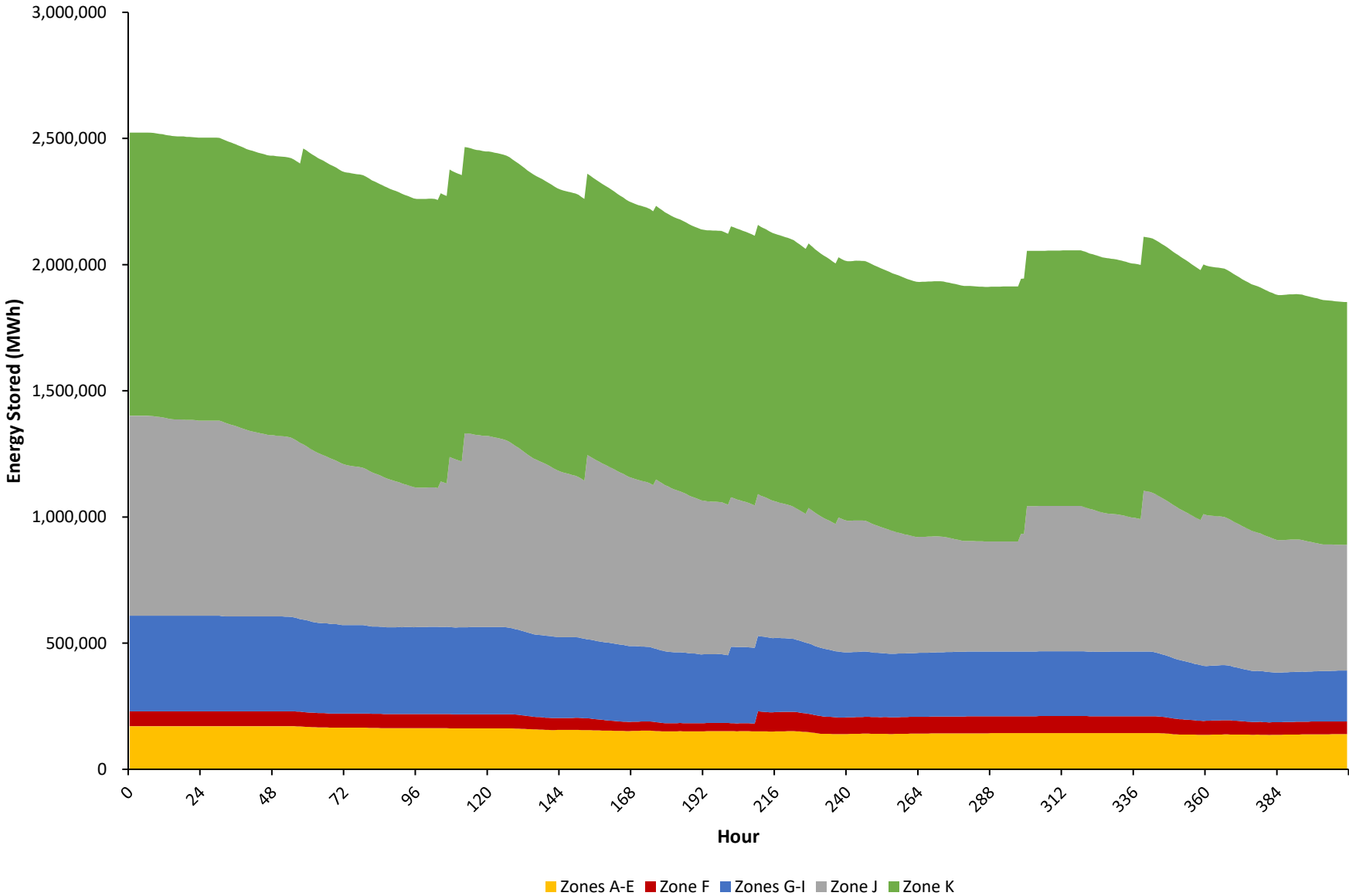


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 1 No Disruptions



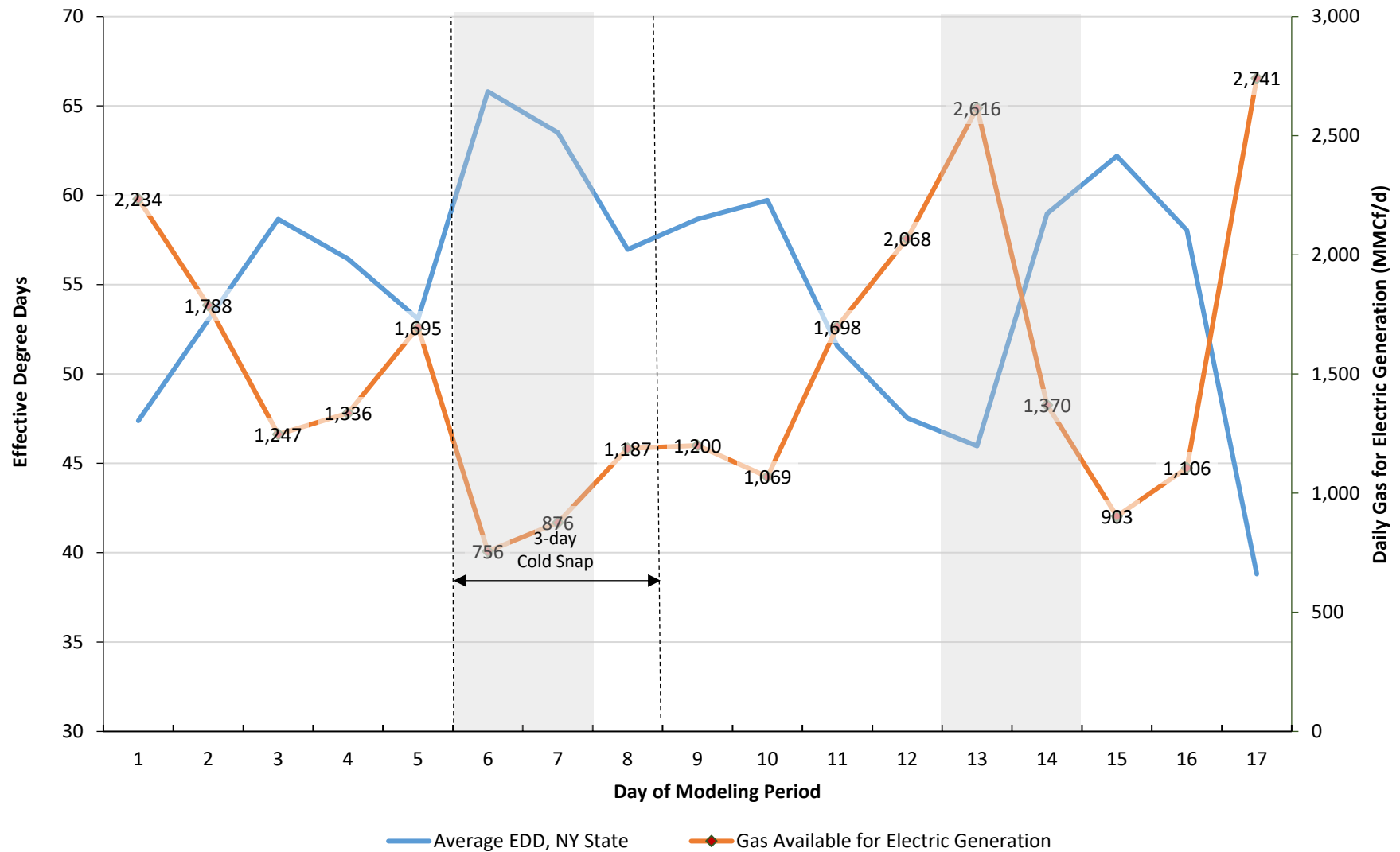


**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 7 - PD 1 No Disruptions



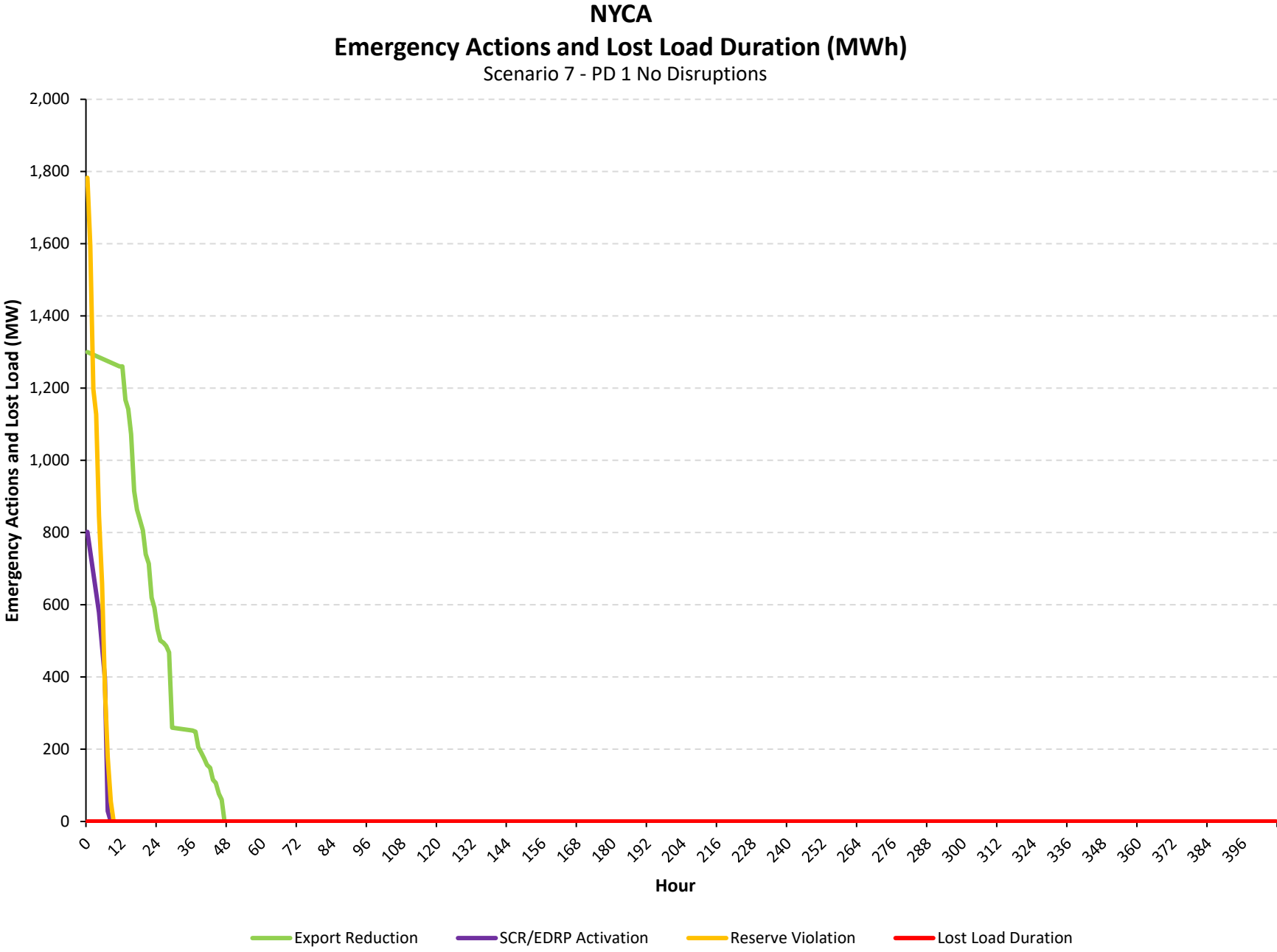
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

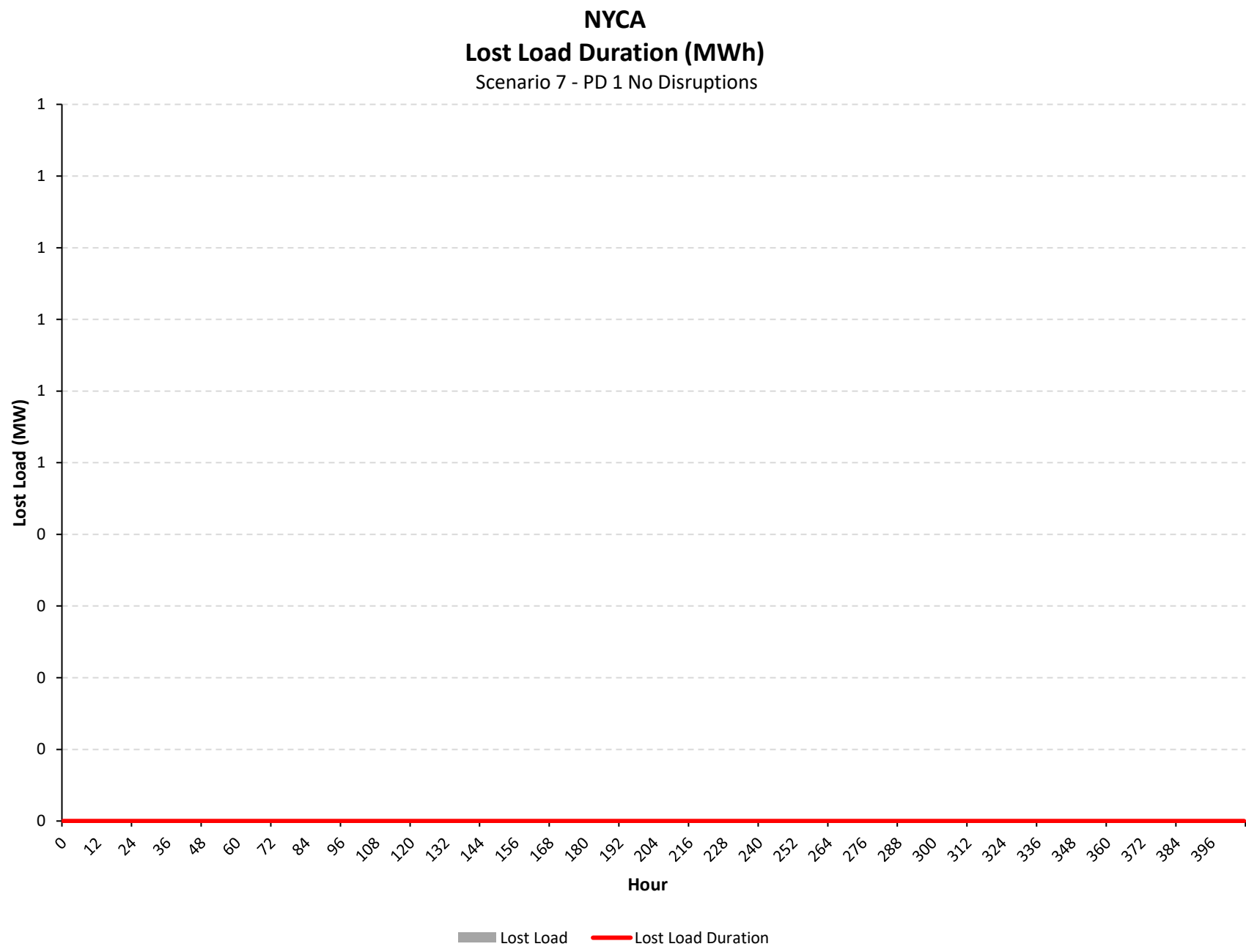
Scenario 7 - PD 1 No Disruptions



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



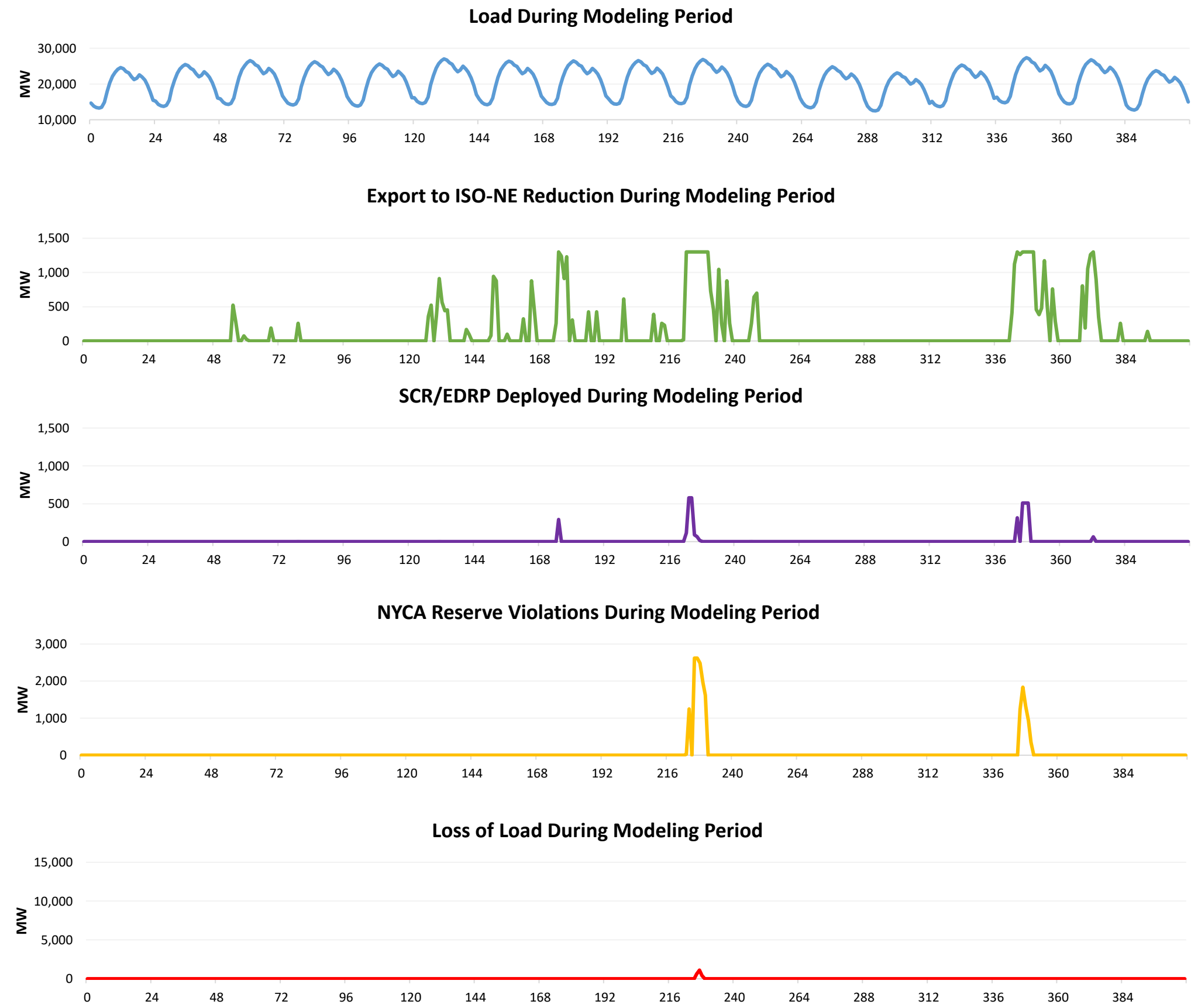


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 2 High Outage



| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | High    |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 79     |
| Total MWh         | 54,341 |
| Avg. MW           | 133.2  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 3,646 |
| Avg. MW        | 8.9   |

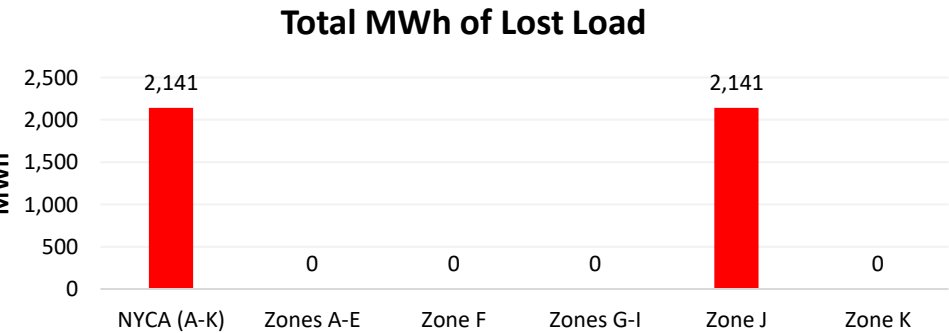
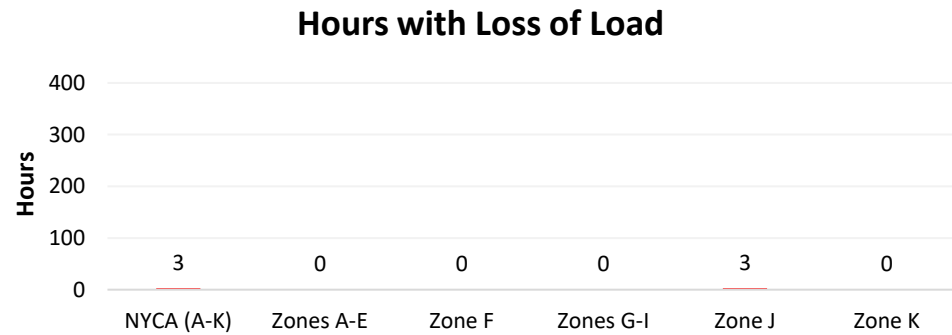
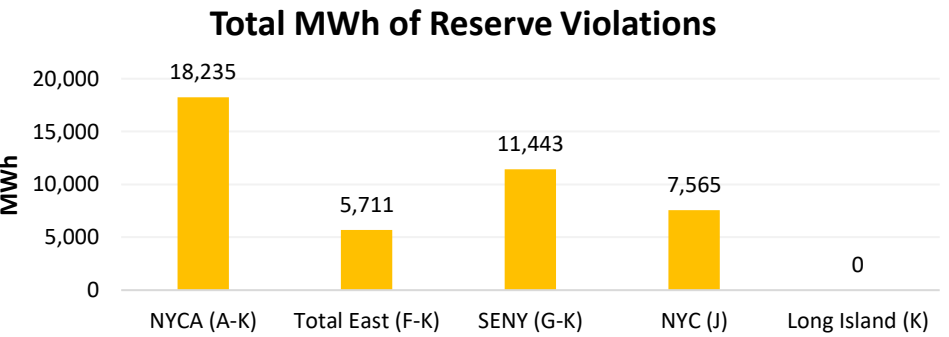
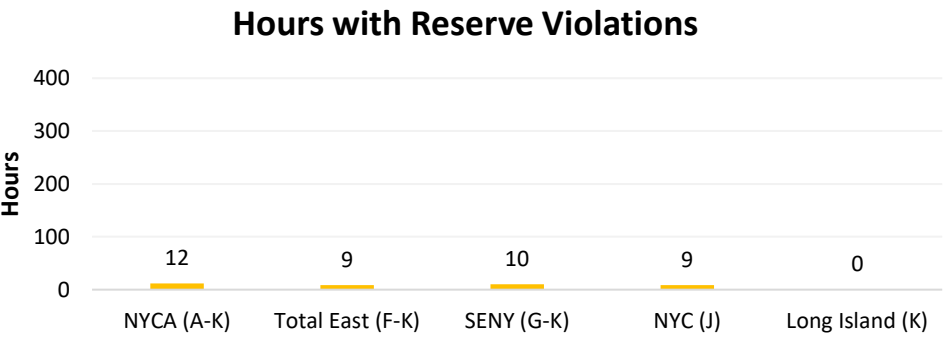
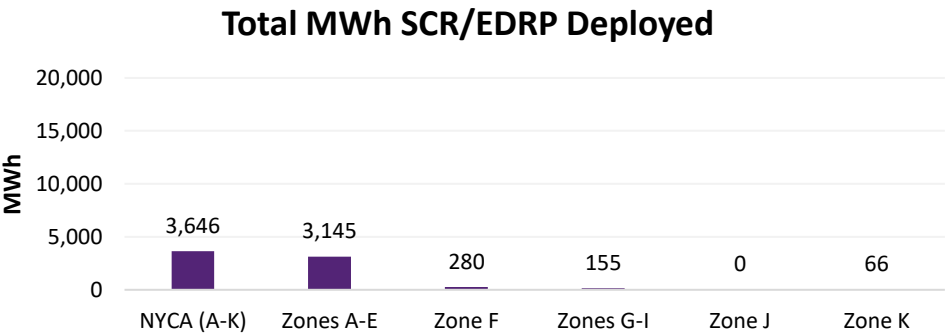
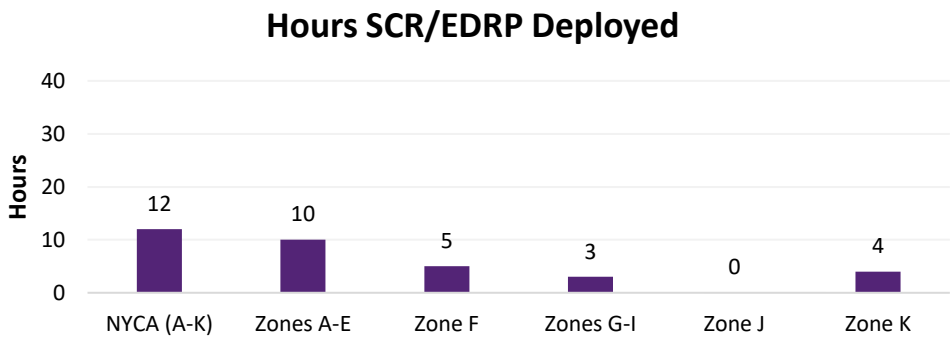
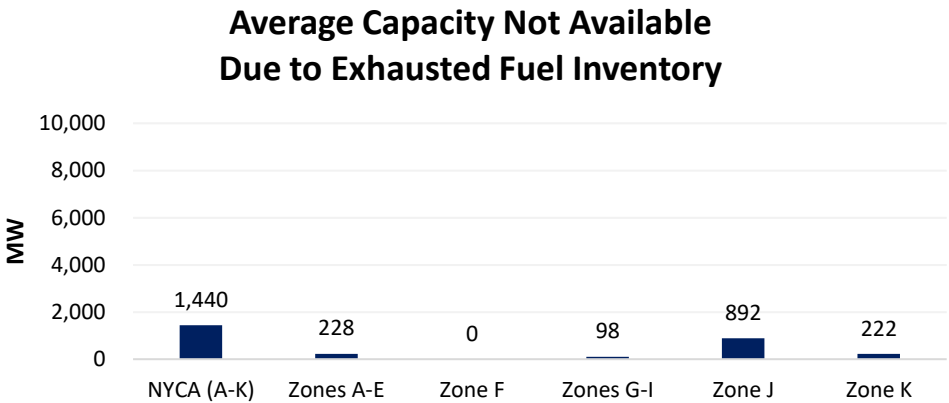
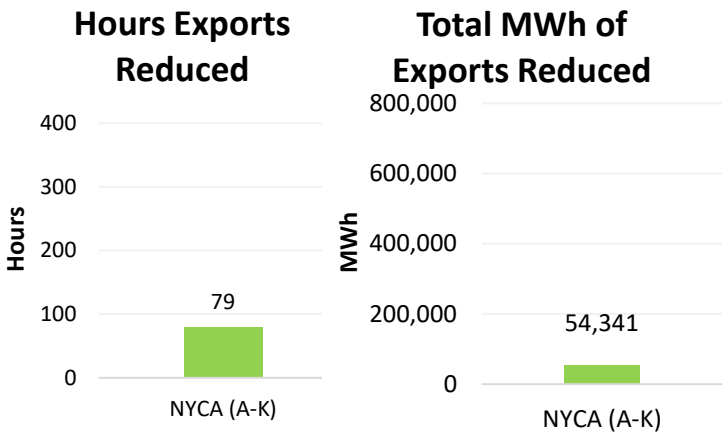
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 12     |
| Total MWh             | 18,235 |
| Avg. MW               | 44.7   |
| First Hour with Viol. | 223    |

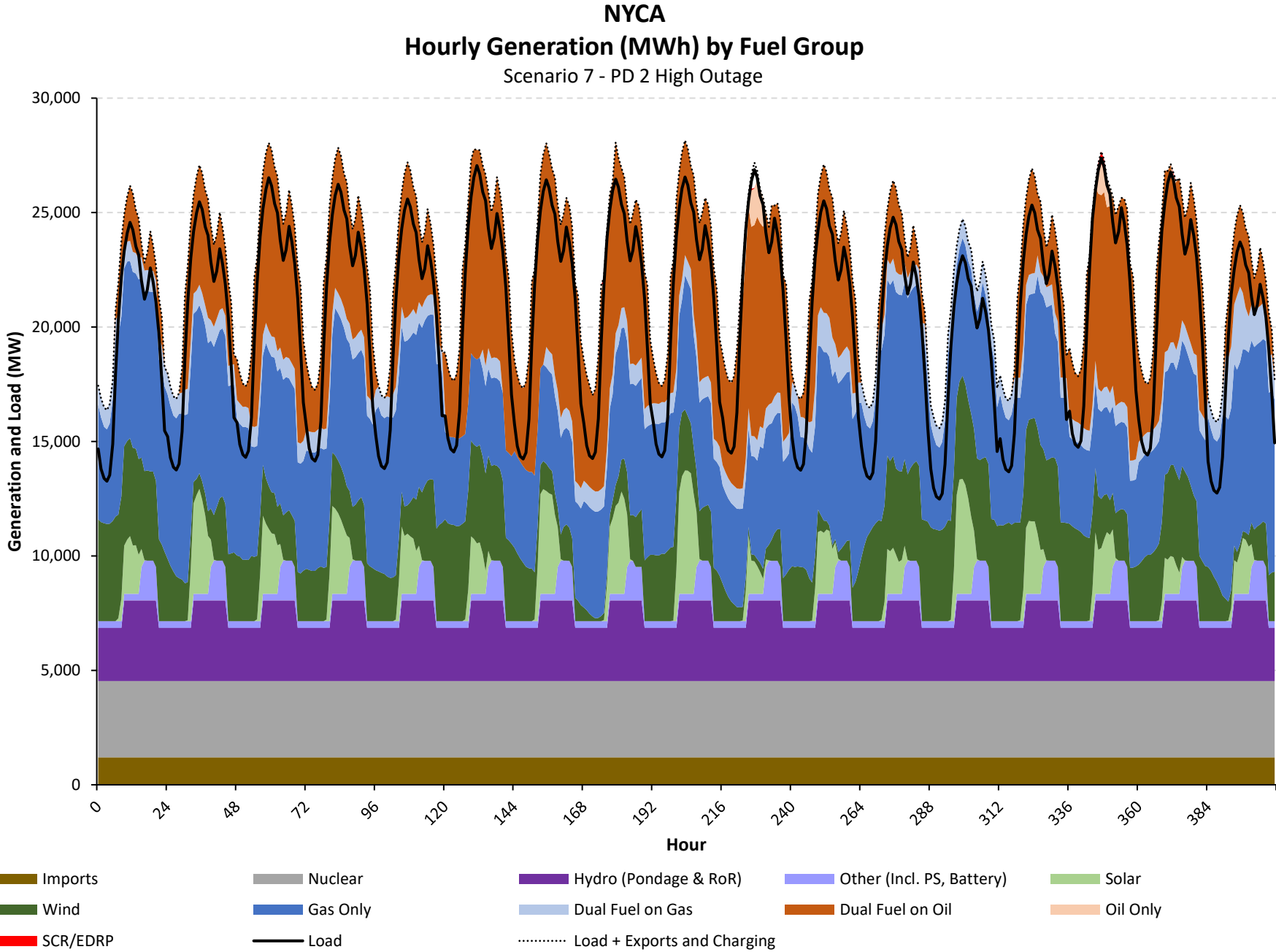
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 3     |
| Total MWh              | 2,141 |
| Avg. MW                | 5.2   |
| First Hour with Losses | 226   |

Full Period Results Summary

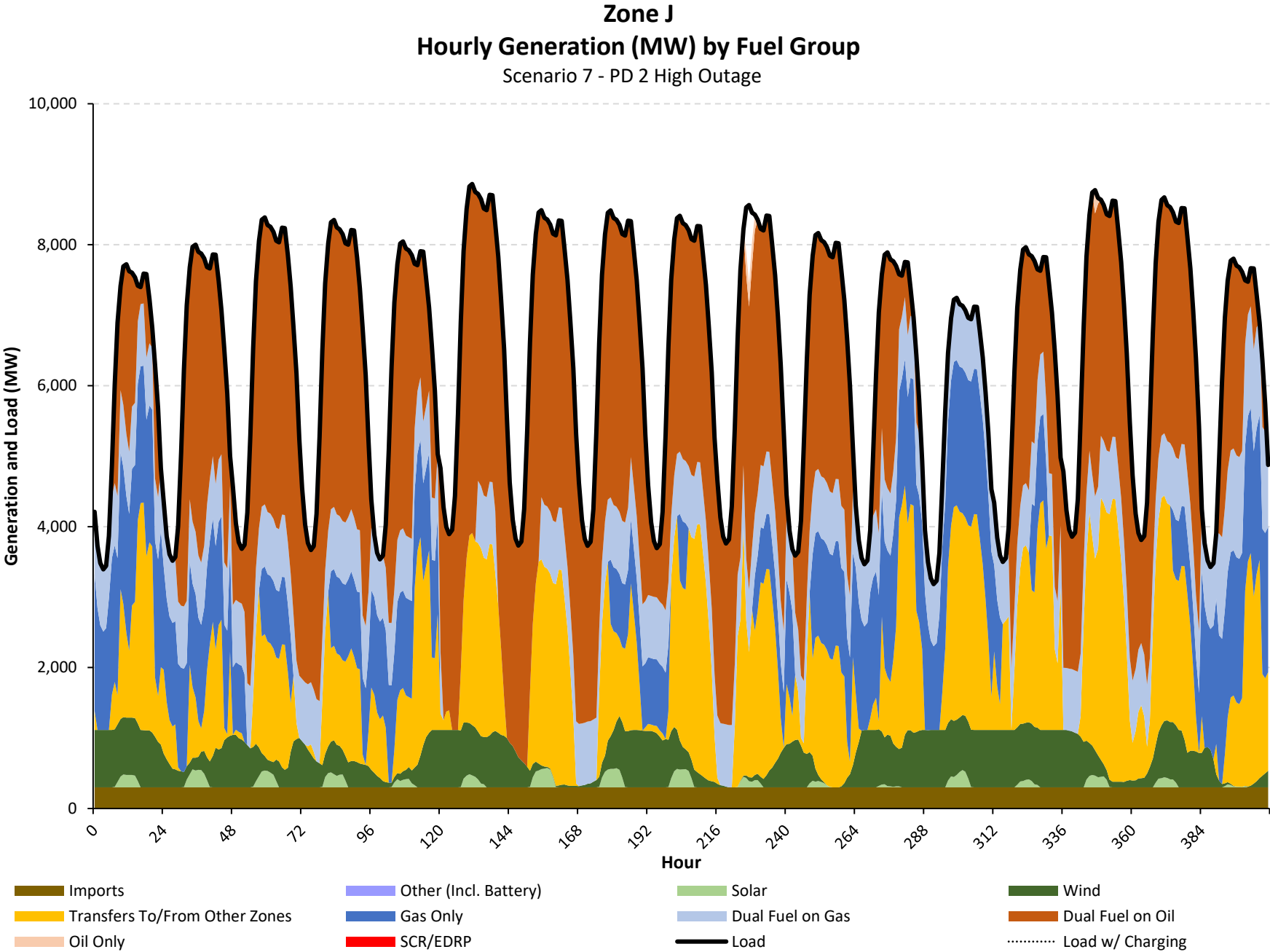
Case Name: Scenario 7 - PD 2 High Outage

| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | High    |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

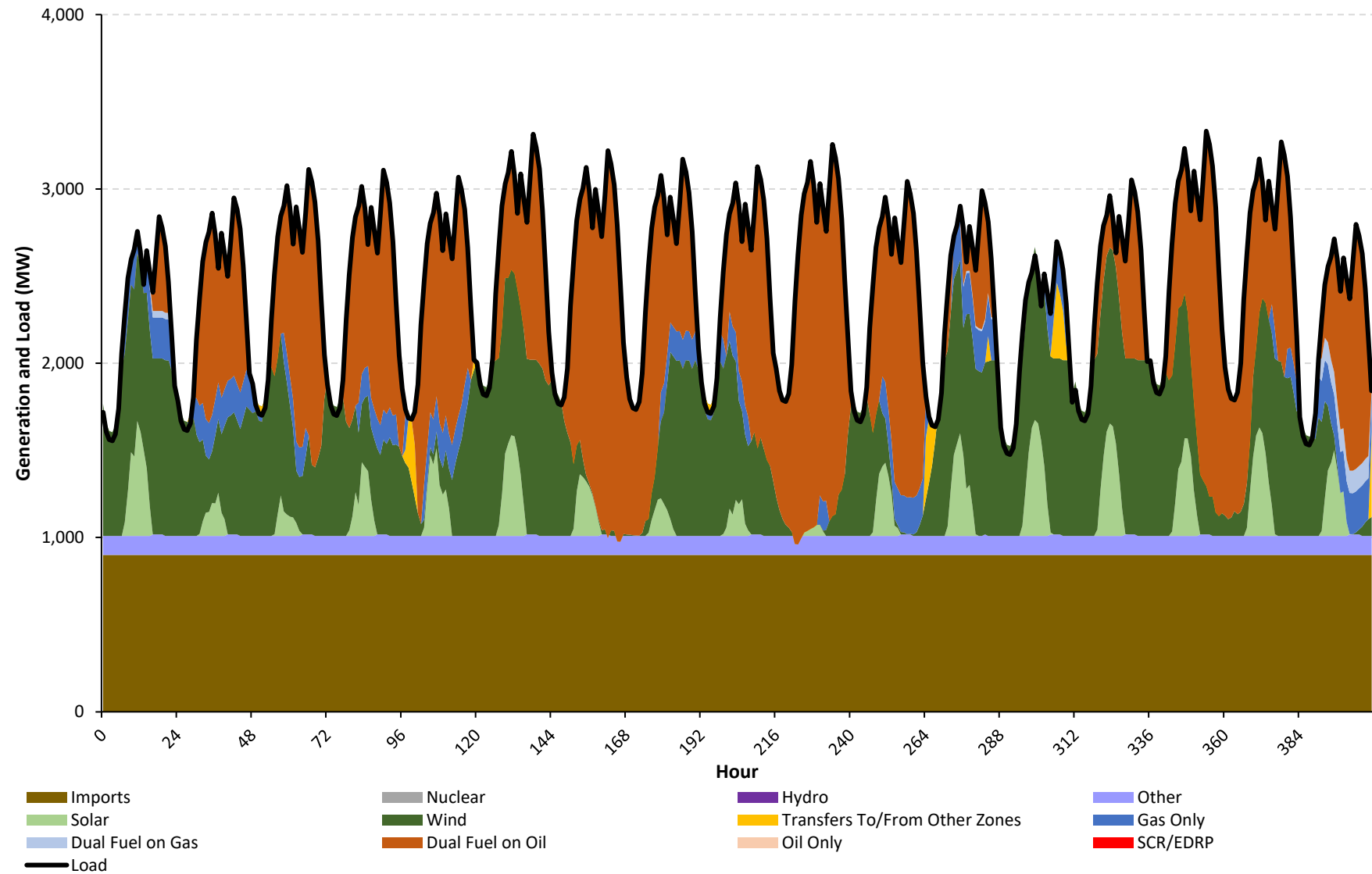


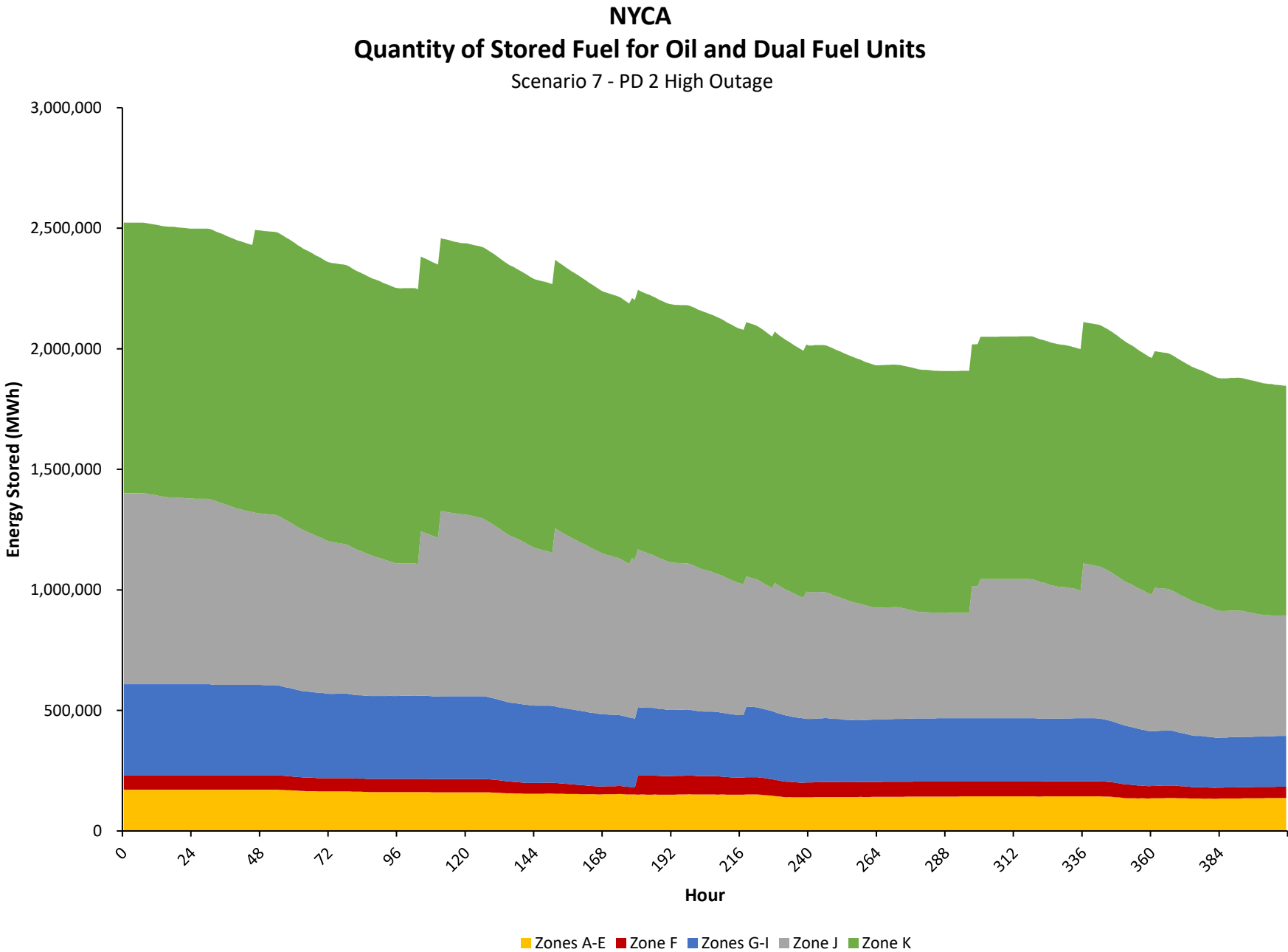


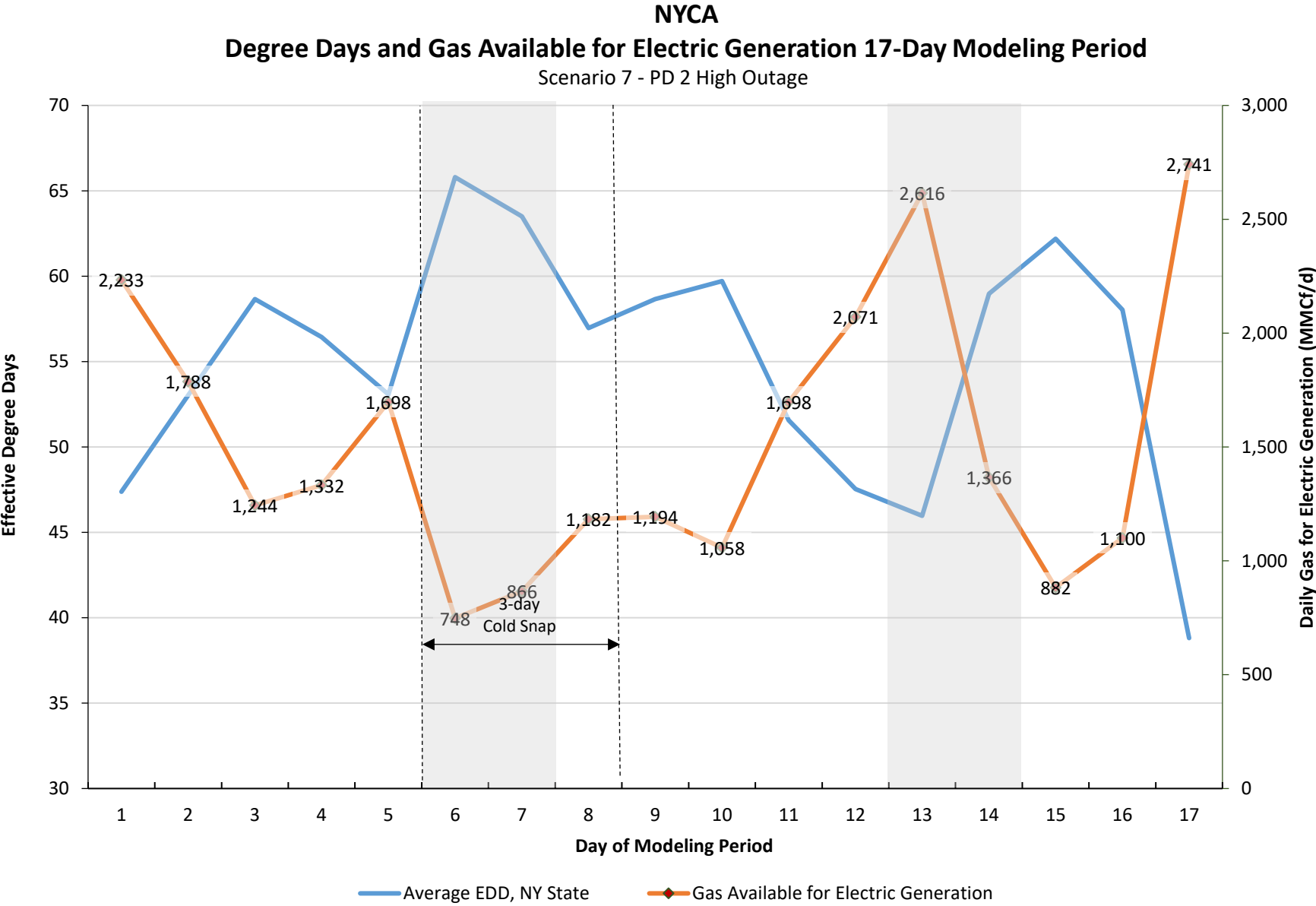




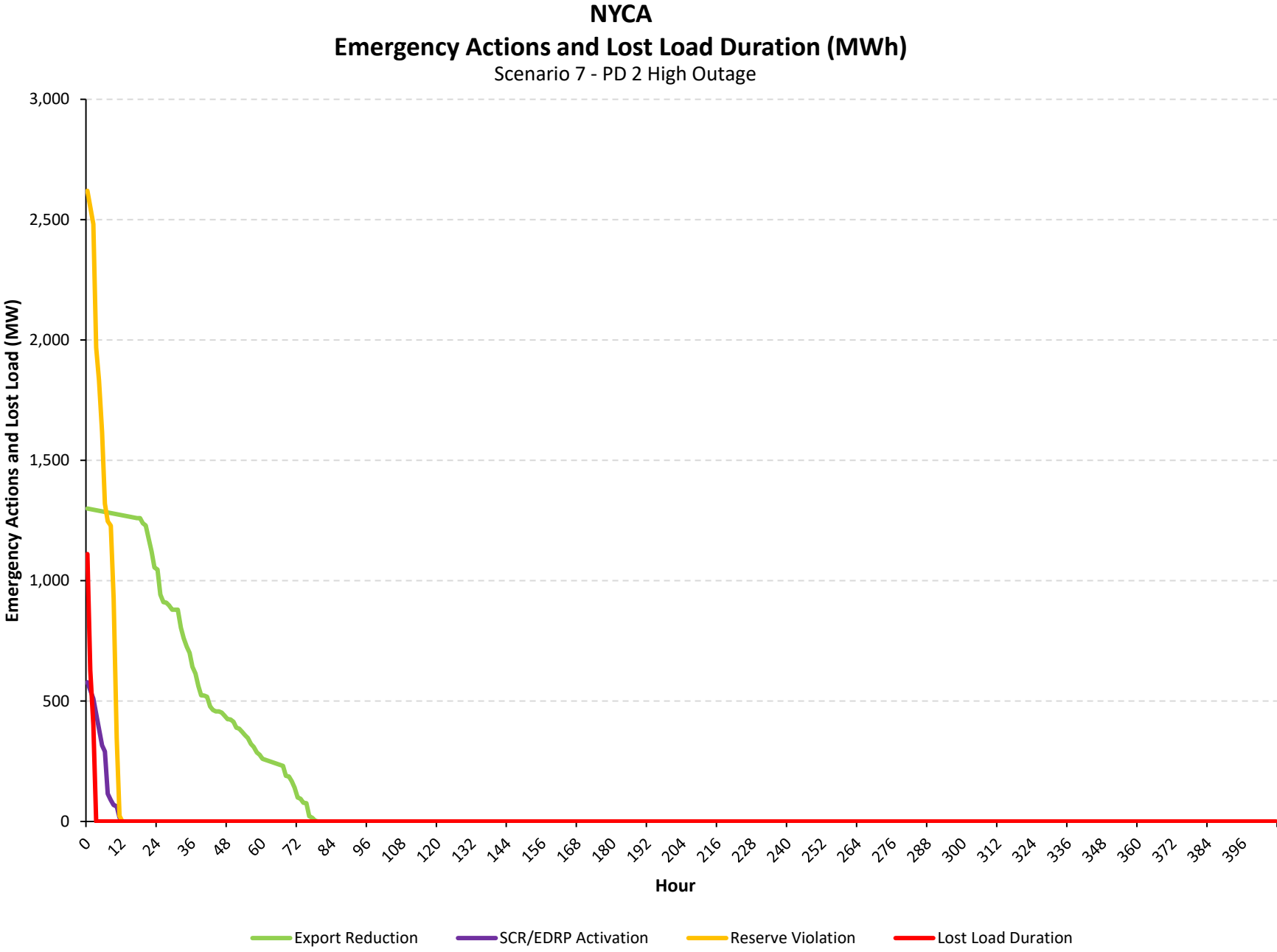
Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 7 - PD 2 High Outage

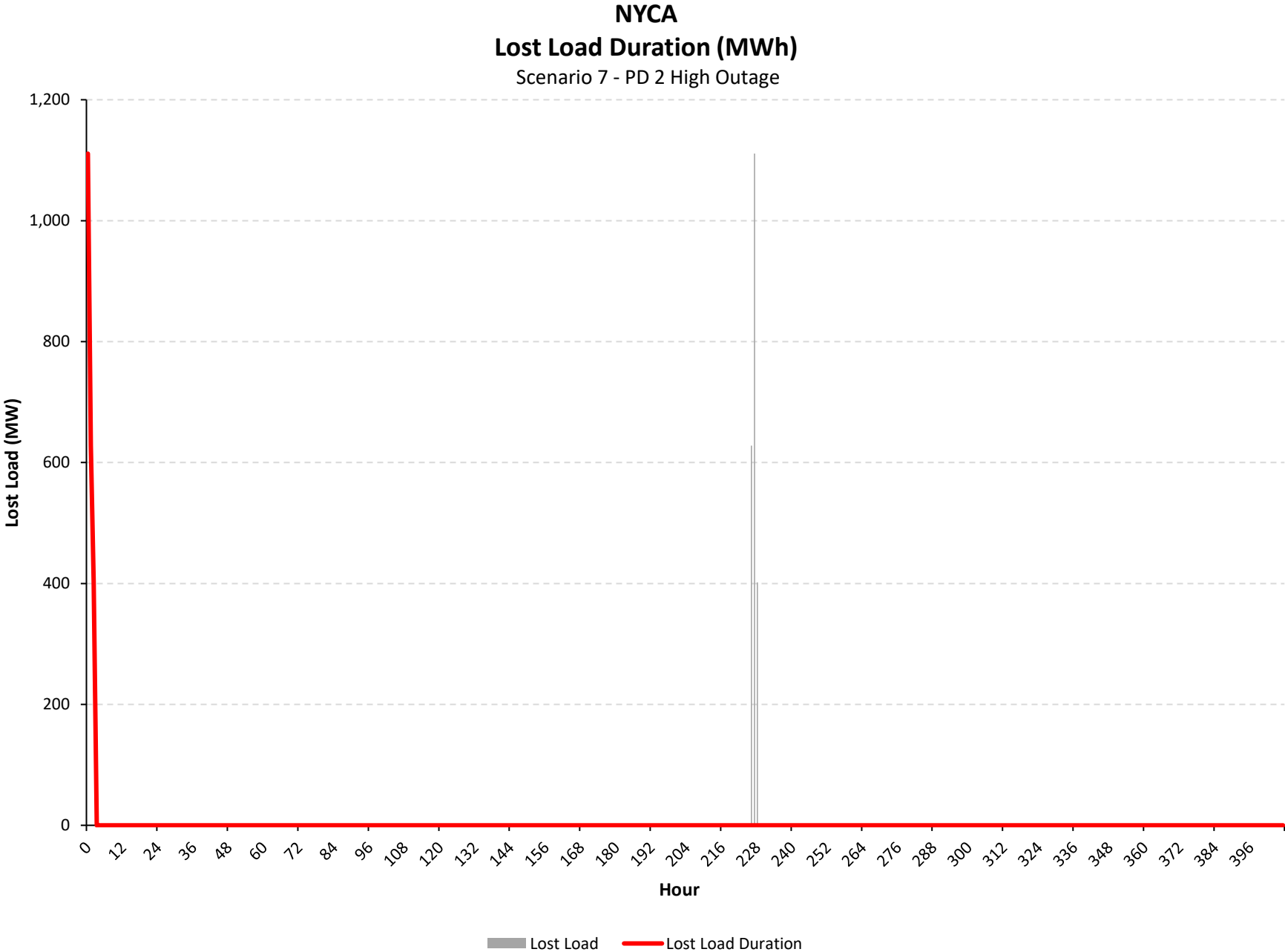






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



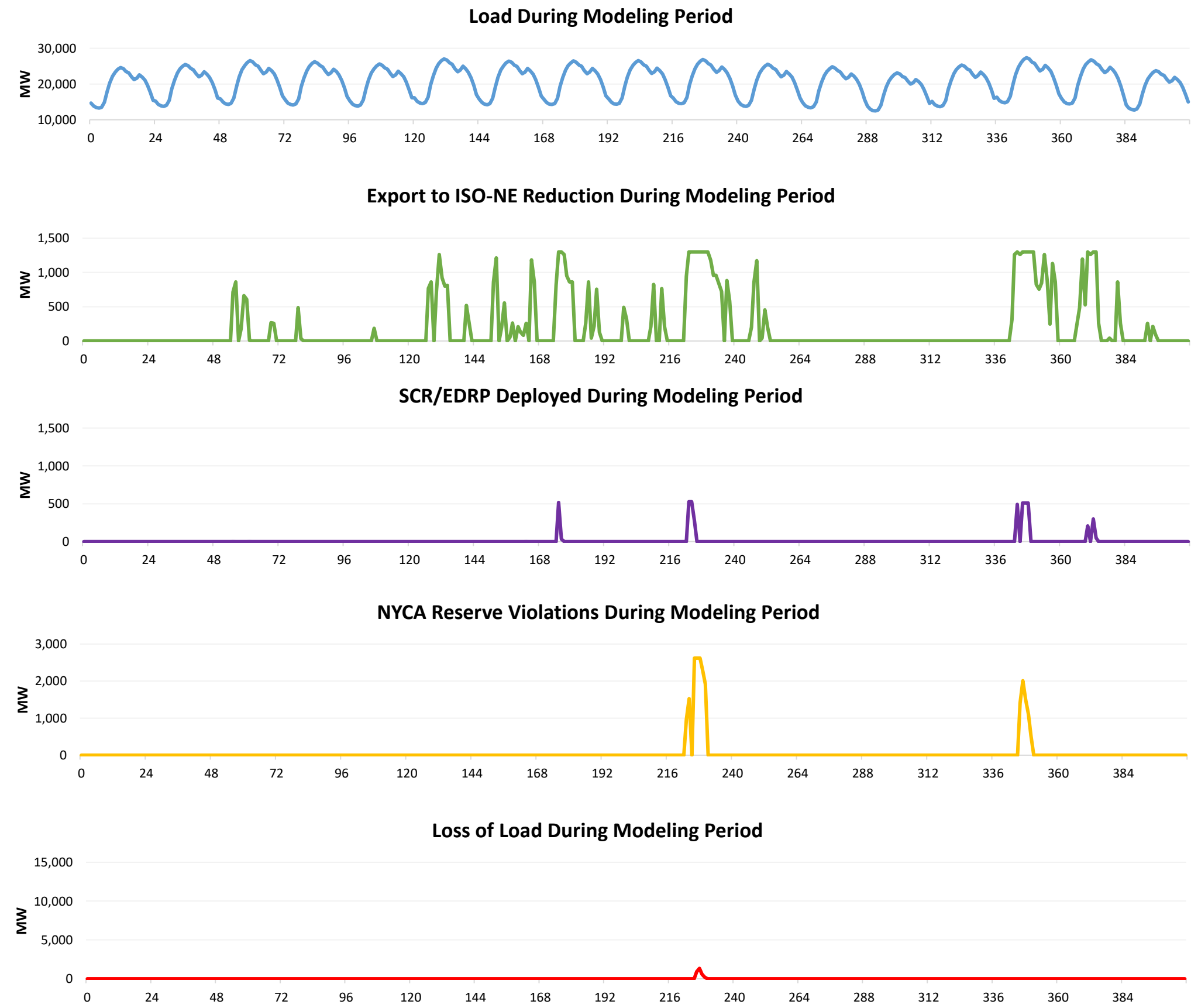


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 3 SENY Deactivation



| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | Roseton |
| Import Scenario:         | All     |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 105    |
| Total MWh         | 76,994 |
| Avg. MW           | 188.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 4,457 |
| Avg. MW        | 10.9  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 12     |
| Total MWh             | 21,058 |
| Avg. MW               | 51.6   |
| First Hour with Viol. | 223    |

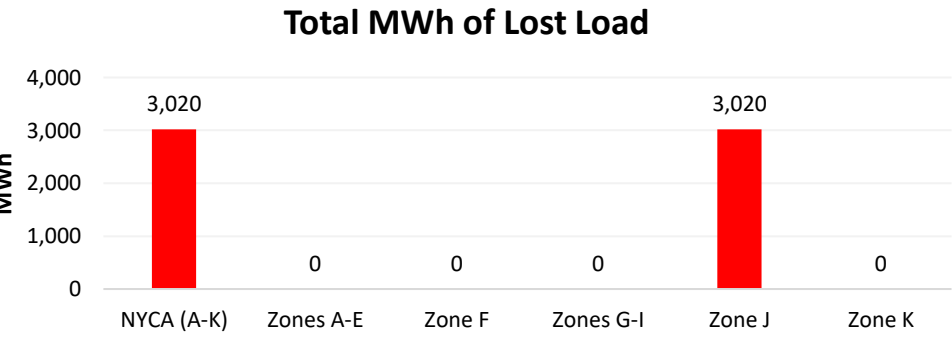
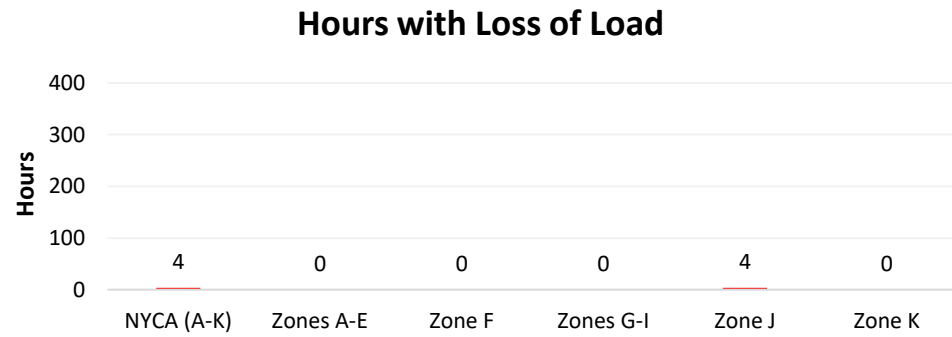
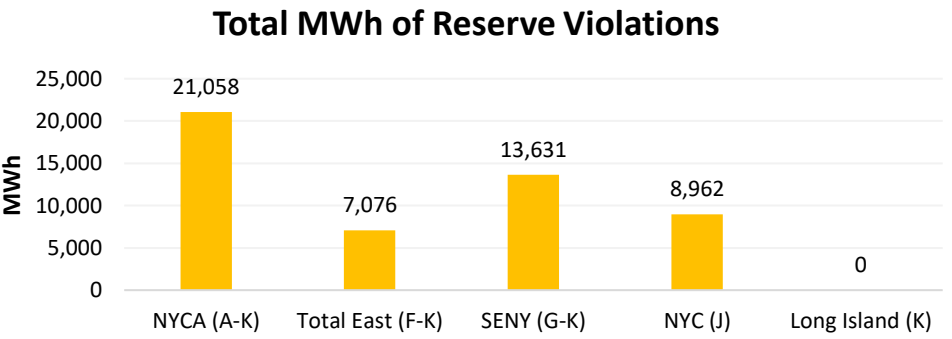
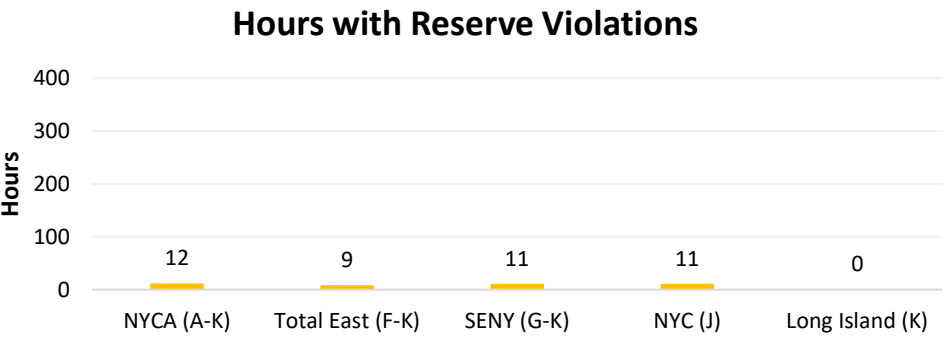
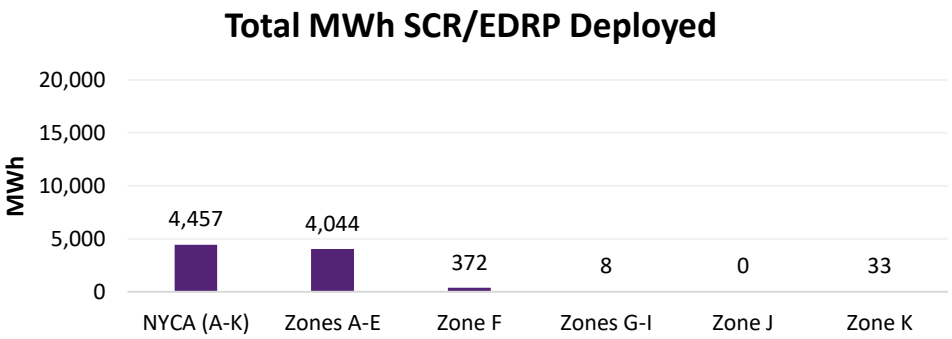
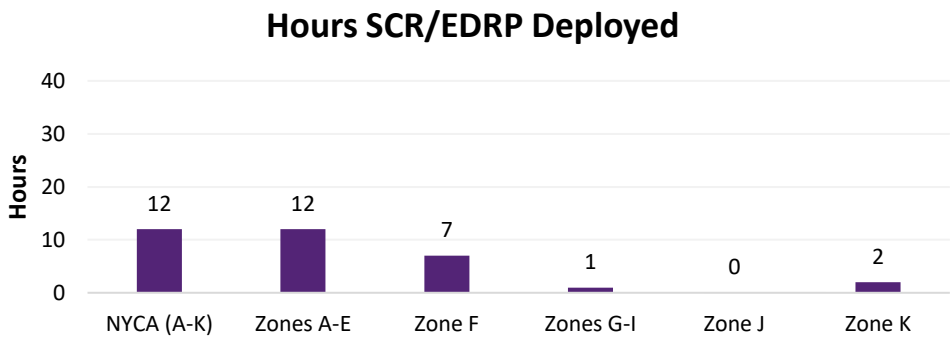
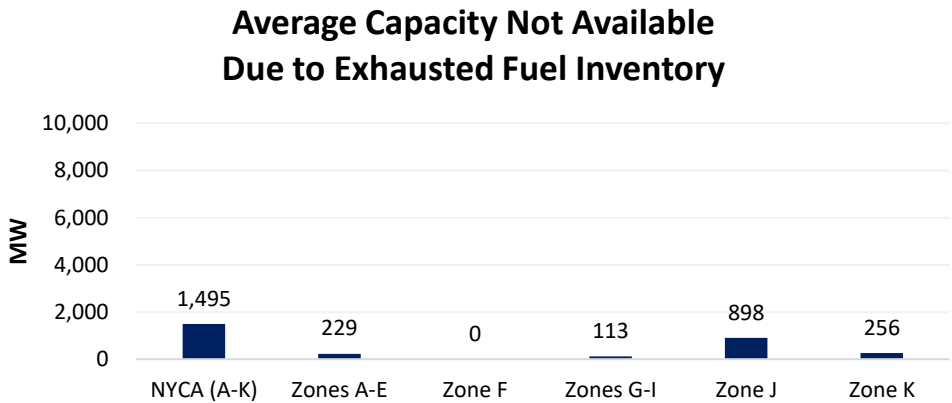
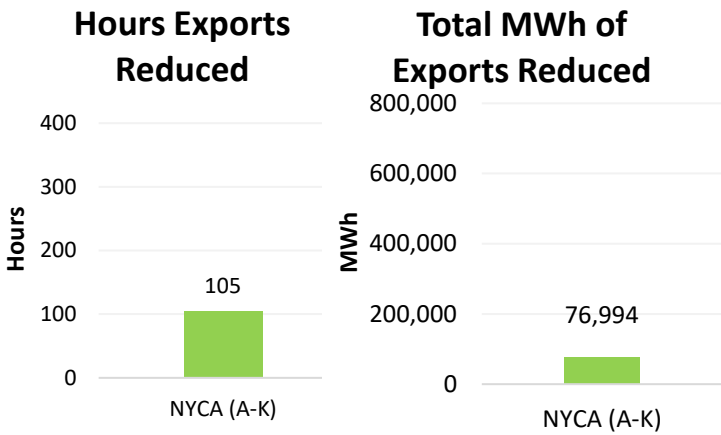
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 4     |
| Total MWh              | 3,020 |
| Avg. MW                | 7.4   |
| First Hour with Losses | 226   |

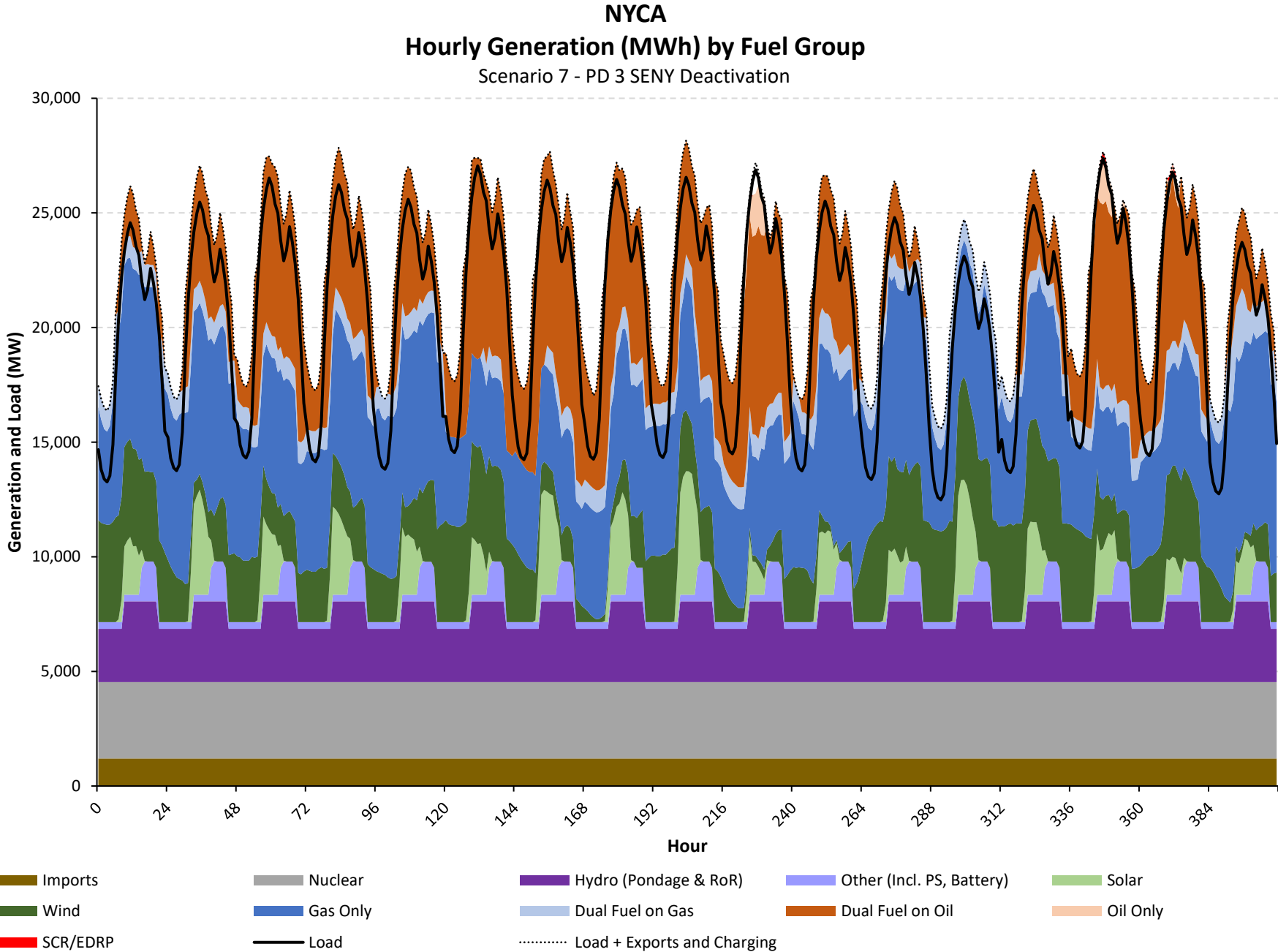


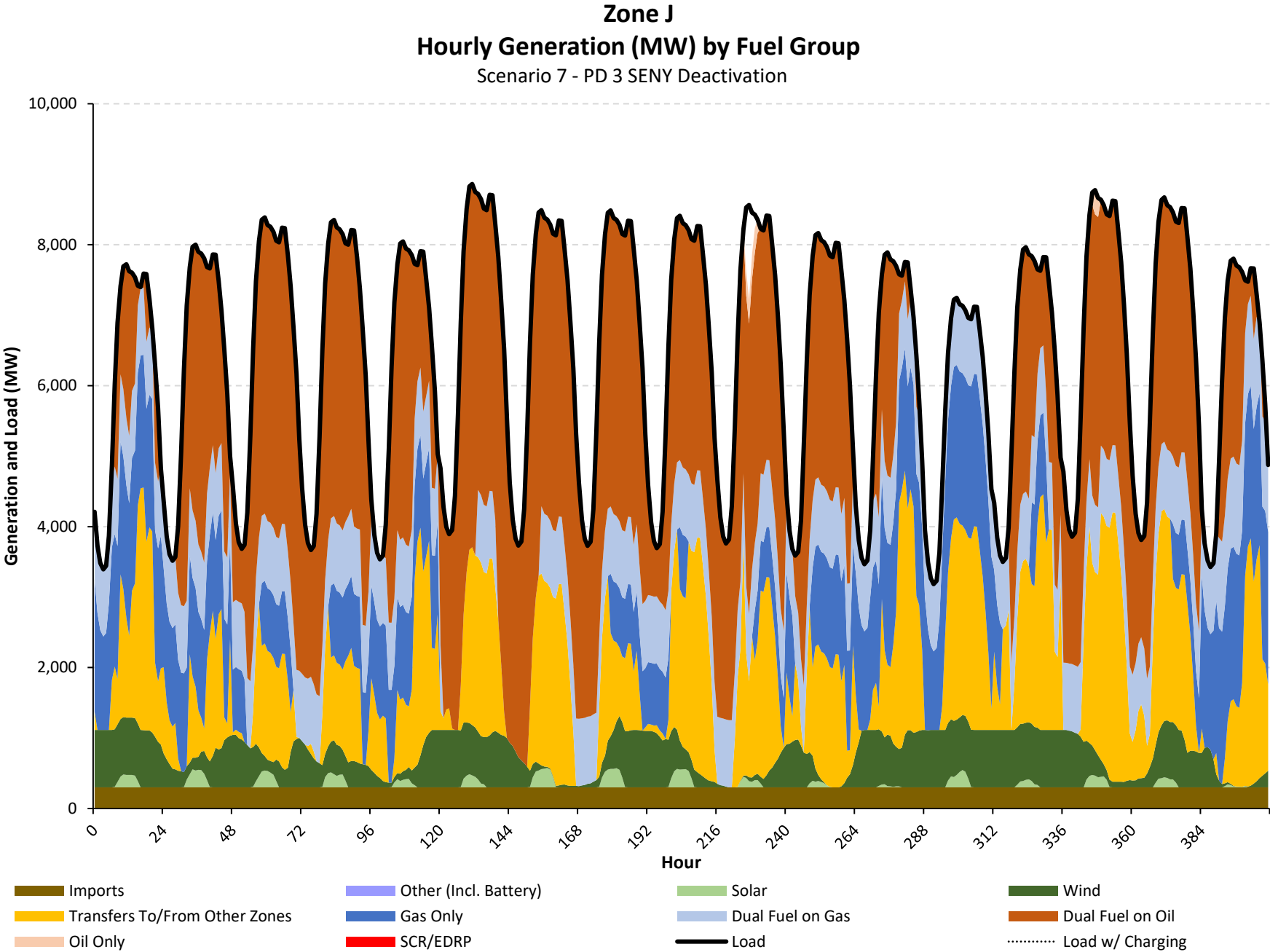
Full Period Results Summary

Case Name: Scenario 7 - PD 3 SENY Deactivation

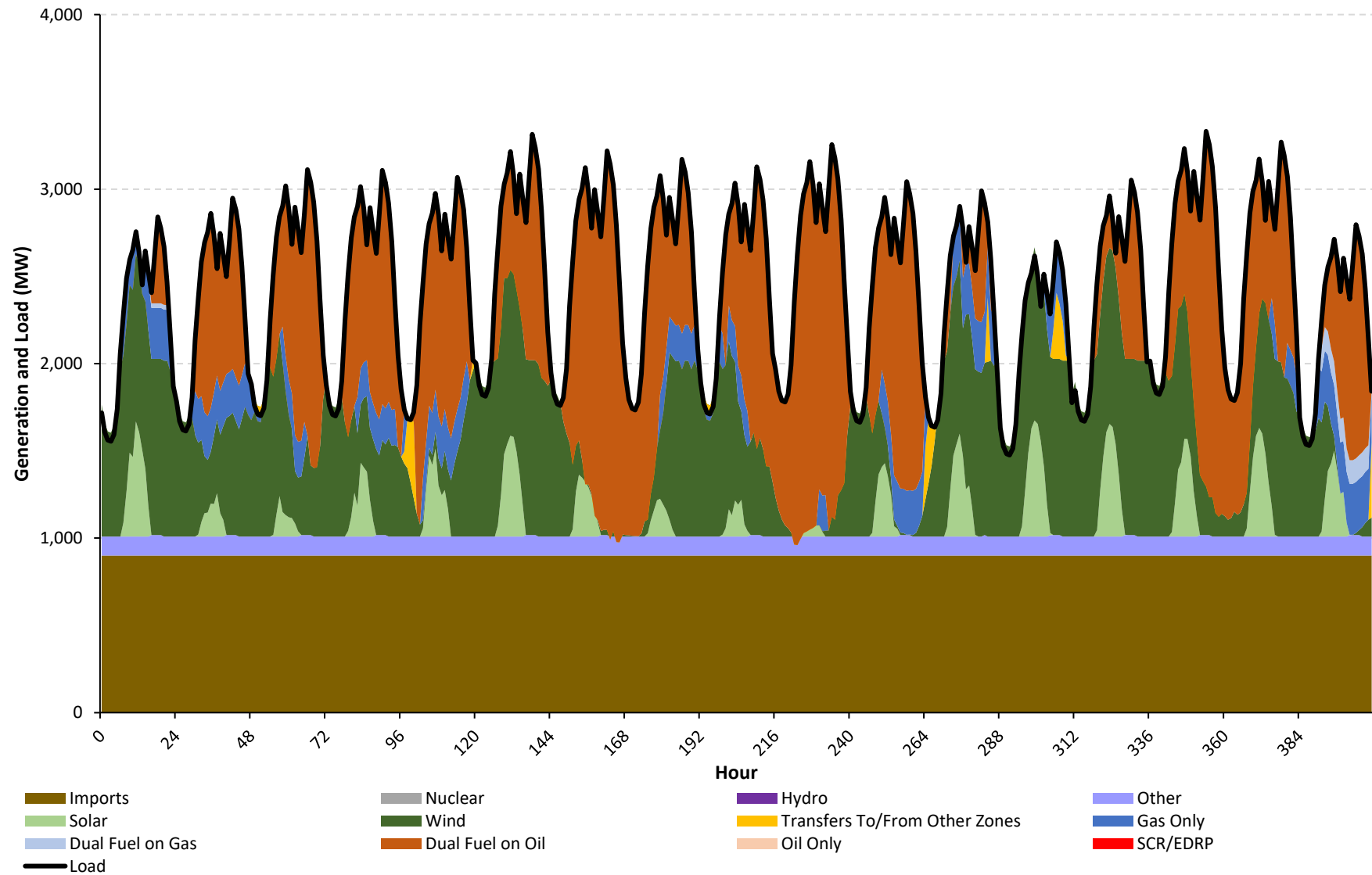
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | Roseton |
| Import Scenario:         | All     |

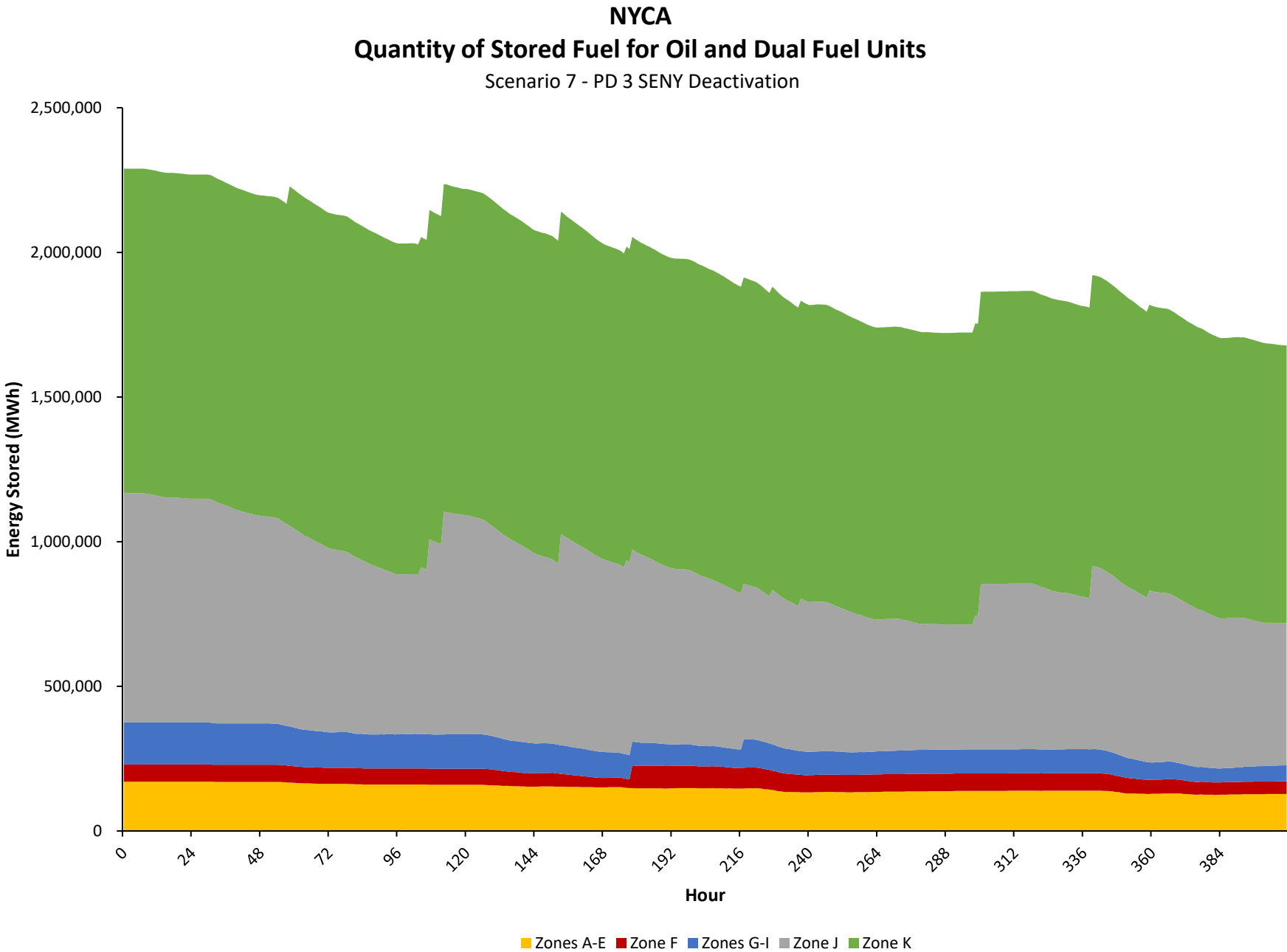


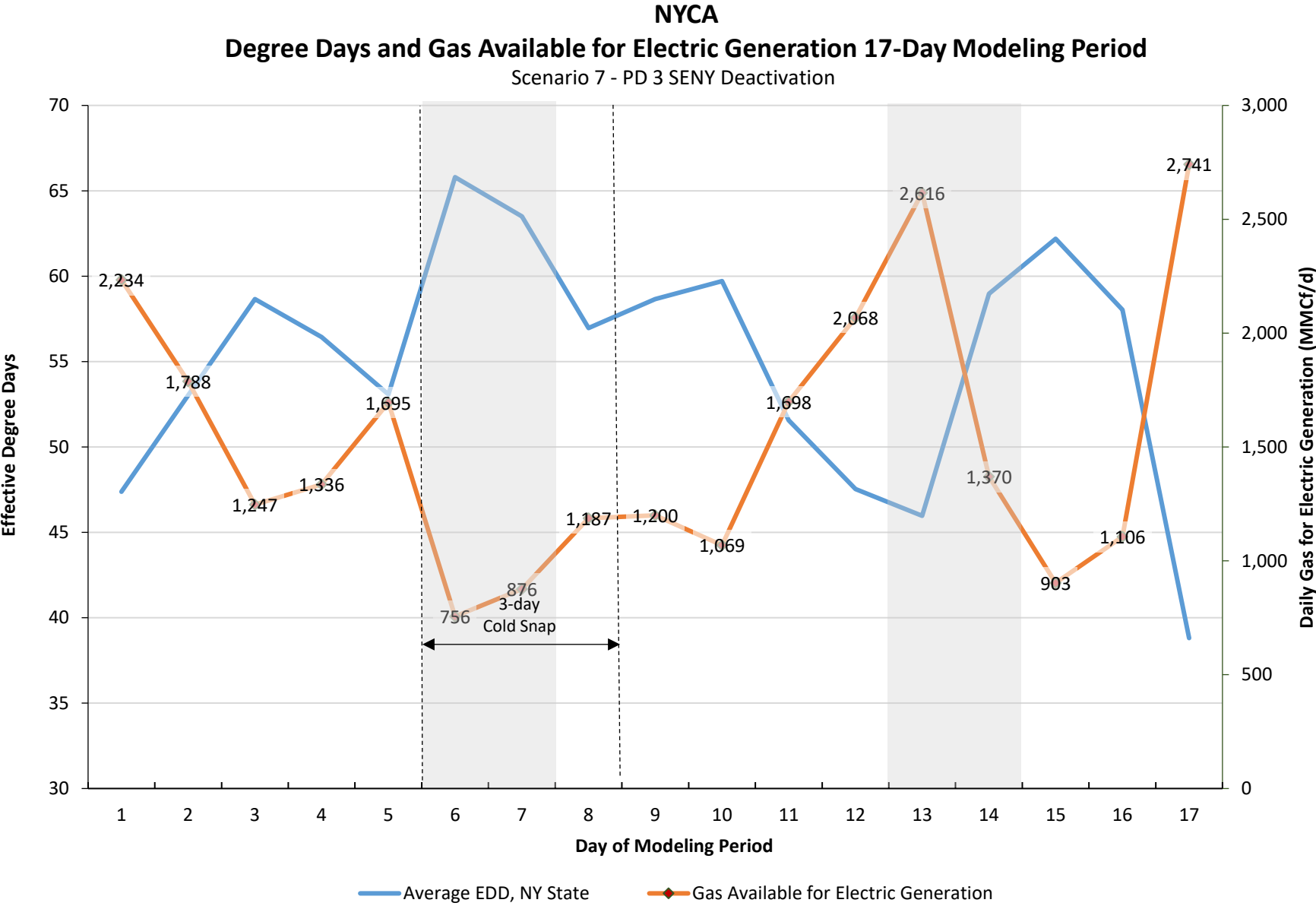




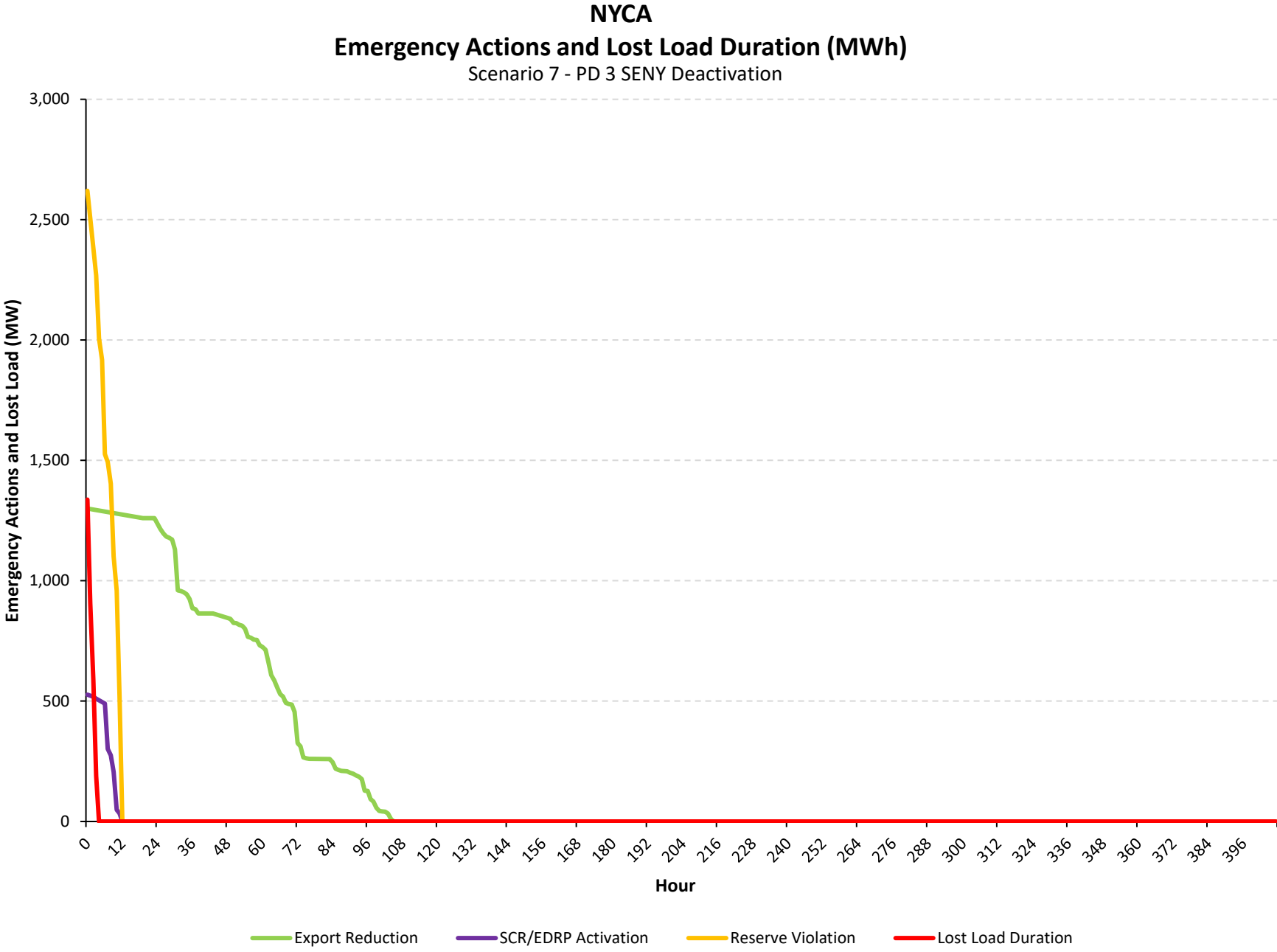
Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 7 - PD 3 SENY Deactivation

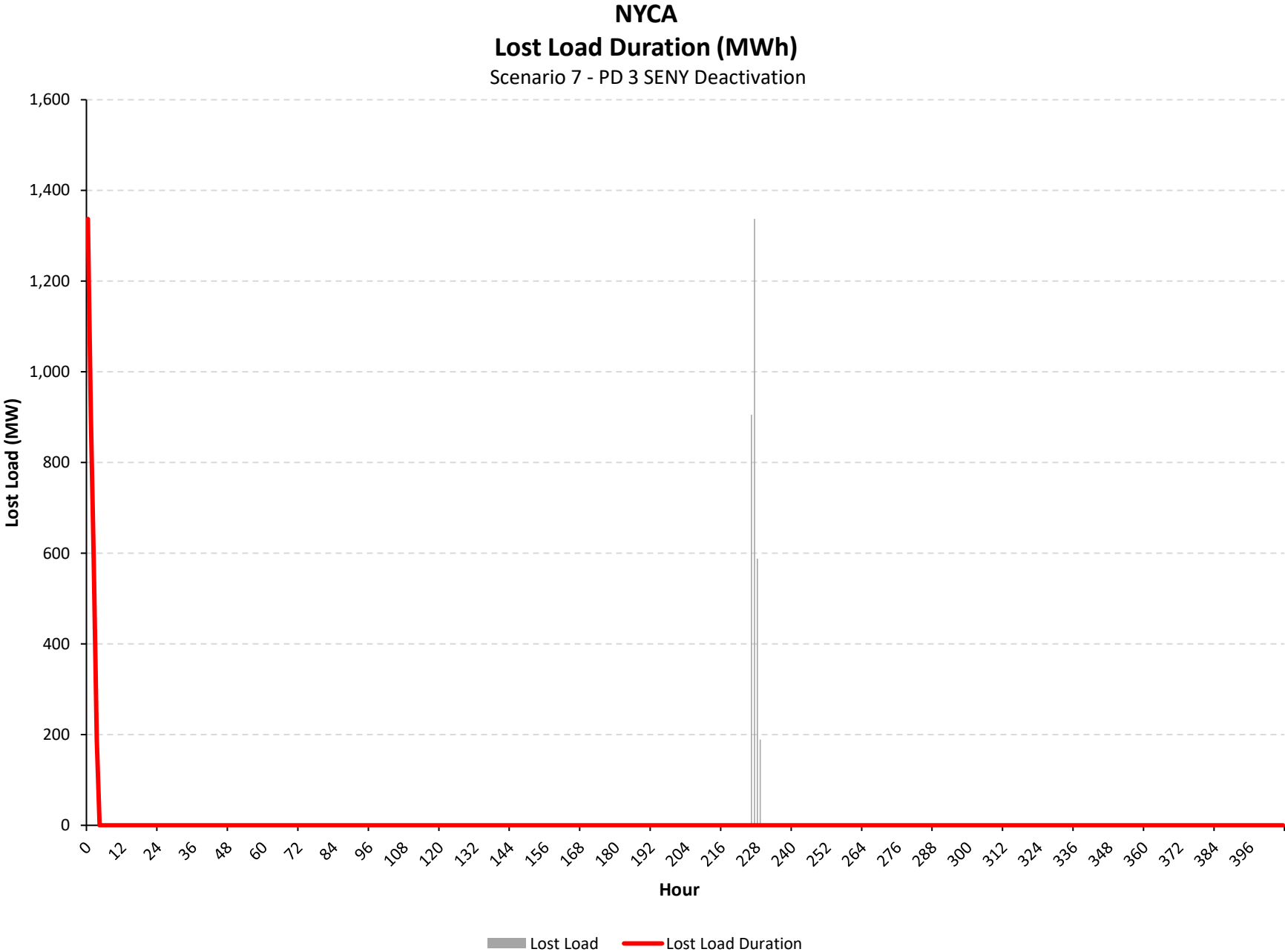






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





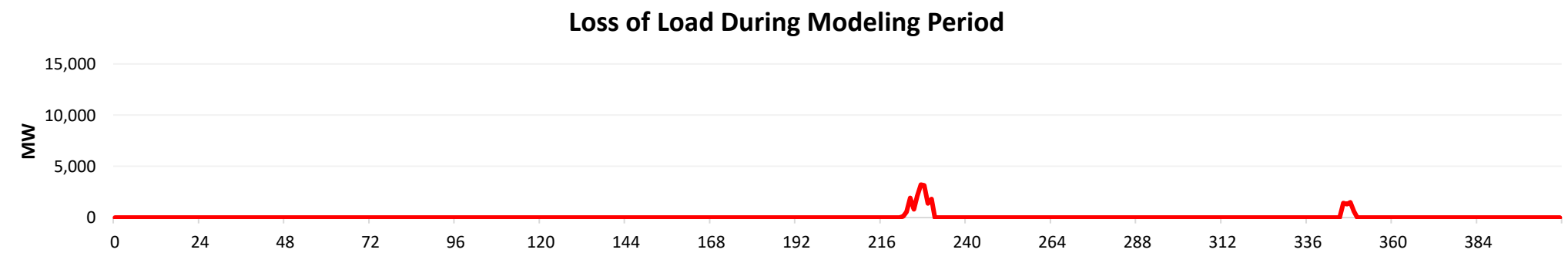
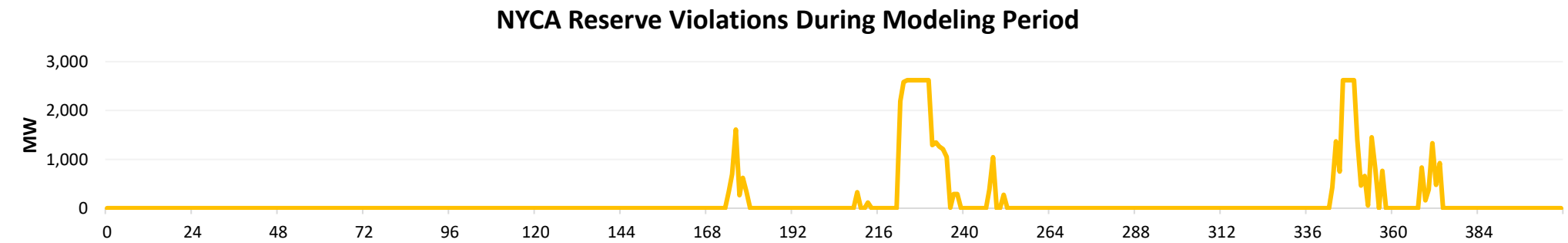
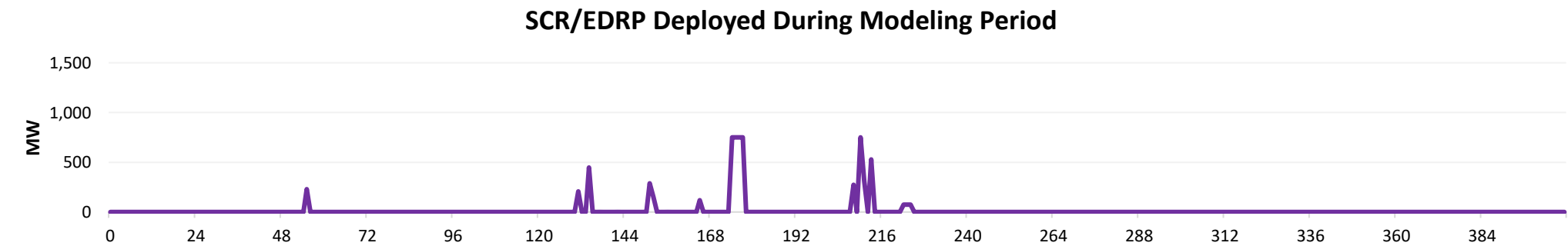
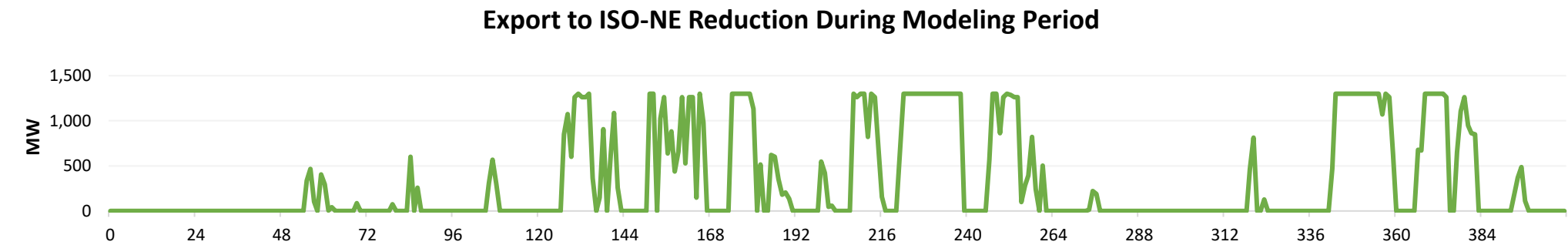
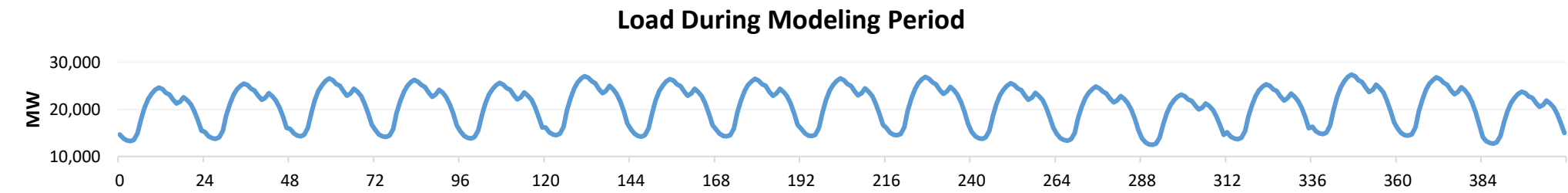


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 4 Nuclear Station Outage



| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORD) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | On      |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 146     |
| Total MWh         | 128,553 |
| Avg. MW           | 315.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 17    |
| Total MWh      | 6,522 |
| Avg. MW        | 16.0  |

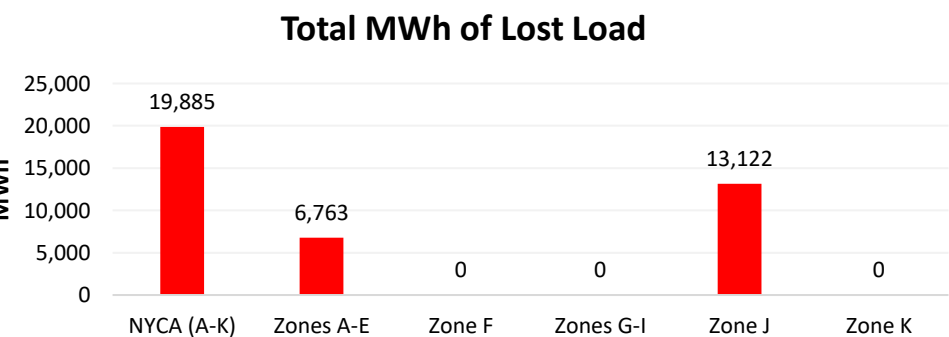
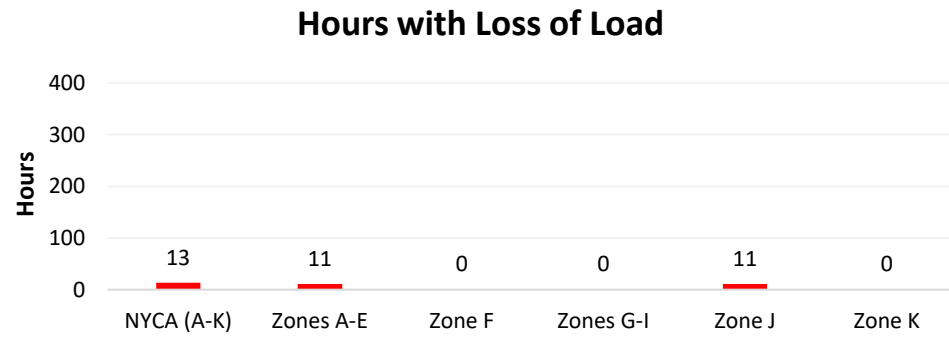
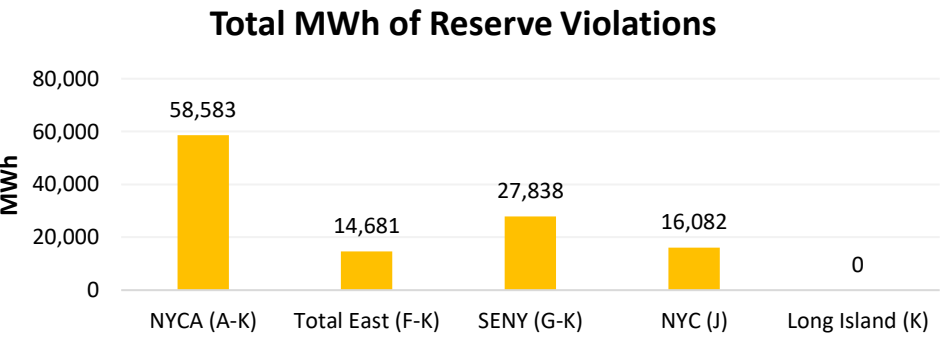
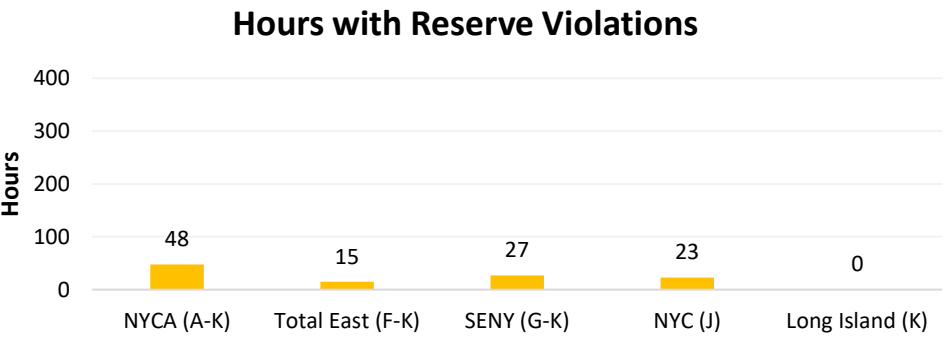
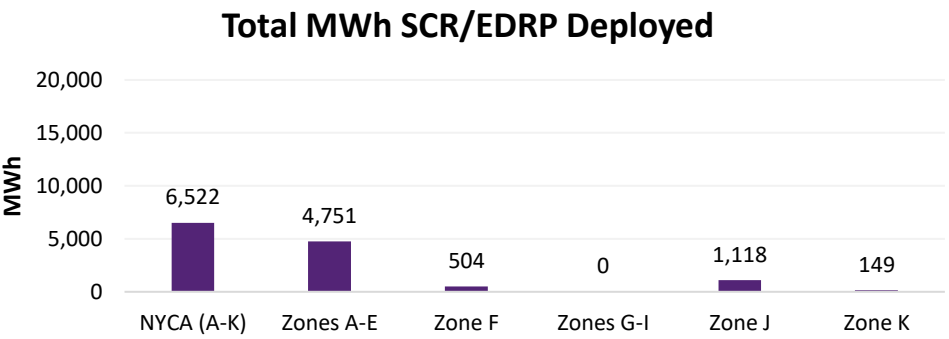
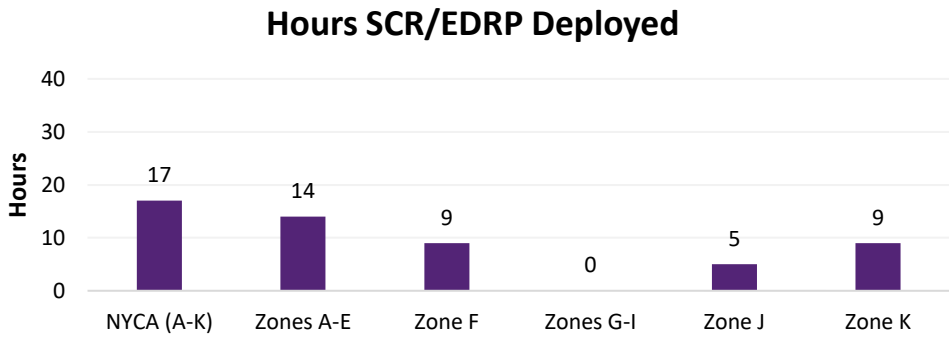
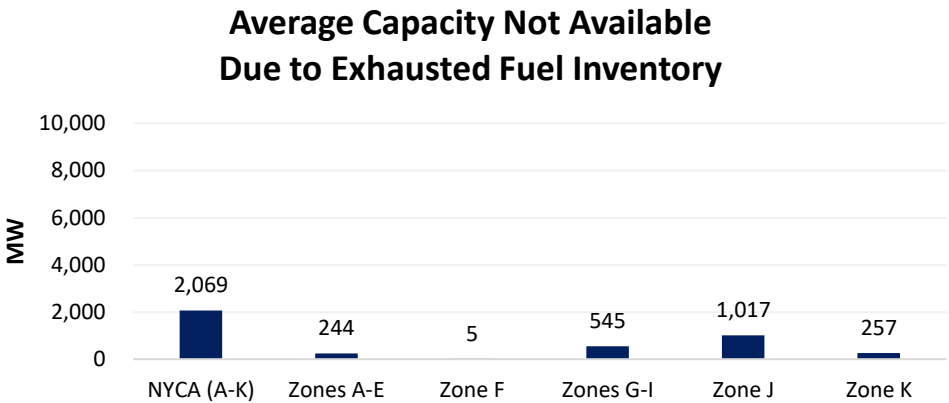
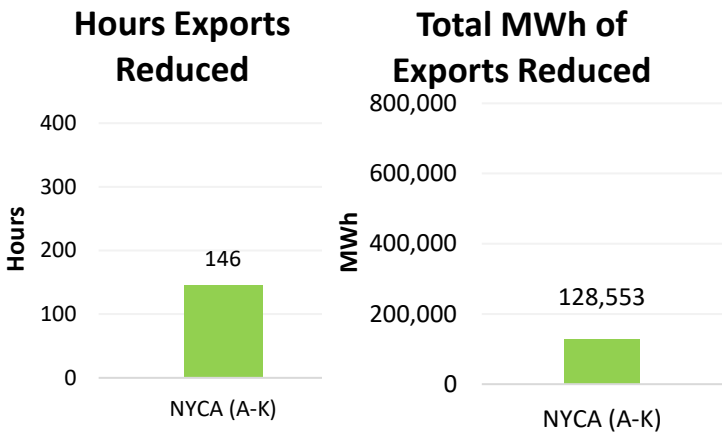
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 48     |
| Total MWh             | 58,583 |
| Avg. MW               | 143.6  |
| First Hour with Viol. | 174    |

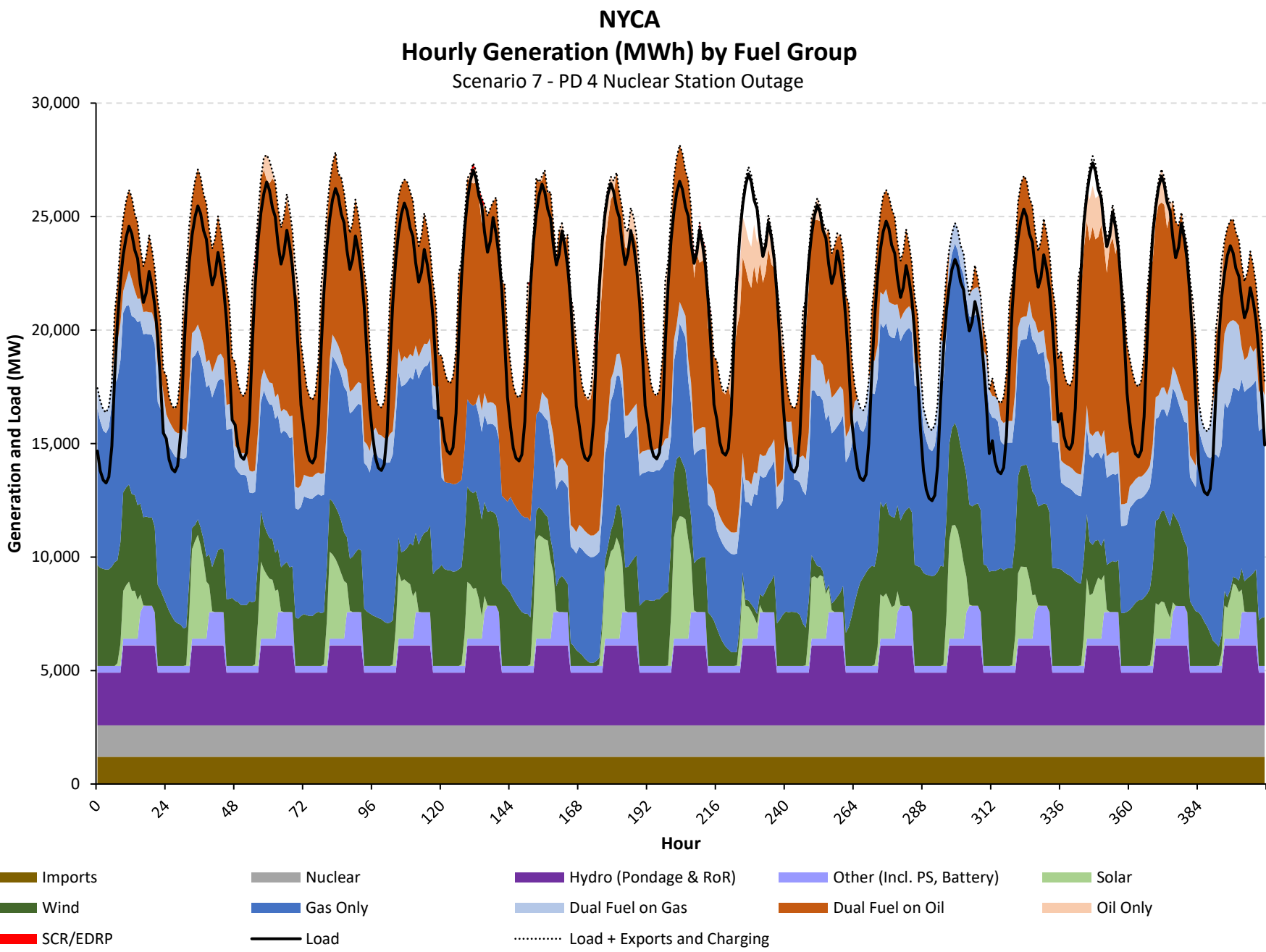
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 13     |
| Total MWh              | 19,885 |
| Avg. MW                | 48.7   |
| First Hour with Losses | 222    |

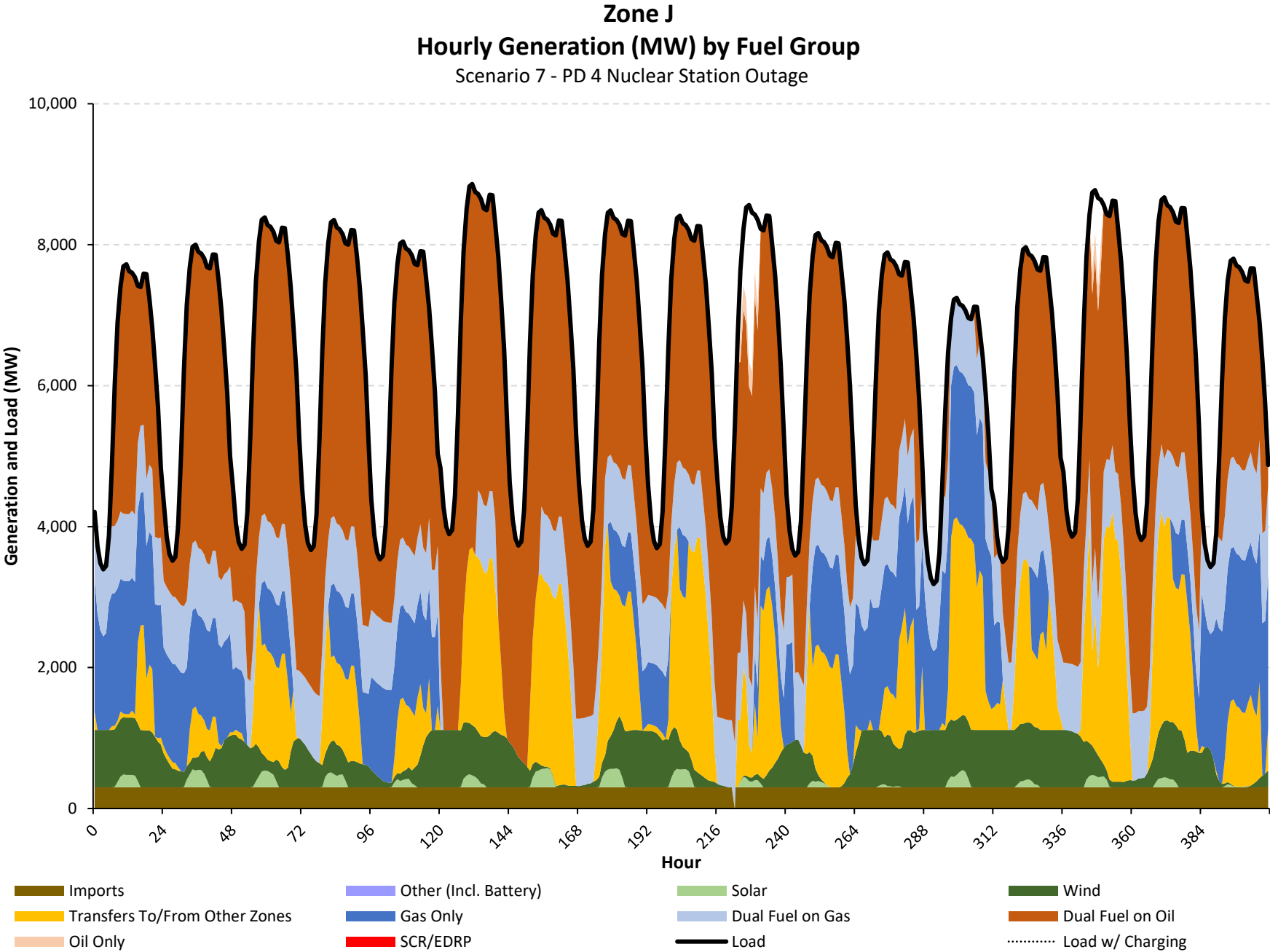
Full Period Results Summary

Case Name: Scenario 7 - PD 4 Nuclear Station Outage

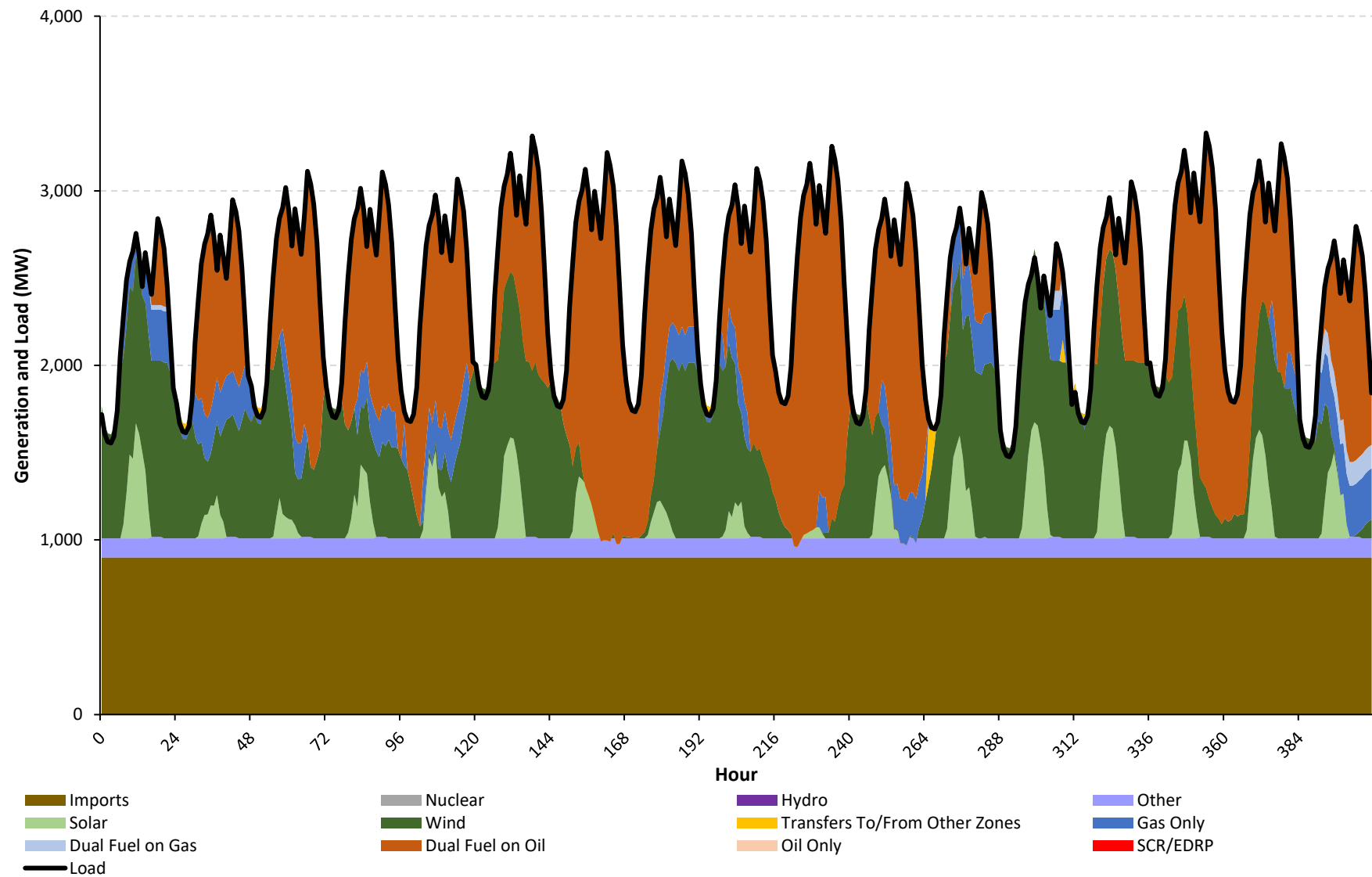
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | Off     |
| Nuclear Contingency:     | On      |
| Plant Outage:            | None    |
| Import Scenario:         | All     |



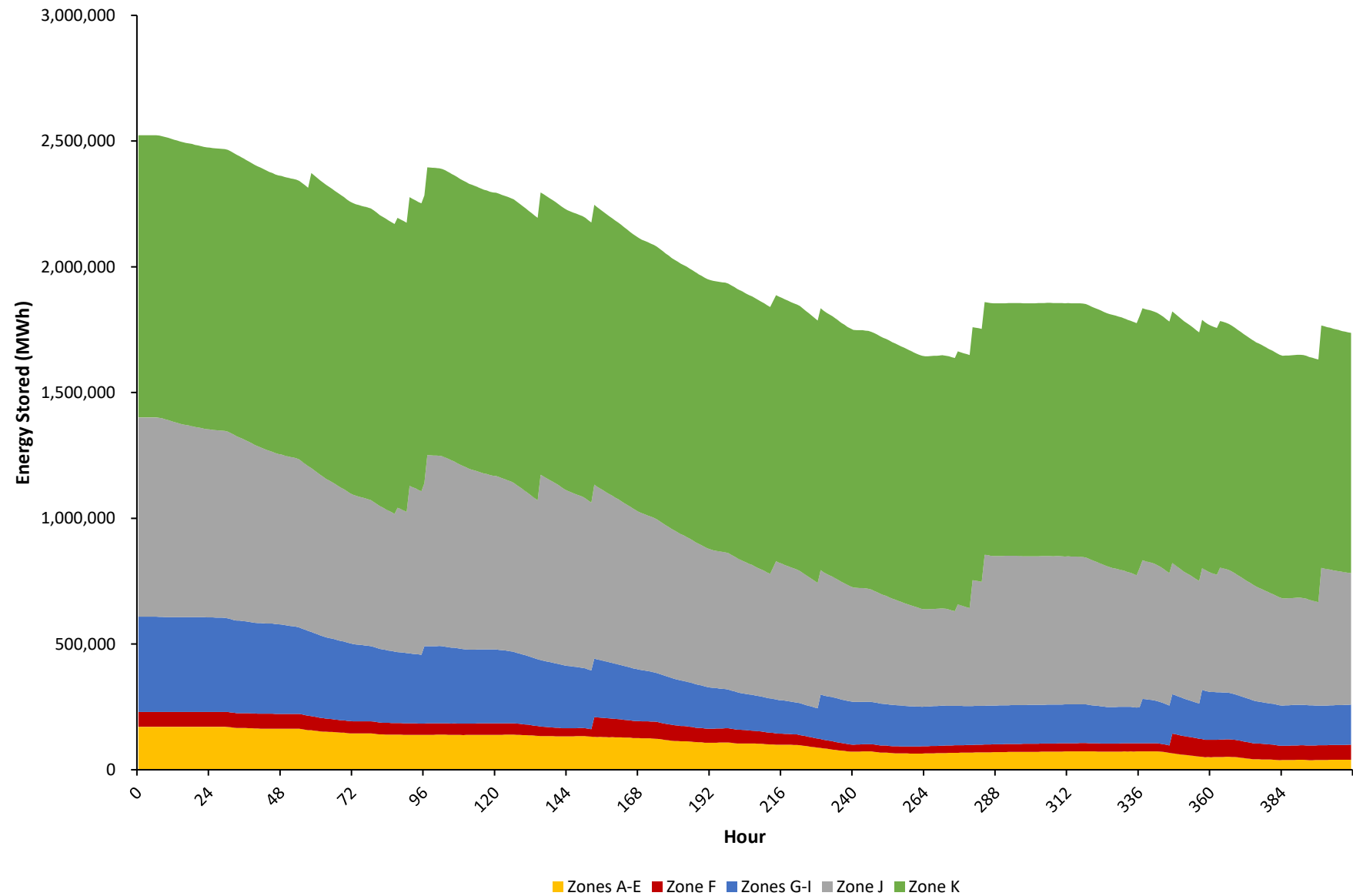


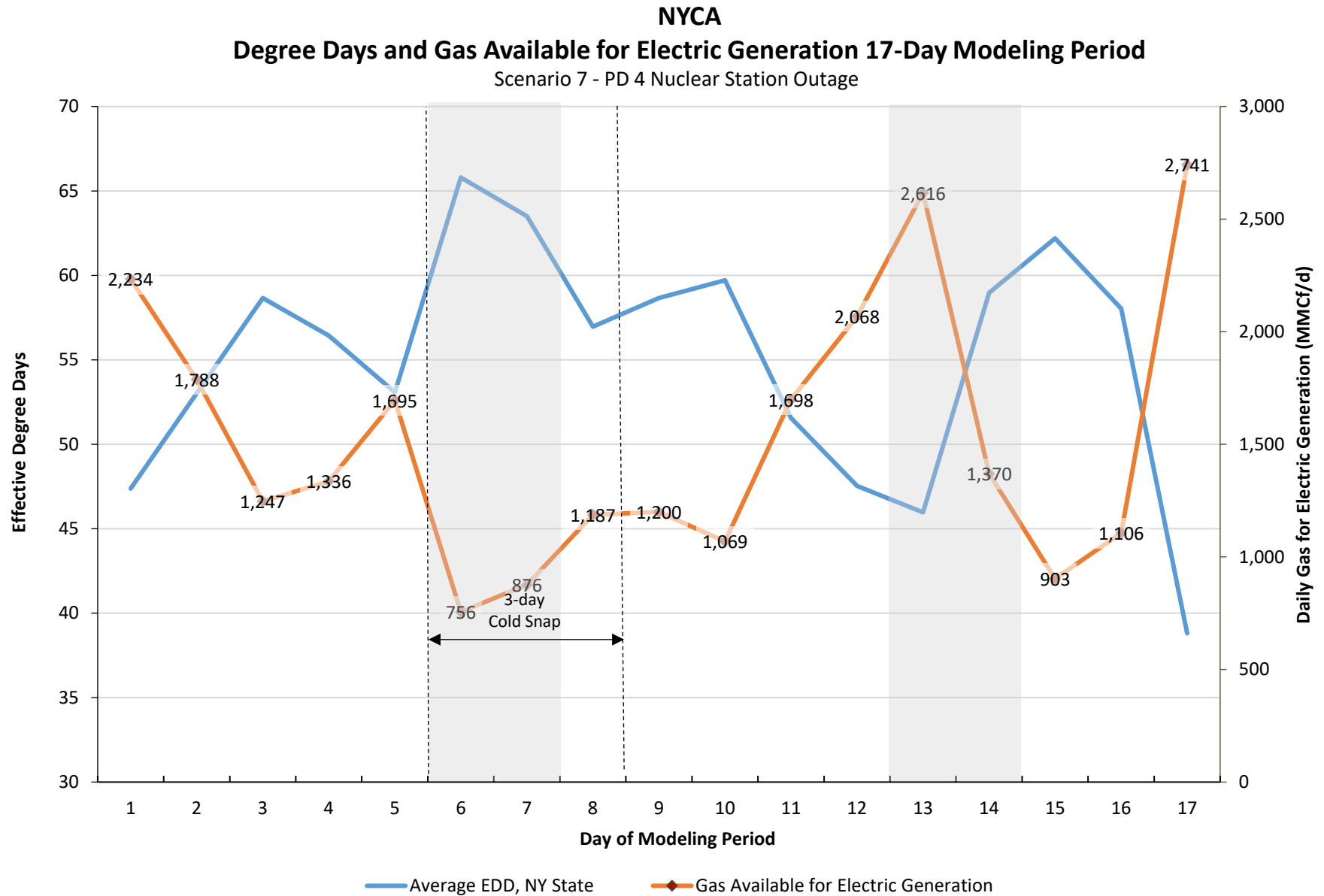


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 4 Nuclear Station Outage



**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 7 - PD 4 Nuclear Station Outage



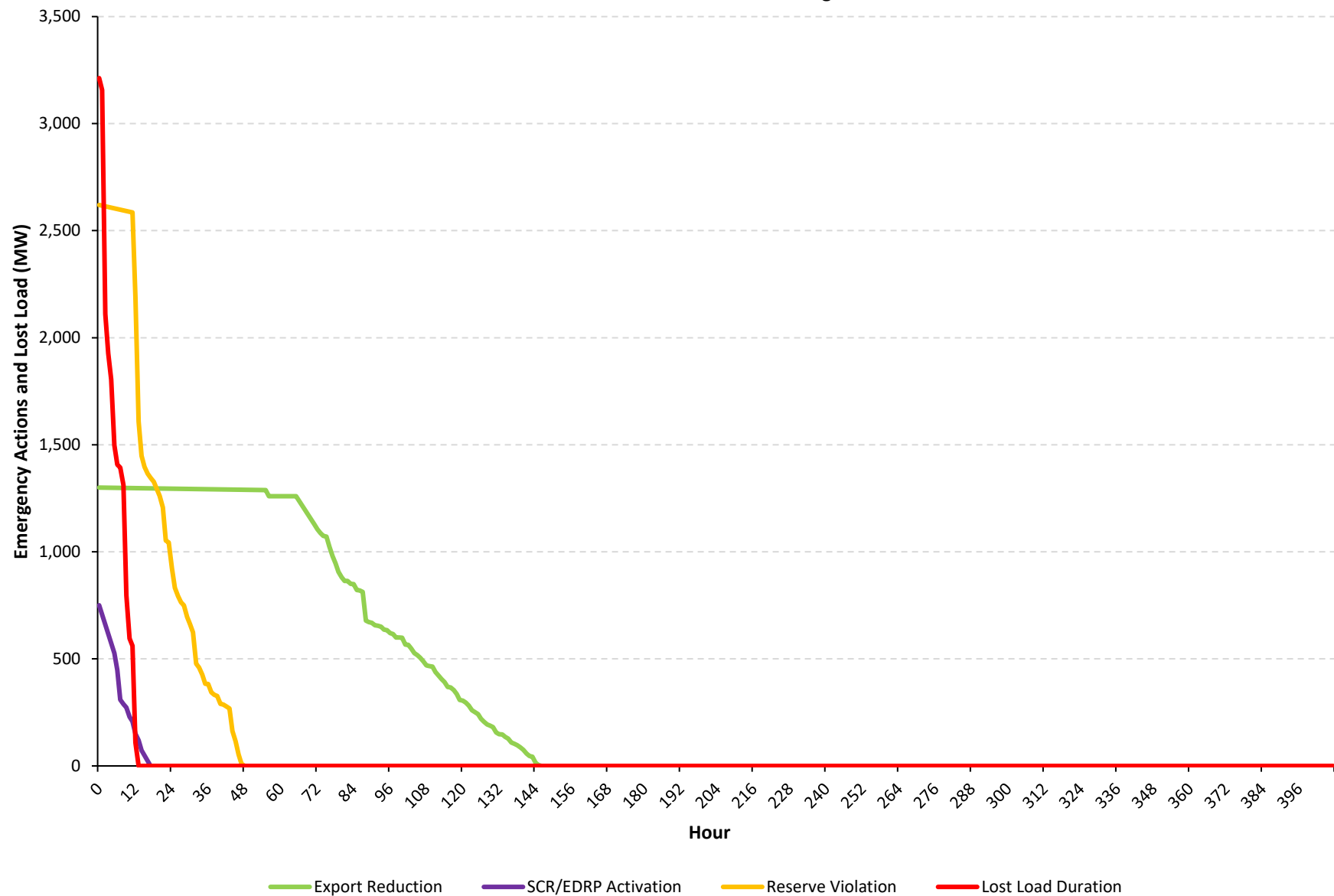


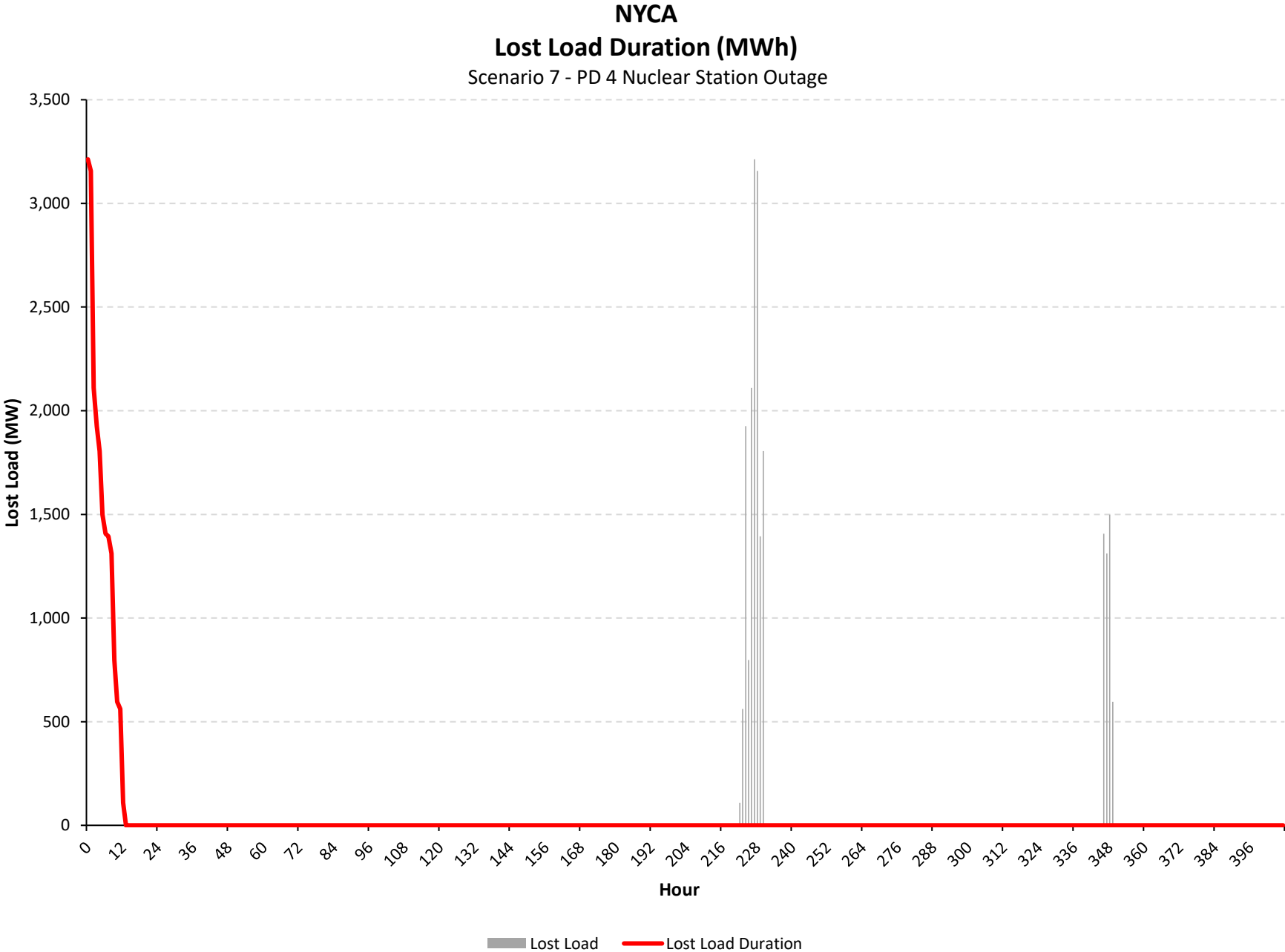
**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 7 - PD 4 Nuclear Station Outage



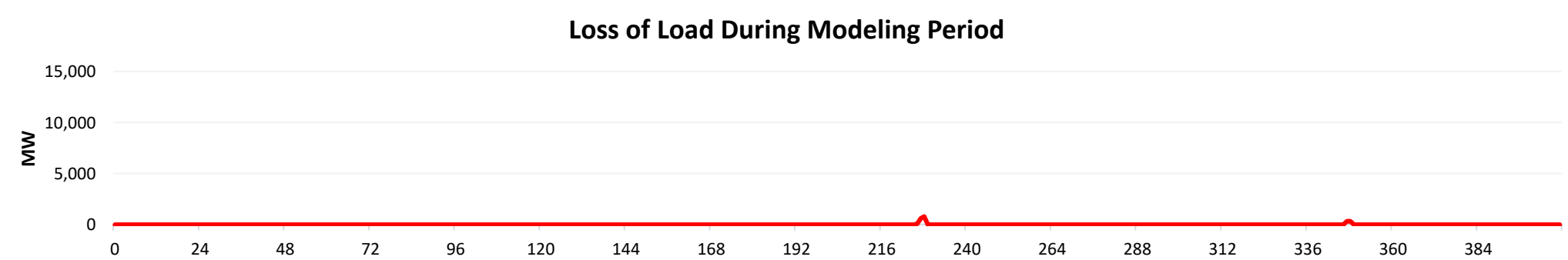
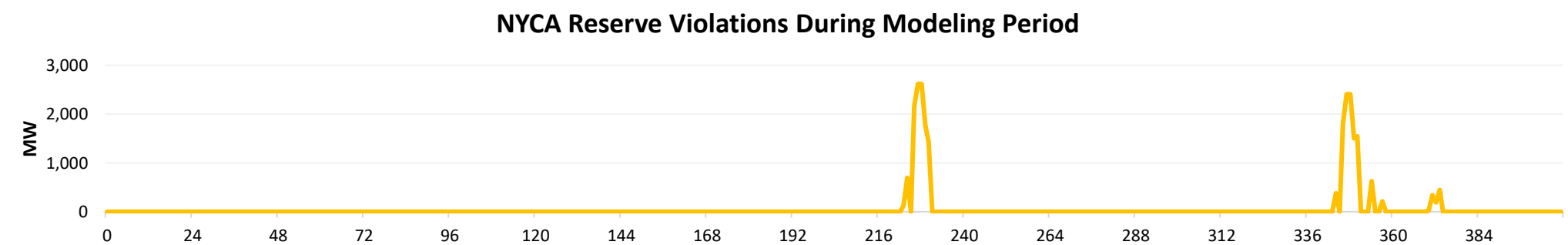
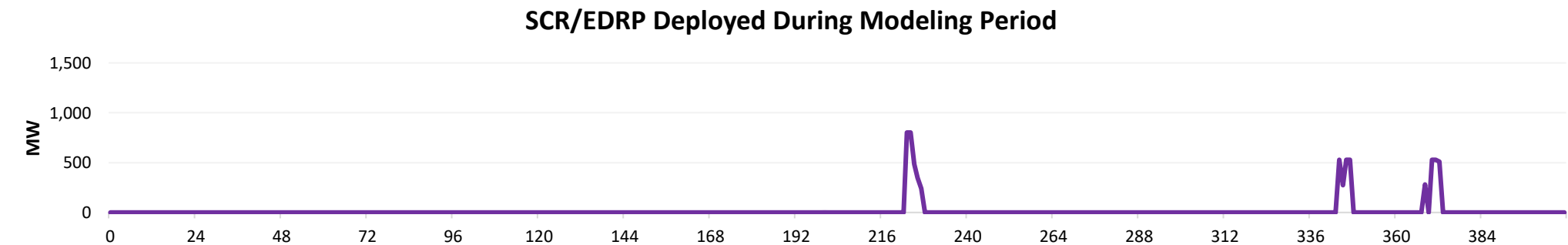
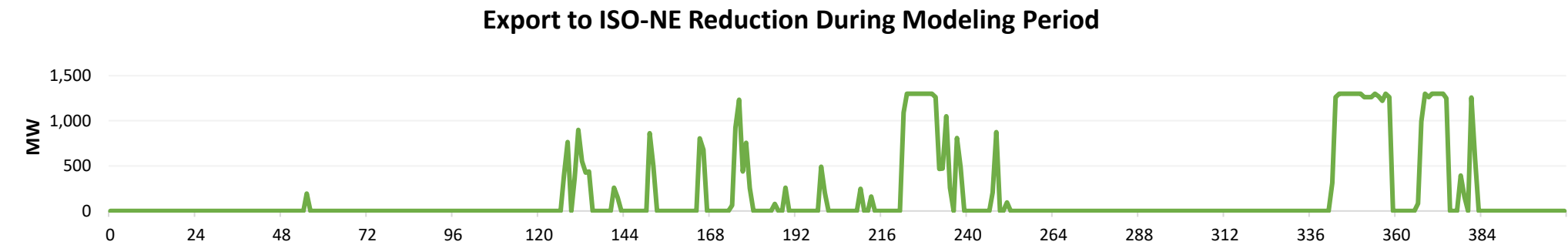
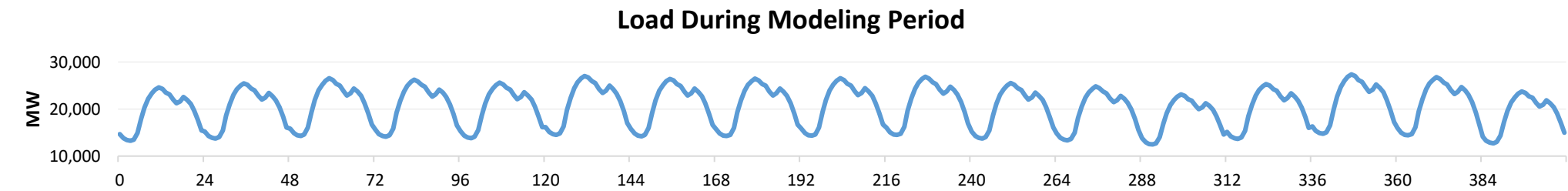


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 5 No Truck Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 75     |
| Total MWh         | 63,110 |
| Avg. MW           | 154.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 13    |
| Total MWh      | 6,377 |
| Avg. MW        | 15.6  |

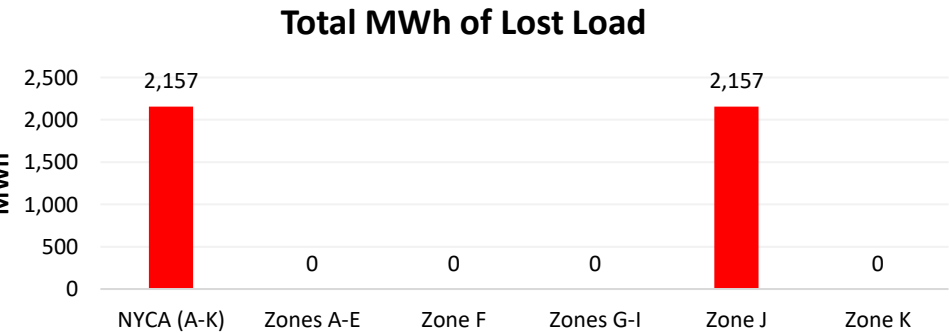
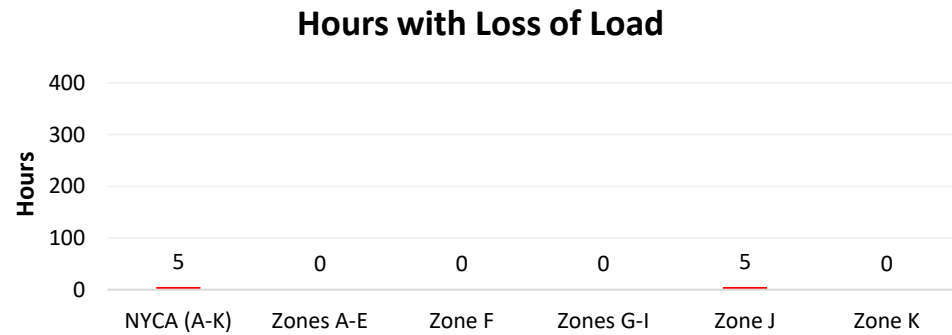
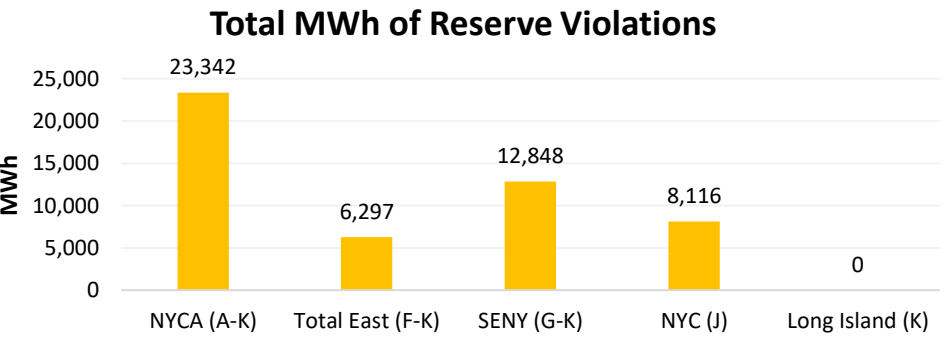
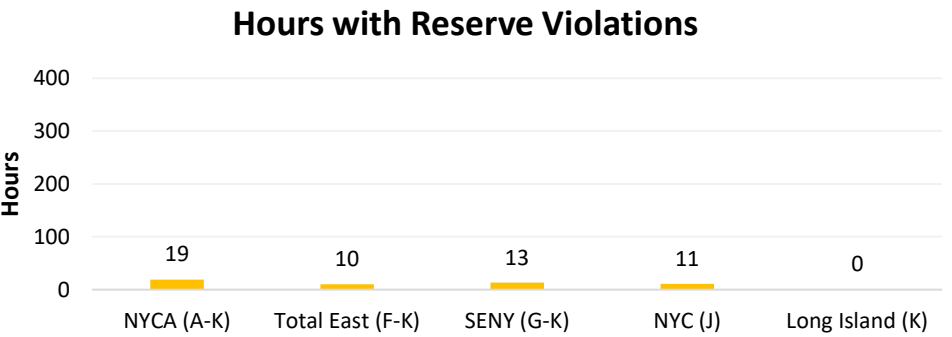
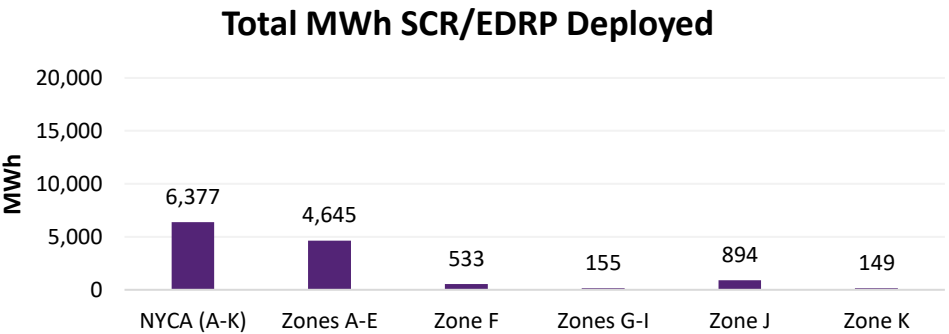
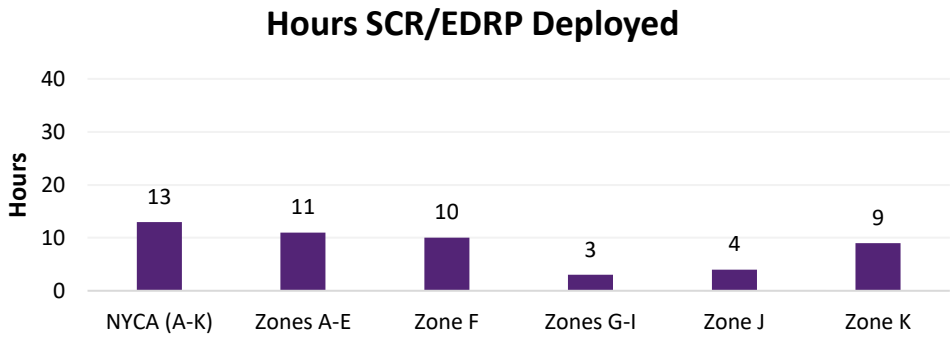
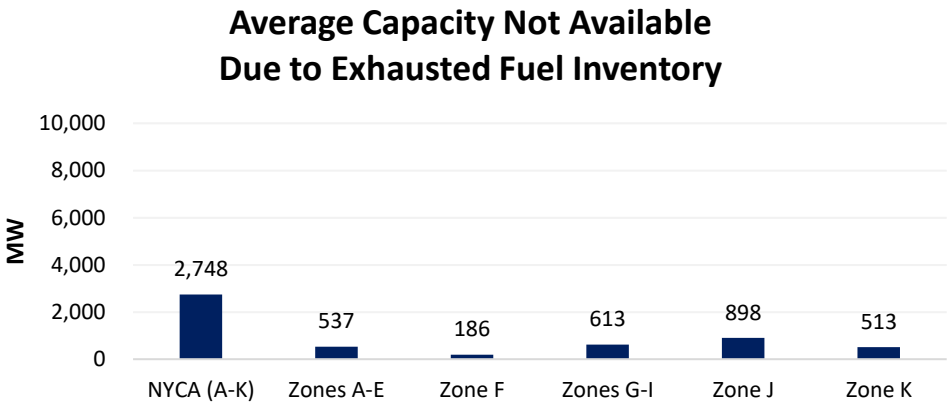
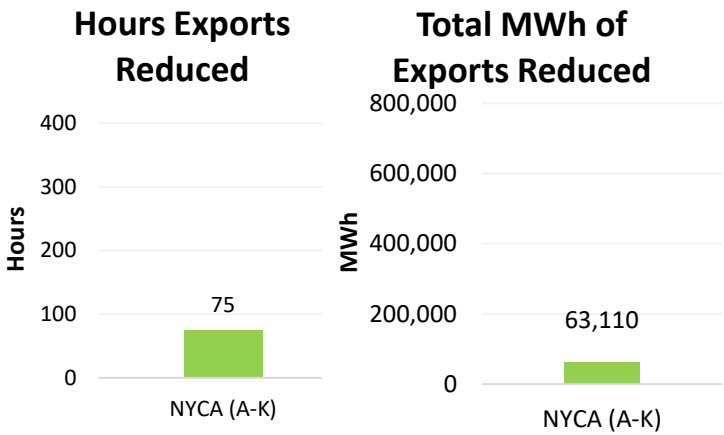
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 19     |
| Total MWh             | 23,342 |
| Avg. MW               | 57.2   |
| First Hour with Viol. | 223    |

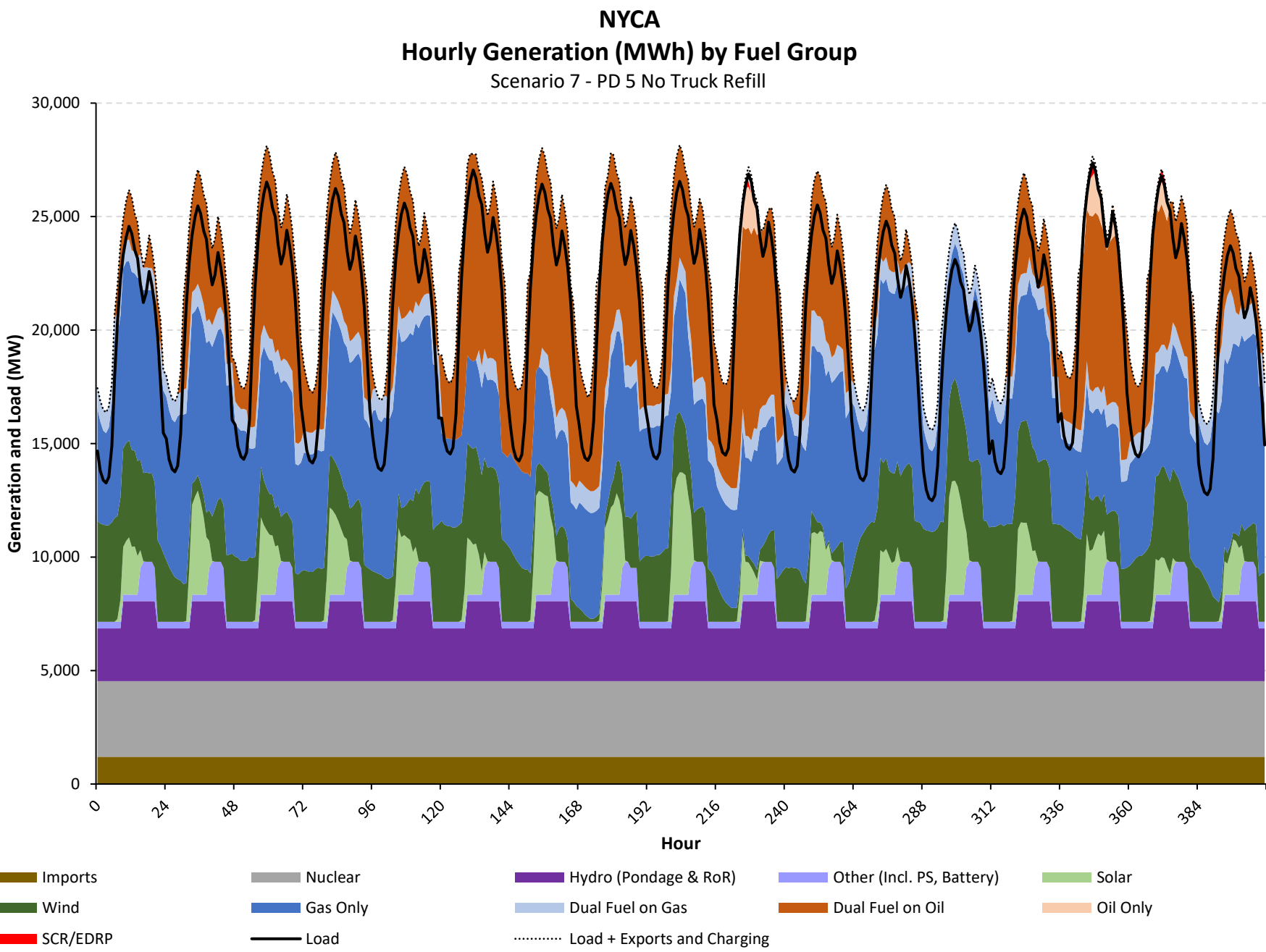
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 5     |
| Total MWh              | 2,157 |
| Avg. MW                | 5.3   |
| First Hour with Losses | 226   |

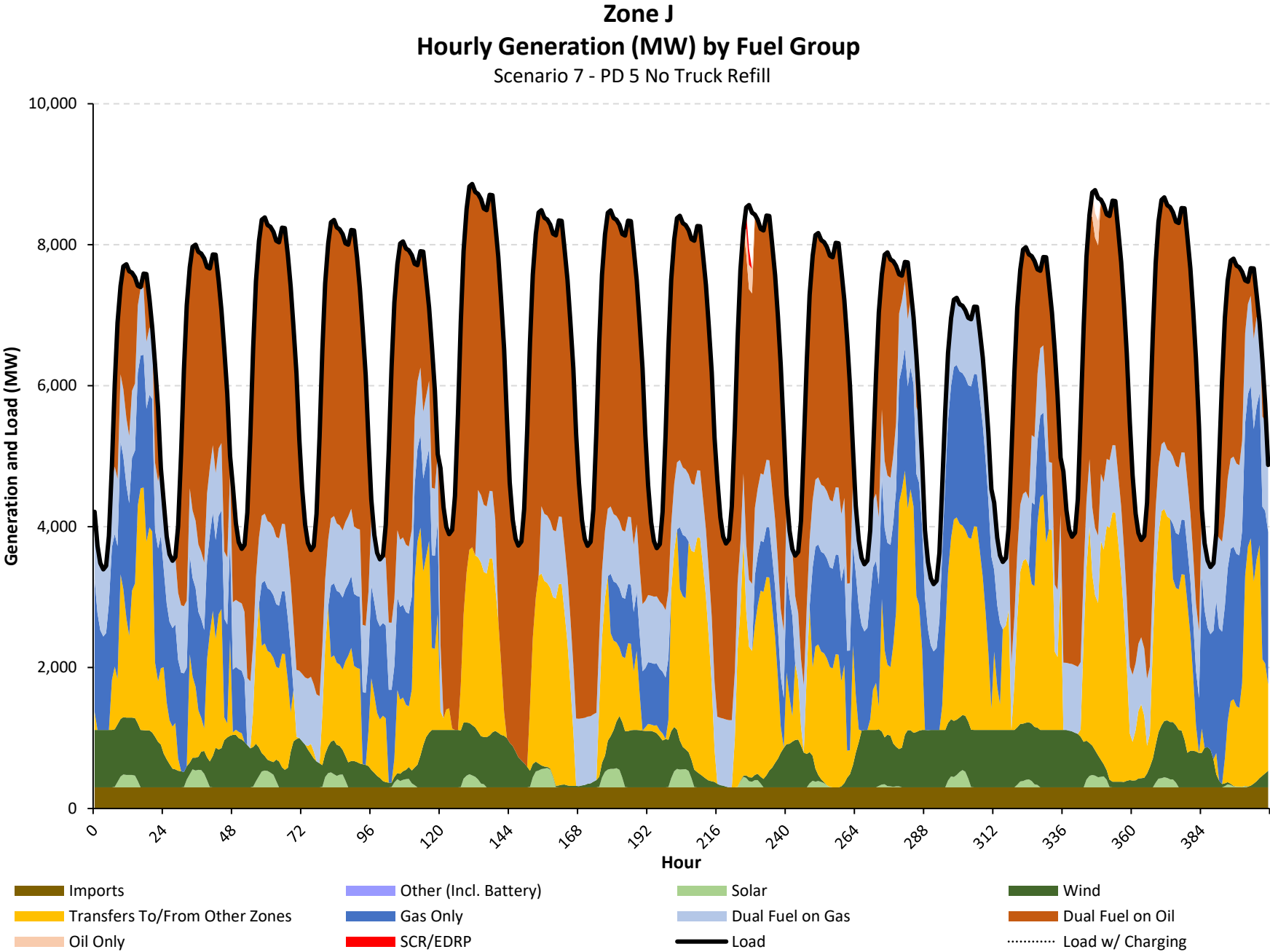
Full Period Results Summary

Case Name: Scenario 7 - PD 5 No Truck Refill

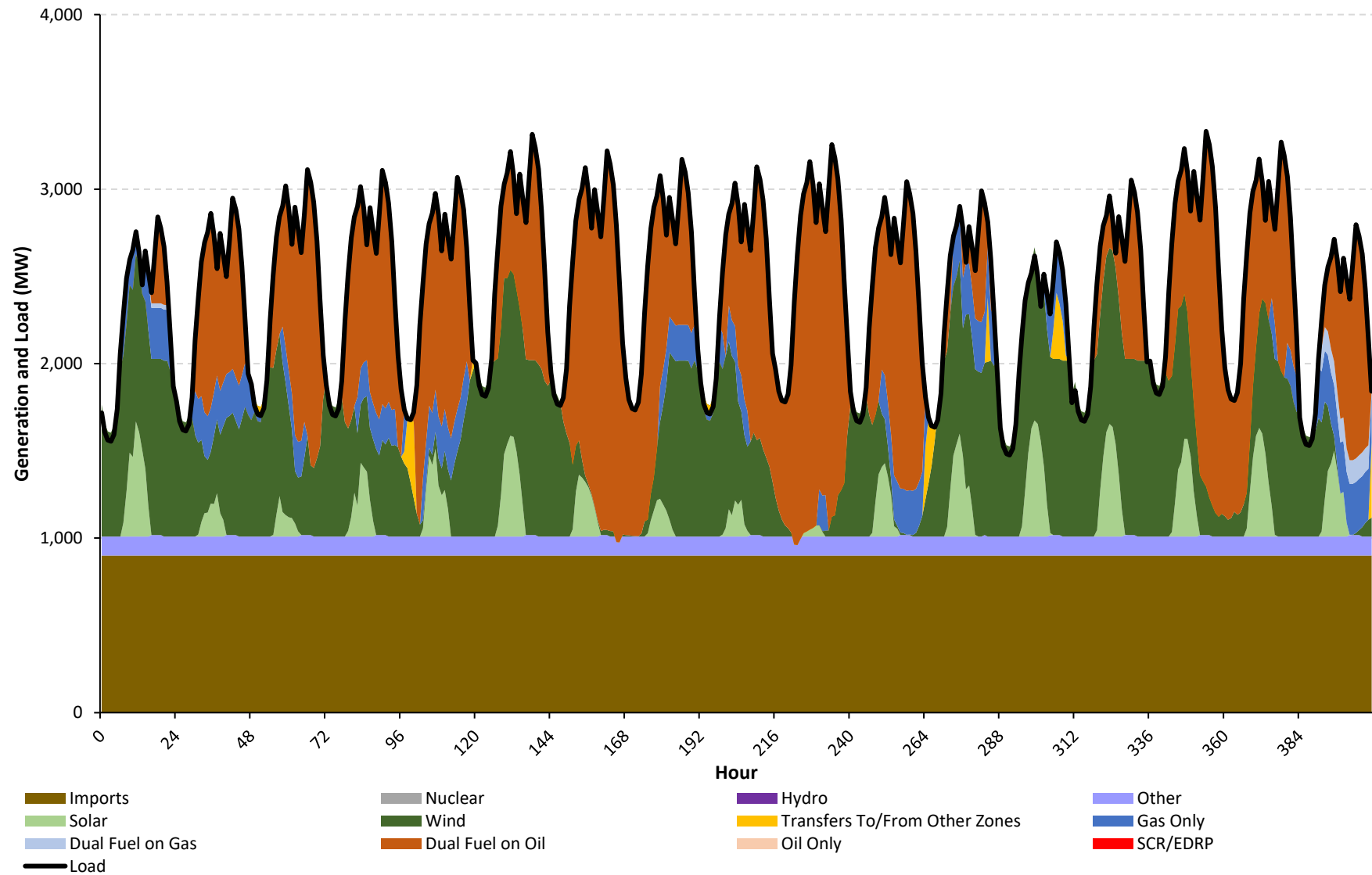
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |





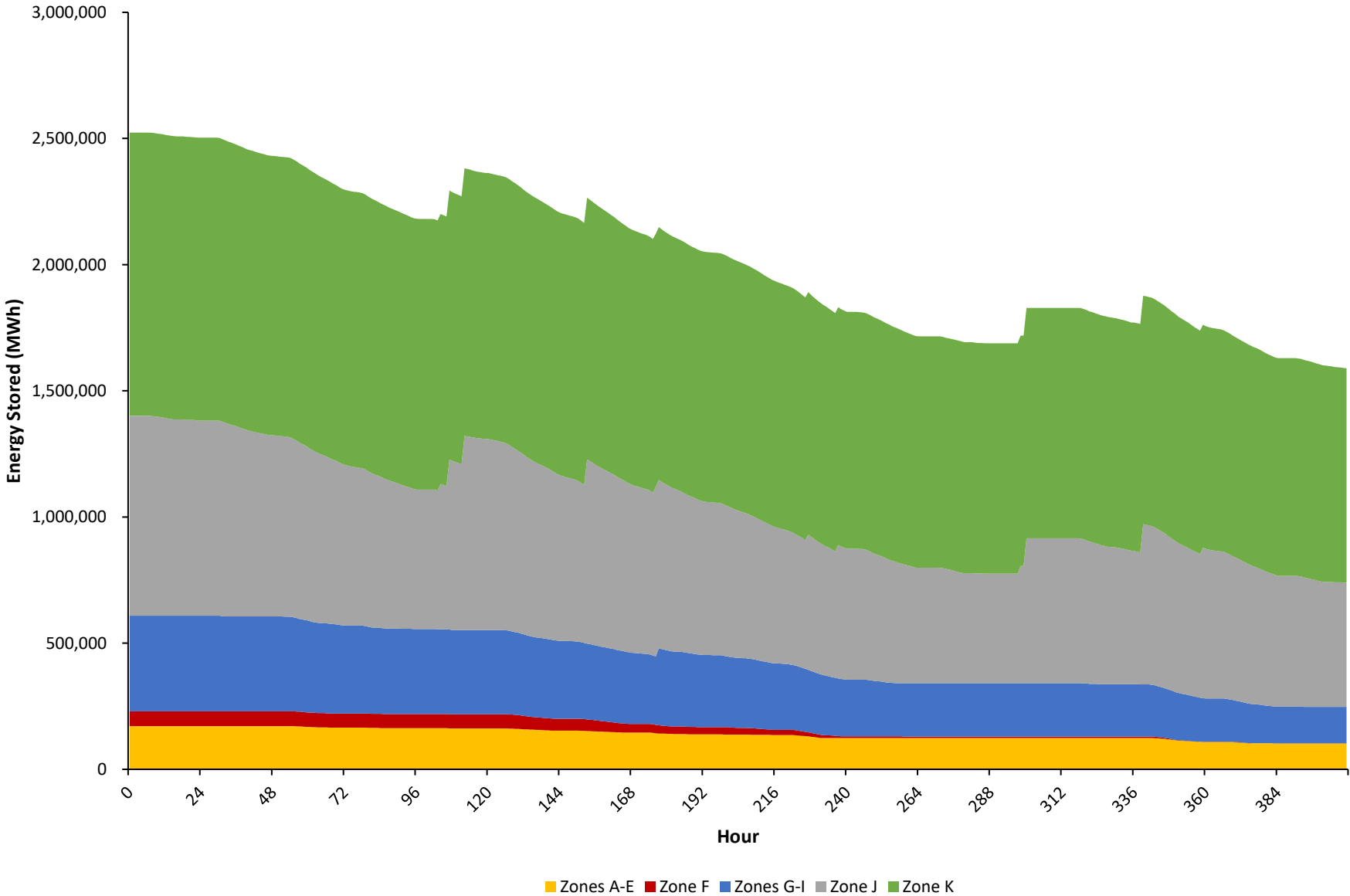


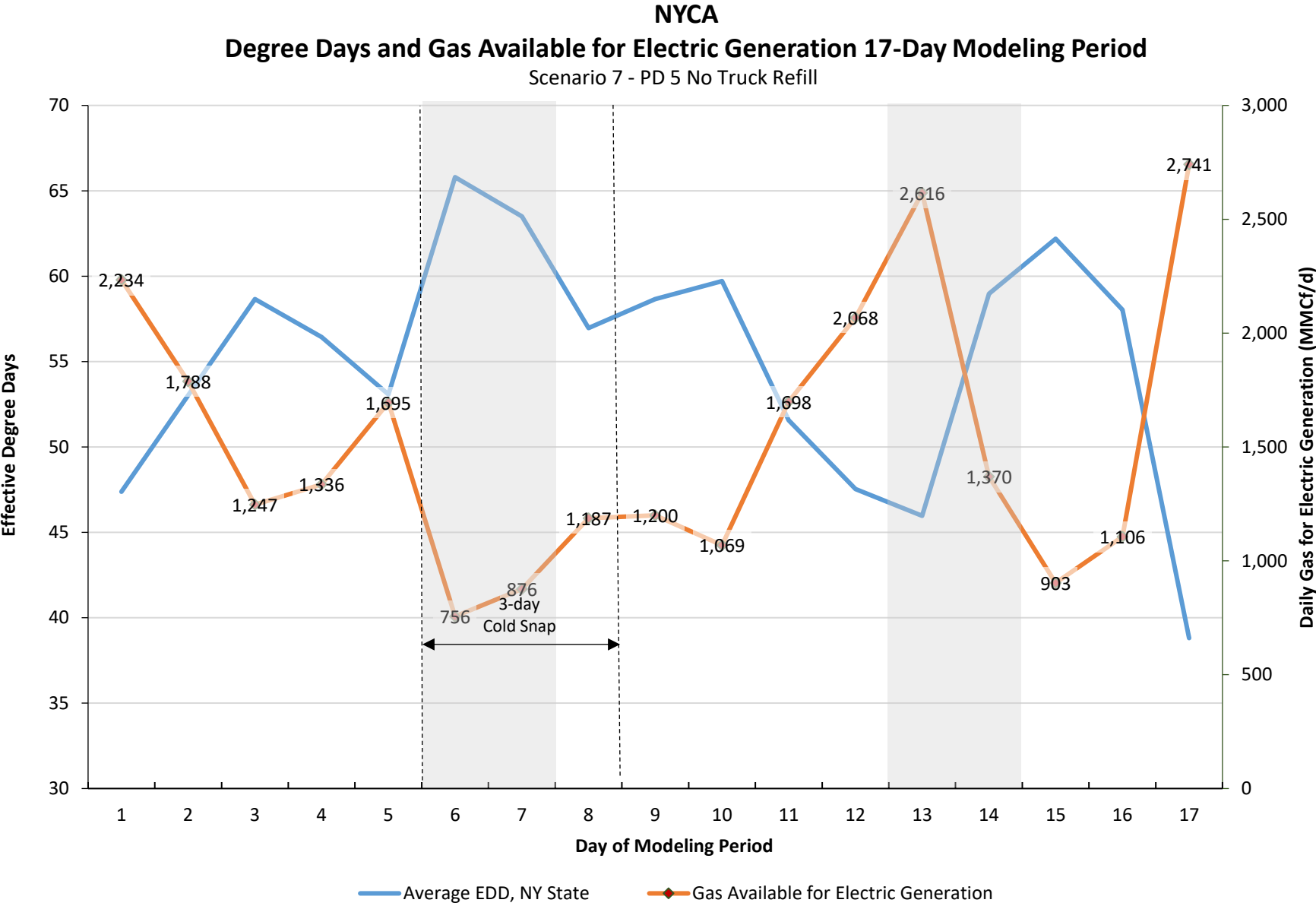
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 5 No Truck Refill



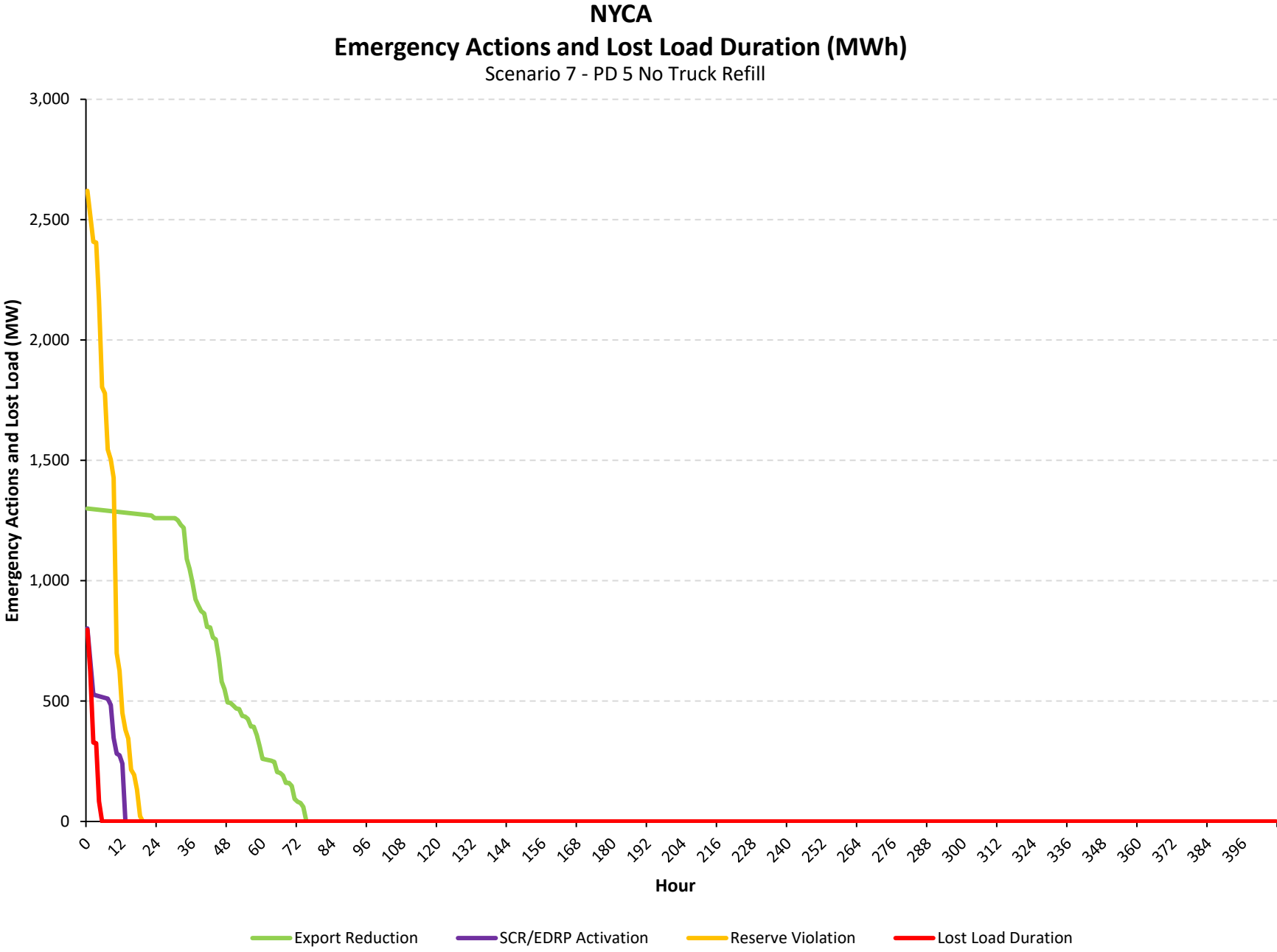


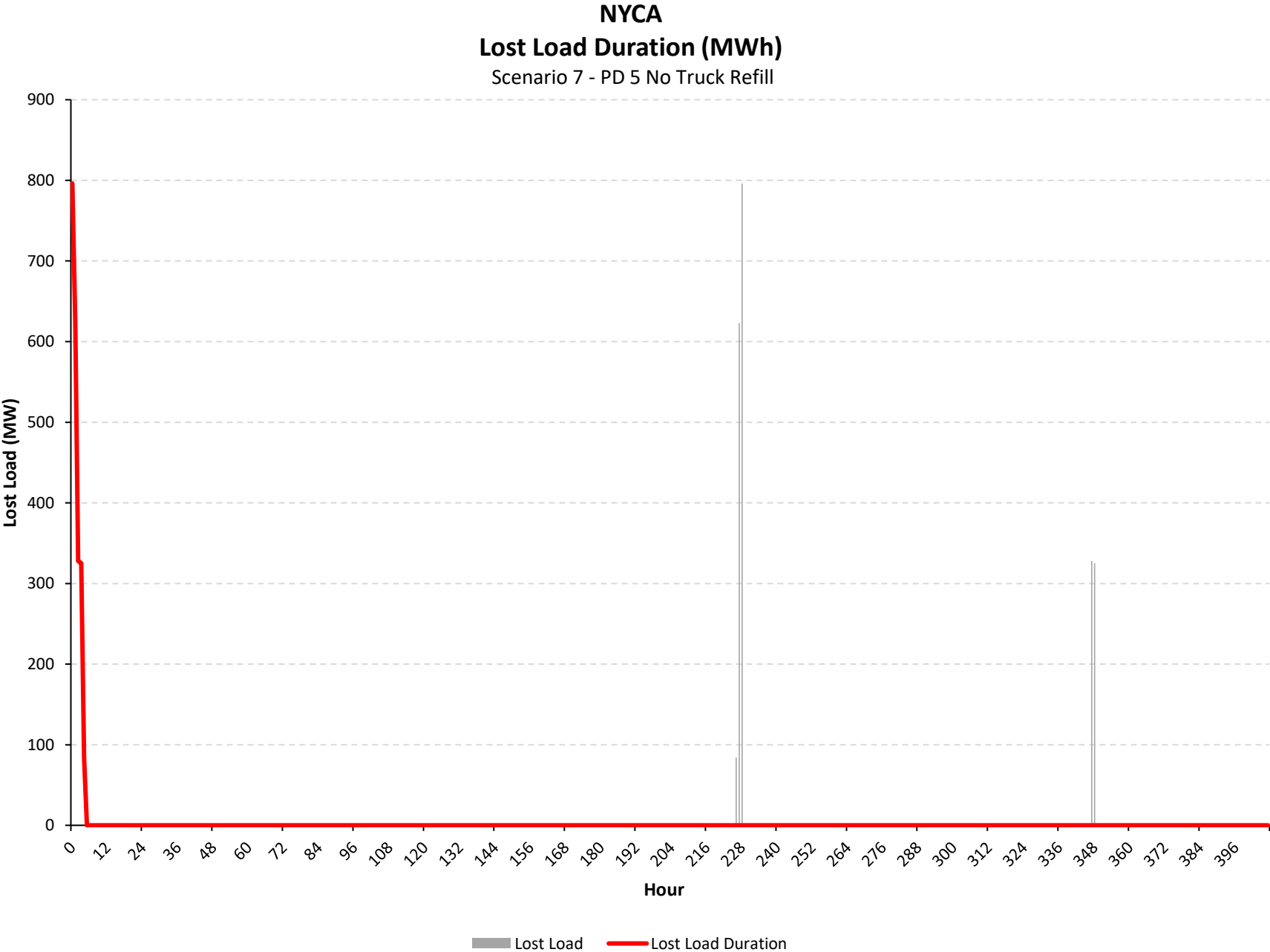
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 7 - PD 5 No Truck Refill





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



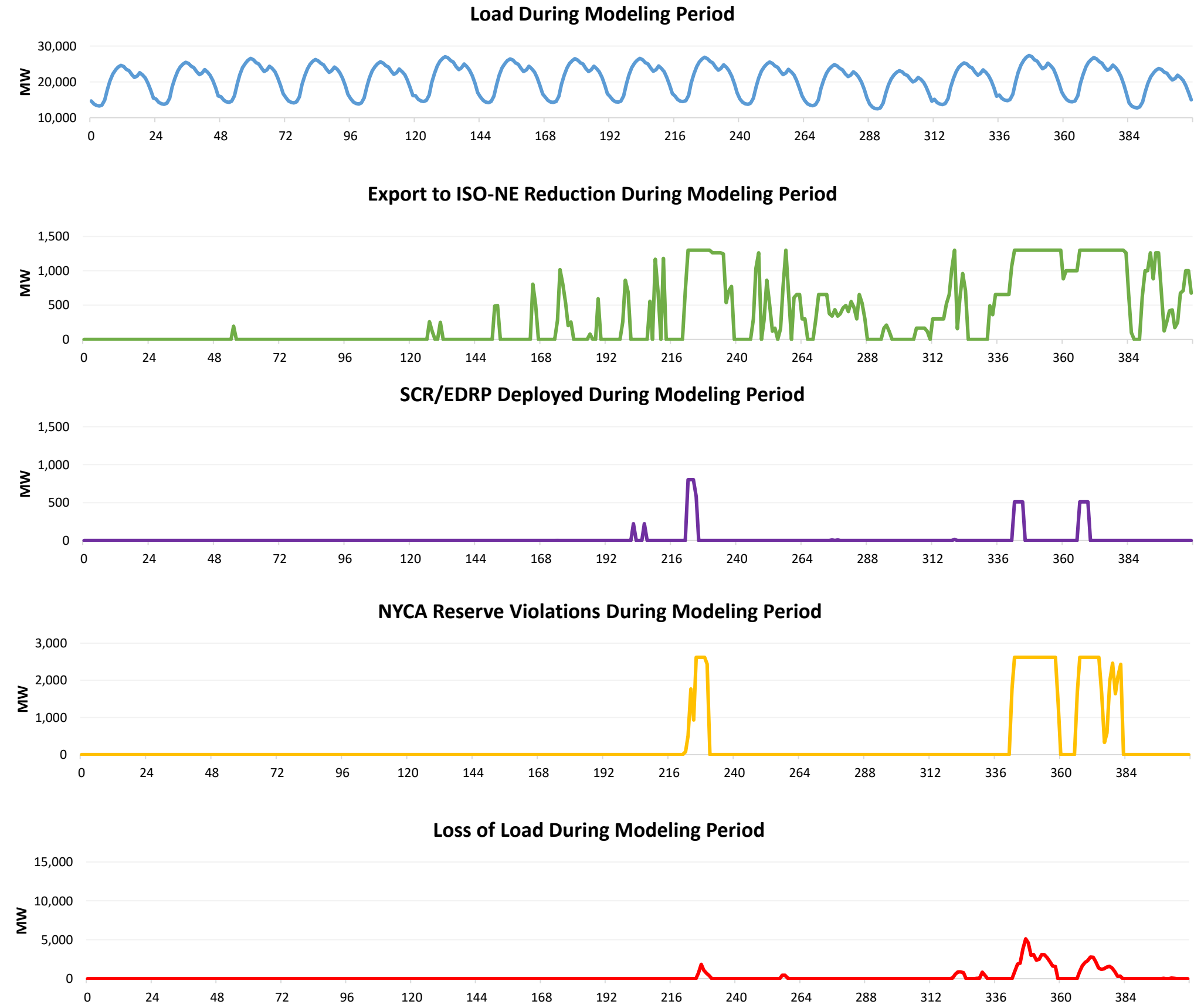


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 6 No Barge Refill



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | No Barge |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | All      |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 170     |
| Total MWh         | 133,404 |
| Avg. MW           | 327.0   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 17    |
| Total MWh      | 7,544 |
| Avg. MW        | 18.5  |

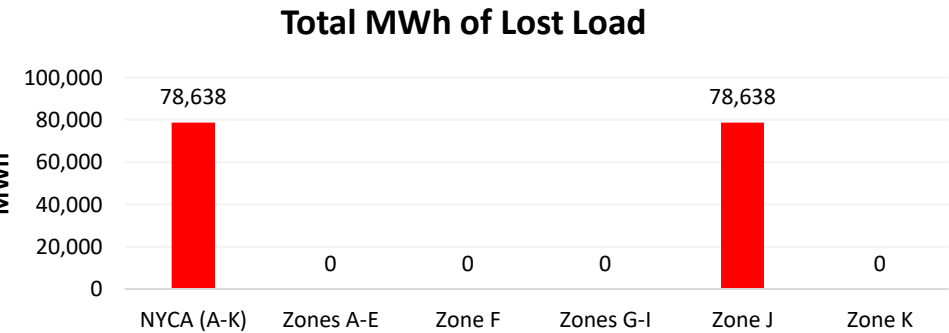
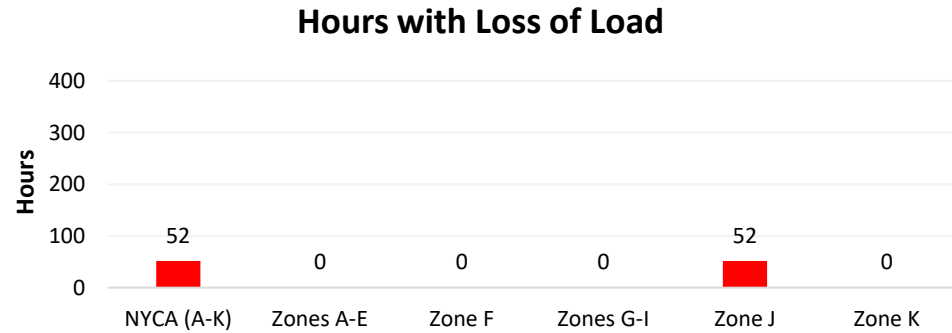
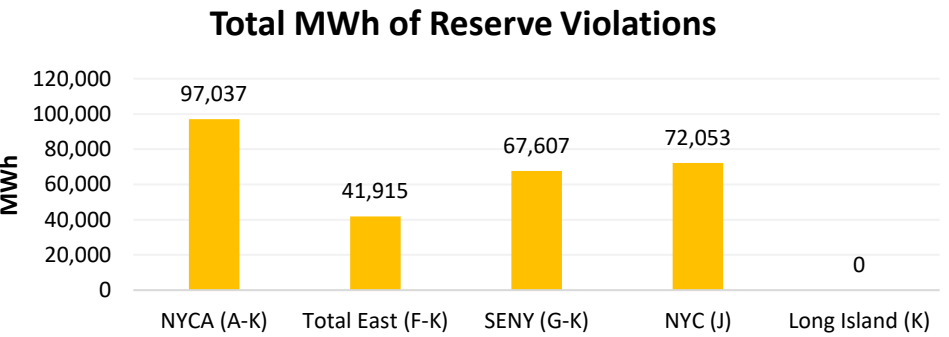
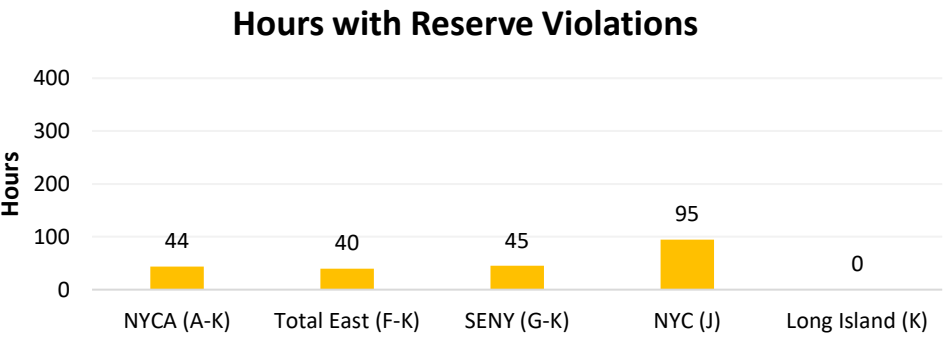
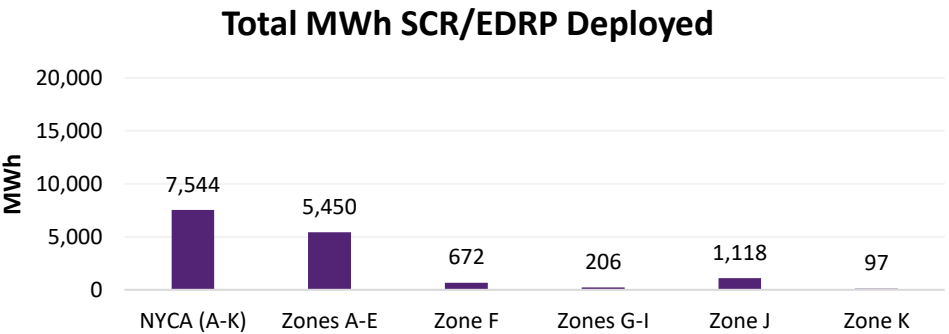
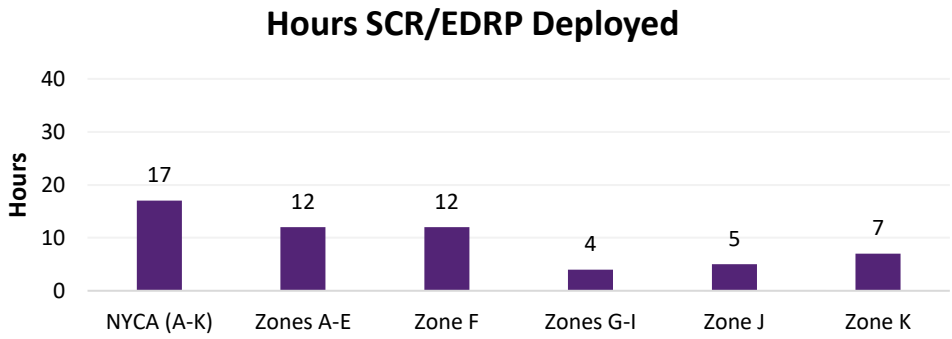
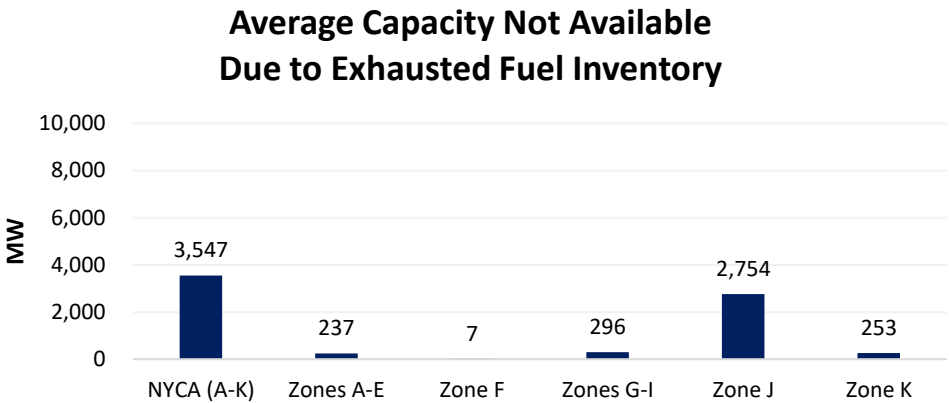
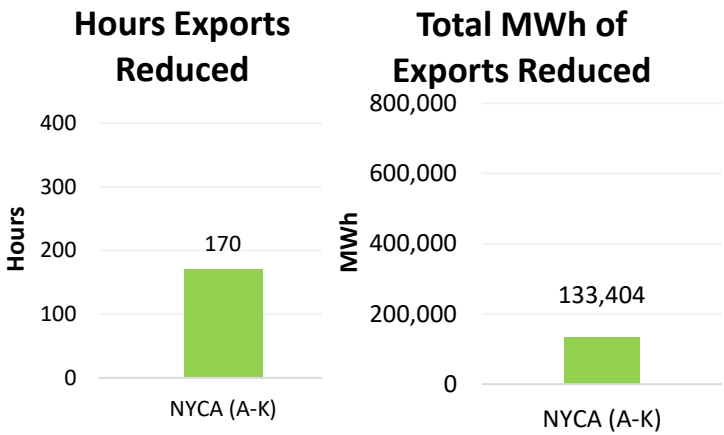
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 44     |
| Total MWh             | 97,037 |
| Avg. MW               | 237.8  |
| First Hour with Viol. | 202    |

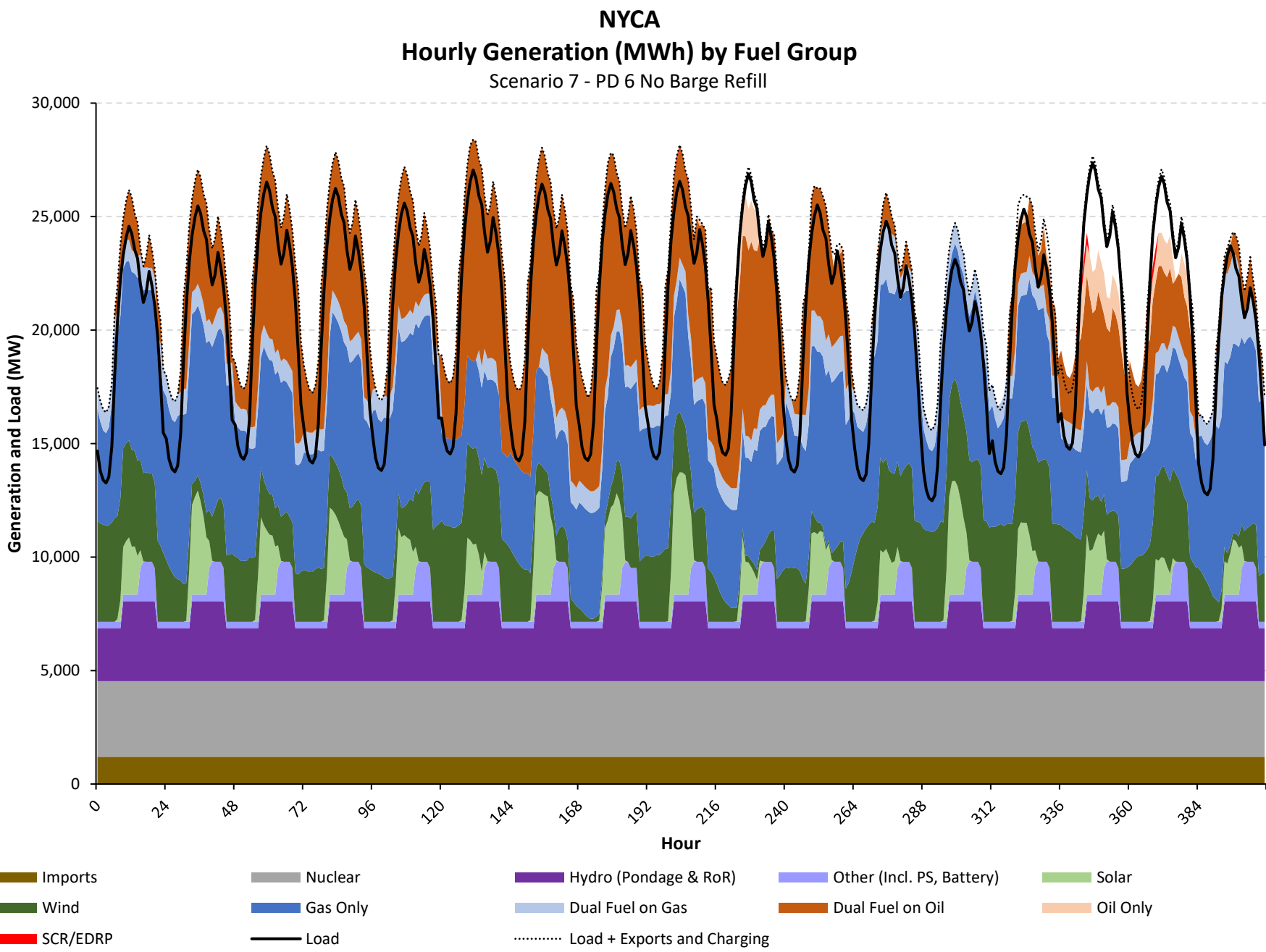
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 52     |
| Total MWh              | 78,638 |
| Avg. MW                | 192.7  |
| First Hour with Losses | 226    |

Full Period Results Summary

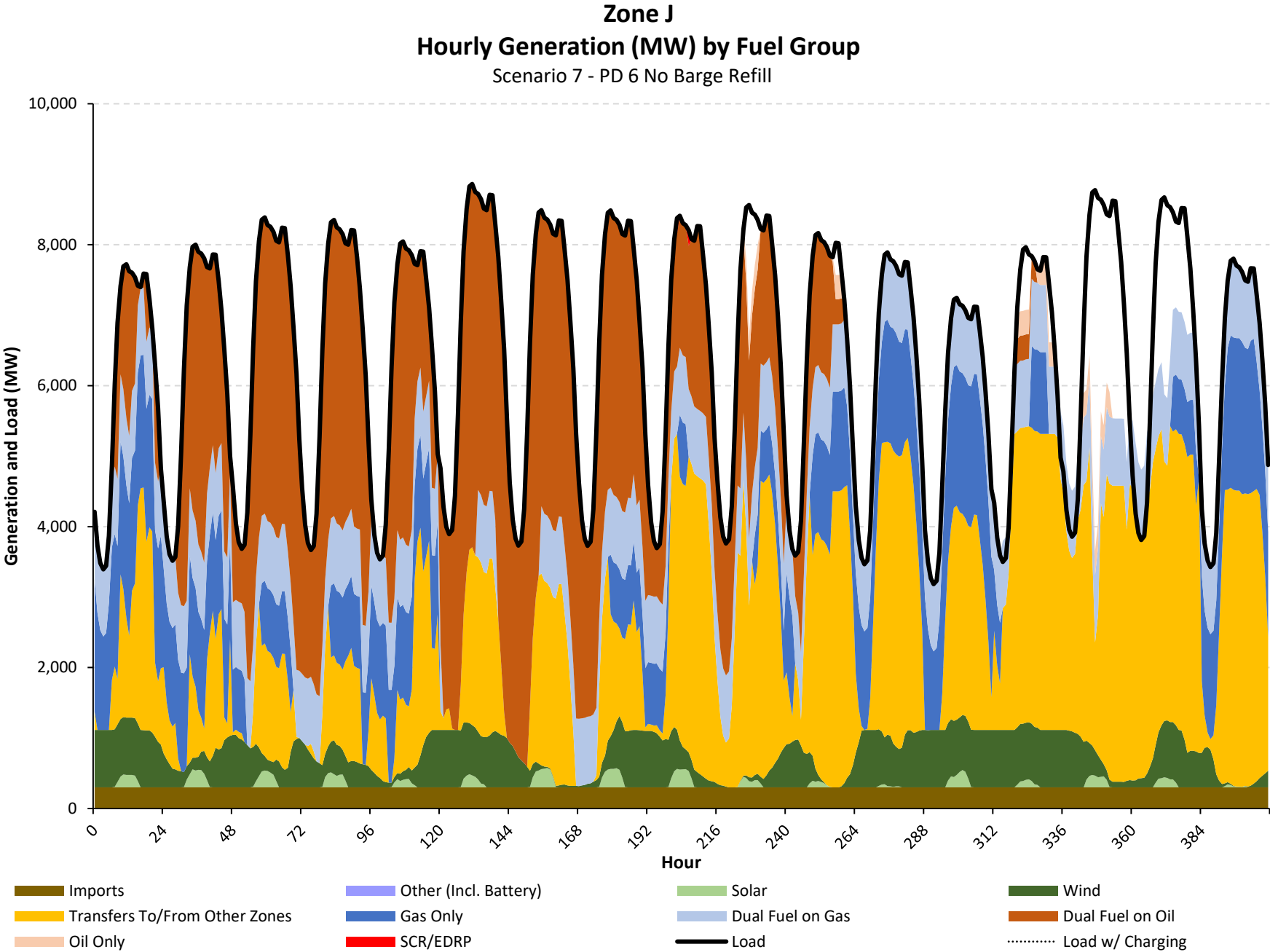
Case Name: Scenario 7 - PD 6 No Barge Refill

| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | No Barge |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | All      |

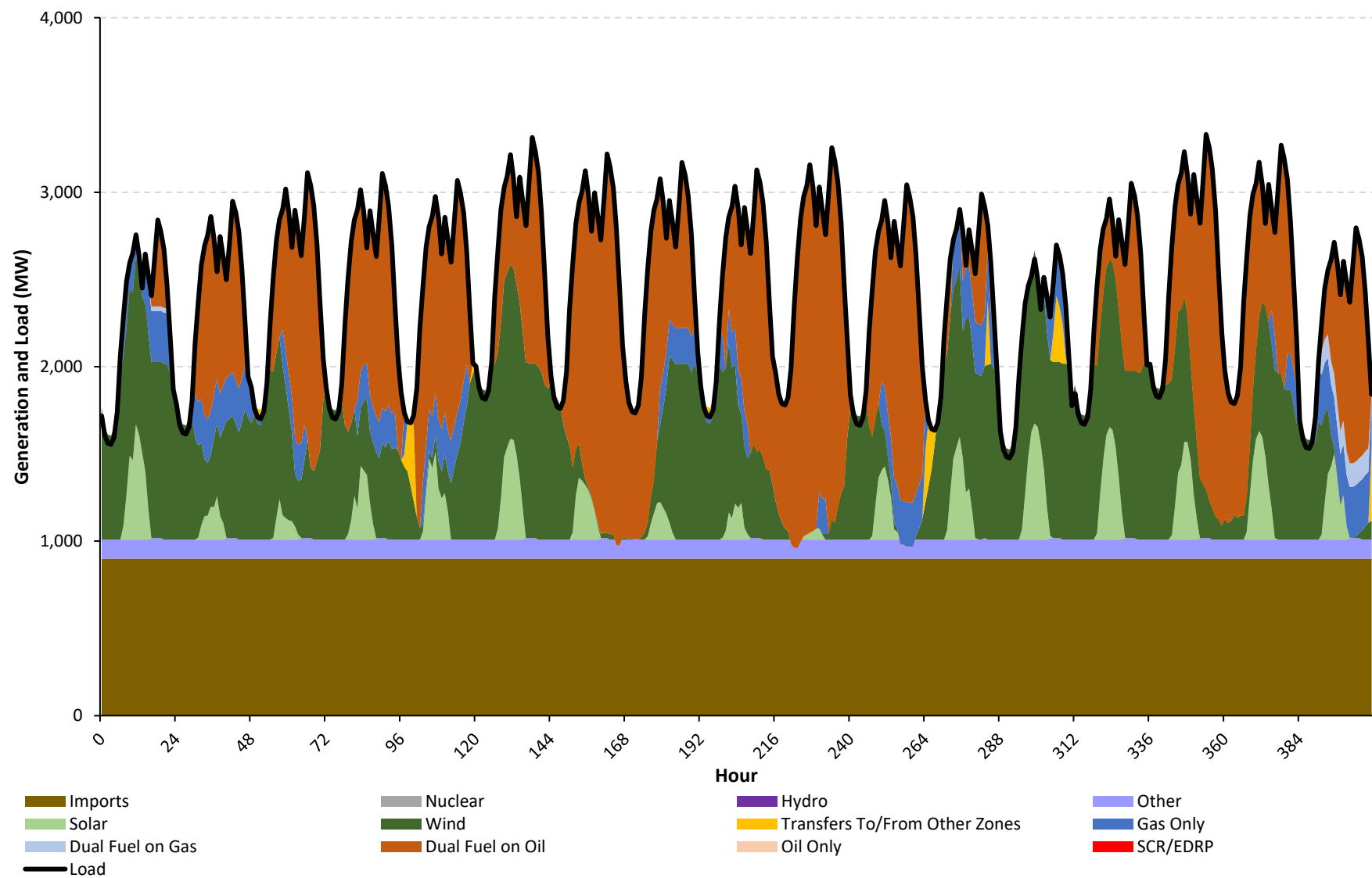


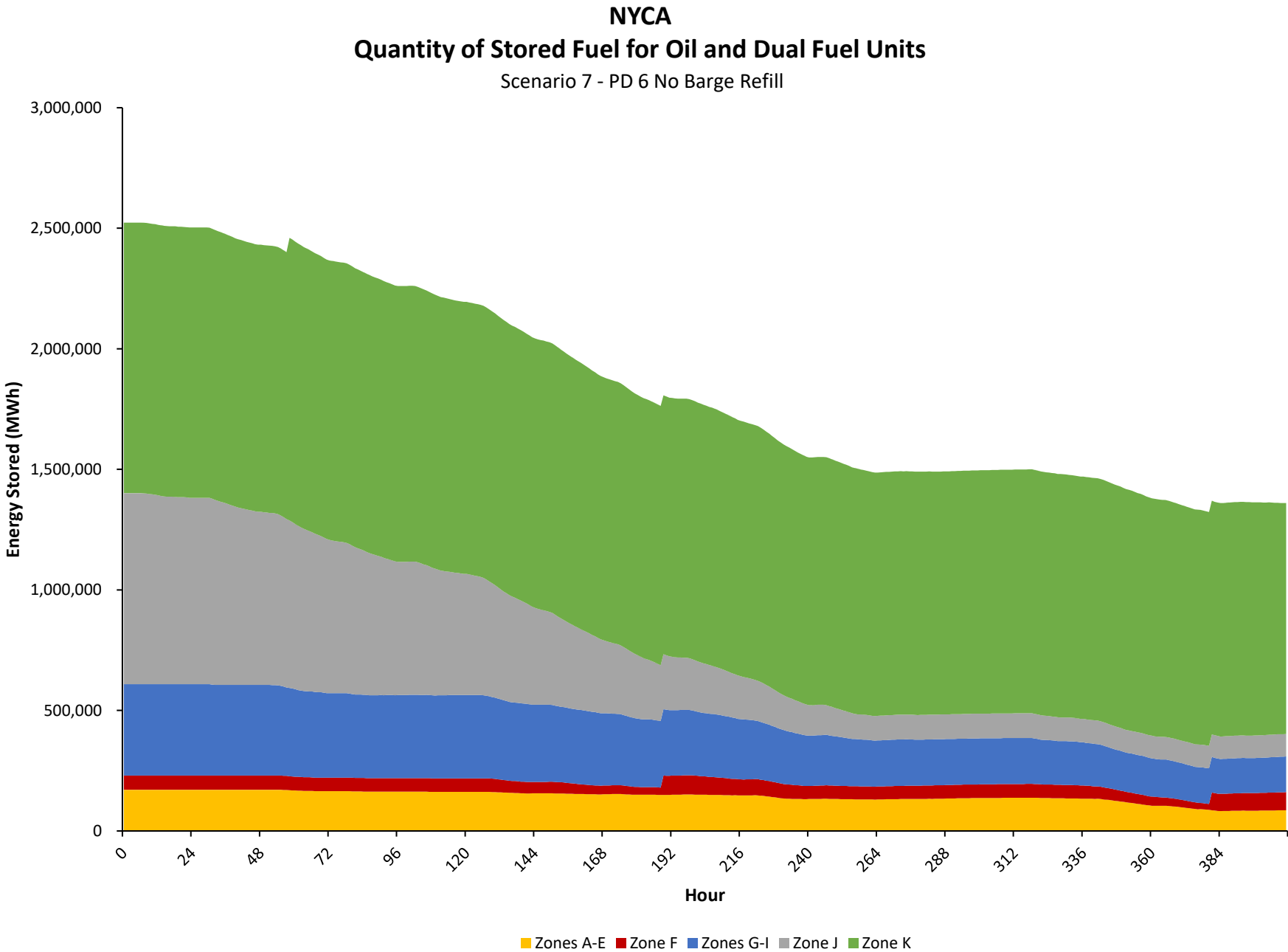






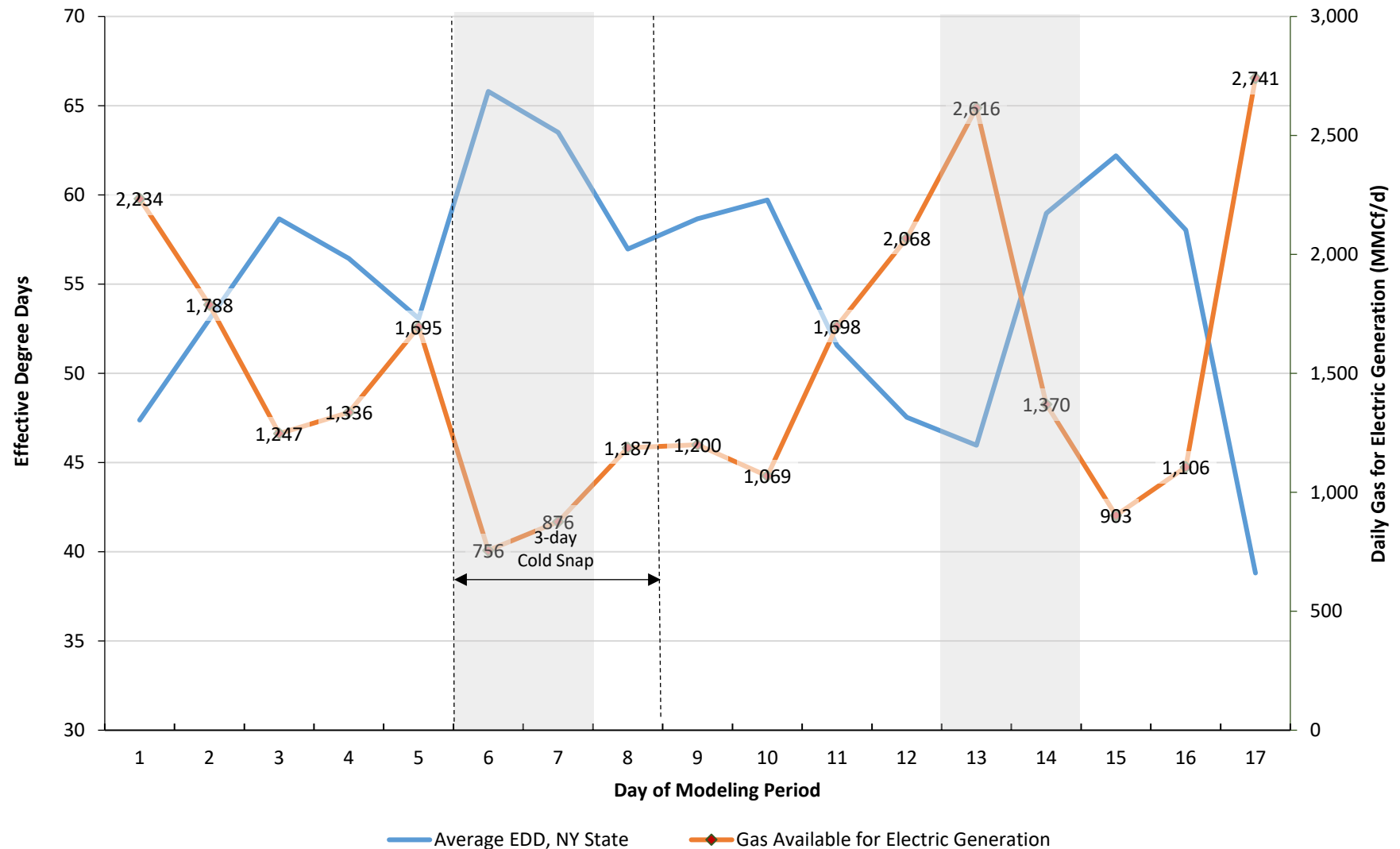
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 6 No Barge Refill





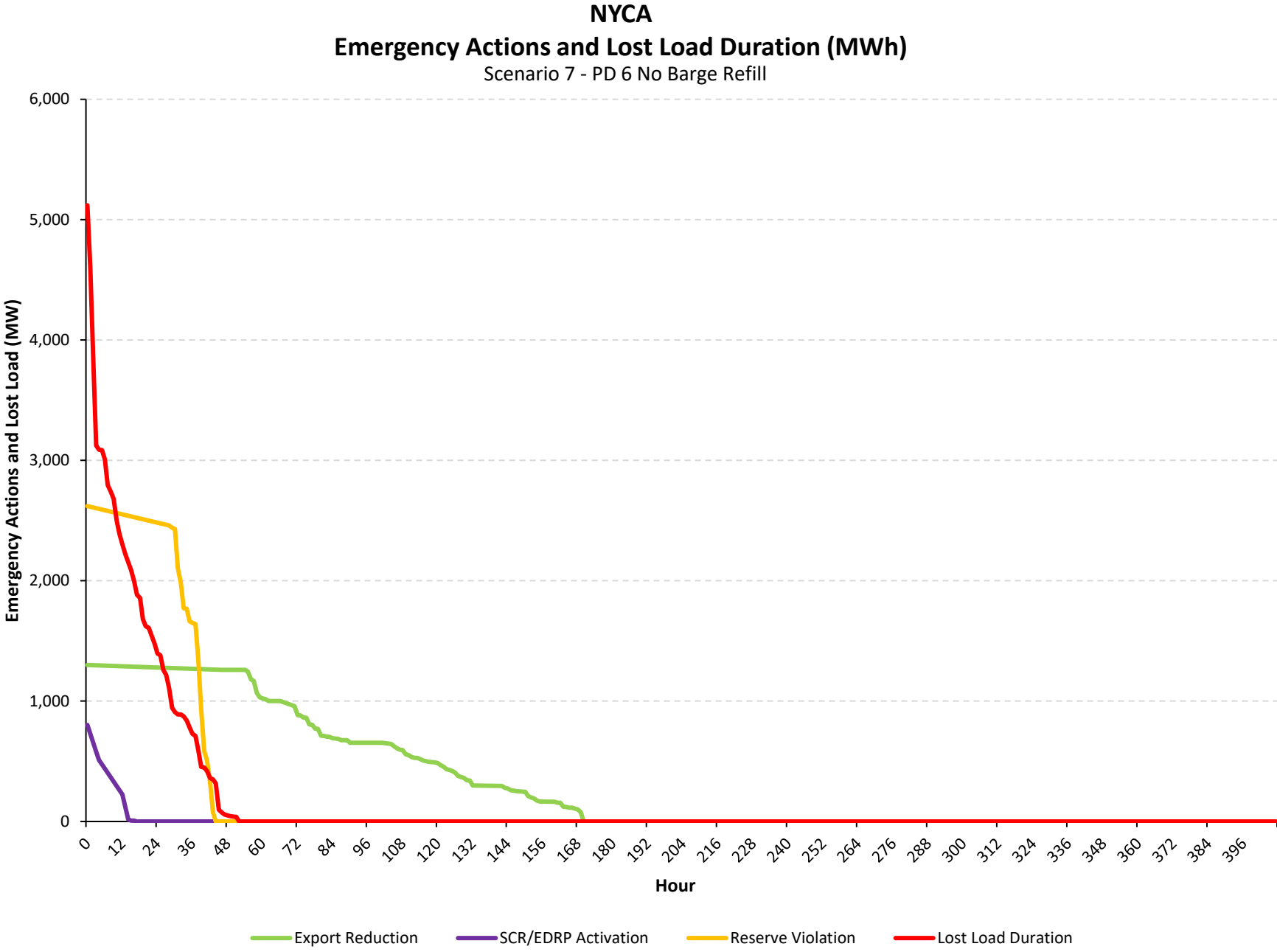
# **NYCA** **Degree Days and Gas Available for Electric Generation 17-Day Modeling Period**

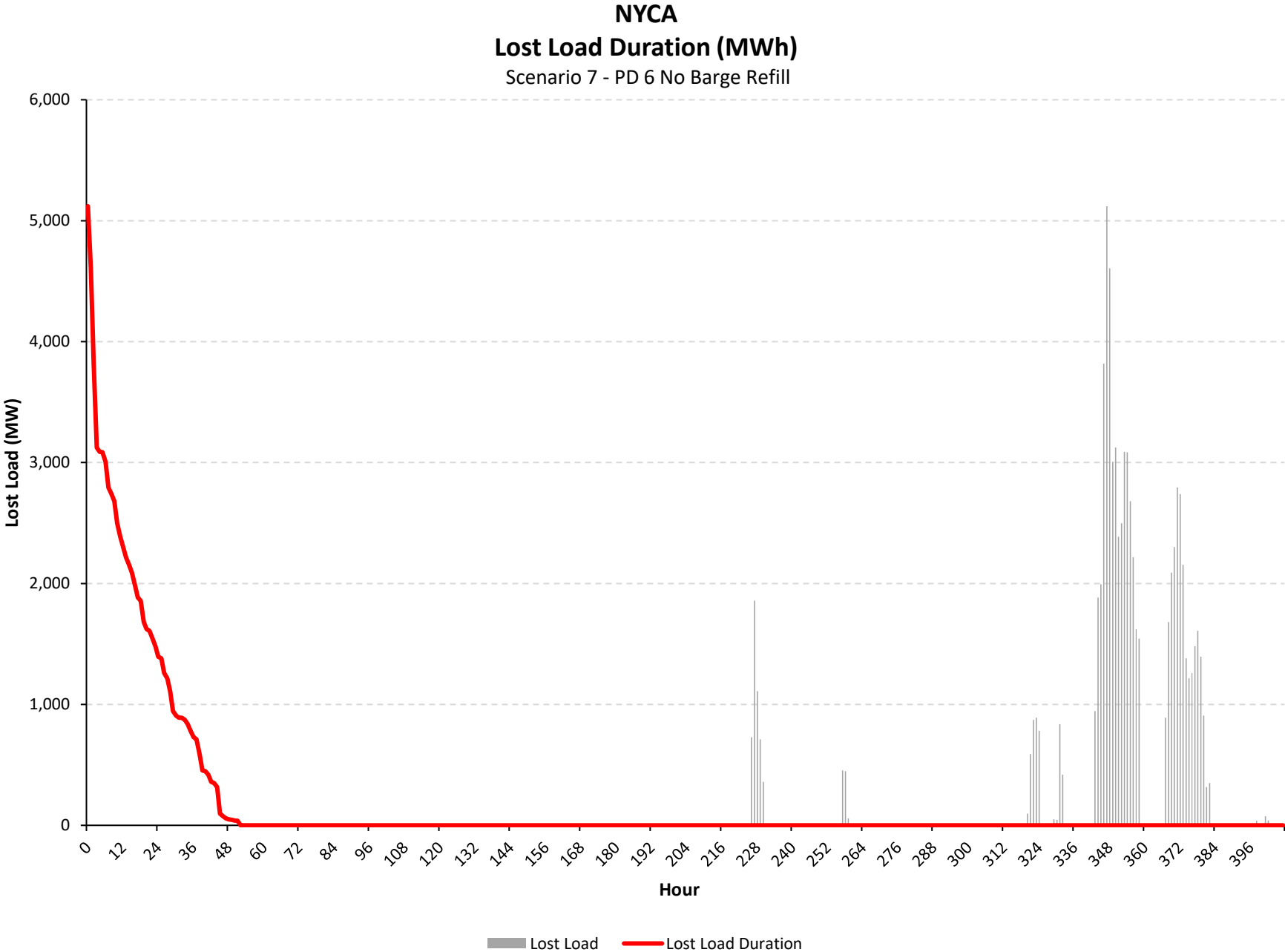
Scenario 7 - PD 6 No Barge Refill



**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



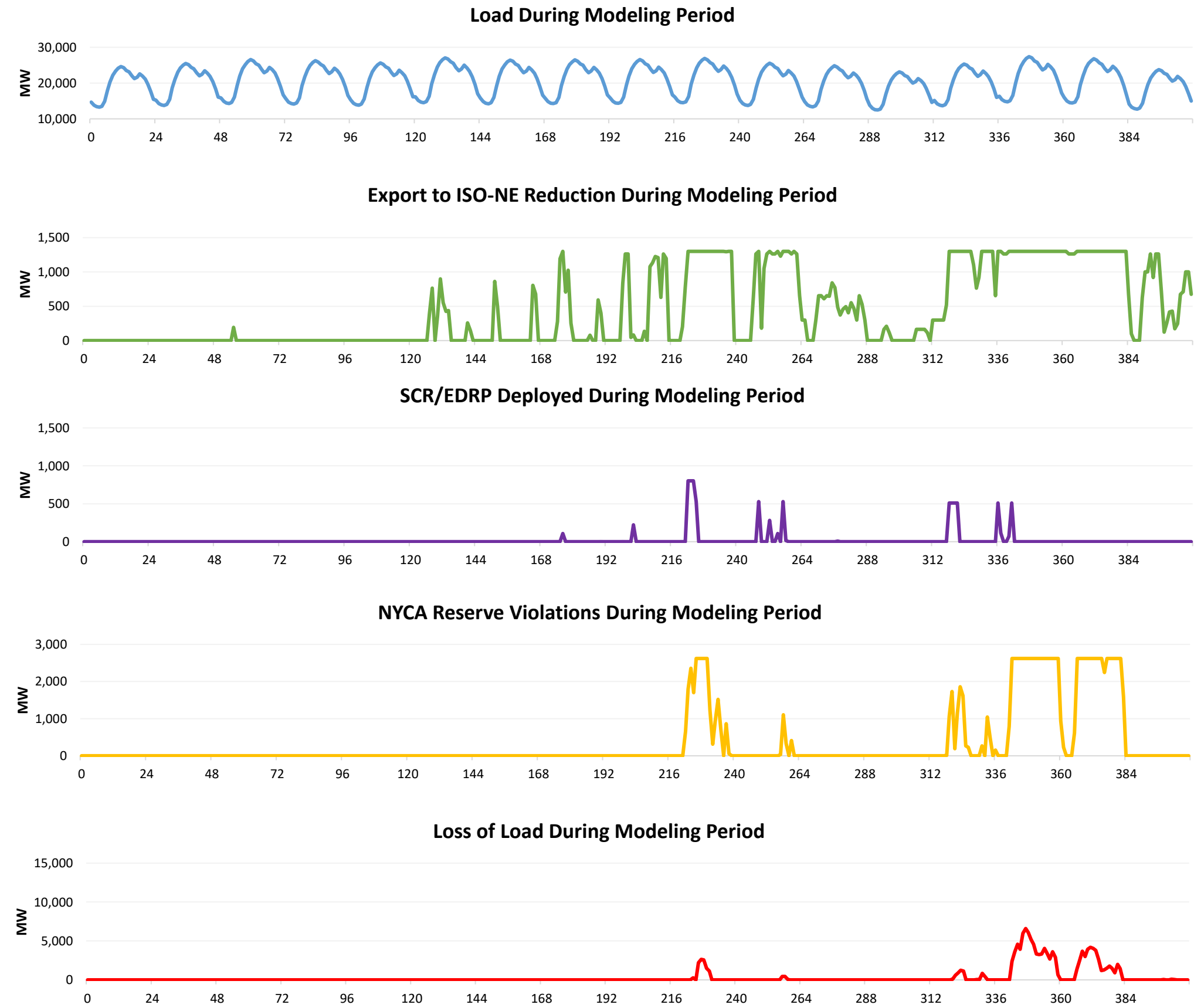


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 7 No Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 195     |
| Total MWh         | 180,313 |
| Avg. MW           | 441.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 20    |
| Total MWh      | 7,974 |
| Avg. MW        | 19.5  |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 73      |
| Total MWh             | 132,646 |
| Avg. MW               | 325.1   |
| First Hour with Viol. | 202     |

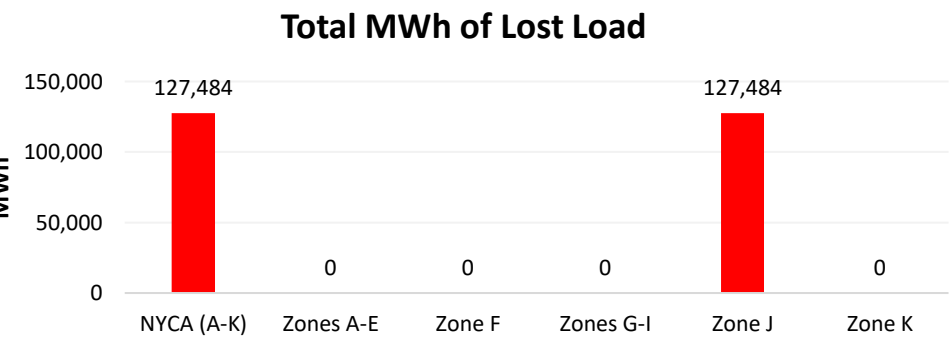
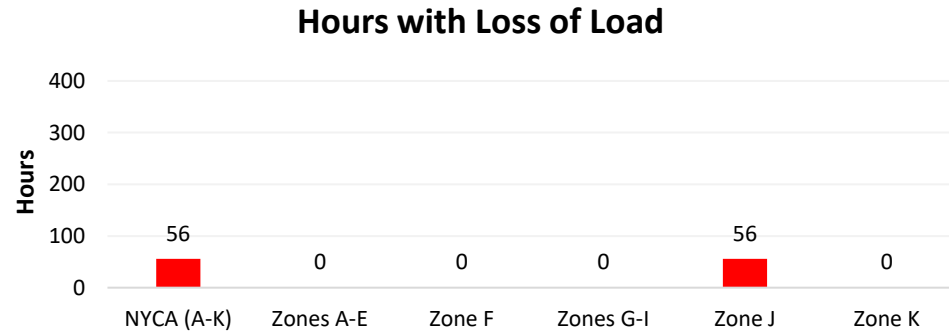
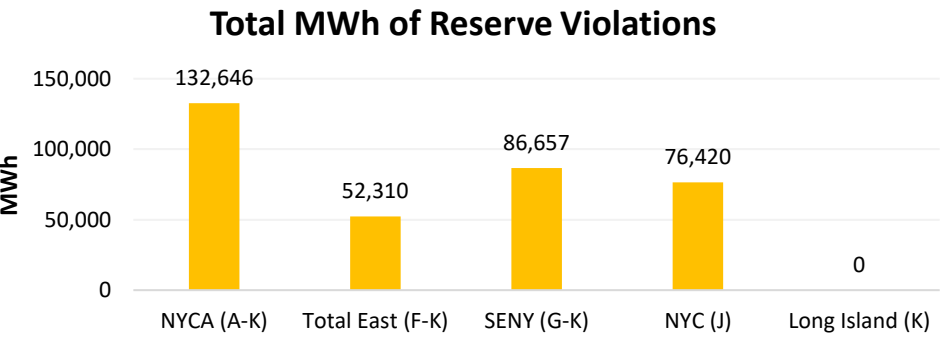
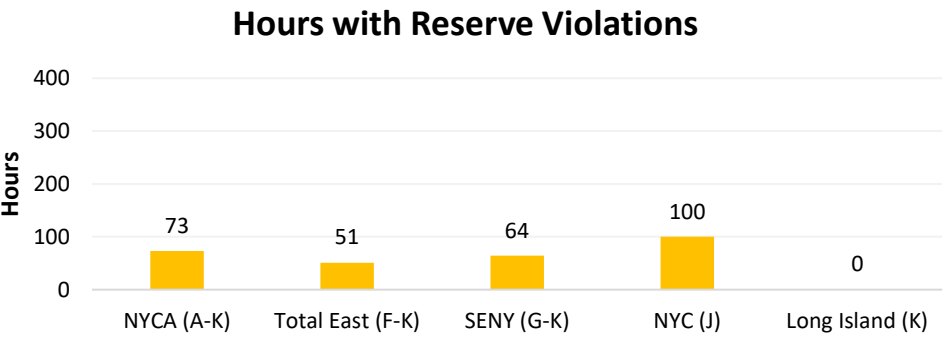
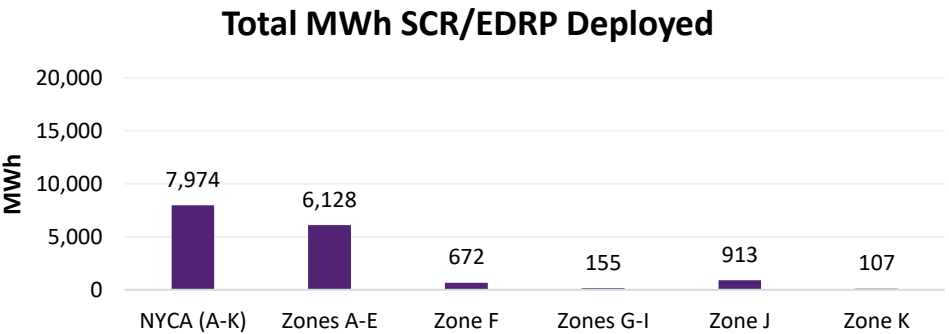
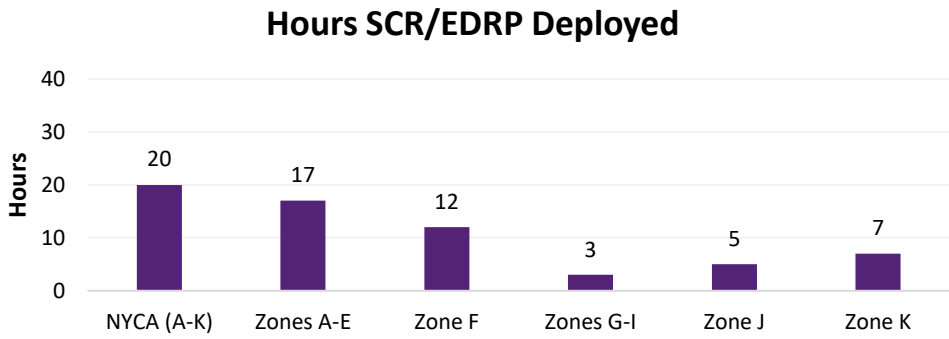
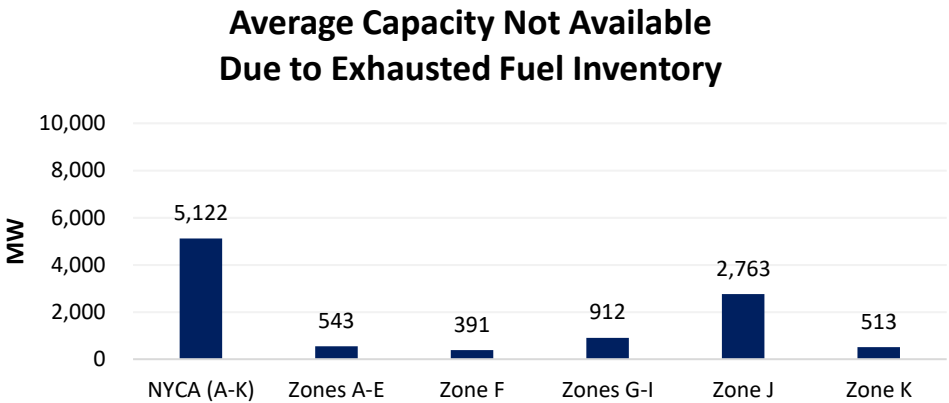
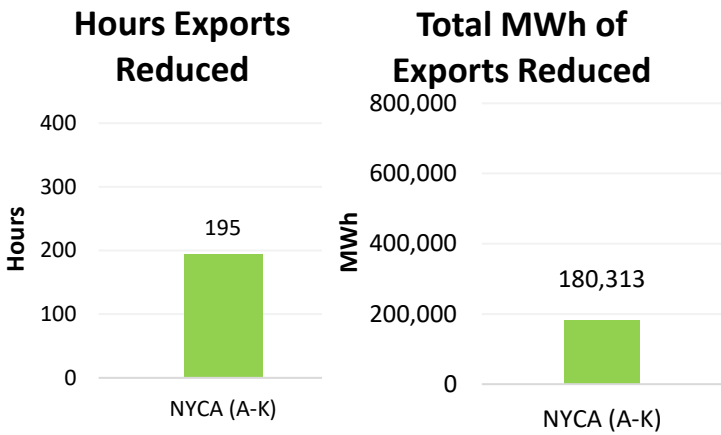
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 56      |
| Total MWh              | 127,484 |
| Avg. MW                | 312.5   |
| First Hour with Losses | 224     |

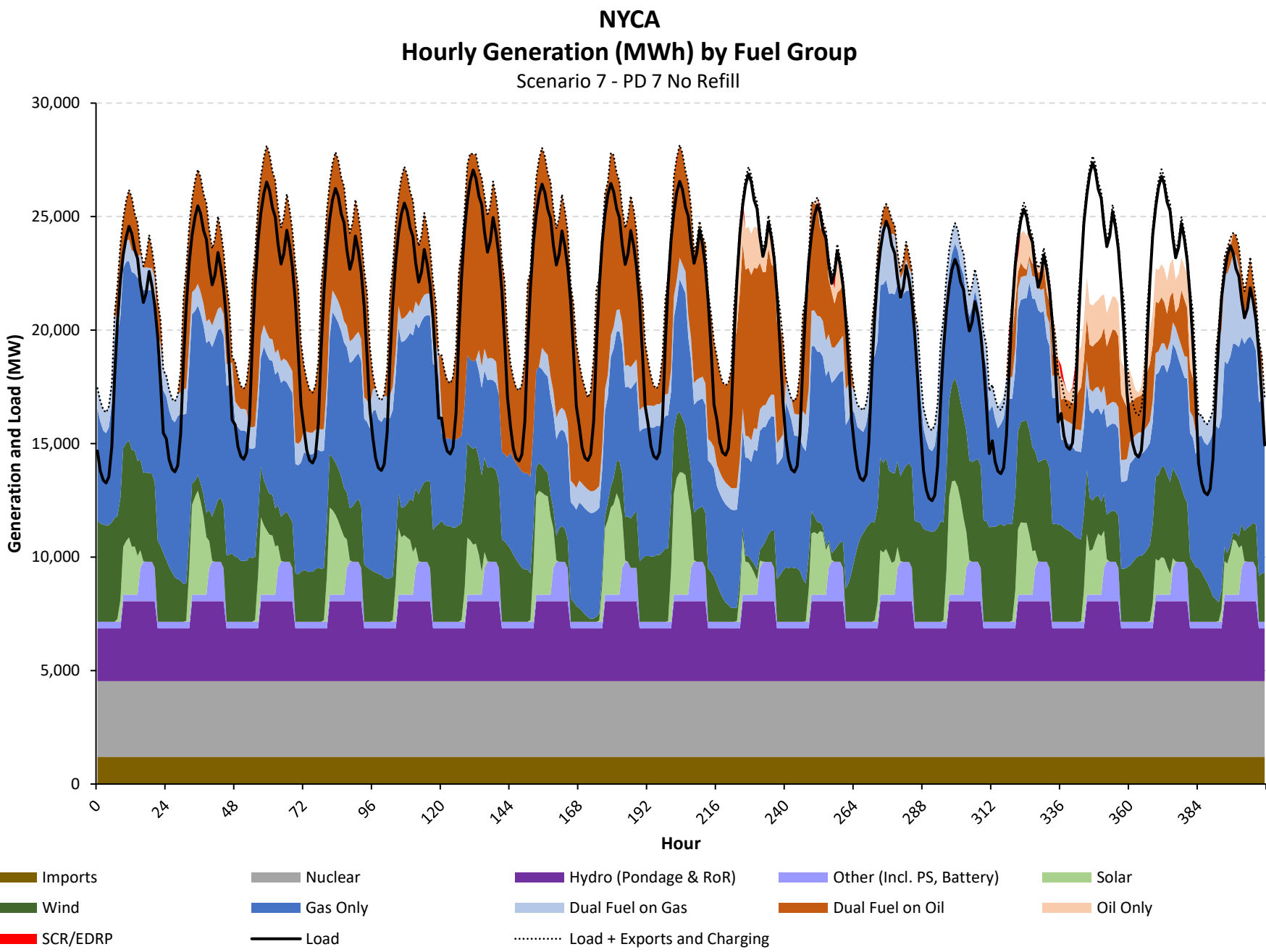


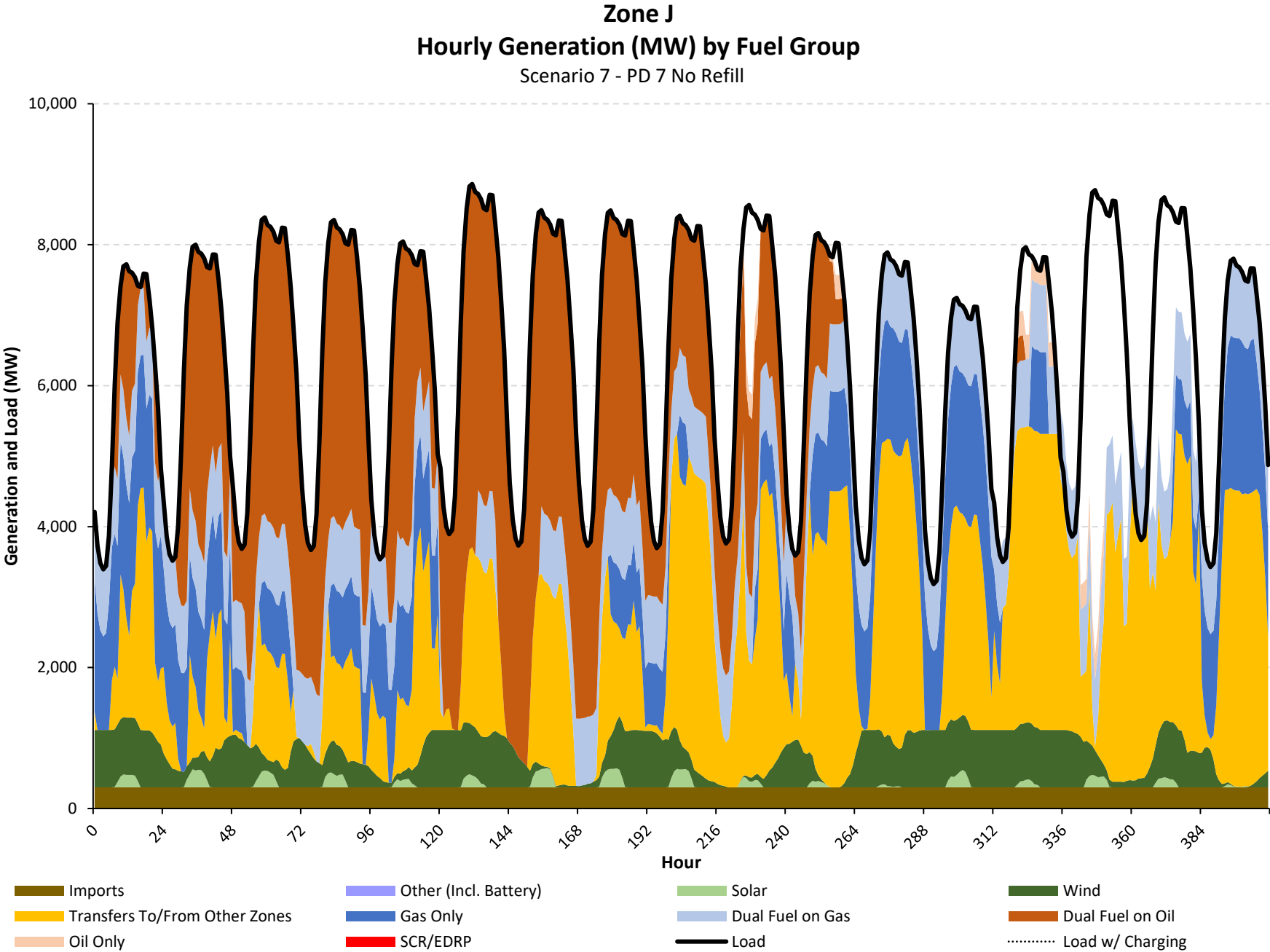
Full Period Results Summary

Case Name: Scenario 7 - PD 7 No Refill

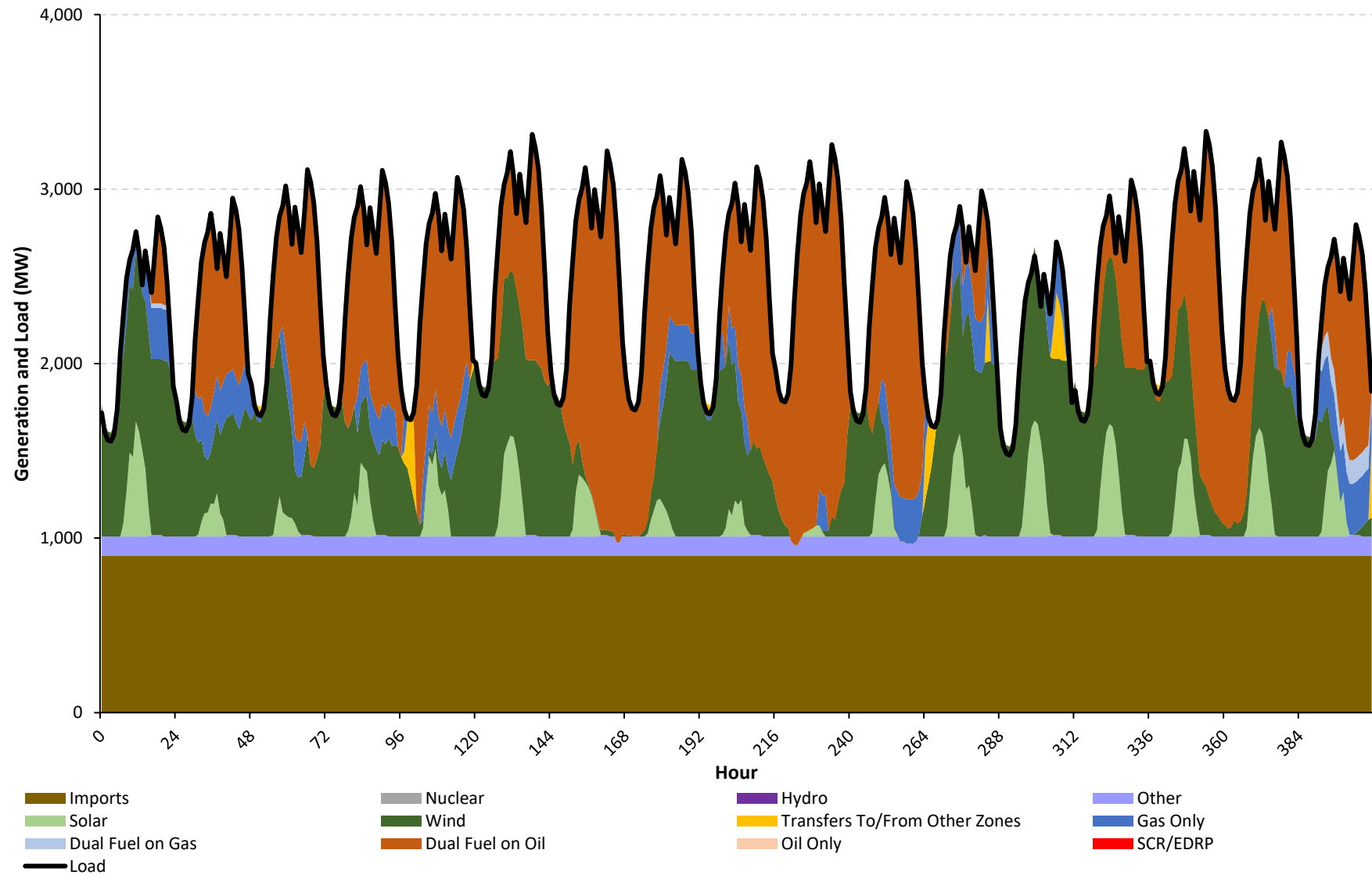
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | All       |



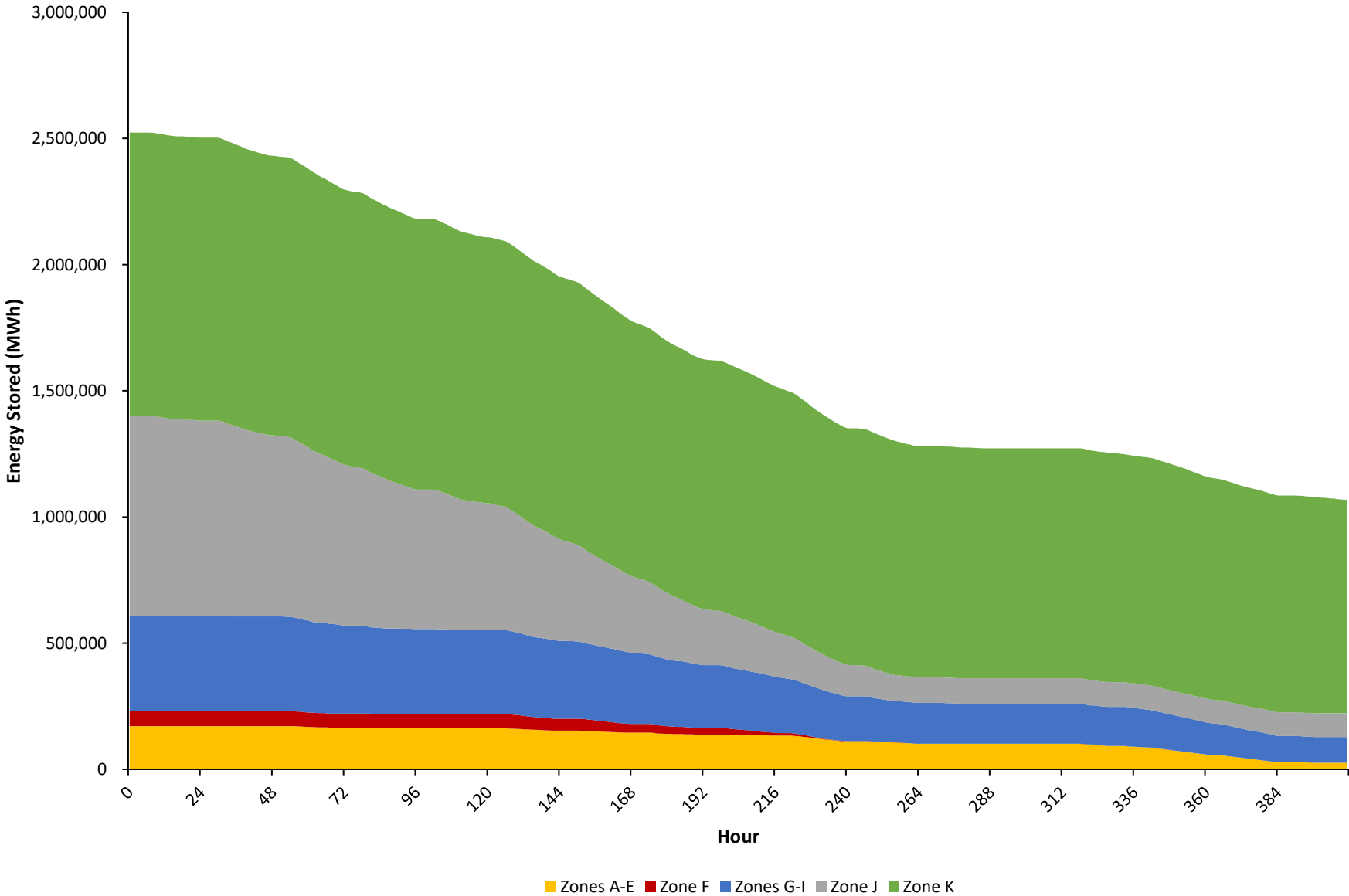


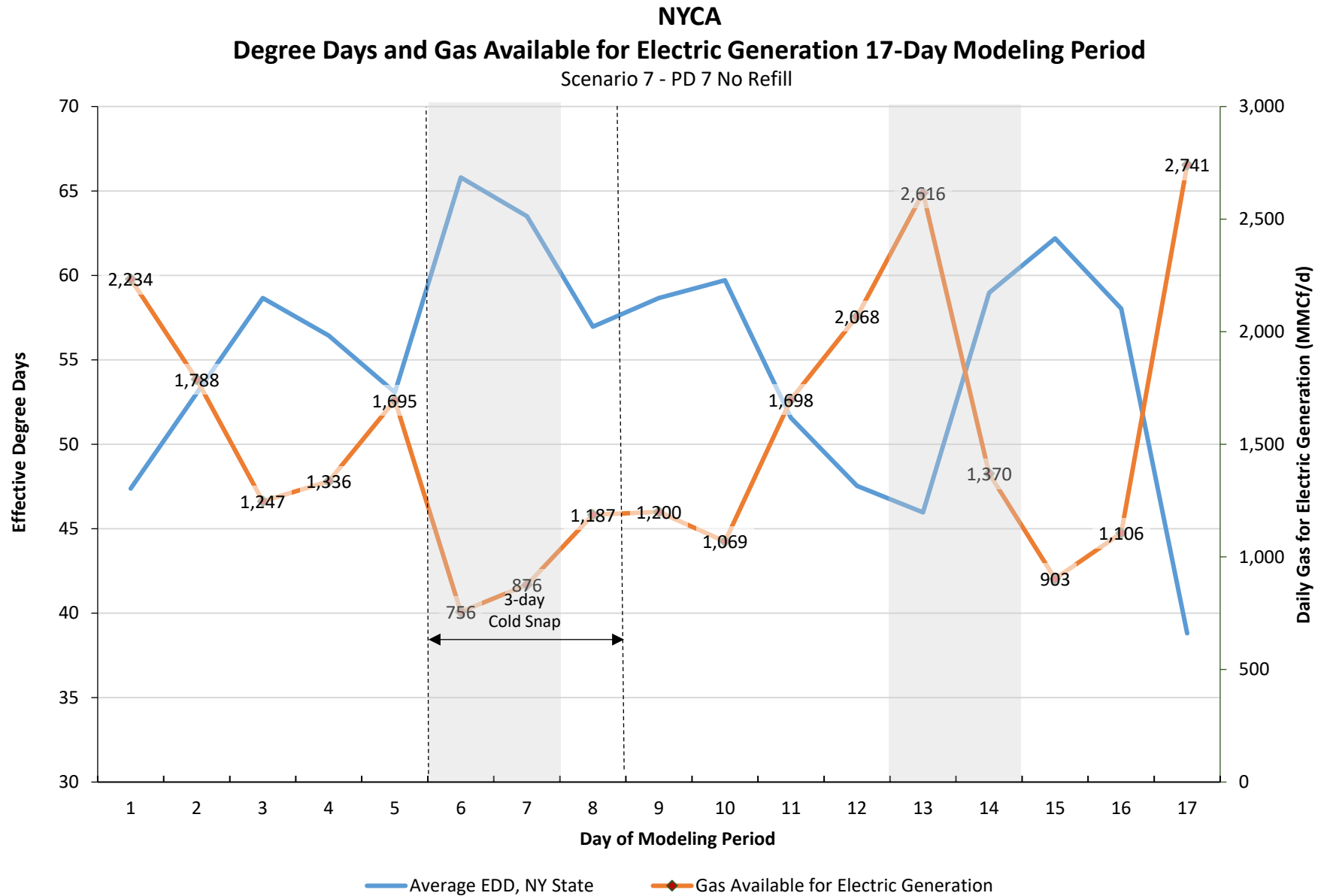


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 7 - PD 7 No Refill



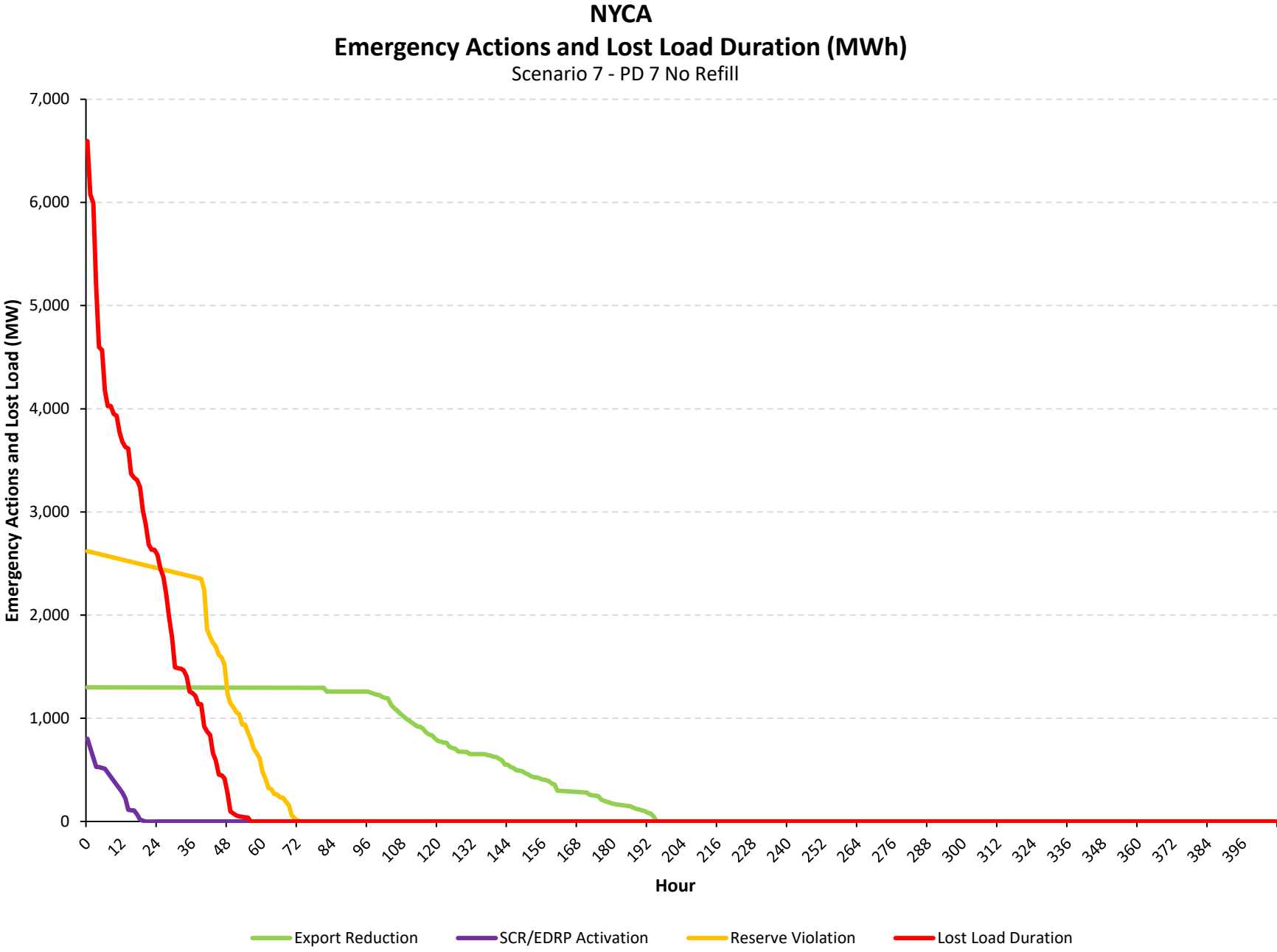
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 7 - PD 7 No Refill

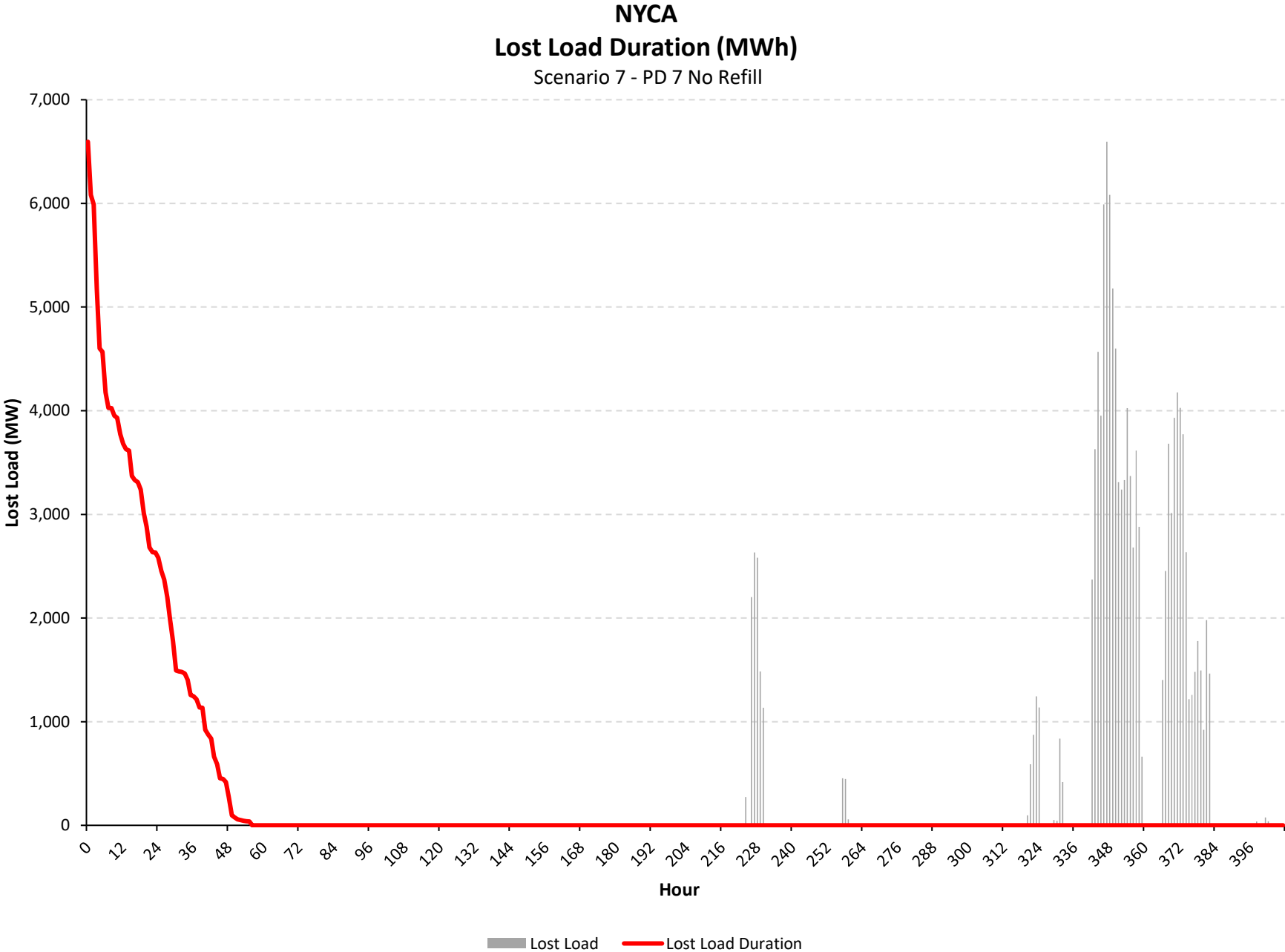




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





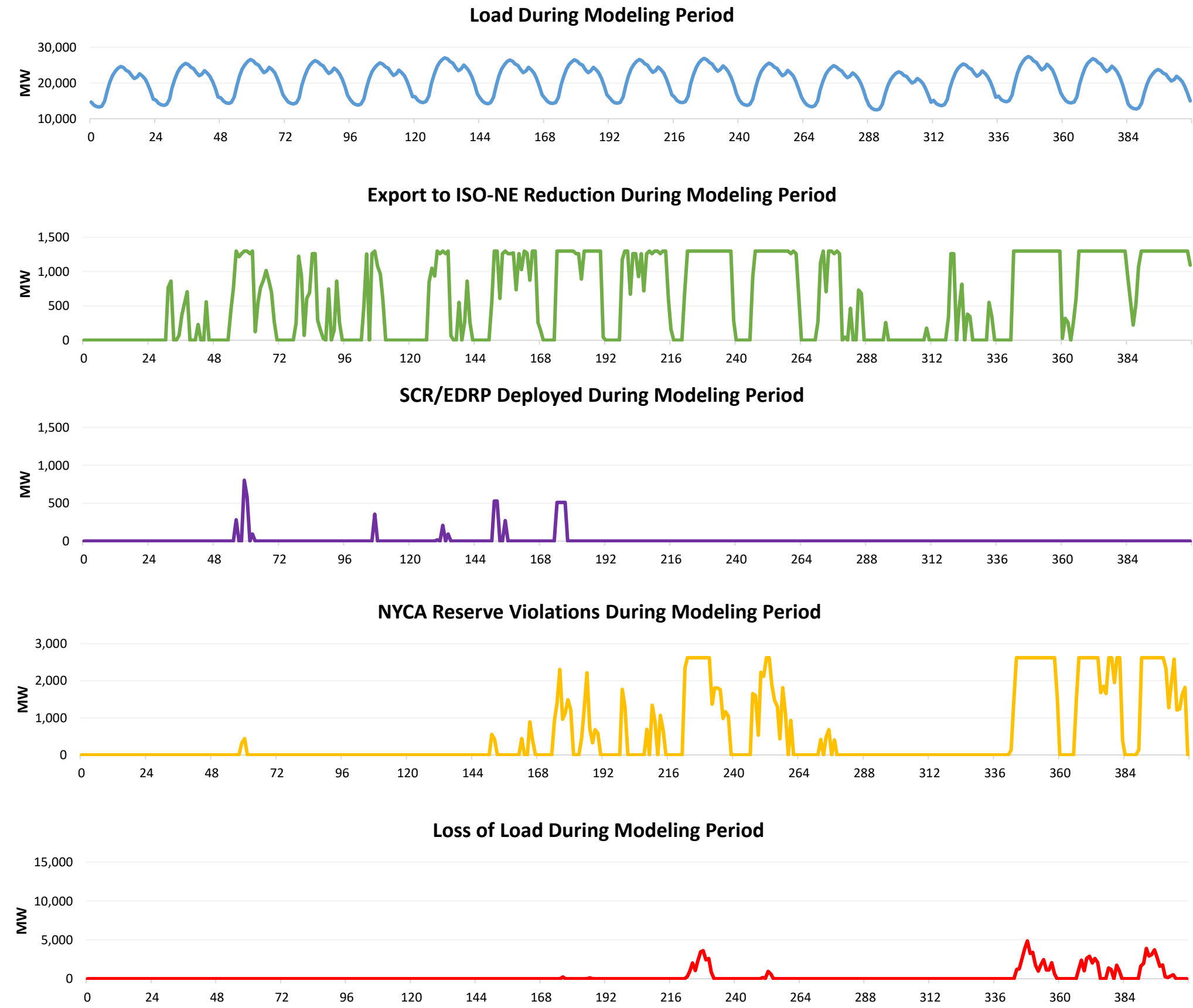


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | F-K     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 242     |
| Total MWh         | 247,922 |
| Avg. MW           | 607.7   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 15    |
| Total MWh      | 5,781 |
| Avg. MW        | 14.2  |

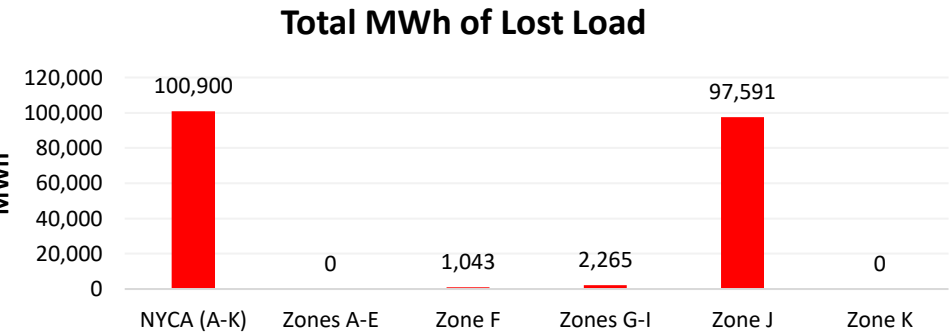
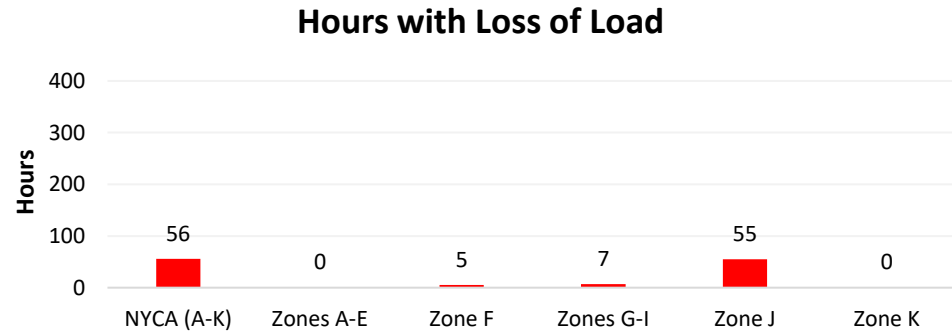
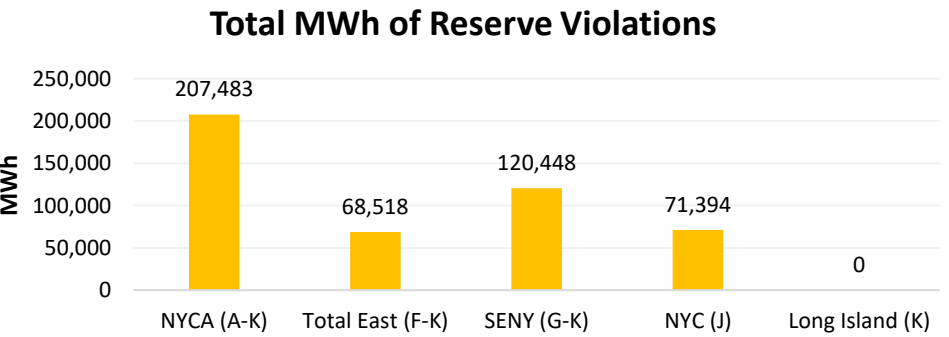
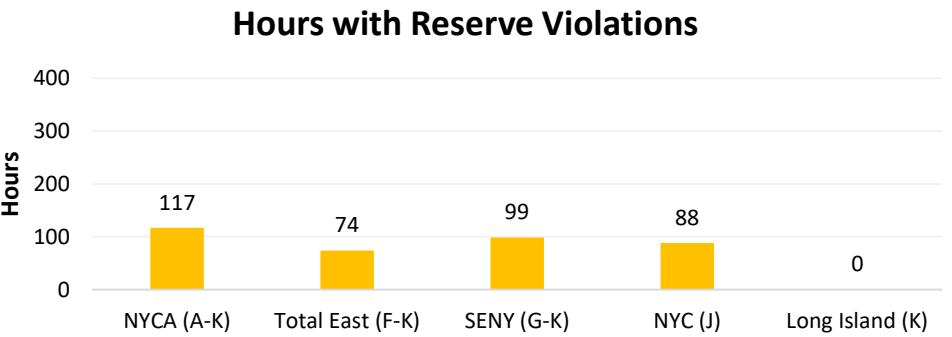
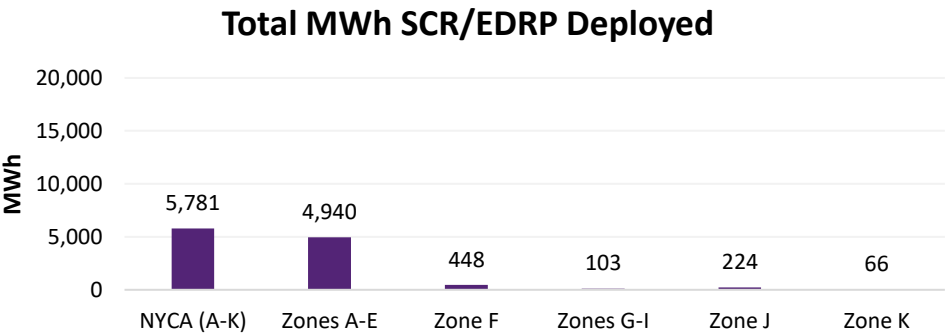
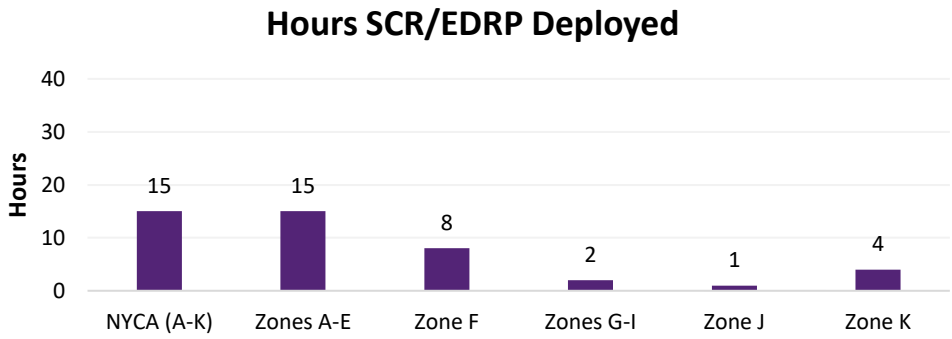
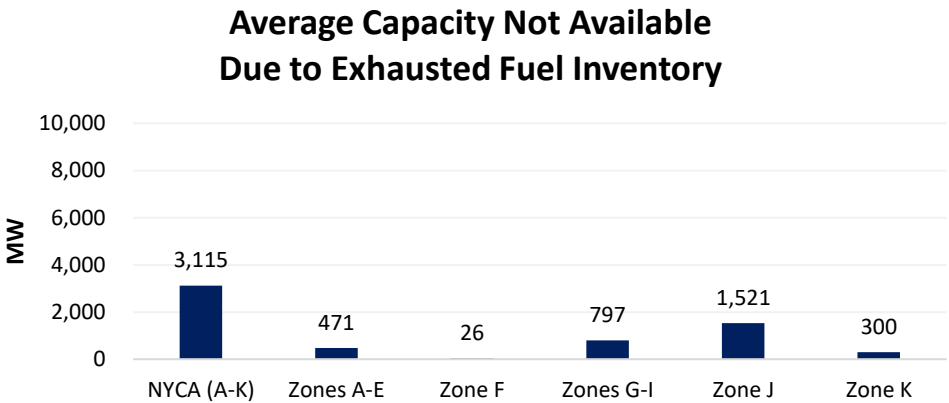
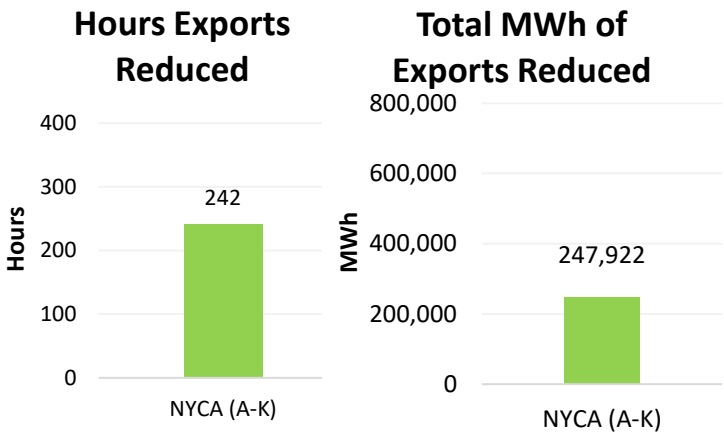
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 117     |
| Total MWh             | 207,483 |
| Avg. MW               | 508.5   |
| First Hour with Viol. | 59      |

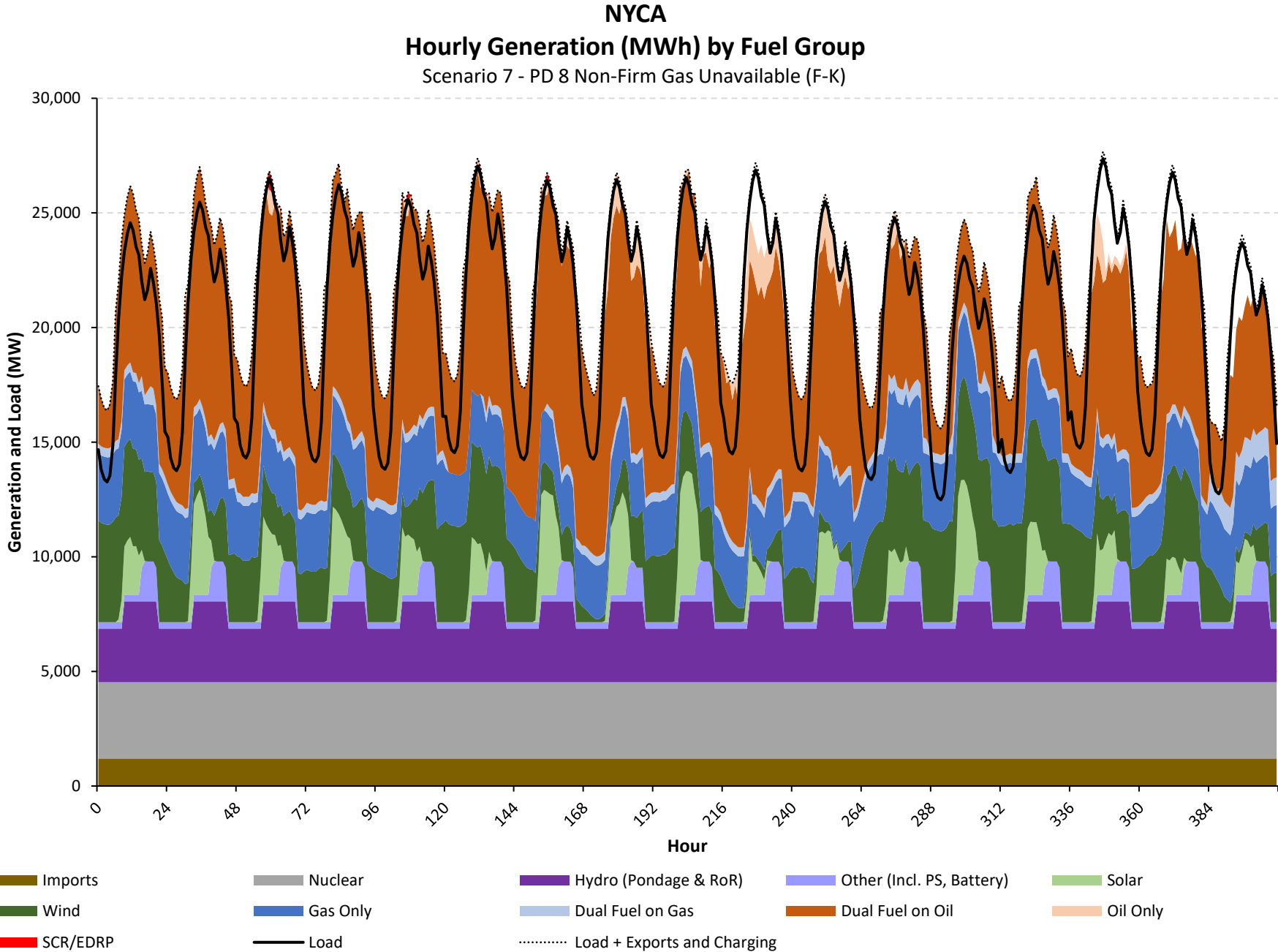
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 56      |
| Total MWh              | 100,900 |
| Avg. MW                | 247.3   |
| First Hour with Losses | 176     |

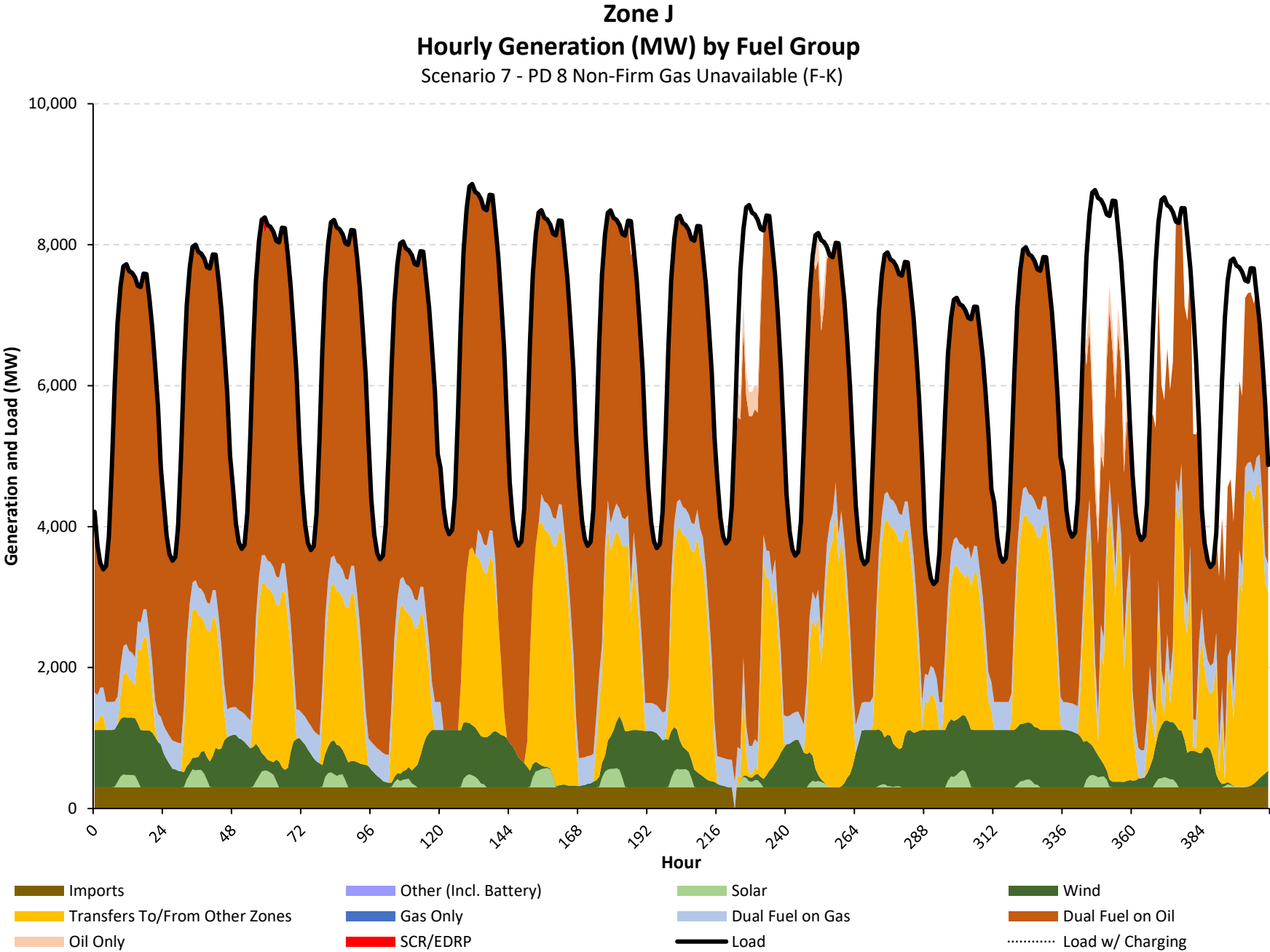
Full Period Results Summary

Case Name: Scenario 7 - PD 8 Non-Firm Gas Unavailable (F-K)

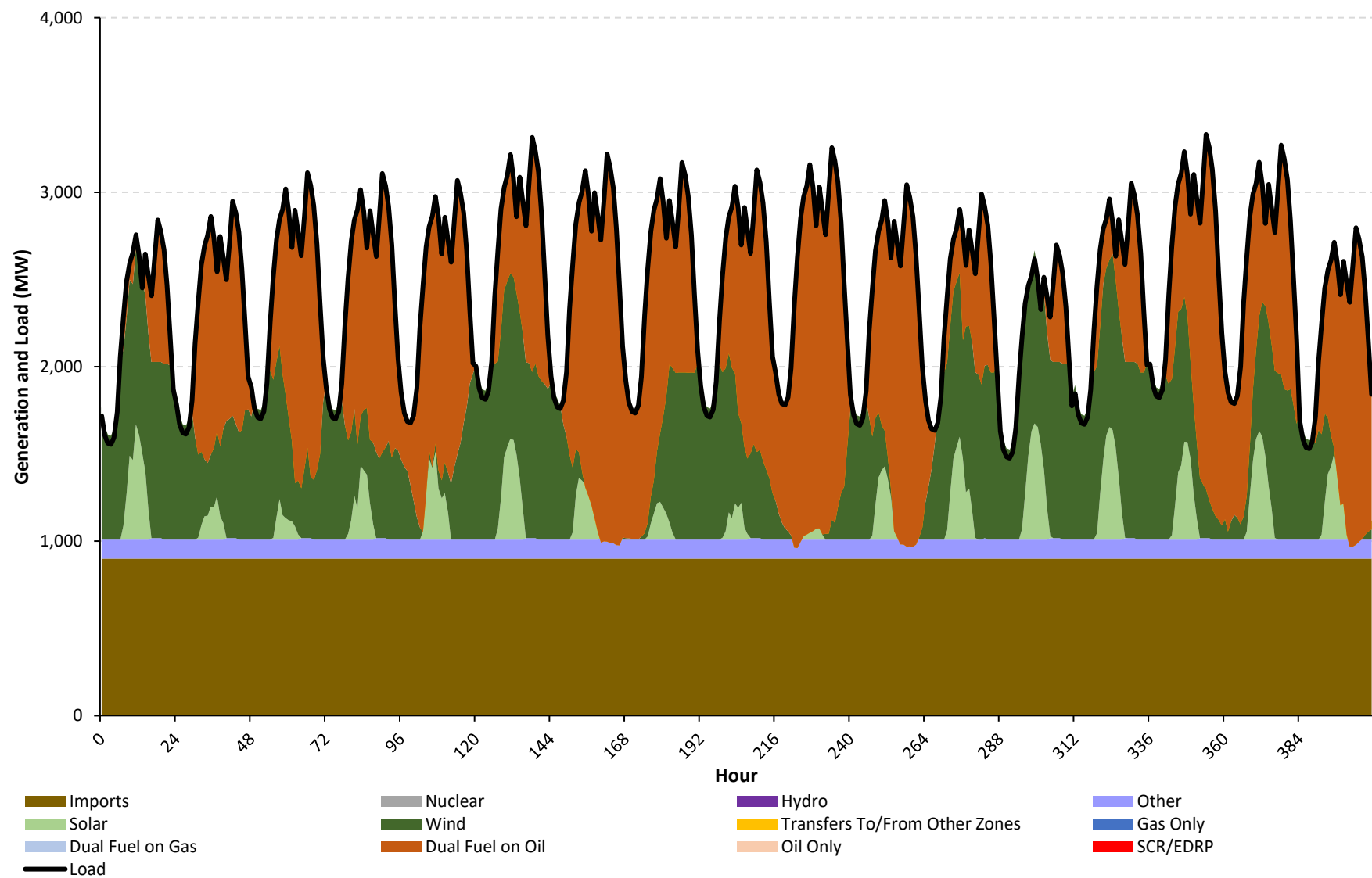
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | F-K     |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

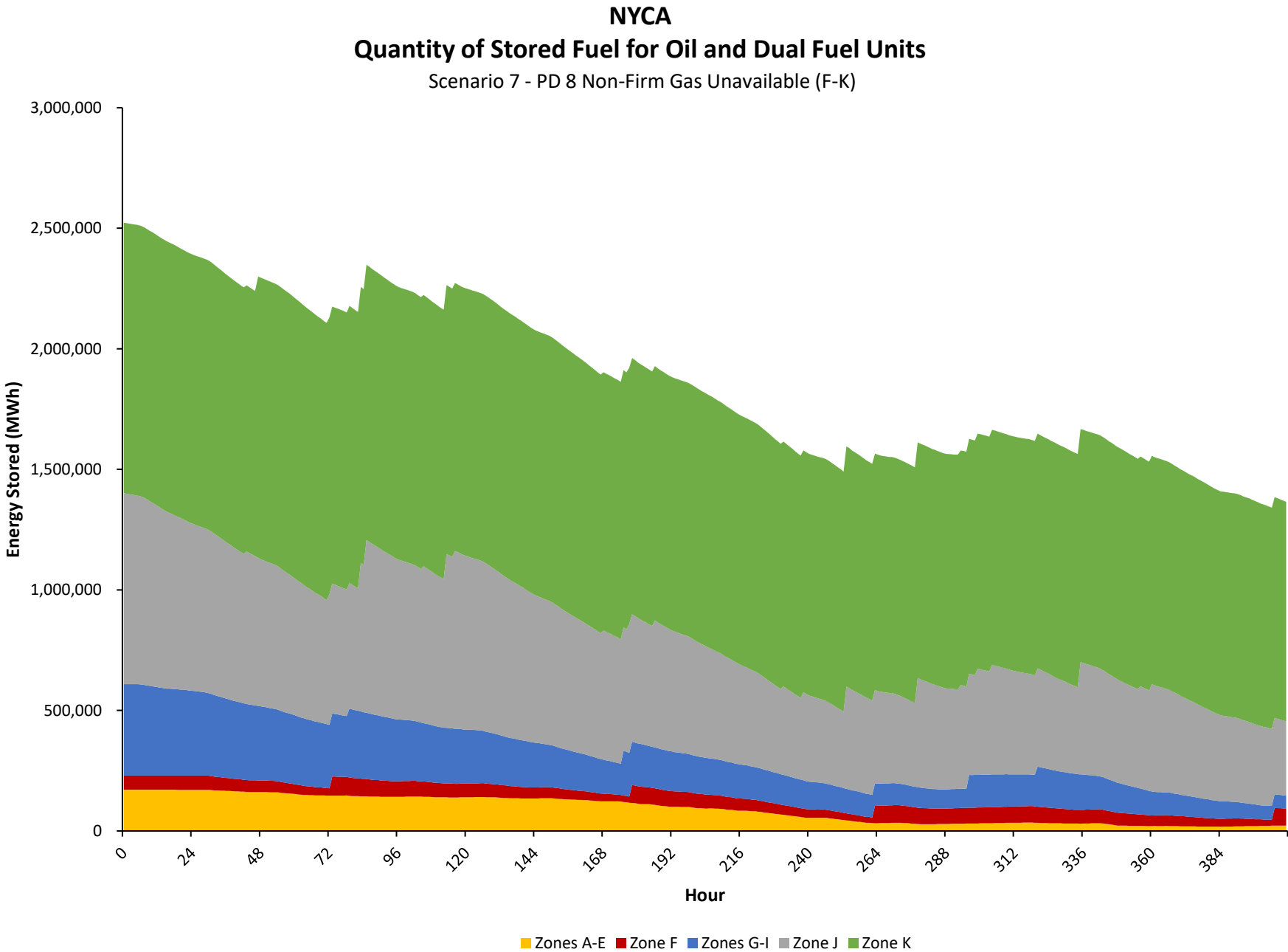


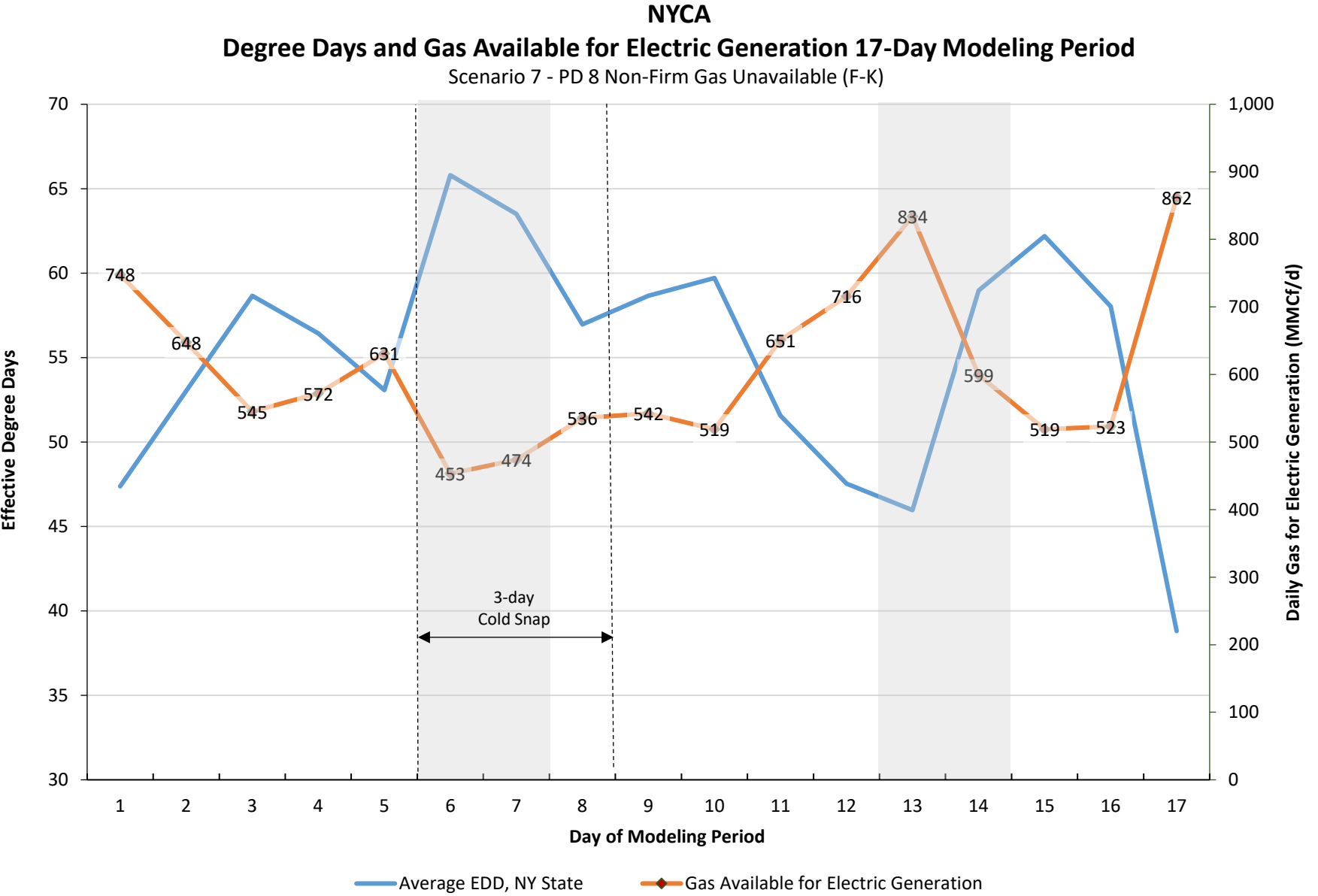




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 8 Non-Firm Gas Unavailable (F-K)

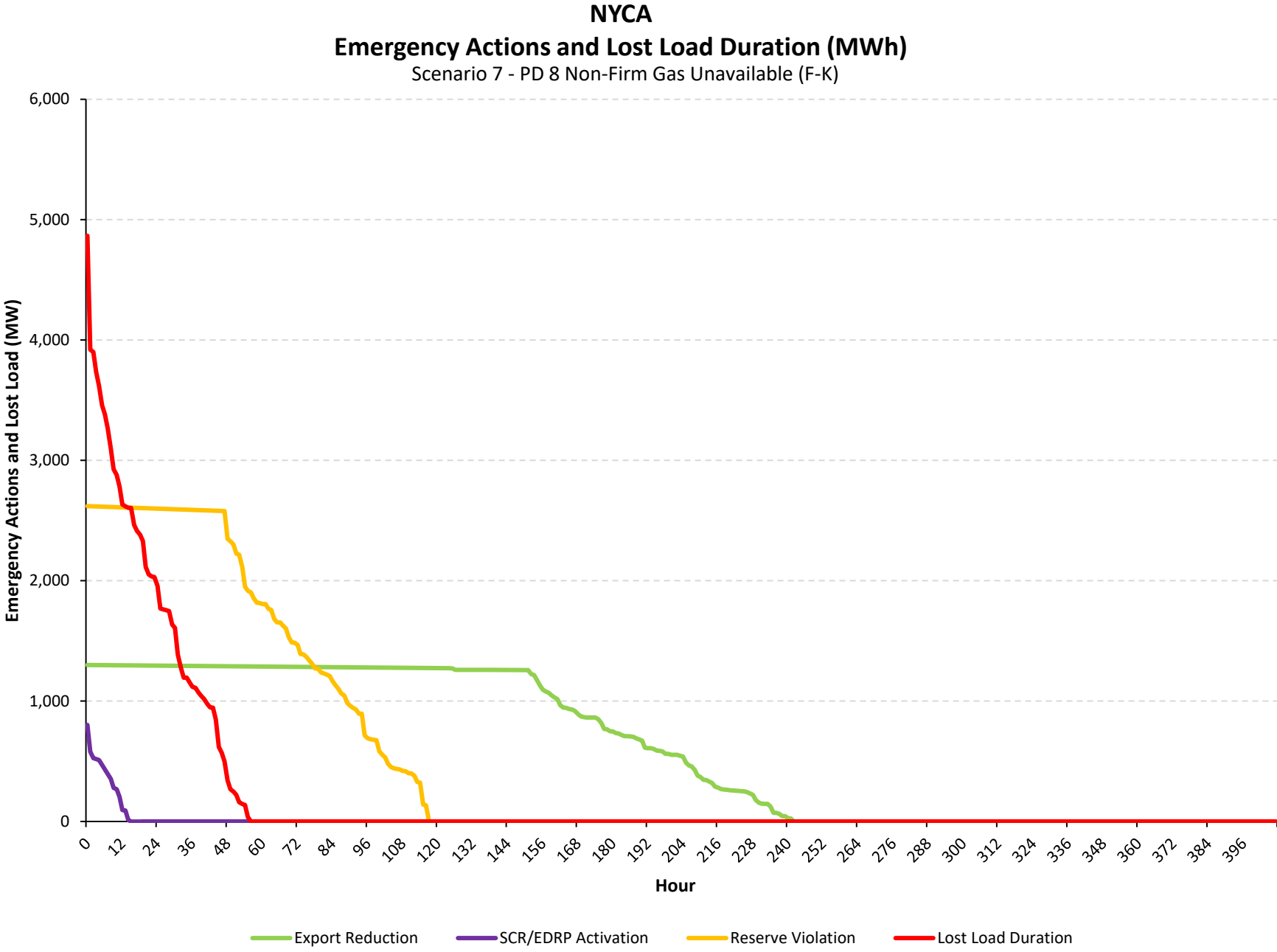


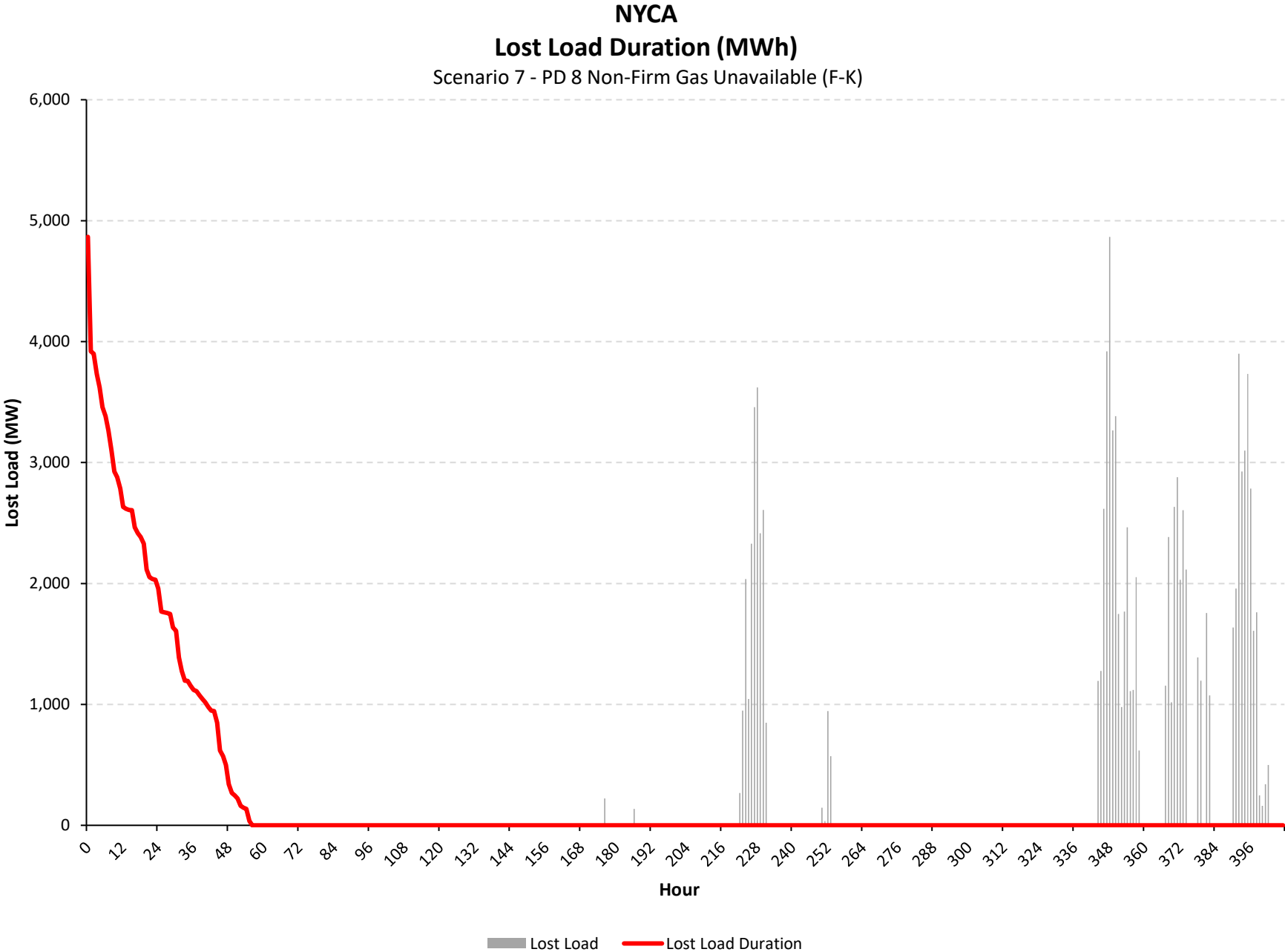




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





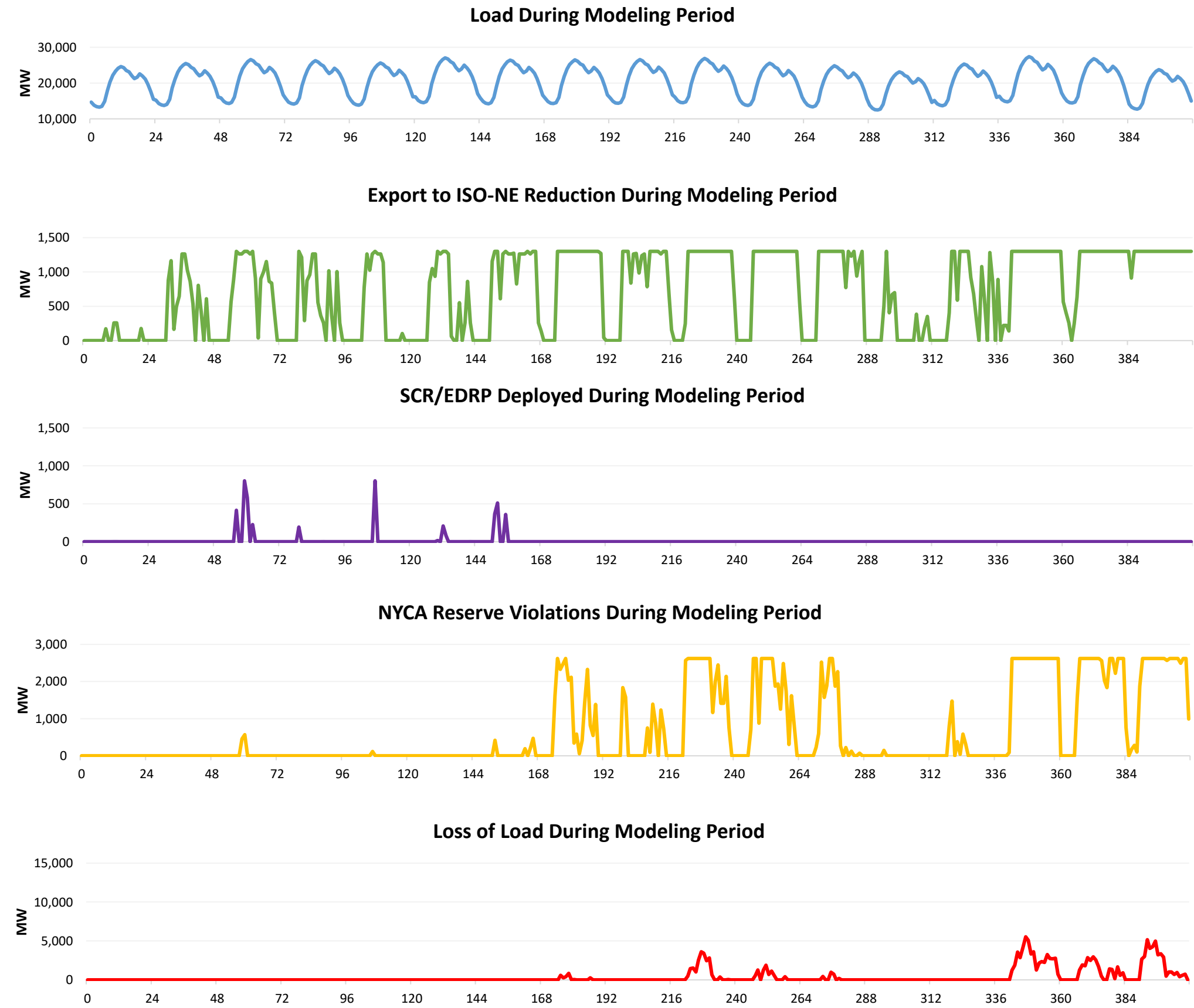


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | NYISO   |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 273     |
| Total MWh         | 291,762 |
| Avg. MW           | 715.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 12    |
| Total MWh      | 4,550 |
| Avg. MW        | 11.2  |

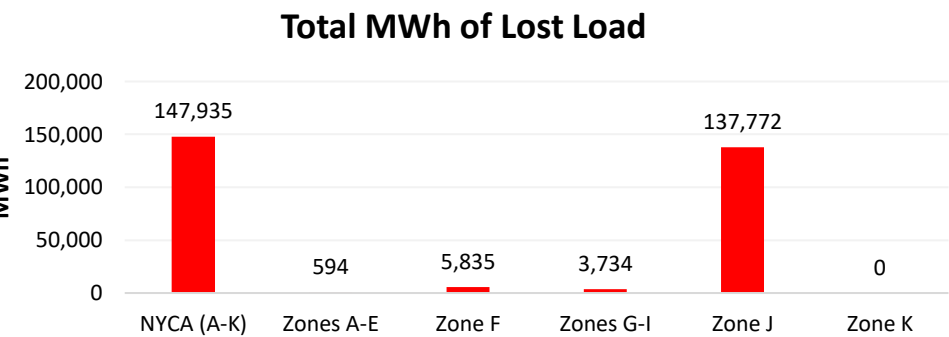
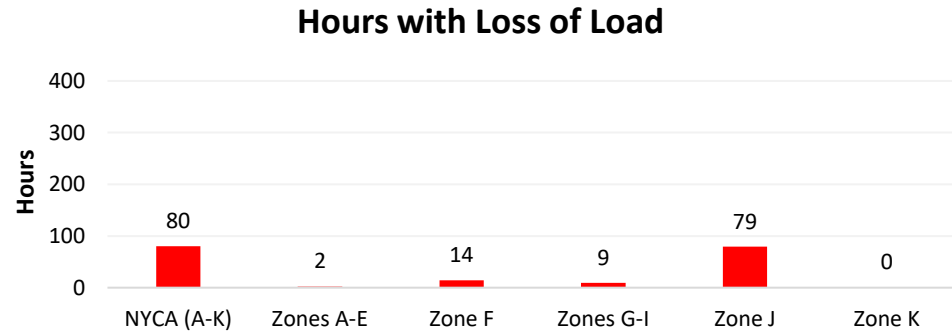
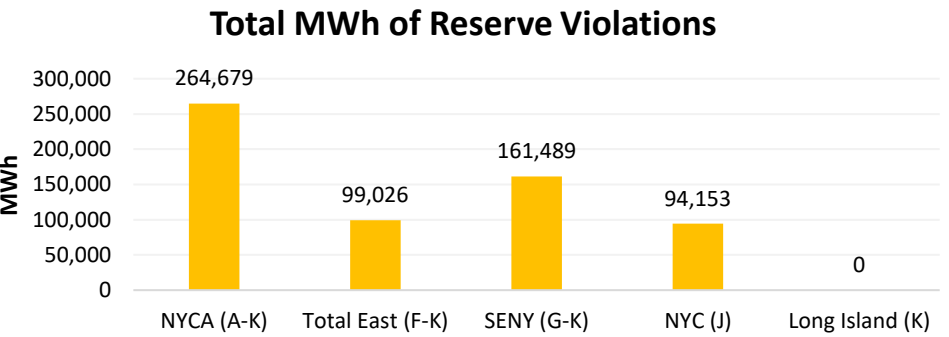
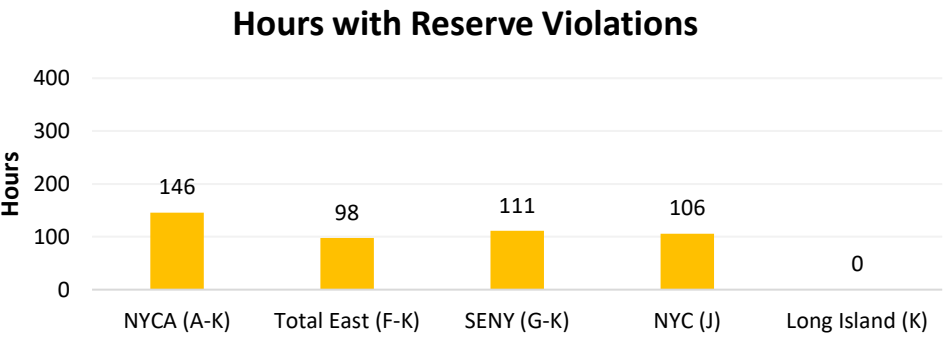
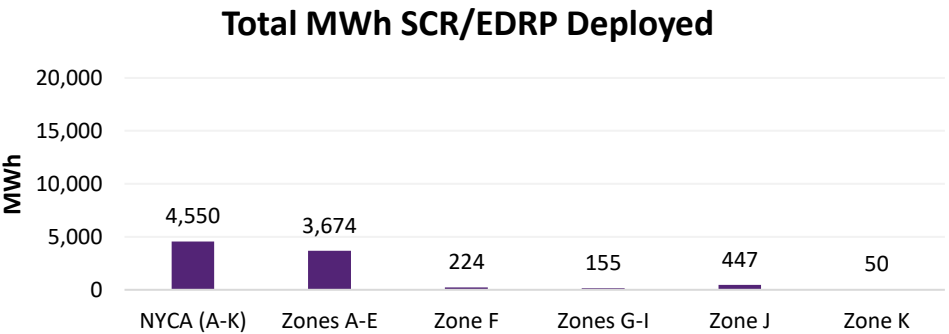
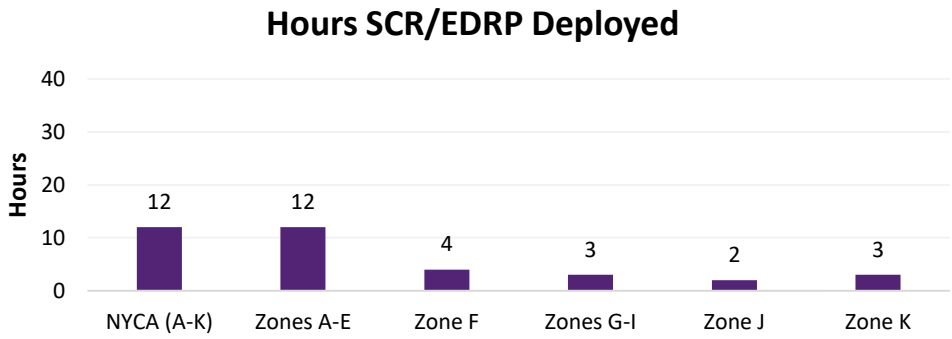
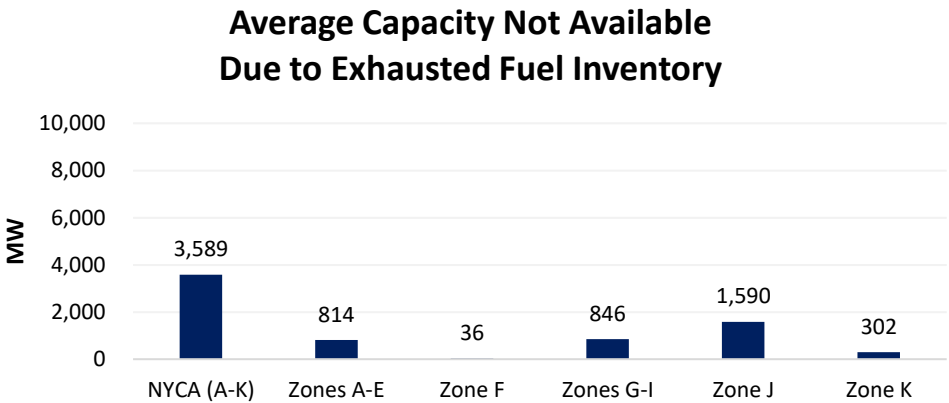
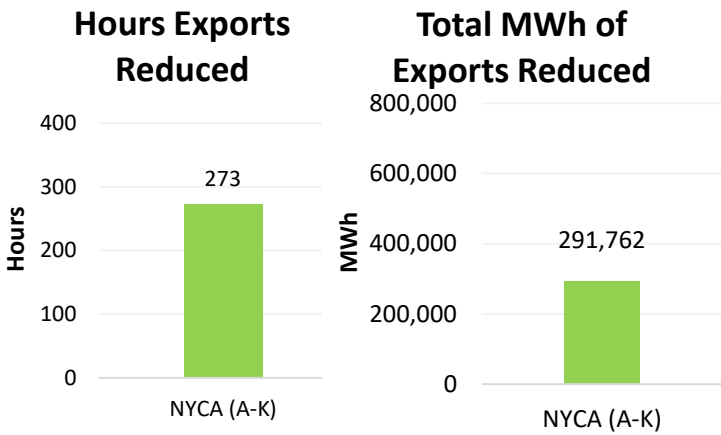
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 146     |
| Total MWh             | 264,679 |
| Avg. MW               | 648.7   |
| First Hour with Viol. | 59      |

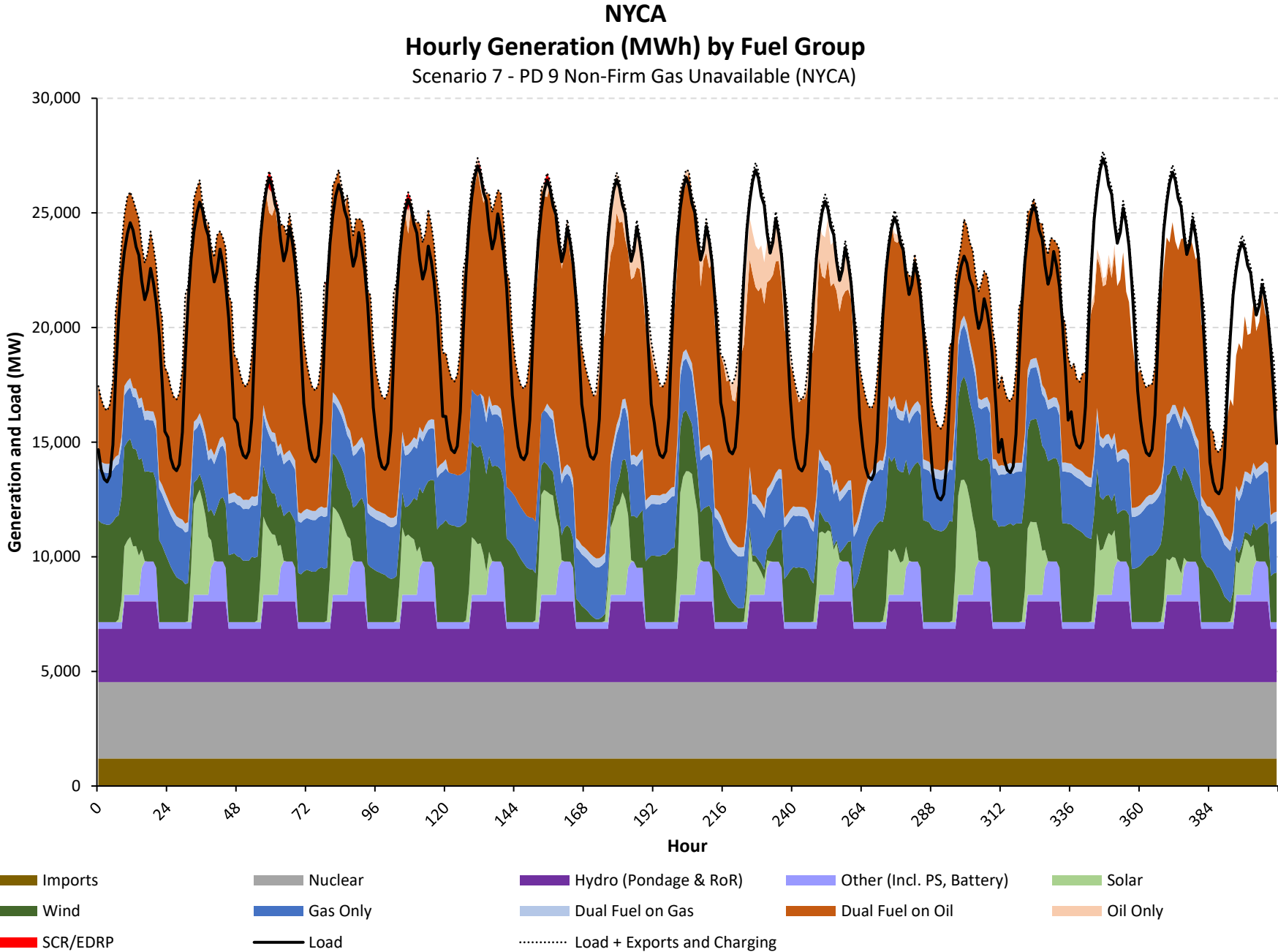
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 80      |
| Total MWh              | 147,935 |
| Avg. MW                | 362.6   |
| First Hour with Losses | 175     |

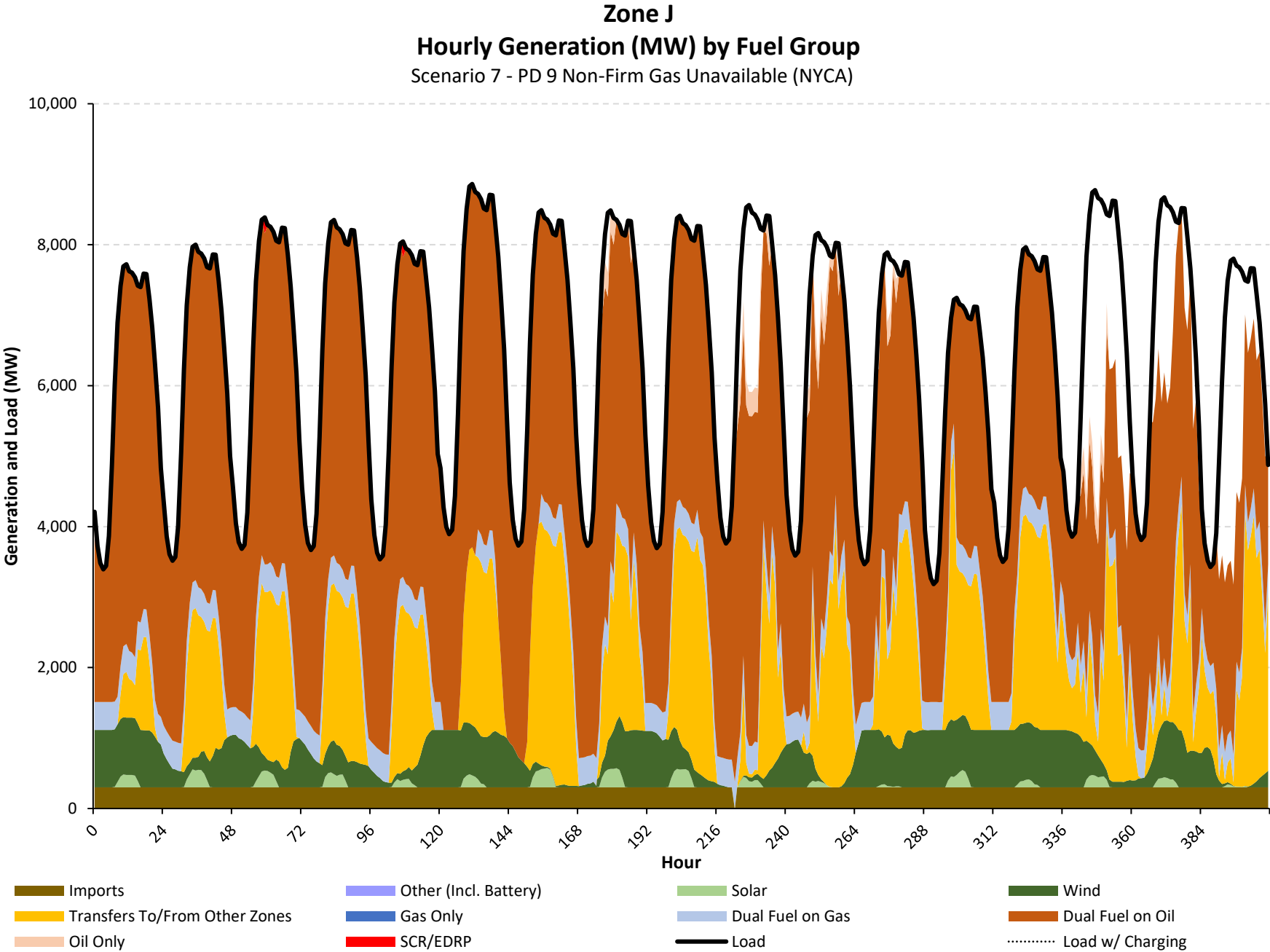
Full Period Results Summary

Case Name: Scenario 7 - PD 9 Non-Firm Gas Unavailable (NYCA)

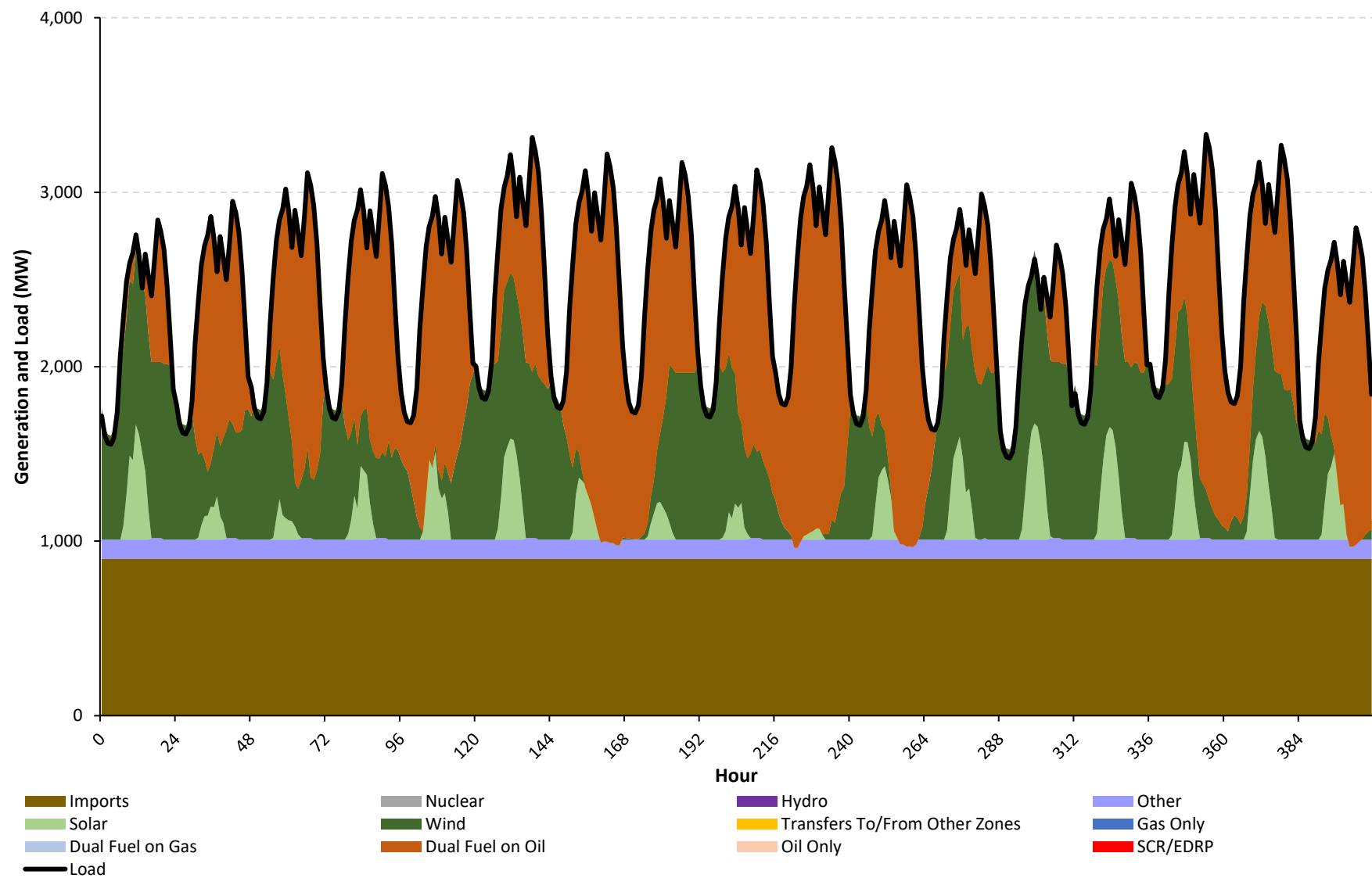
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | Off     |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Off     |
| Loss of Gas Fired Gen.   | NYISO   |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |



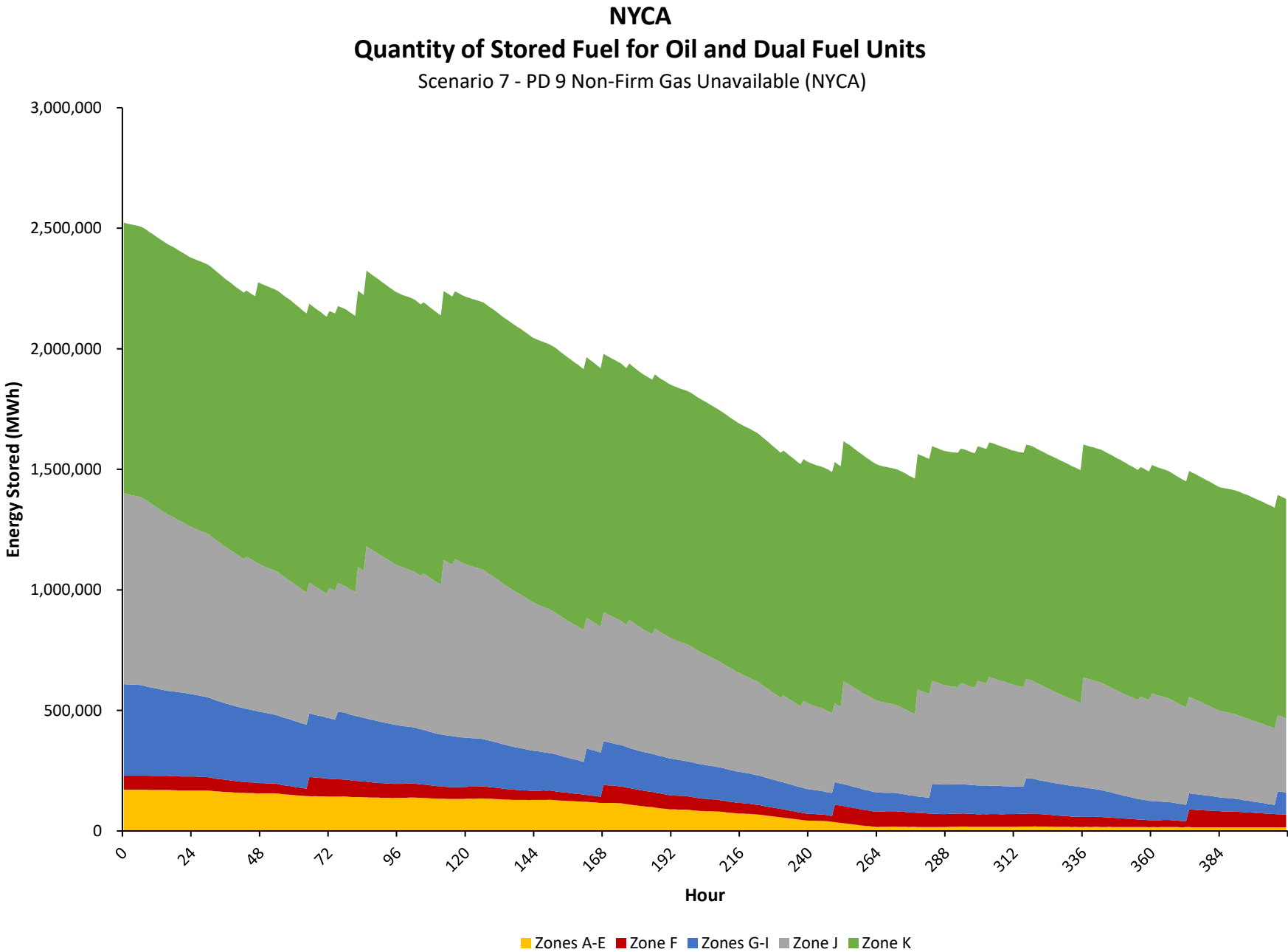


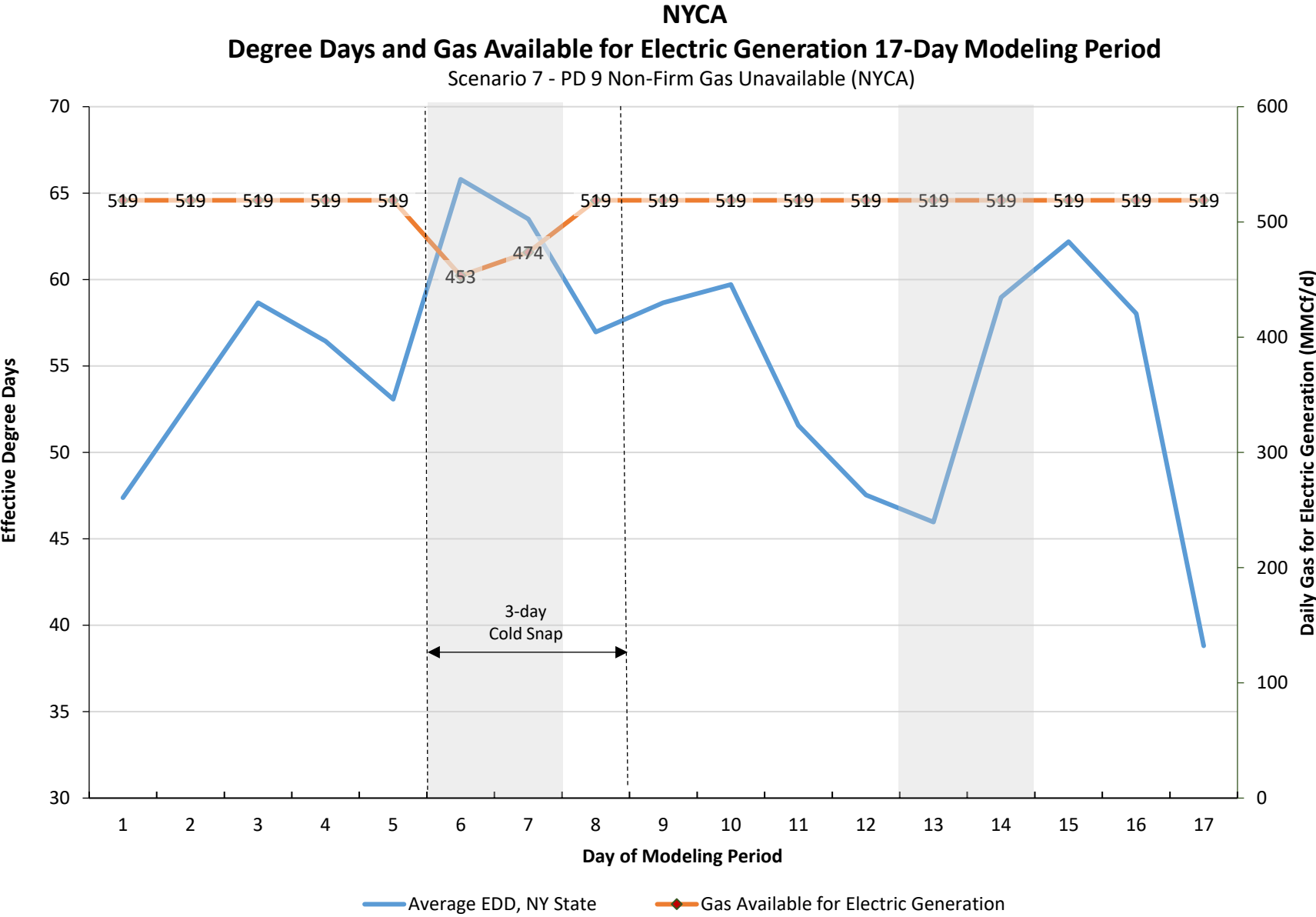


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 9 Non-Firm Gas Unavailable (NYCA)

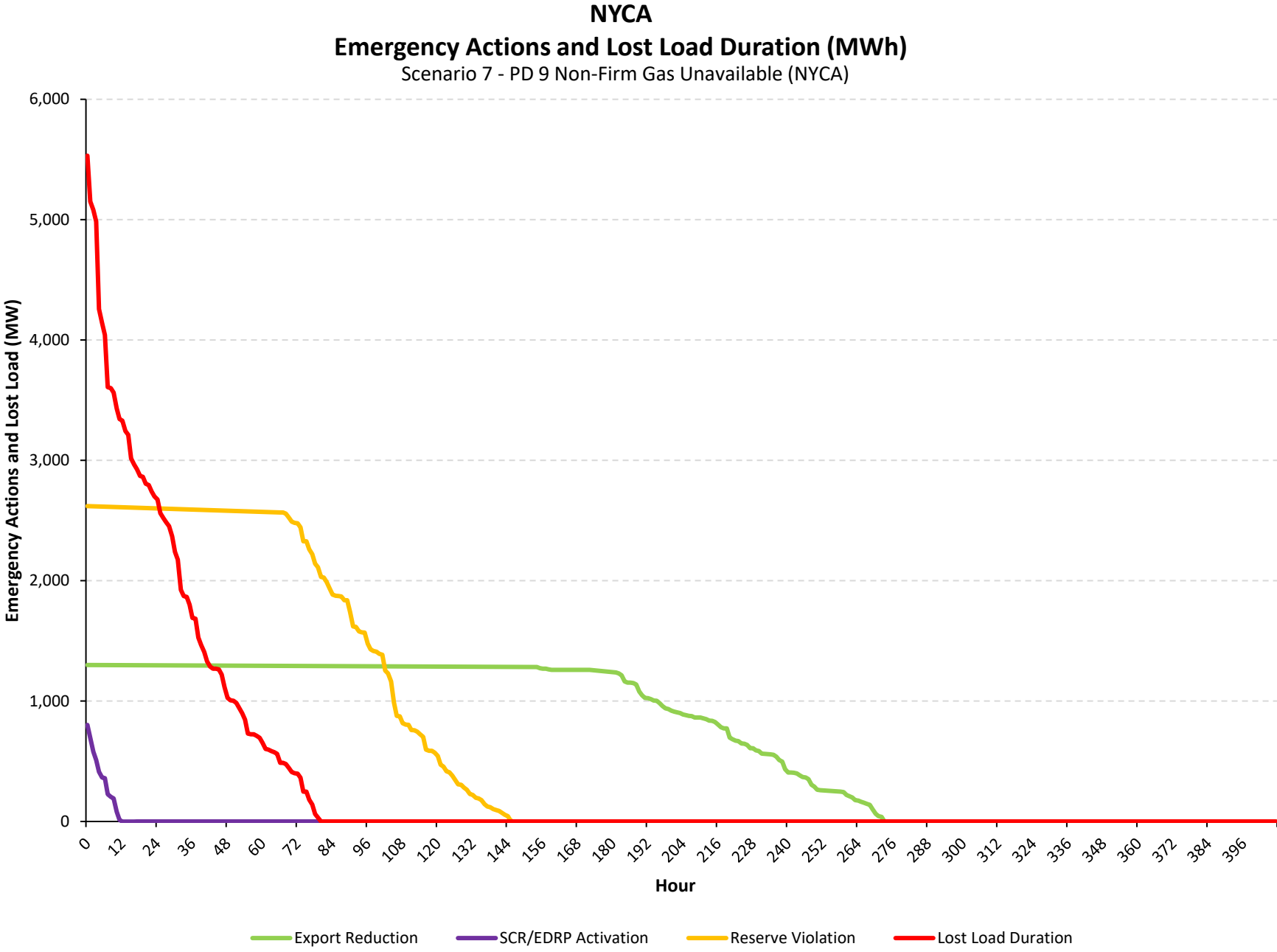


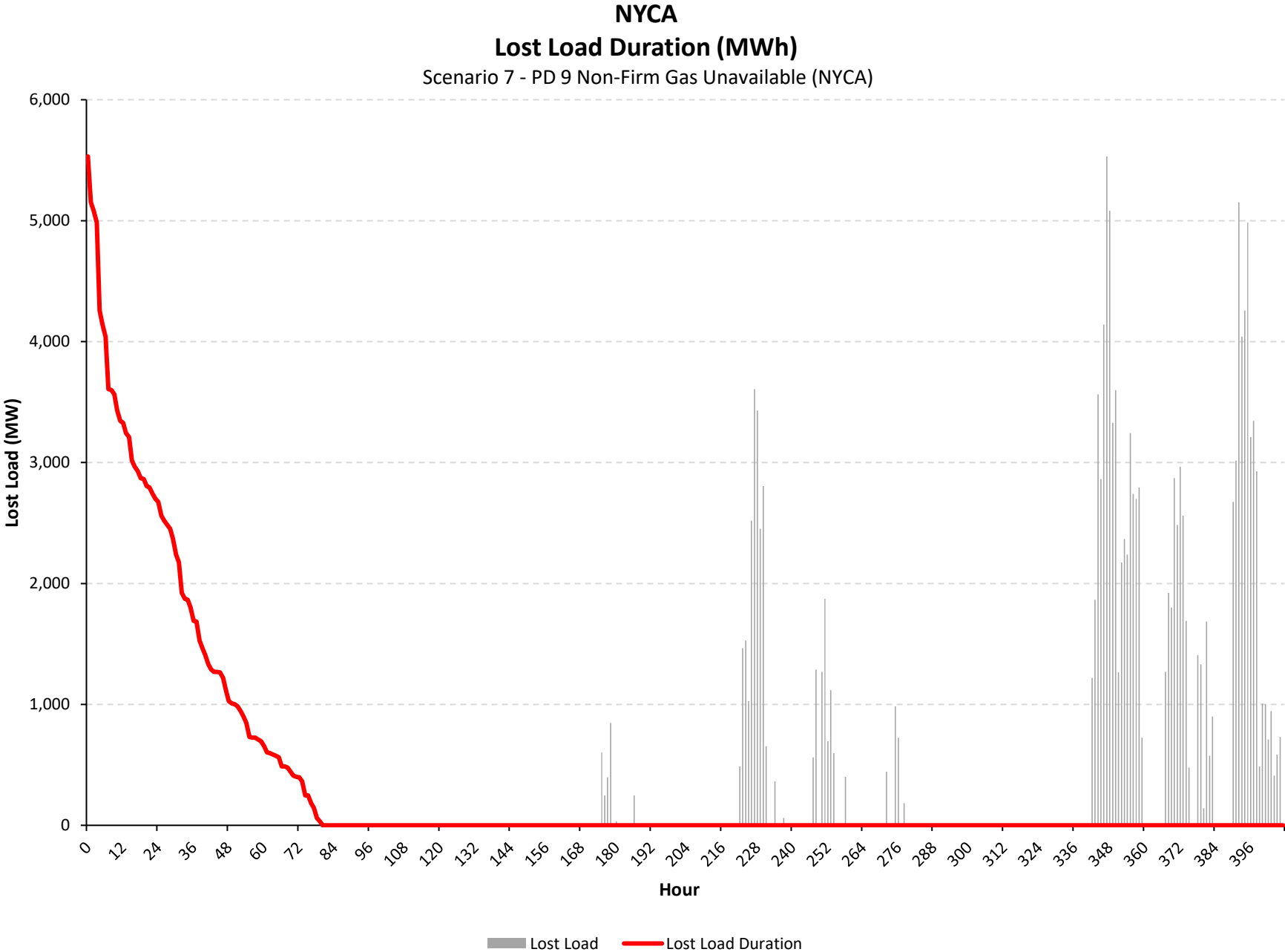






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



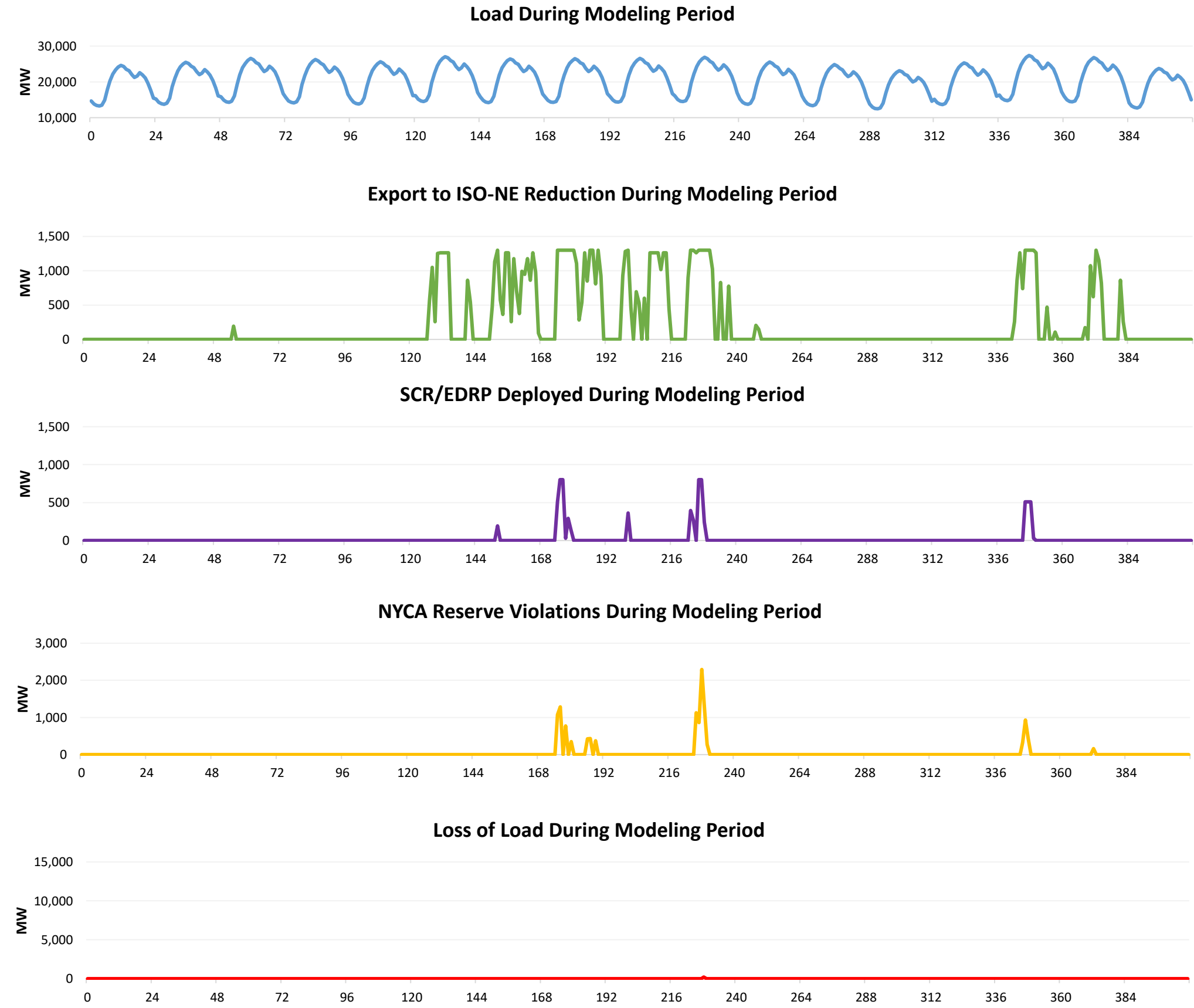


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 7 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 7 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | 3-4 days |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | All      |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 94     |
| Total MWh         | 89,195 |
| Avg. MW           | 218.6  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 17    |
| Total MWh      | 7,197 |
| Avg. MW        | 17.6  |

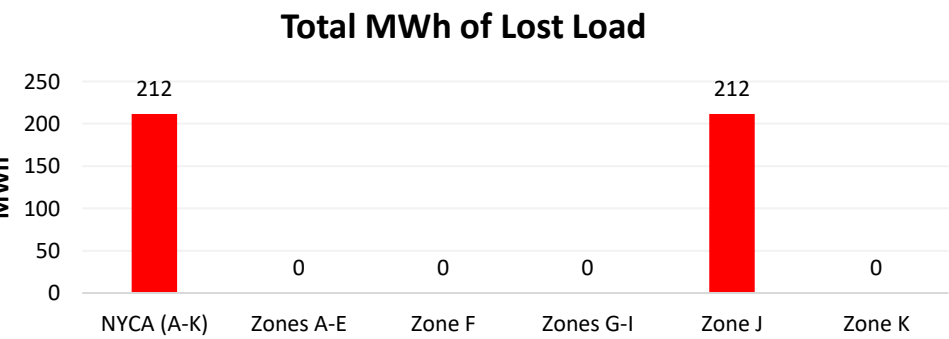
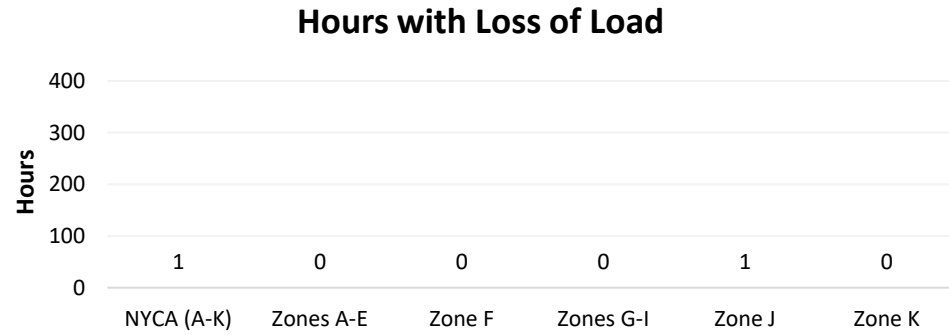
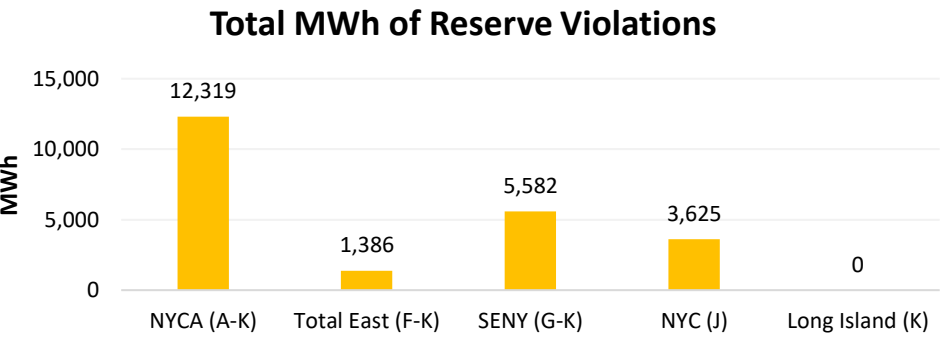
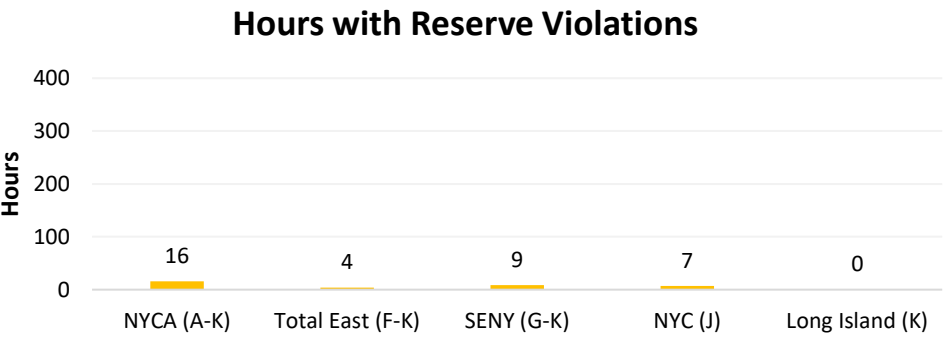
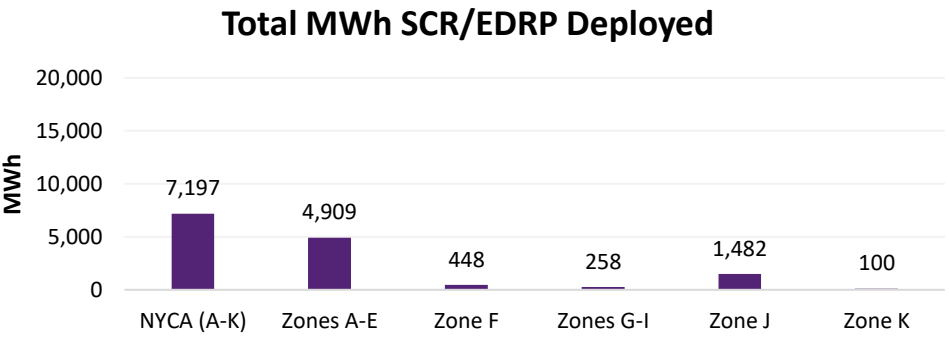
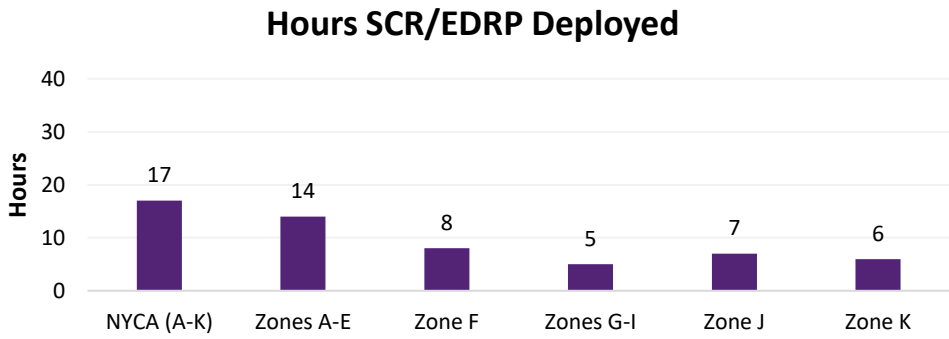
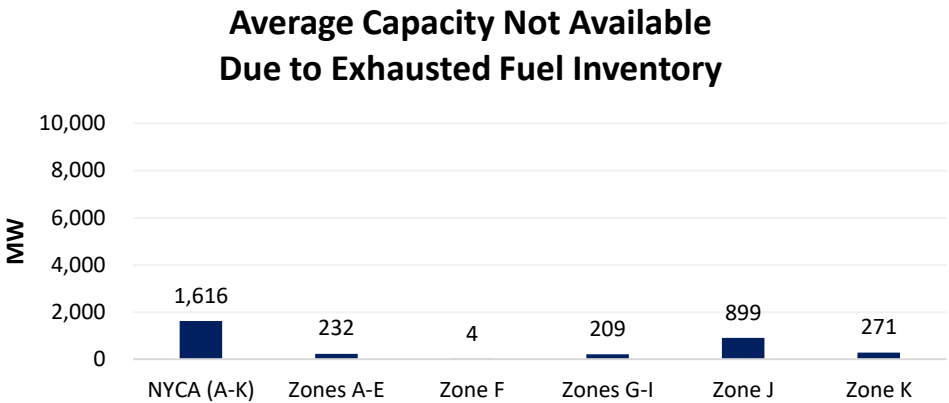
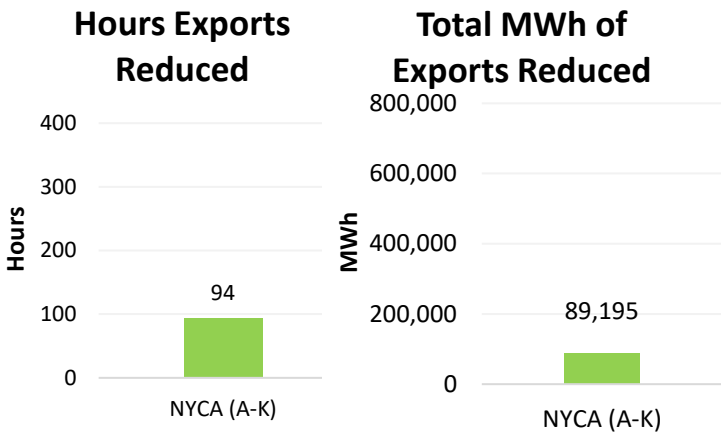
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 16     |
| Total MWh             | 12,319 |
| Avg. MW               | 30.2   |
| First Hour with Viol. | 175    |

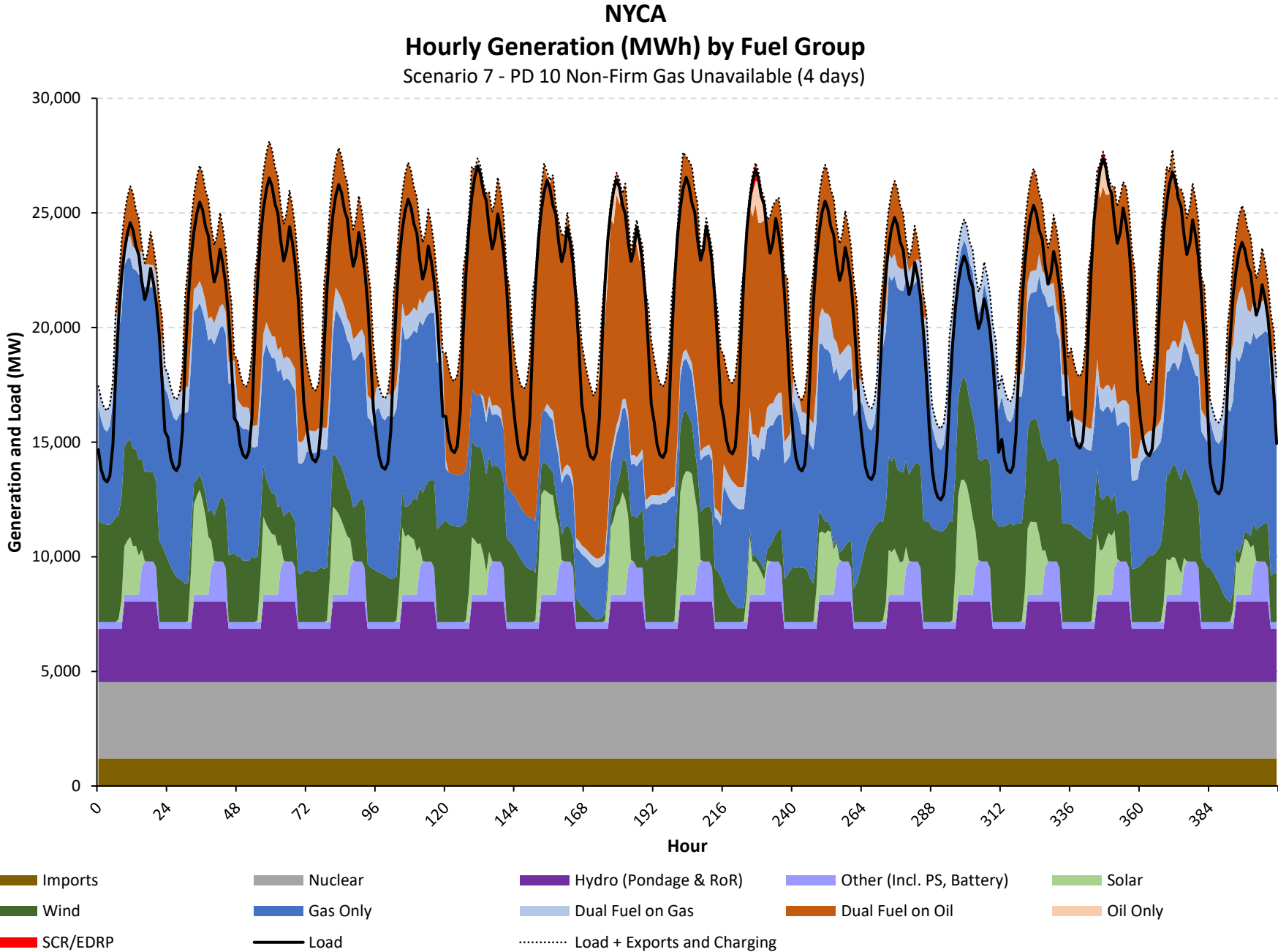
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 1   |
| Total MWh              | 212 |
| Avg. MW                | 0.5 |
| First Hour with Losses | 228 |

Full Period Results Summary

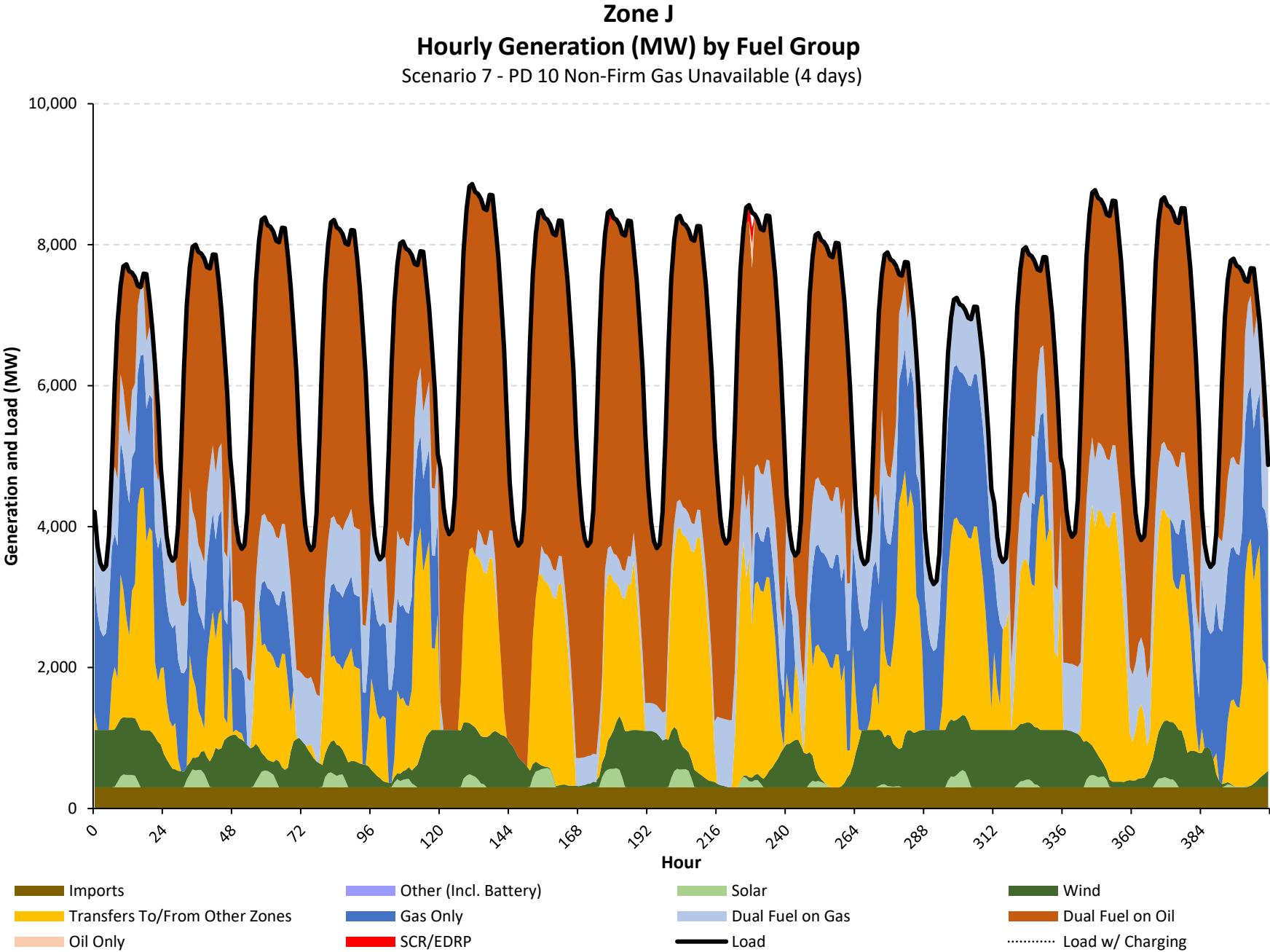
Case Name: Scenario 7 - PD 10 Non-Firm Gas Unavailable (4 days)

| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | 3-4 days |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | All      |

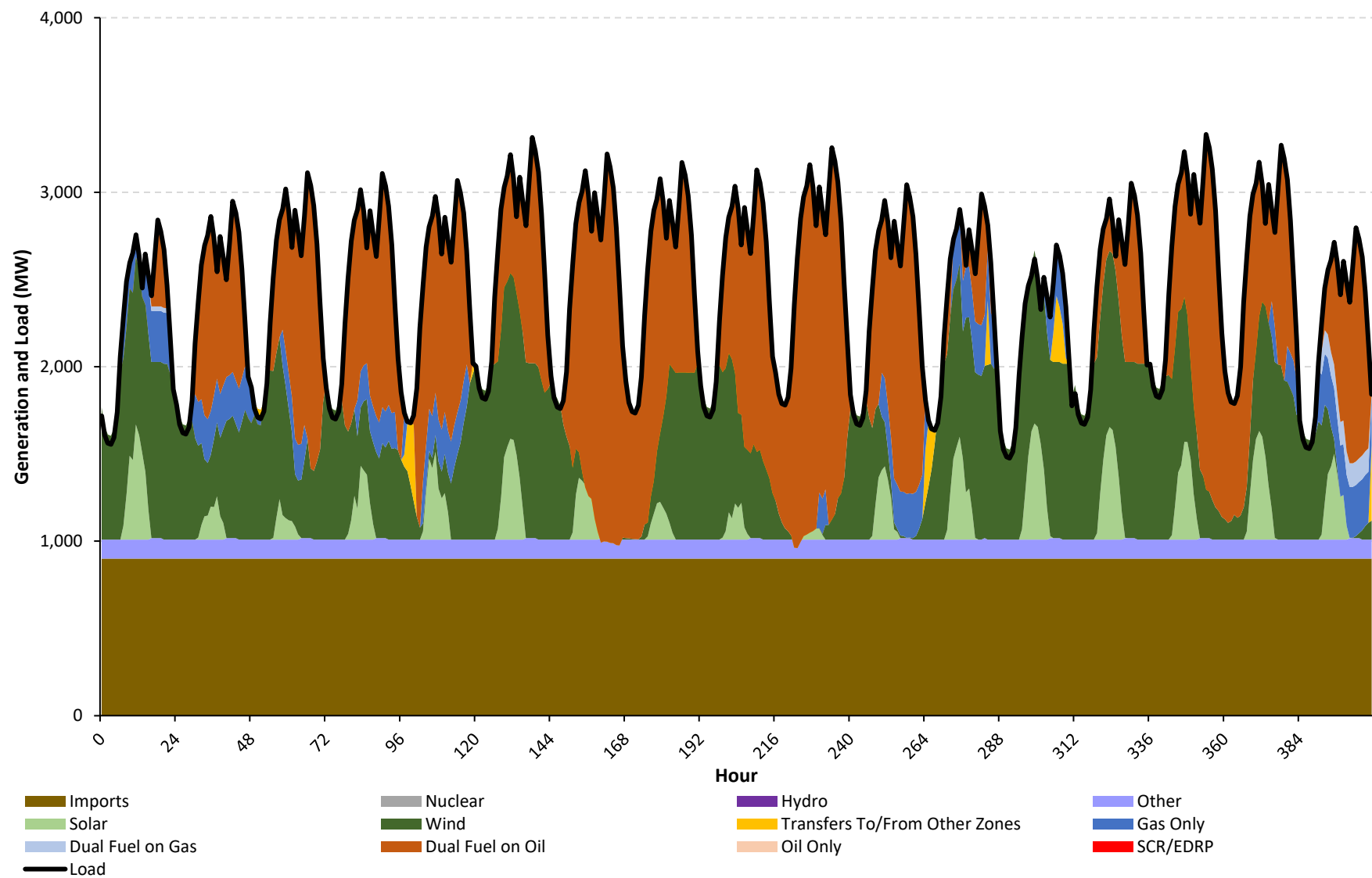


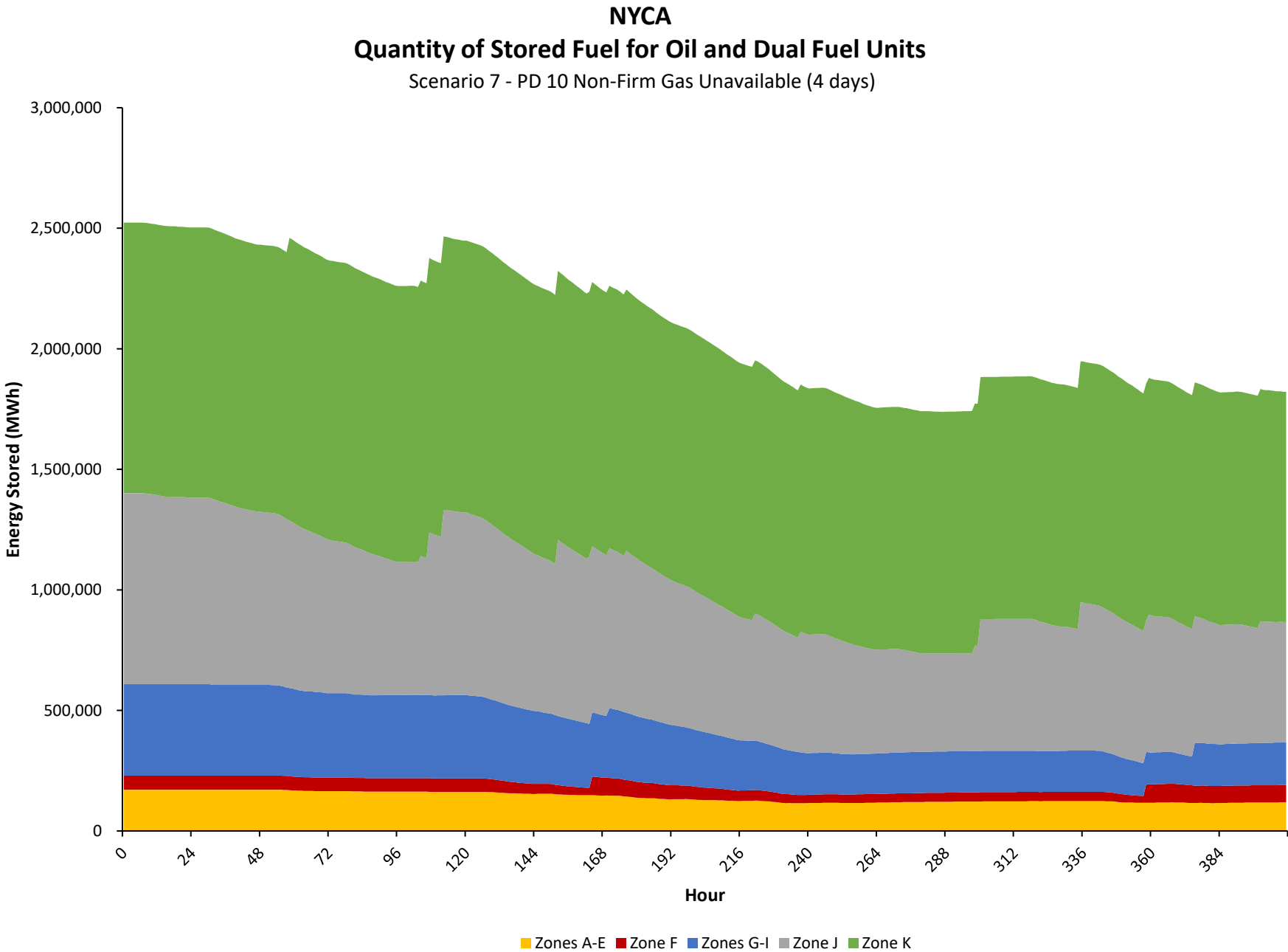


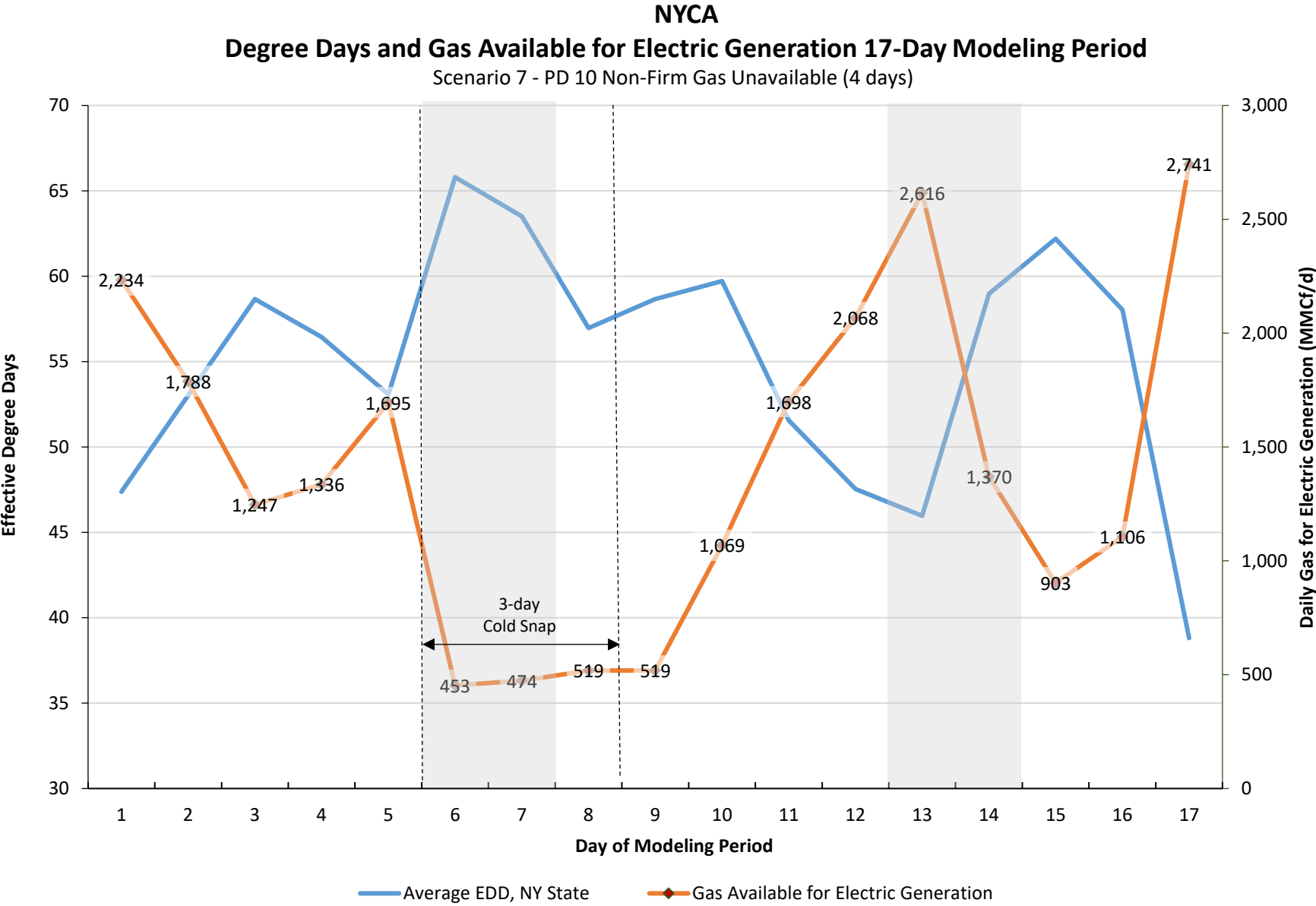




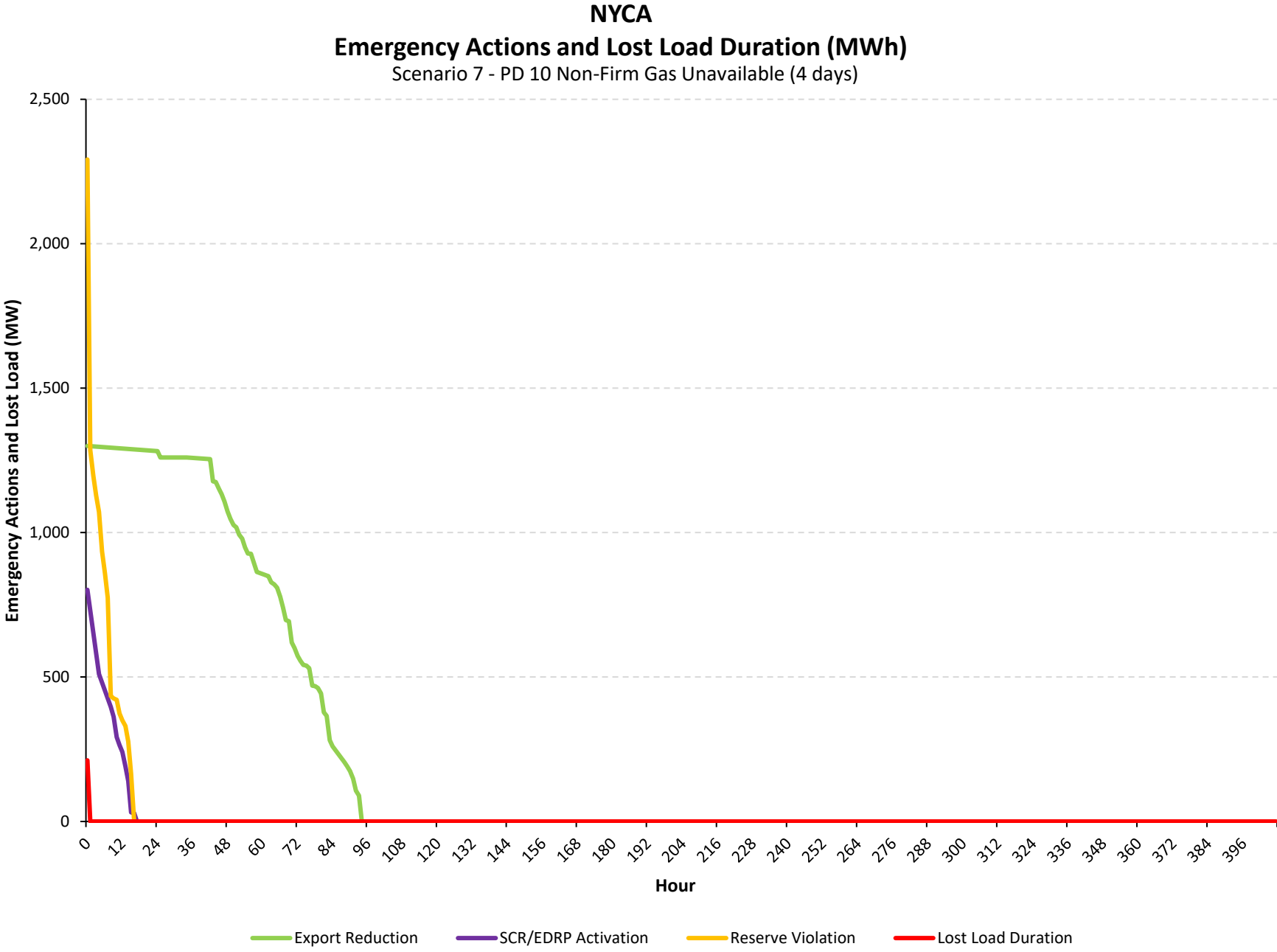
Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 7 - PD 10 Non-Firm Gas Unavailable (4 days)

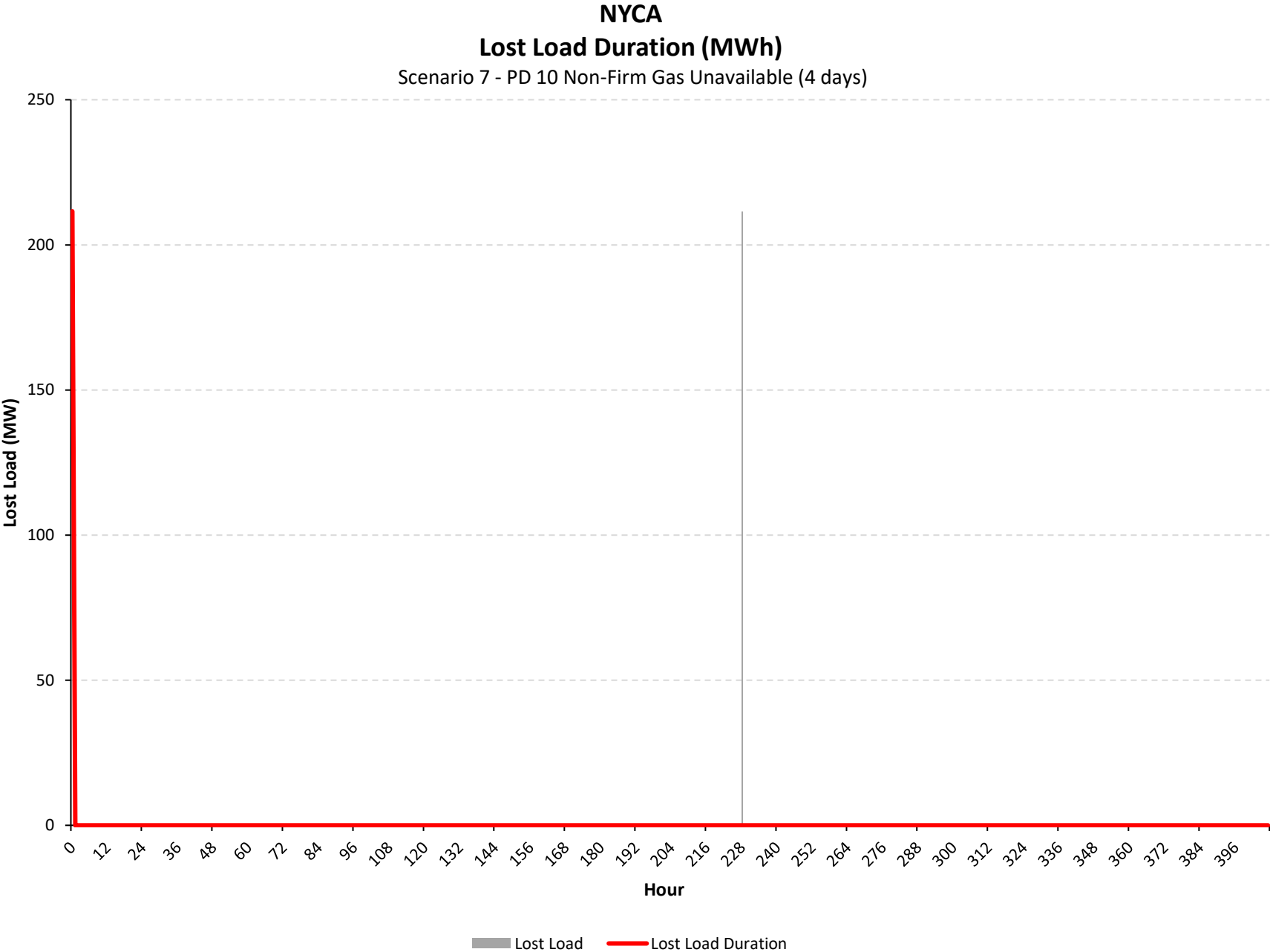






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



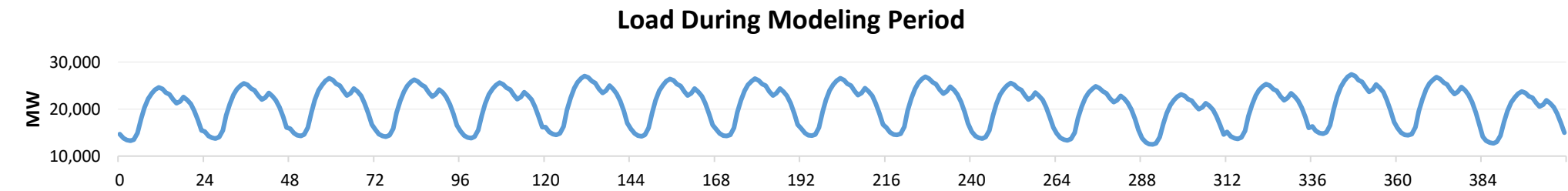


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

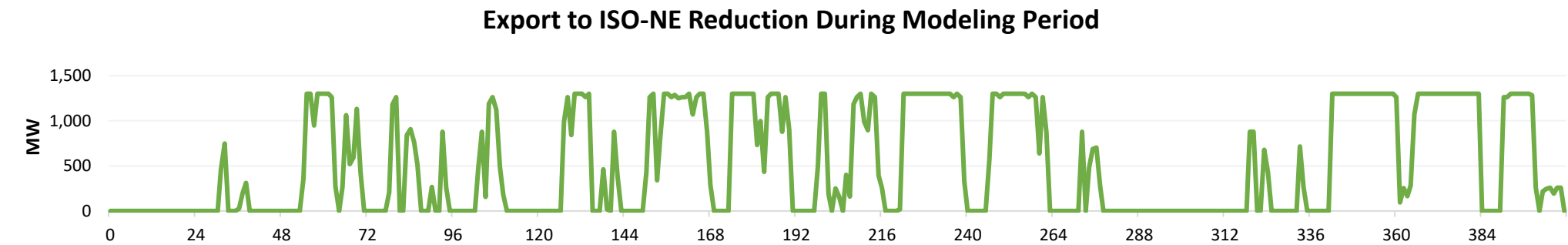
### **Case: Scenario 7 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

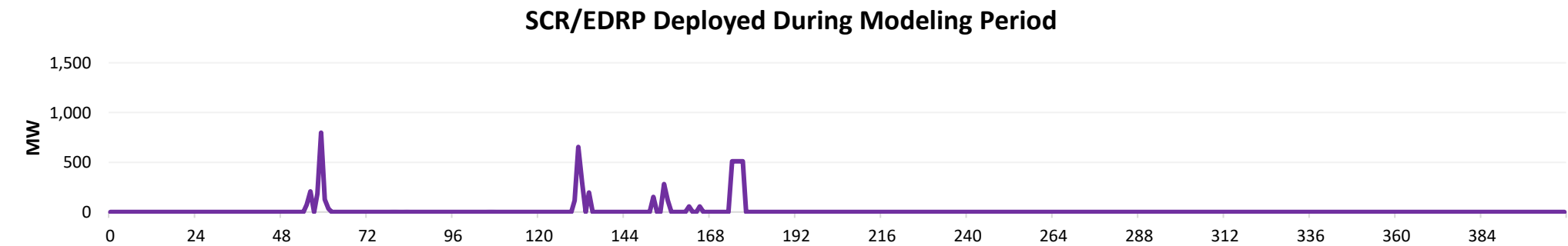
Case Name: Scenario 7 - PD 11 Combination Disruption



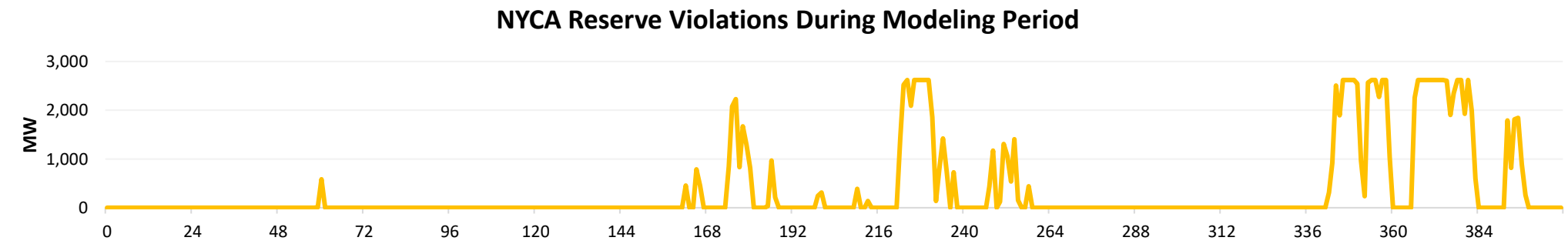
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORD) Increase: | High    |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Reduced |
| Loss of Gas Fired Gen.   | Reduced |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |



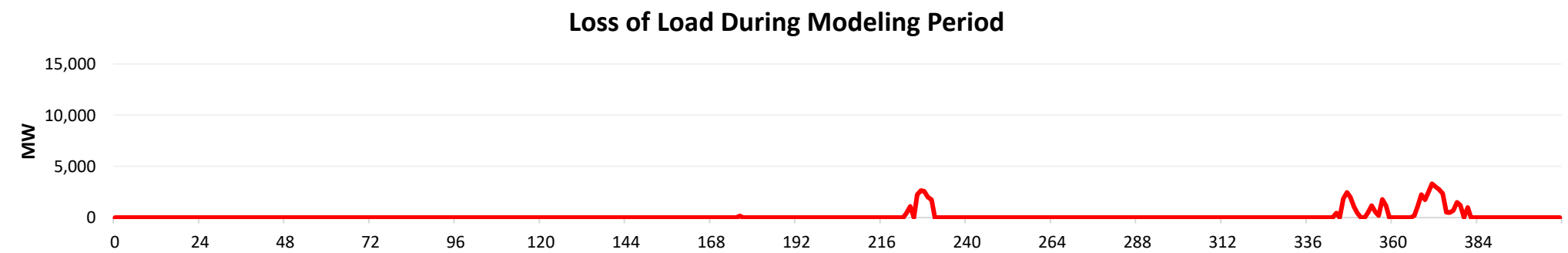
| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 209     |
| Total MWh         | 206,072 |
| Avg. MW           | 505.1   |



| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 19    |
| Total MWh      | 5,392 |
| Avg. MW        | 13.2  |



| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 85      |
| Total MWh             | 134,508 |
| Avg. MW               | 329.7   |
| First Hour with Viol. | 59      |



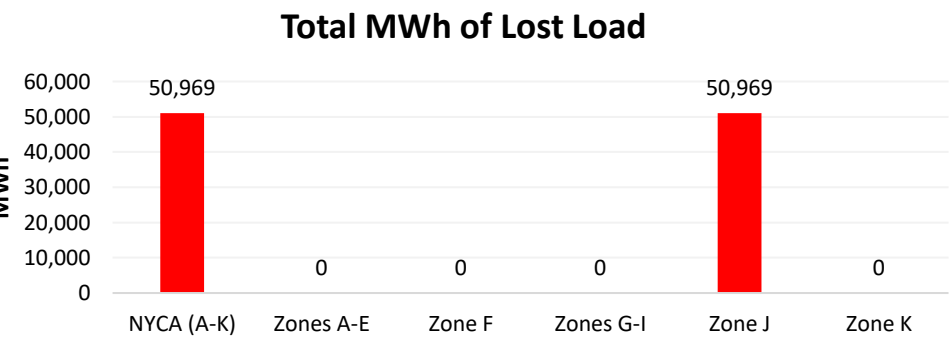
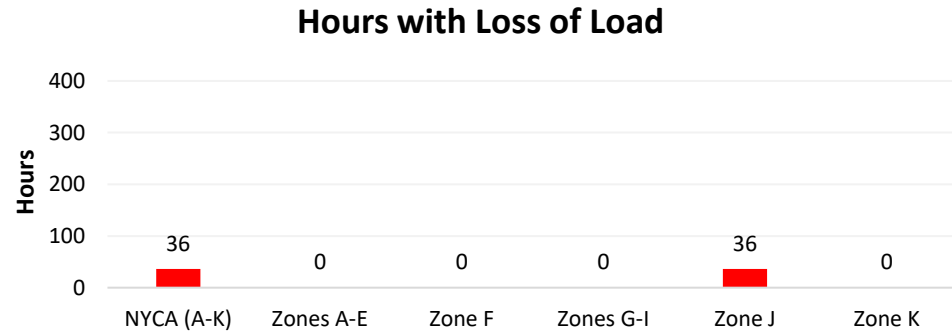
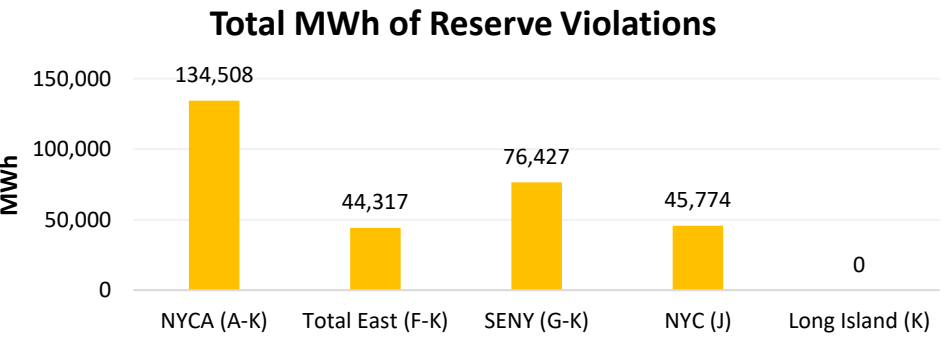
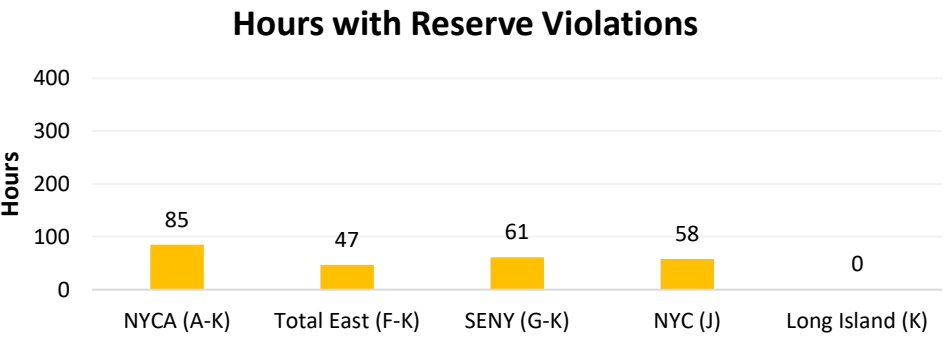
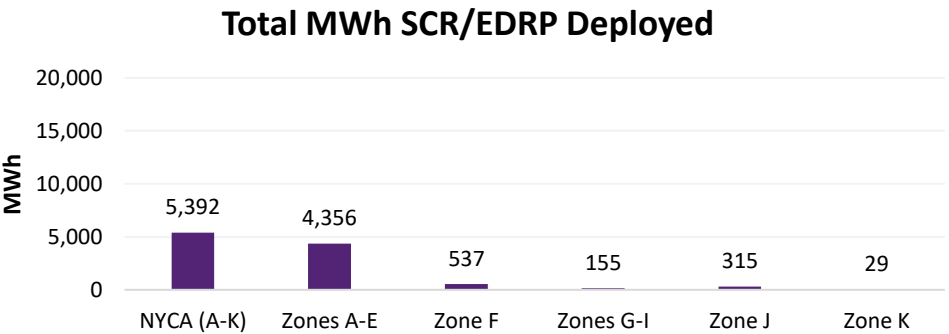
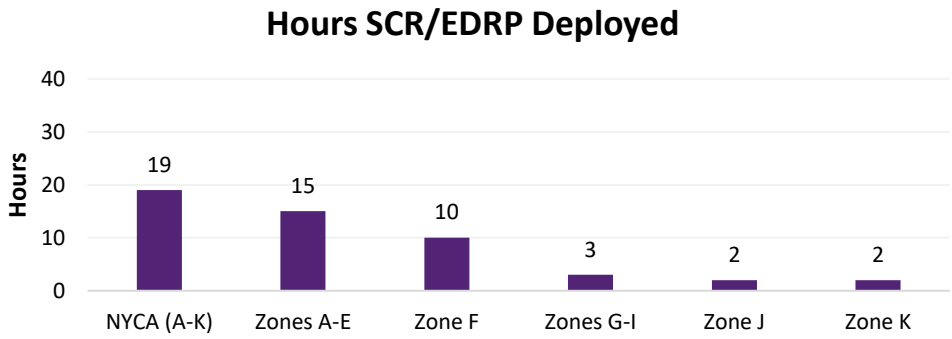
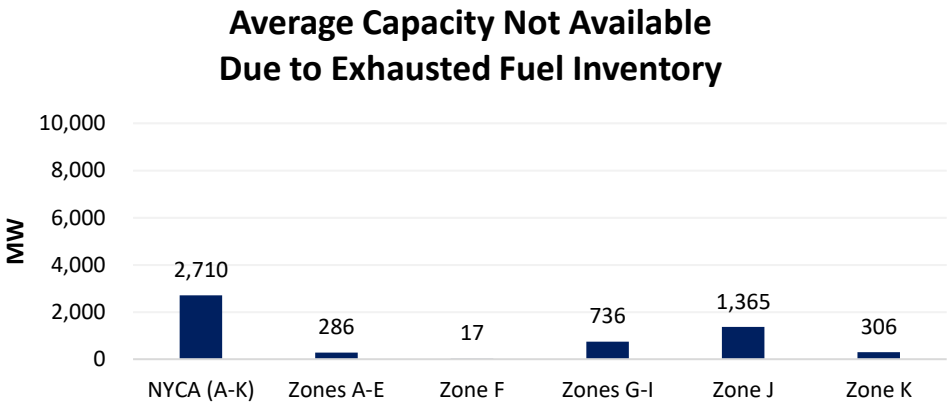
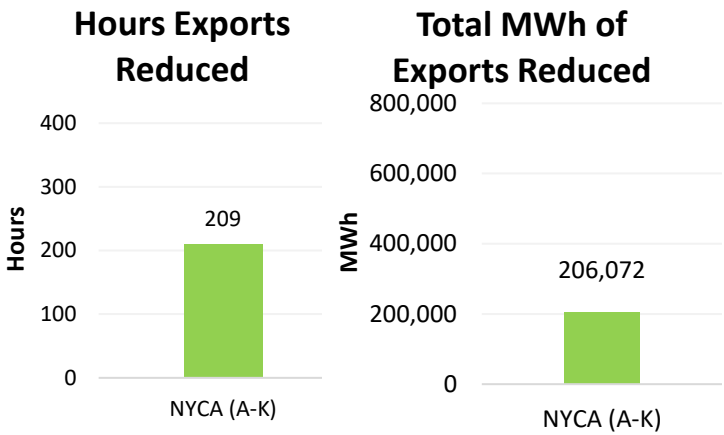
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 36     |
| Total MWh              | 50,969 |
| Avg. MW                | 124.9  |
| First Hour with Losses | 176    |

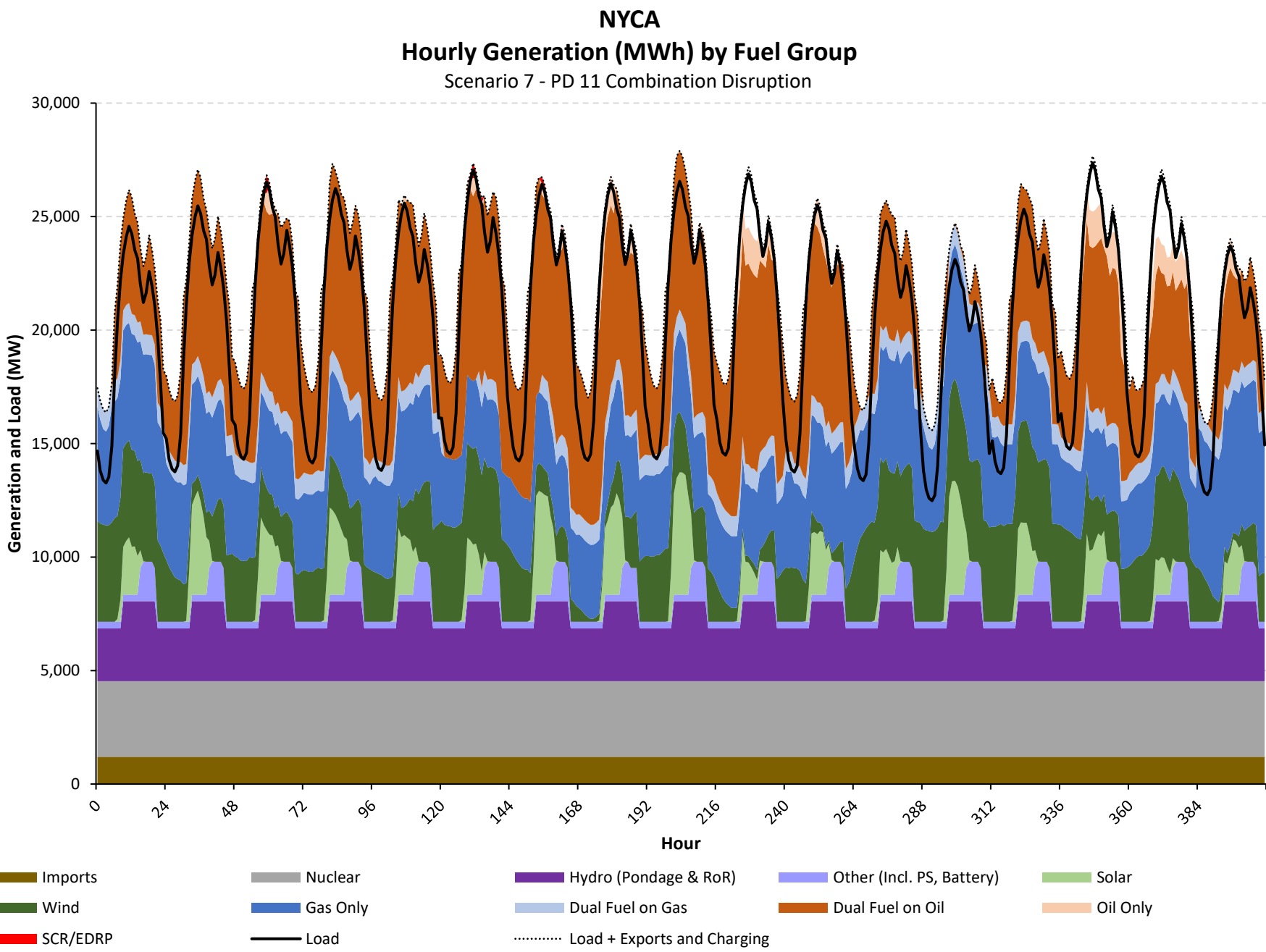


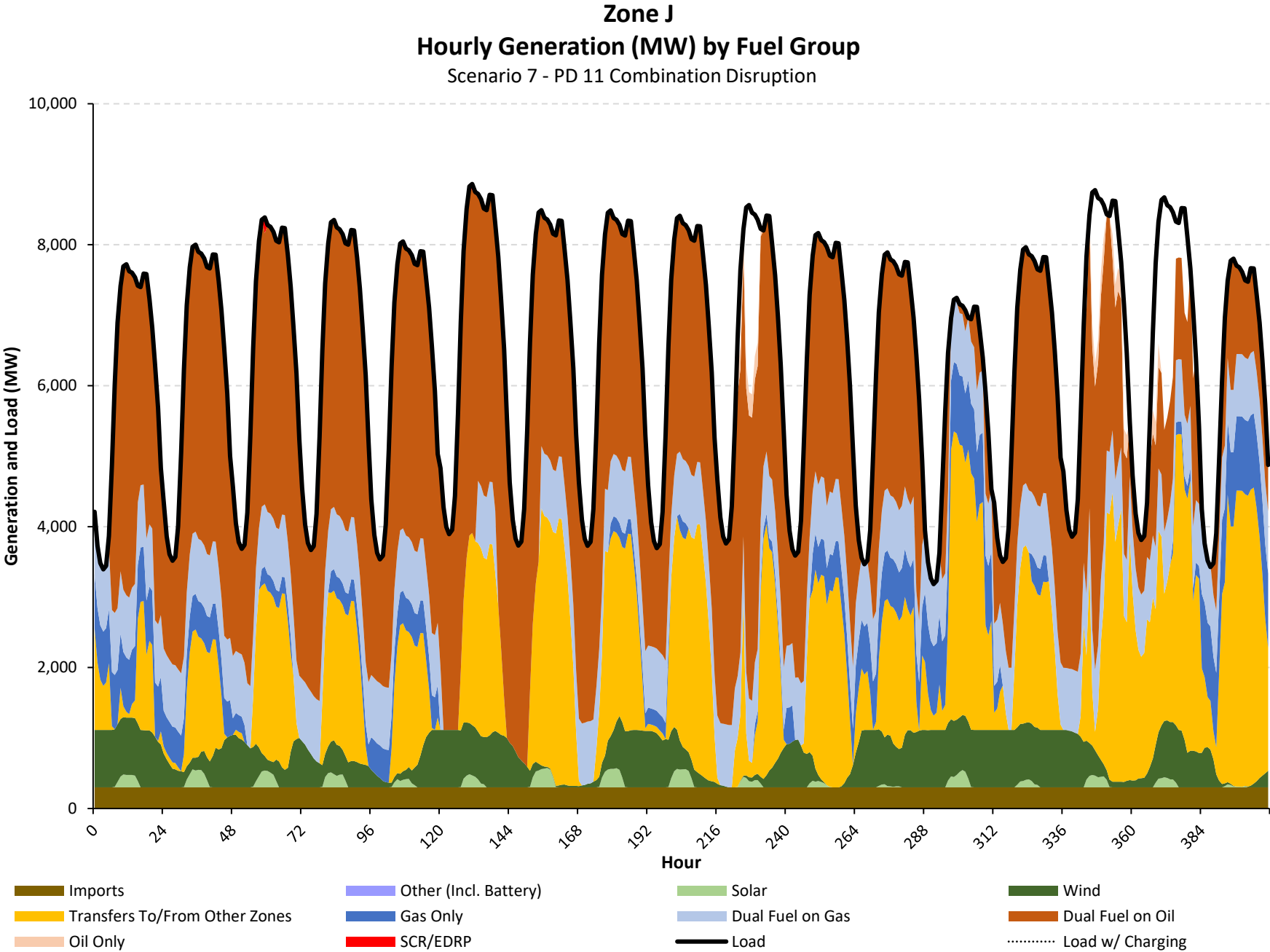
Full Period Results Summary

Case Name: Scenario 7 - PD 11 Combination Disruption

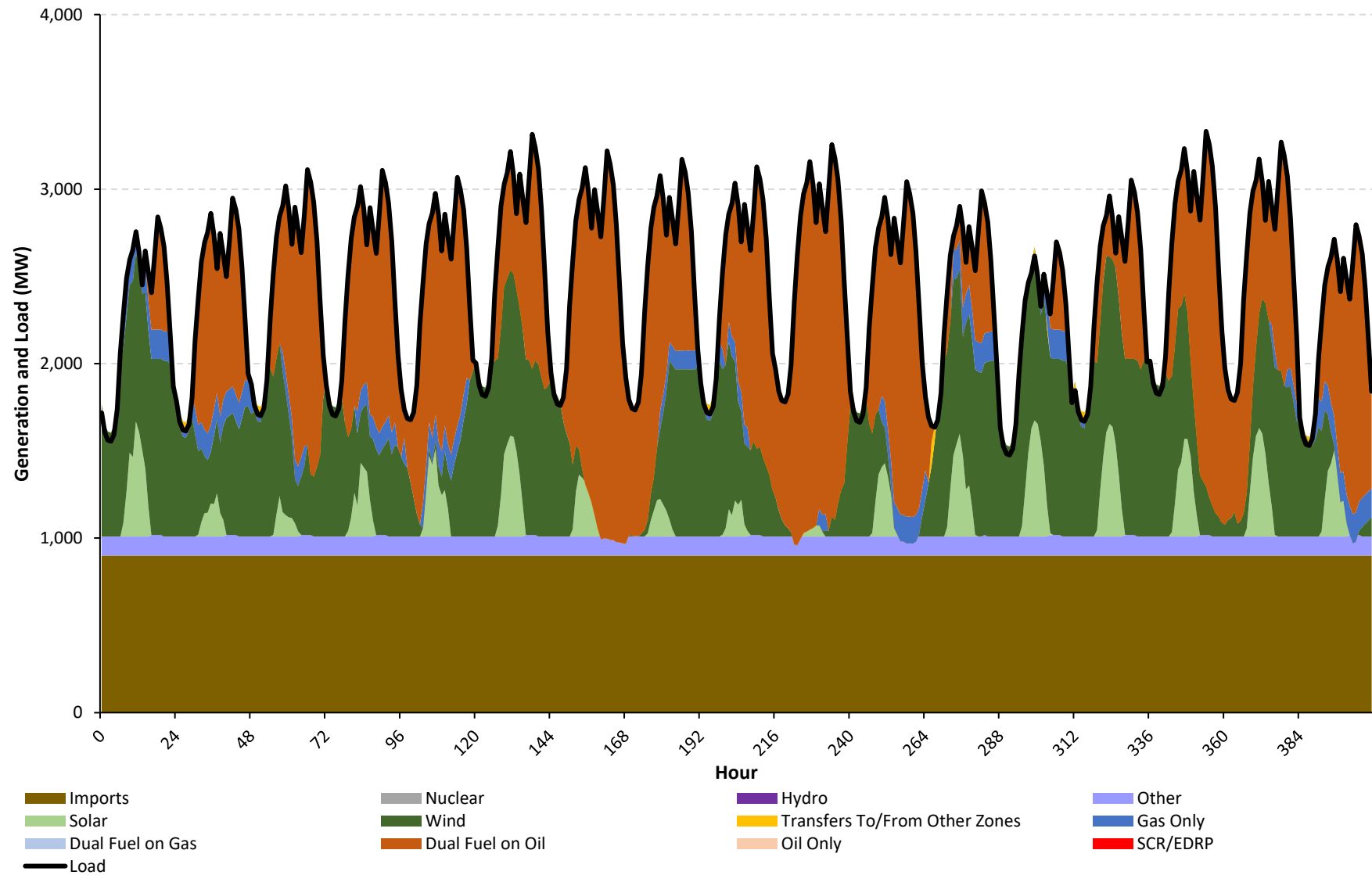
| Case Summary             |         |
|--------------------------|---------|
| Derate (EFORd) Increase: | High    |
| Starting Storage:        | High    |
| Renewables:              | Delayed |
| Refill Contingency:      | Reduced |
| Loss of Gas Fired Gen.   | Reduced |
| Nuclear Contingency:     | Off     |
| Plant Outage:            | None    |
| Import Scenario:         | All     |



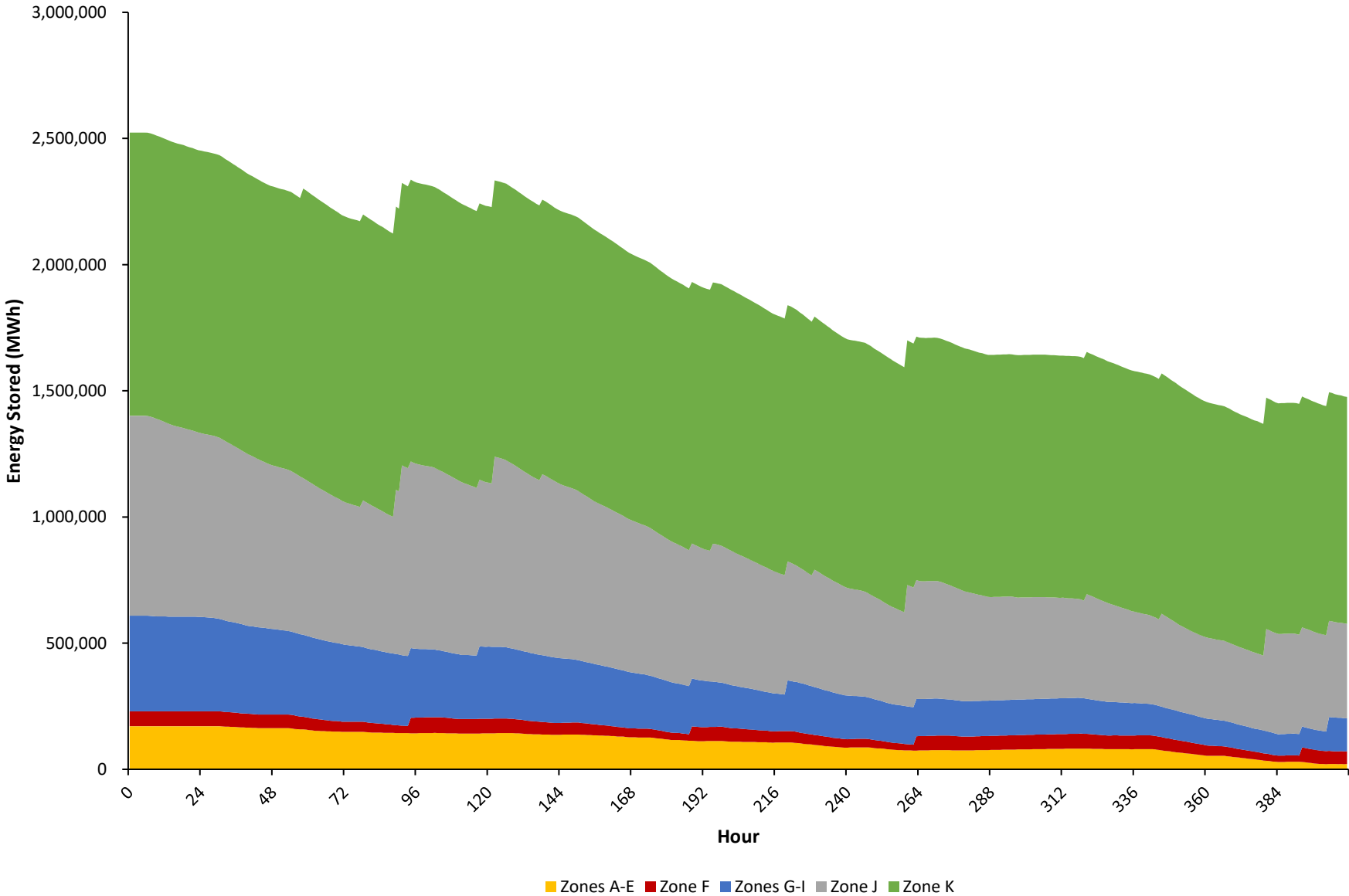


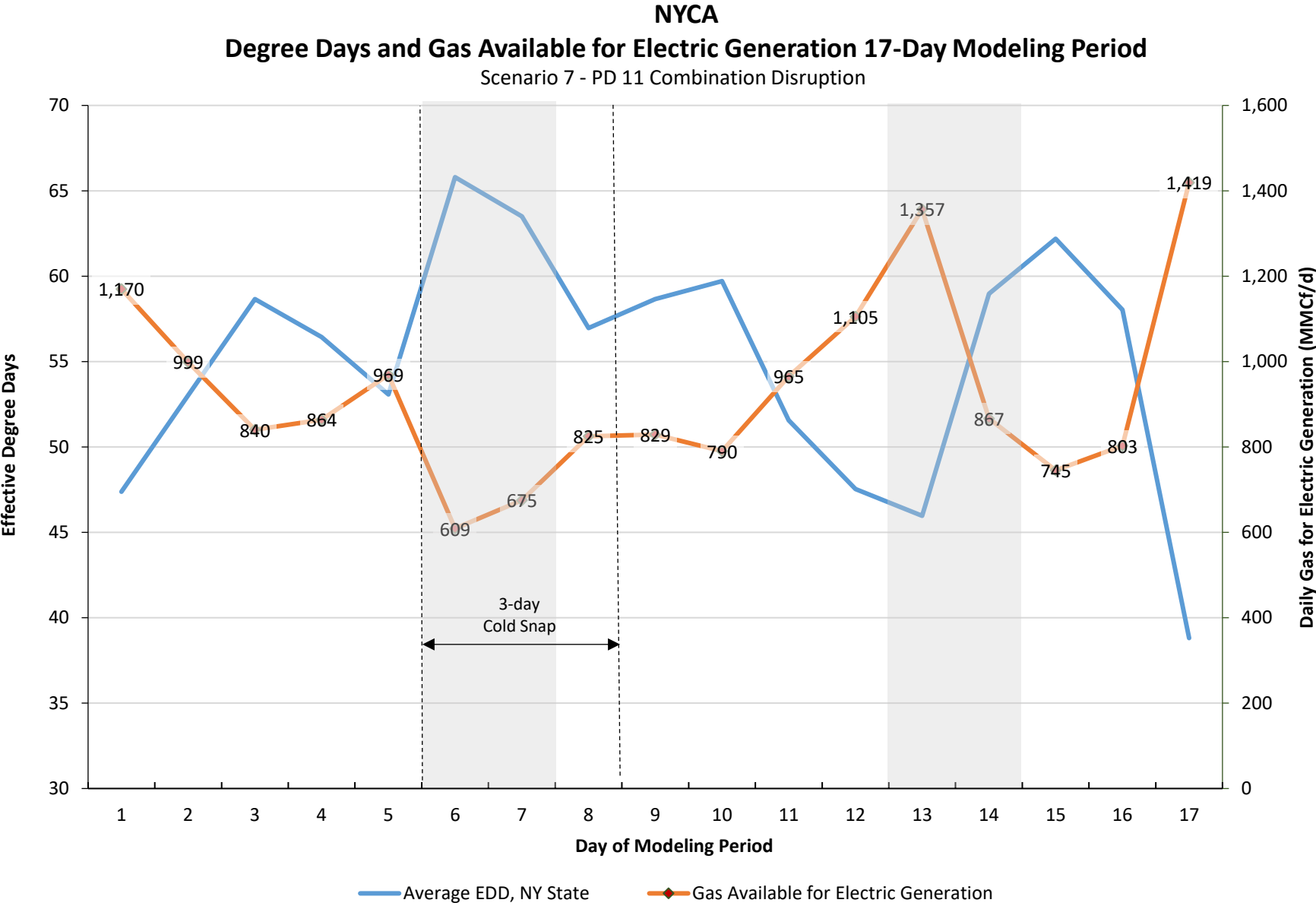


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 7 - PD 11 Combination Disruption



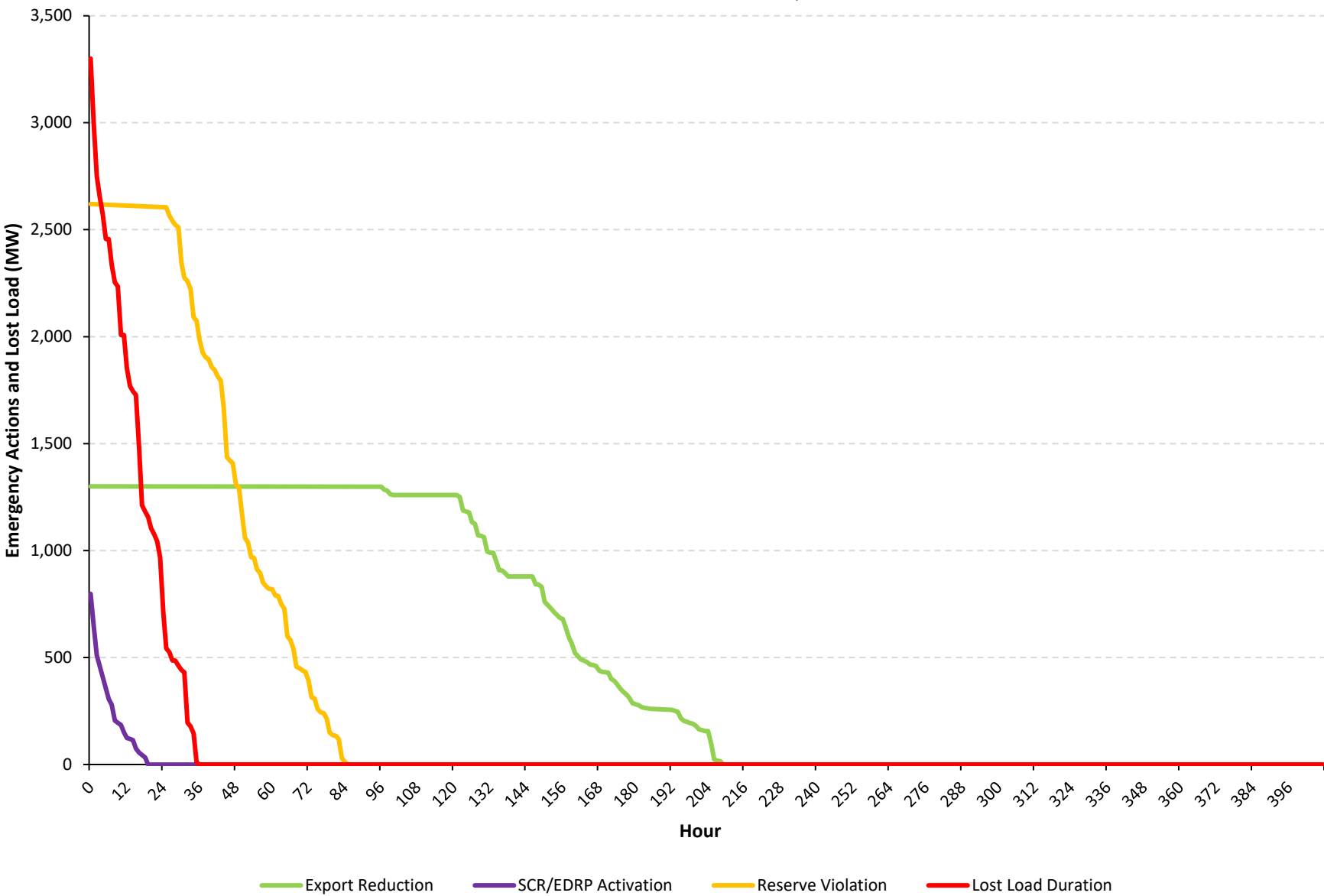
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 7 - PD 11 Combination Disruption

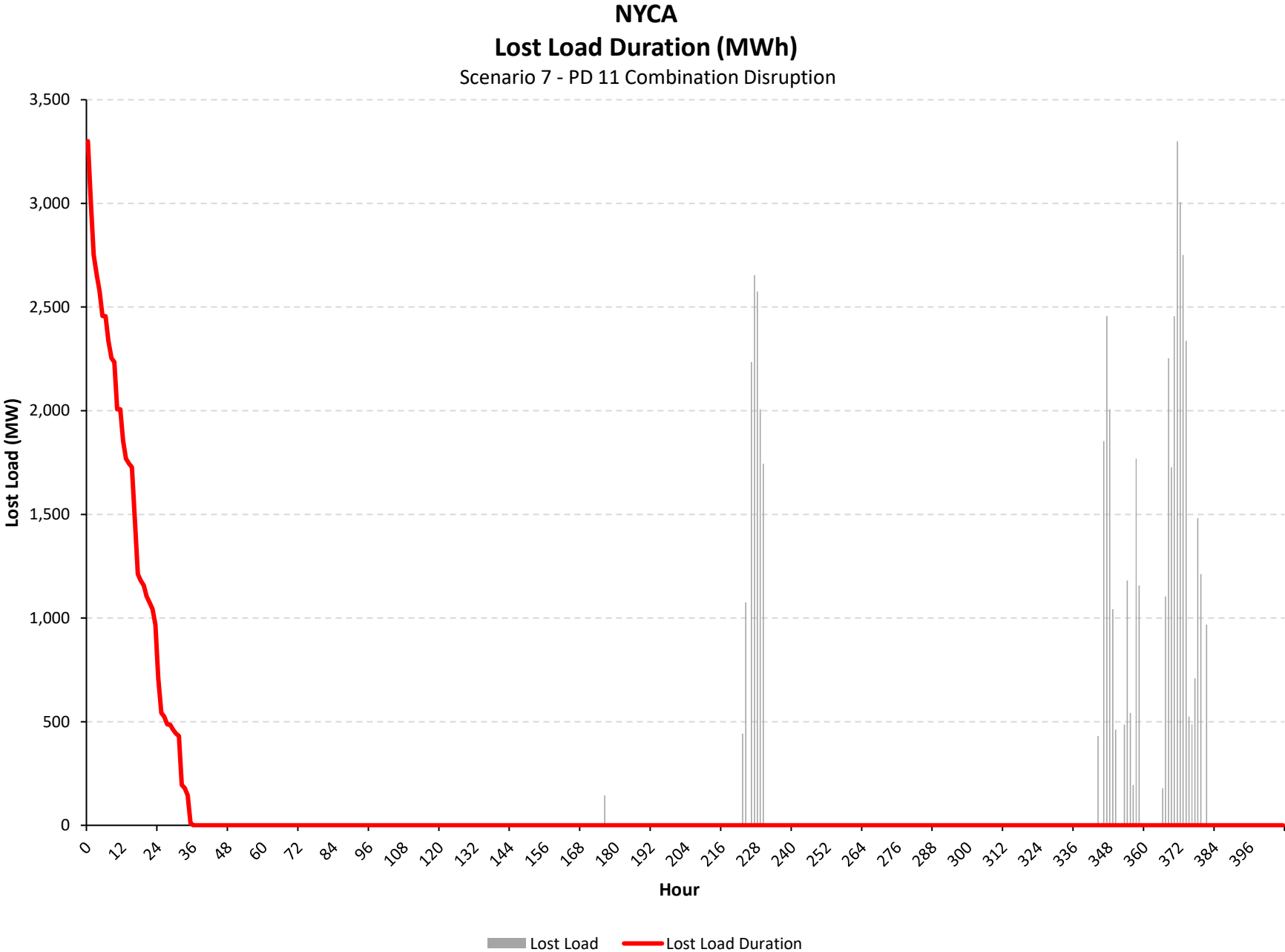




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.

NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 7 - PD 11 Combination Disruption





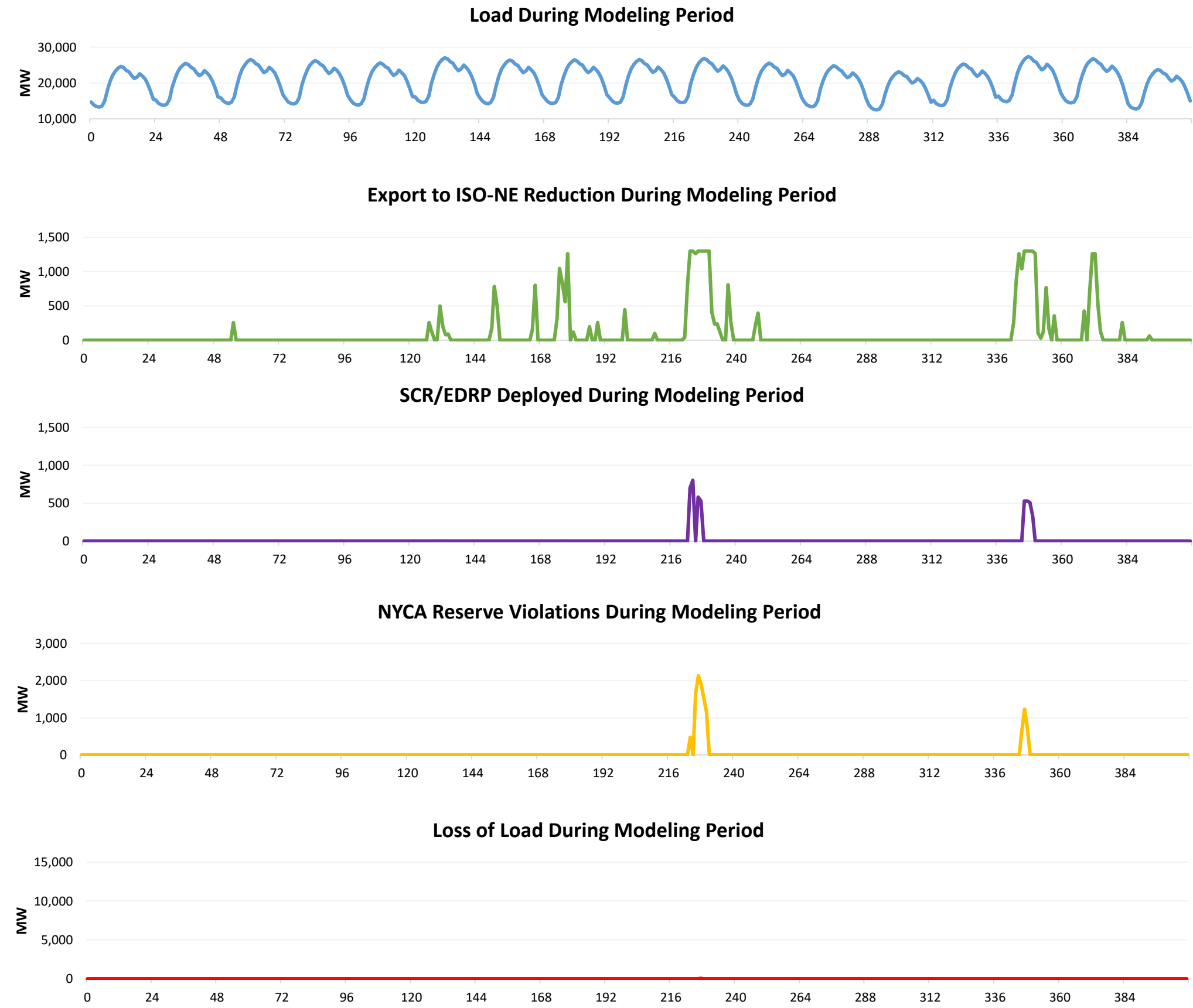


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 1 No Disruptions (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 1 No Disruptions



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 65     |
| Total MWh         | 38,956 |
| Avg. MW           | 95.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 8     |
| Total MWh      | 4,497 |
| Avg. MW        | 11.0  |

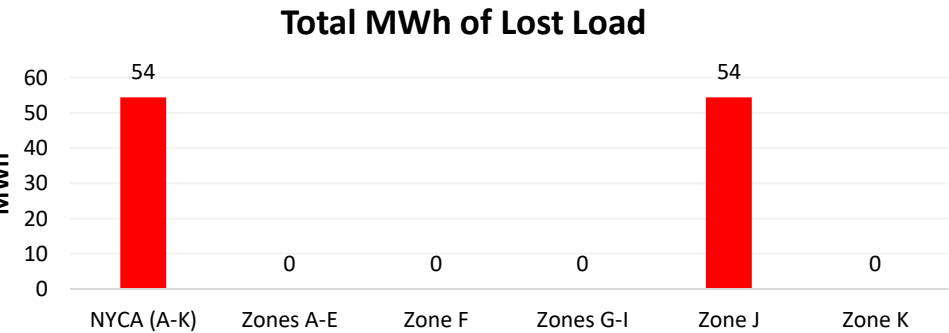
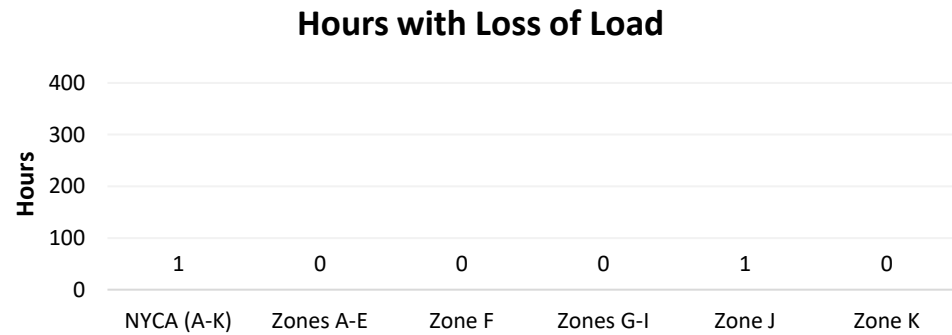
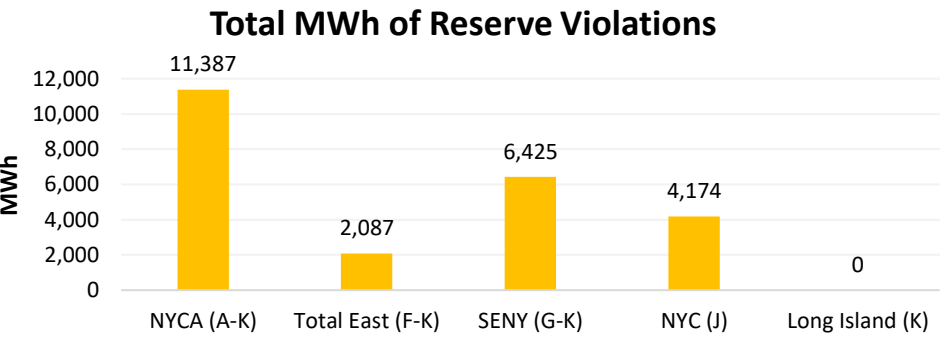
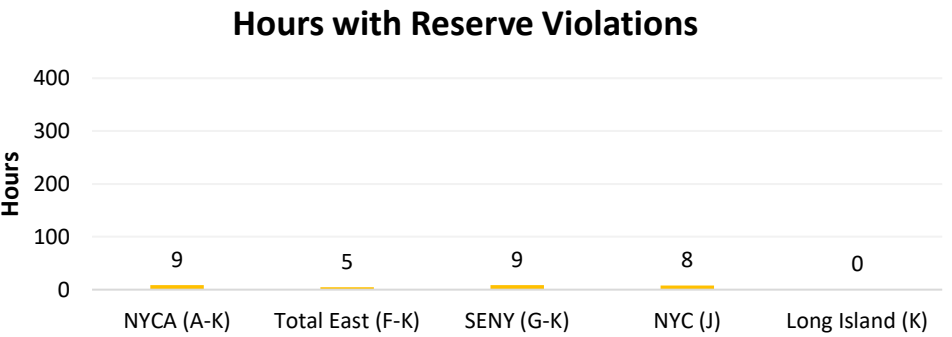
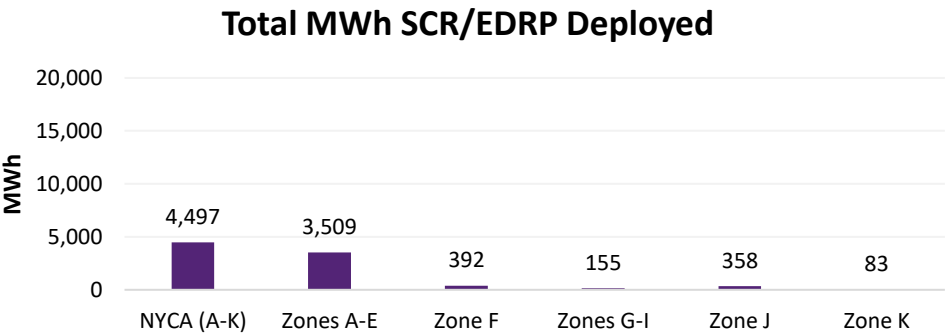
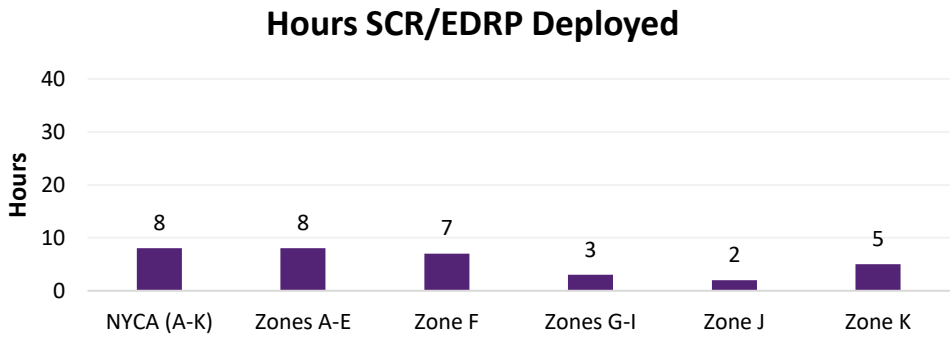
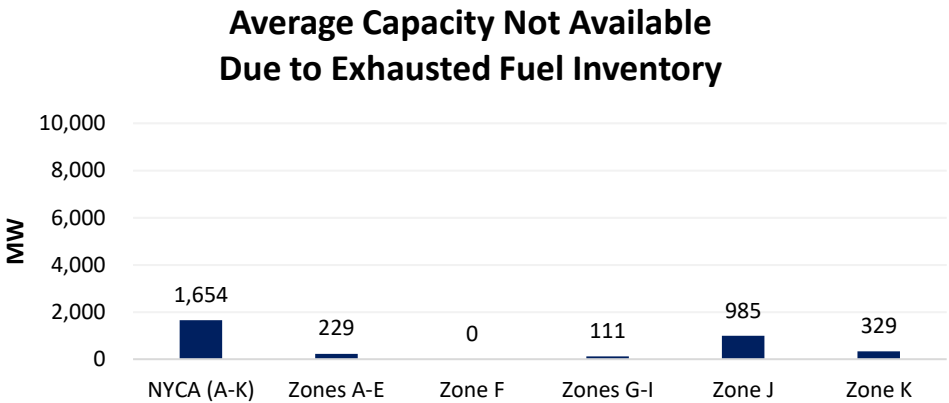
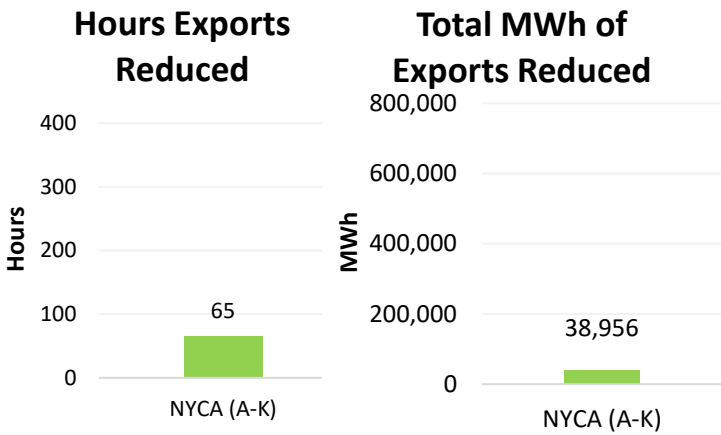
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 9      |
| Total MWh             | 11,387 |
| Avg. MW               | 27.9   |
| First Hour with Viol. | 224    |

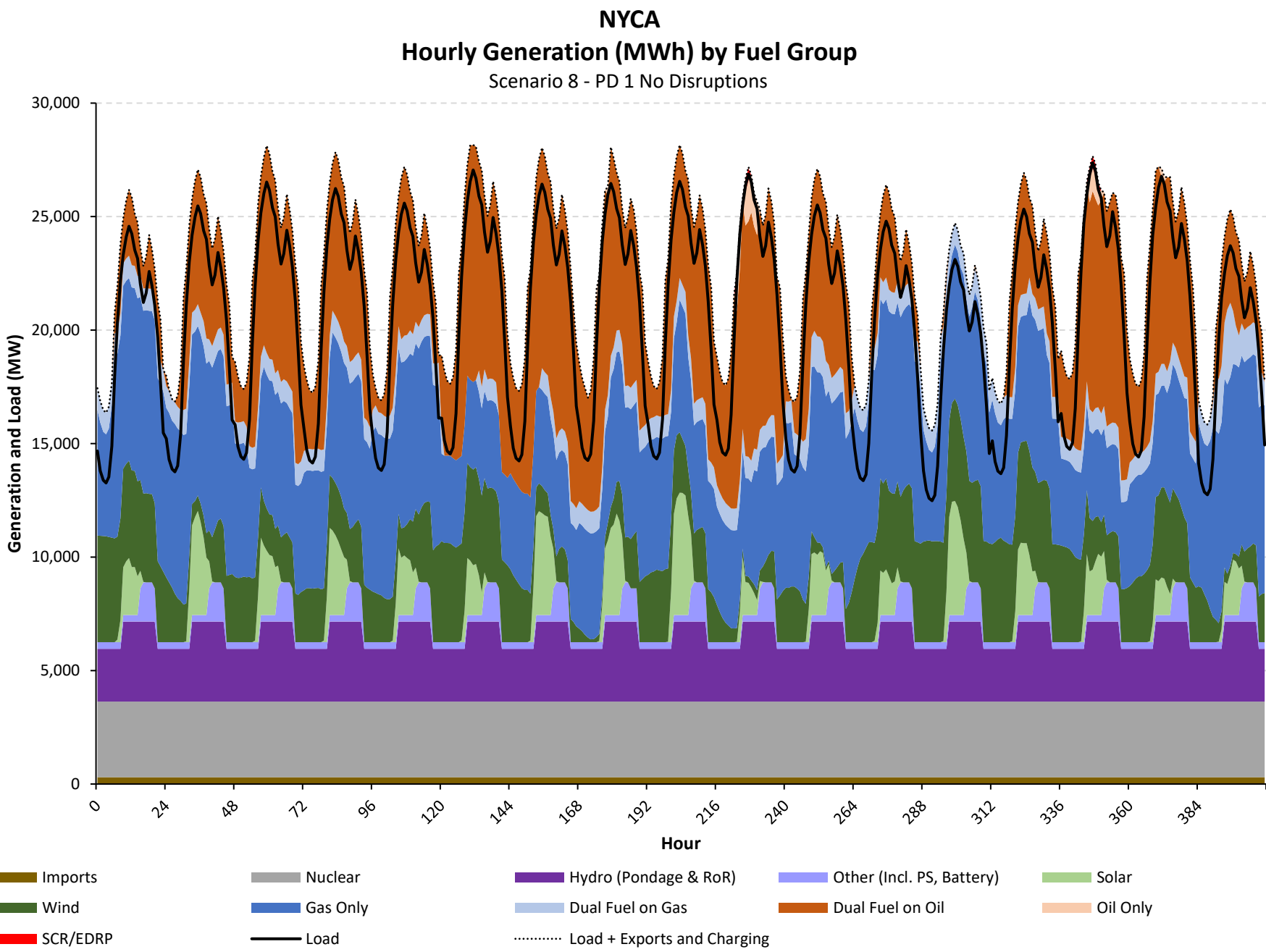
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 1   |
| Total MWh              | 54  |
| Avg. MW                | 0.1 |
| First Hour with Losses | 227 |

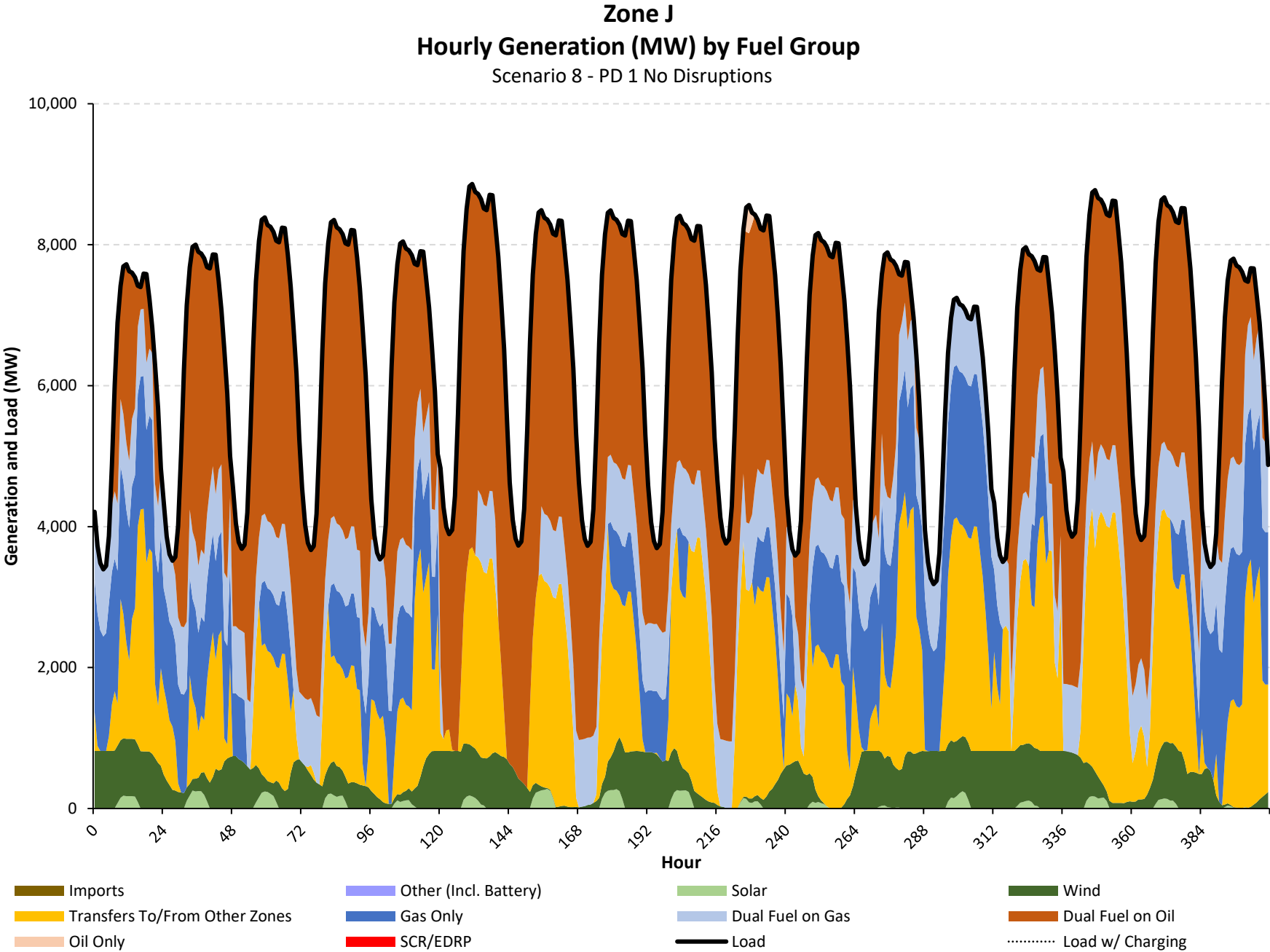
Full Period Results Summary

Case Name: Scenario 8 - PD 1 No Disruptions

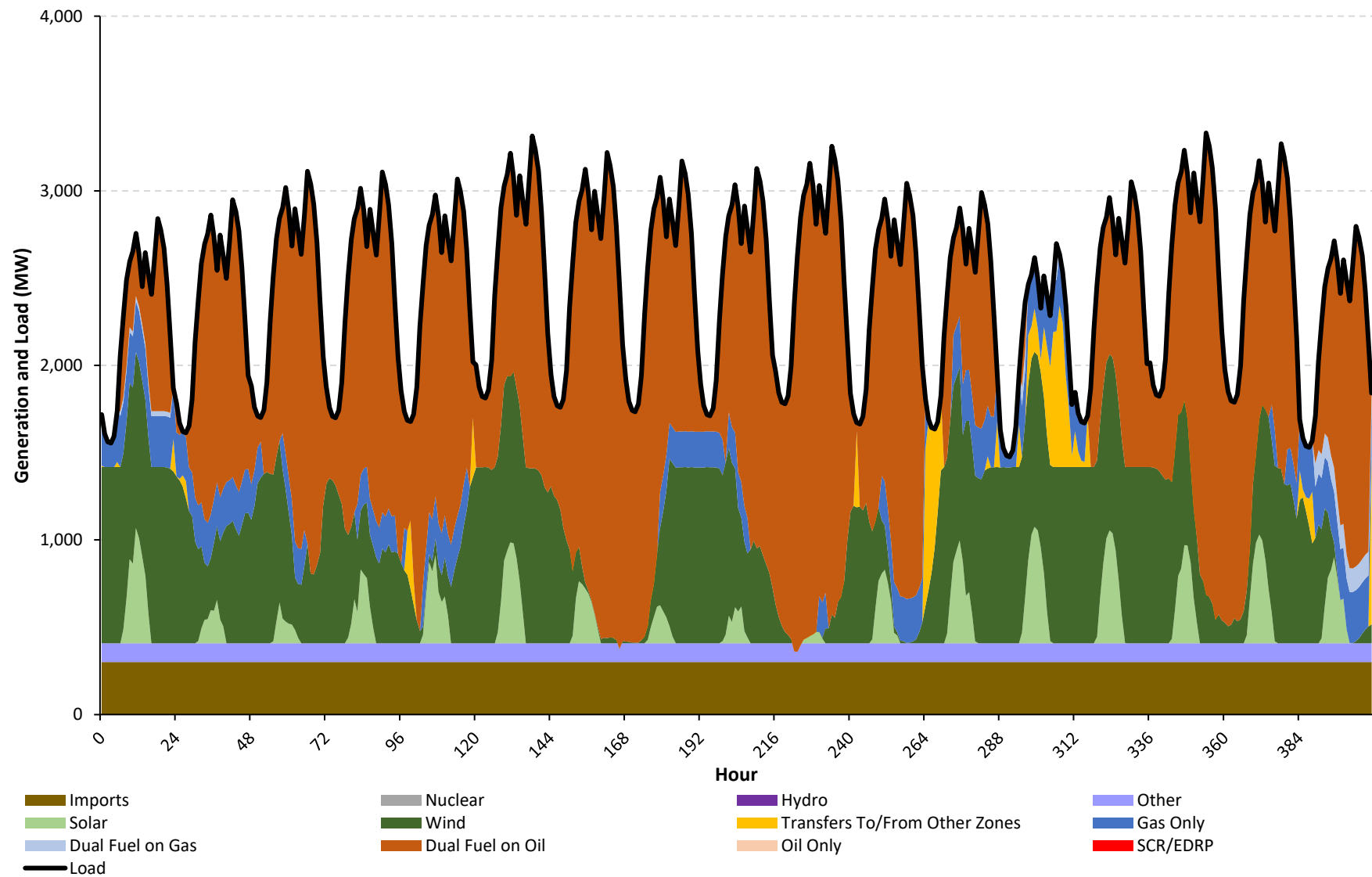
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

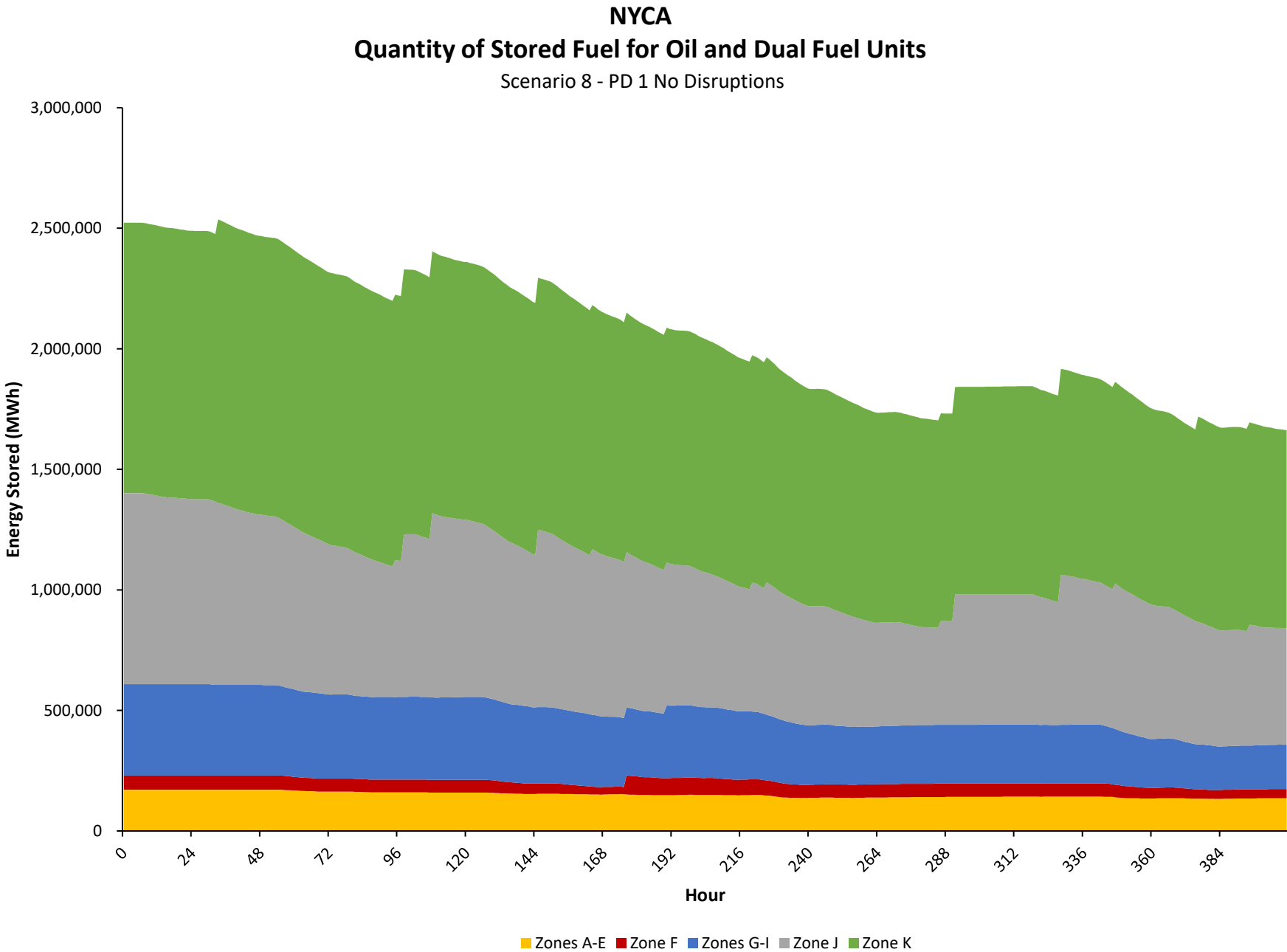


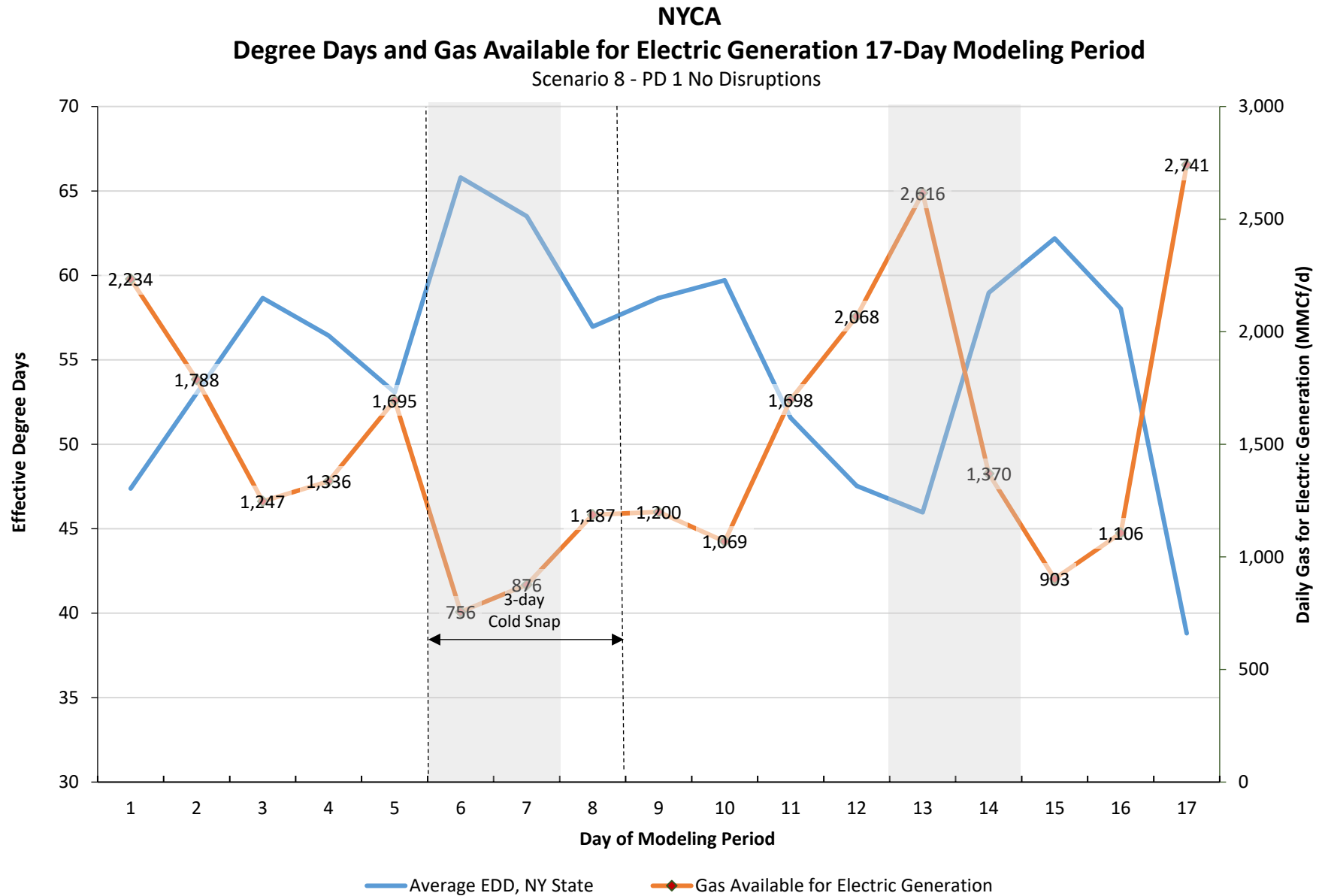




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 1 No Disruptions



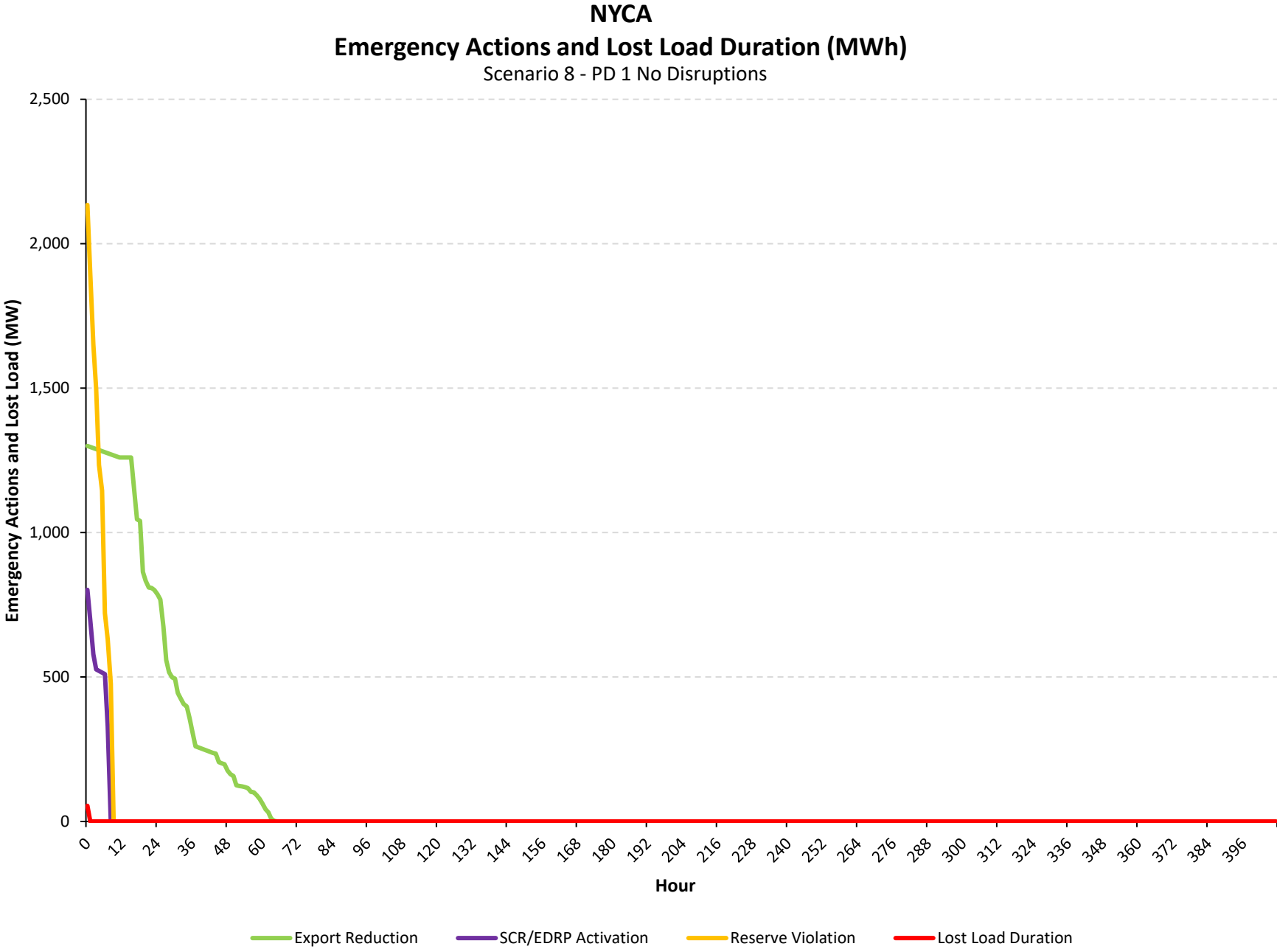


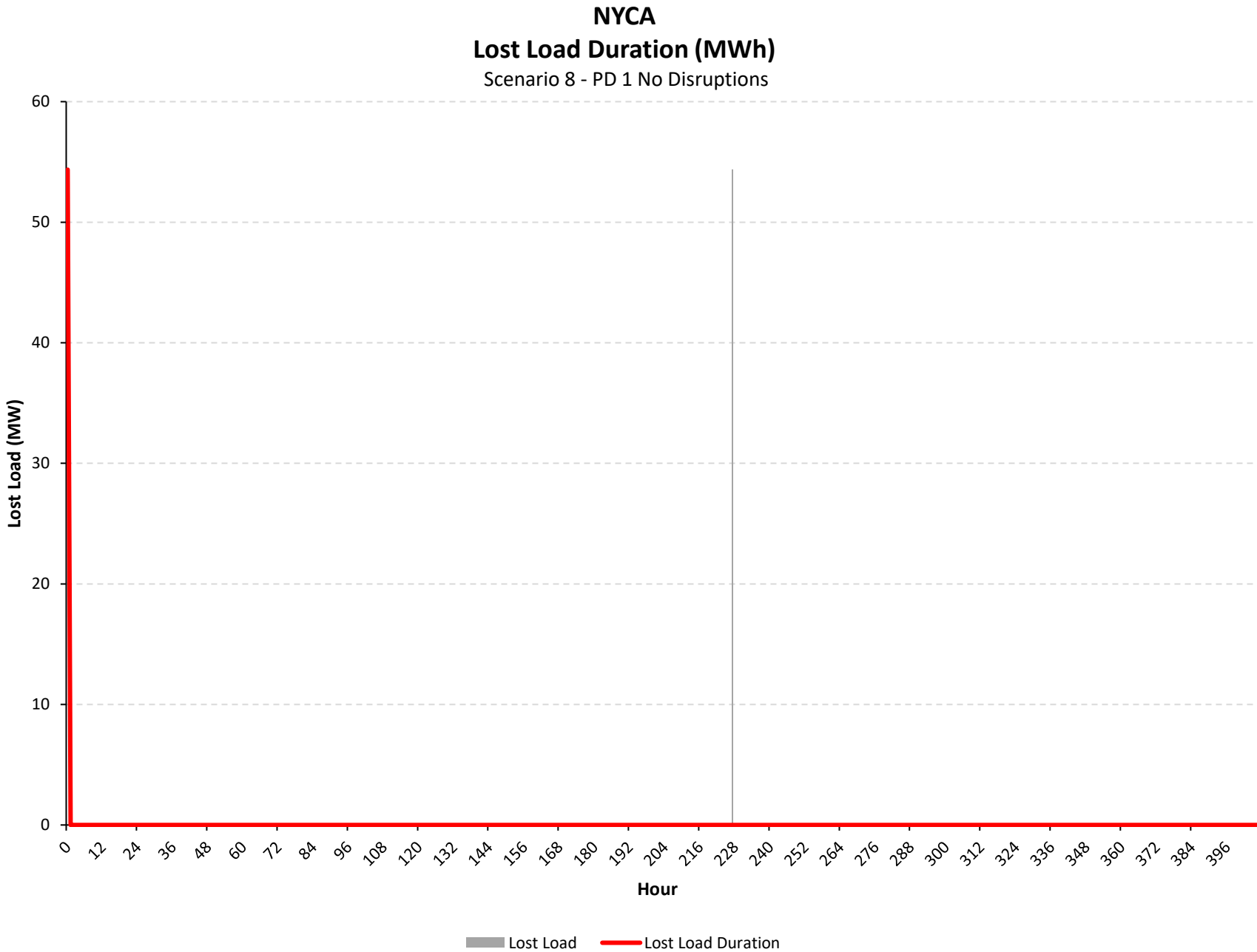


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.





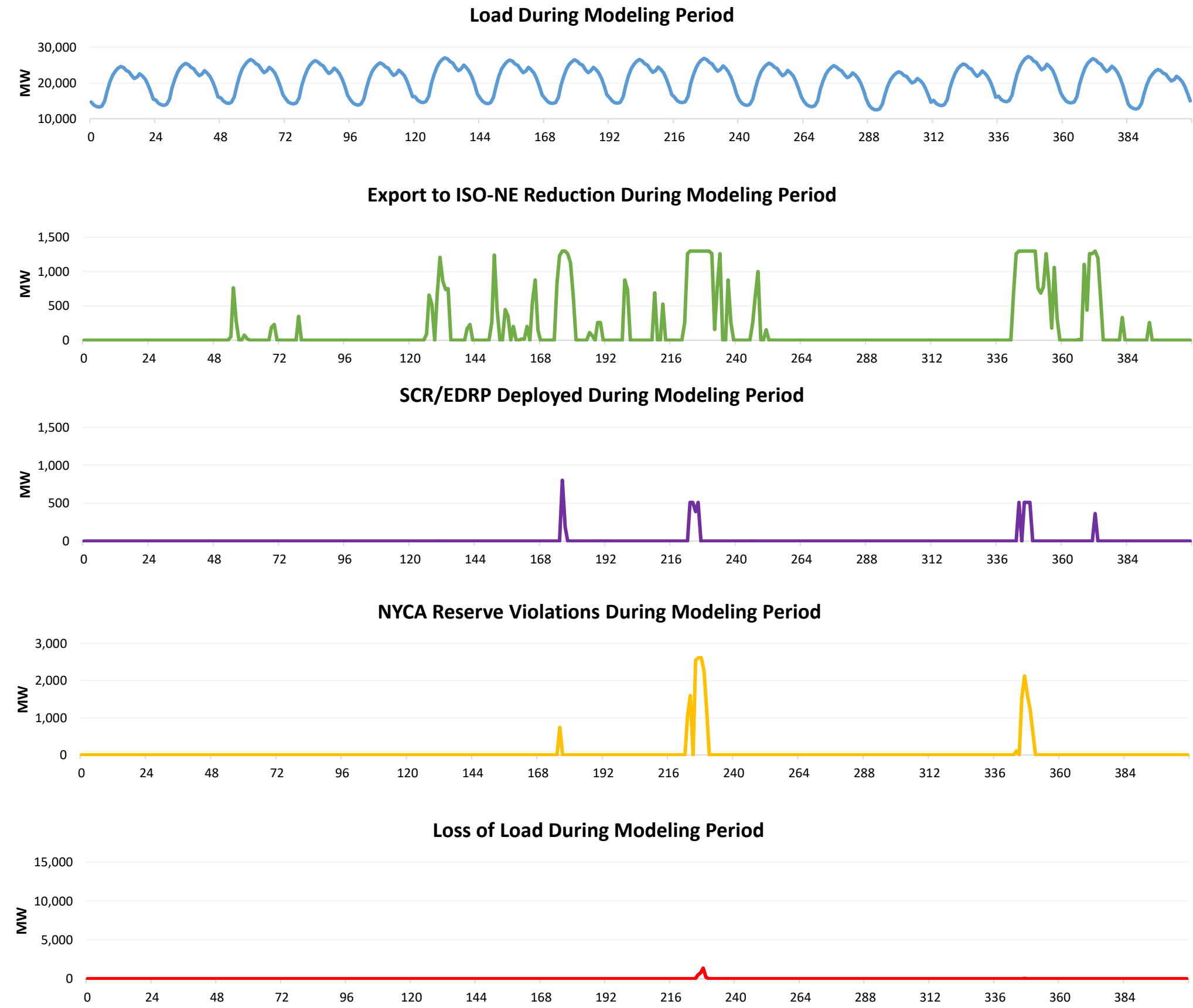


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 2 High Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 2 High Outage



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | High     |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 93     |
| Total MWh         | 67,159 |
| Avg. MW           | 164.6  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 11    |
| Total MWh      | 5,313 |
| Avg. MW        | 13.0  |

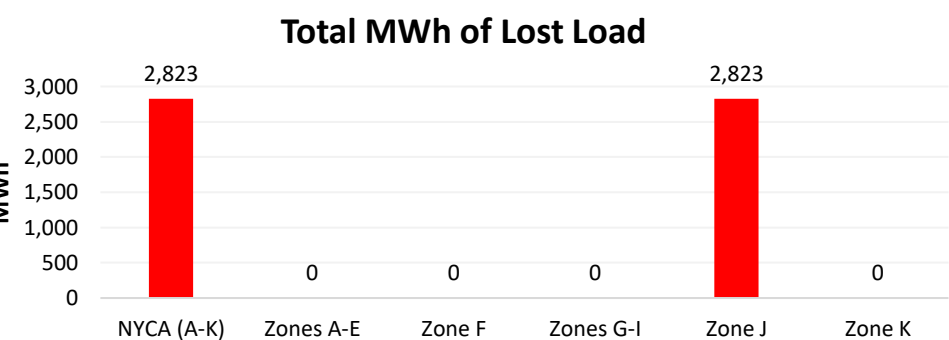
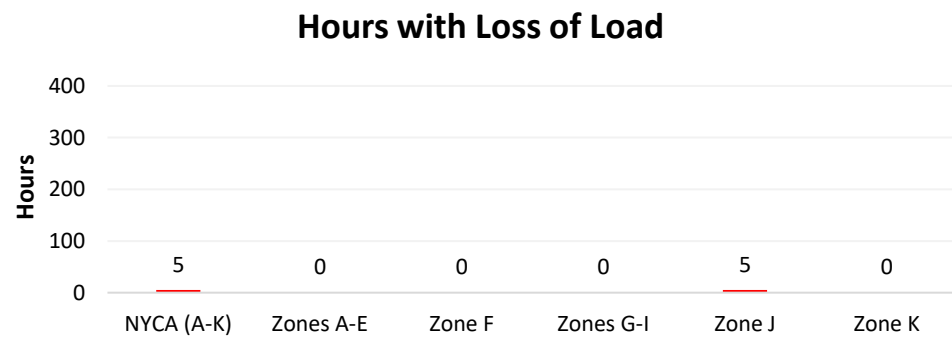
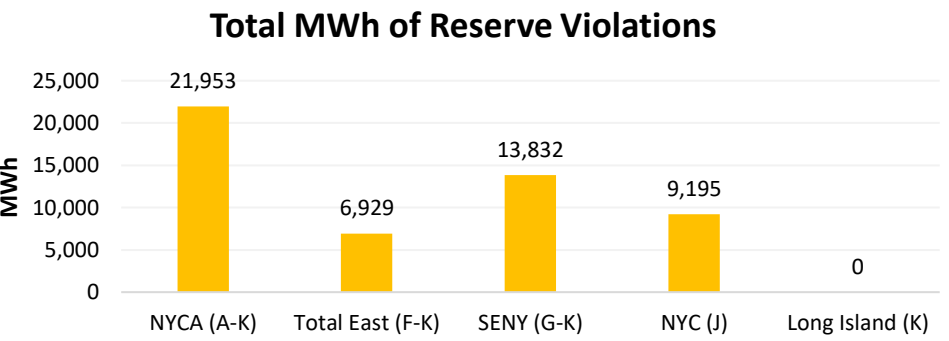
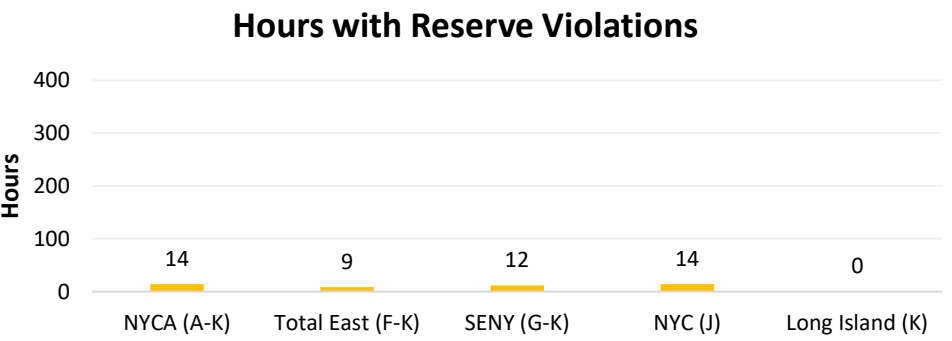
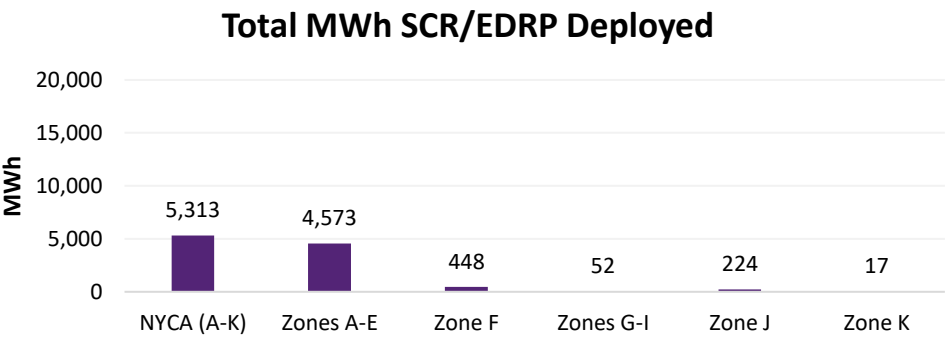
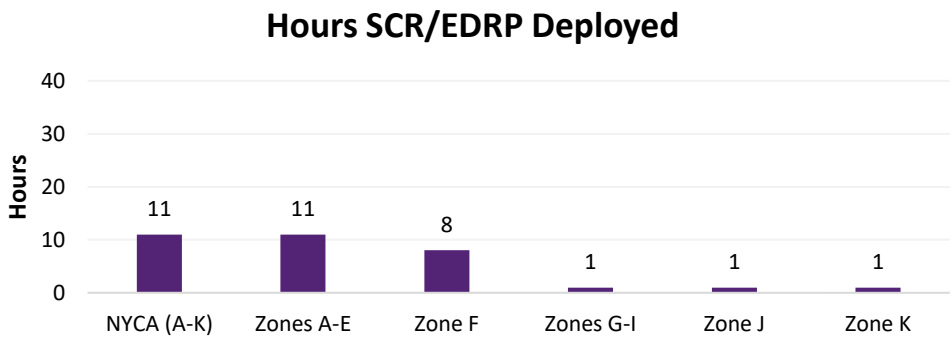
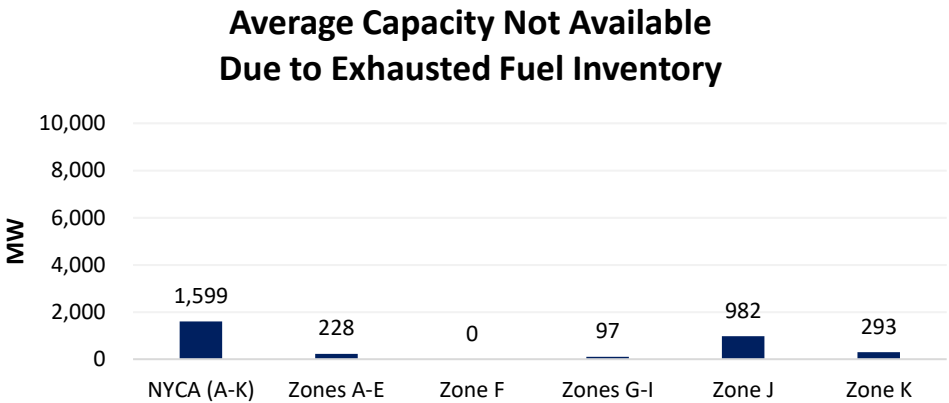
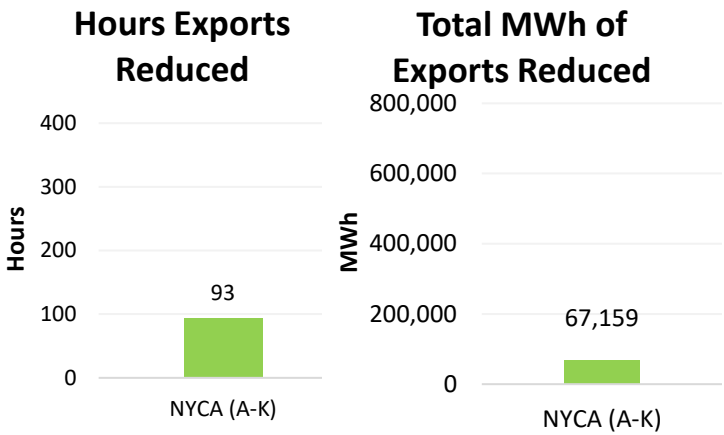
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 14     |
| Total MWh             | 21,953 |
| Avg. MW               | 53.8   |
| First Hour with Viol. | 176    |

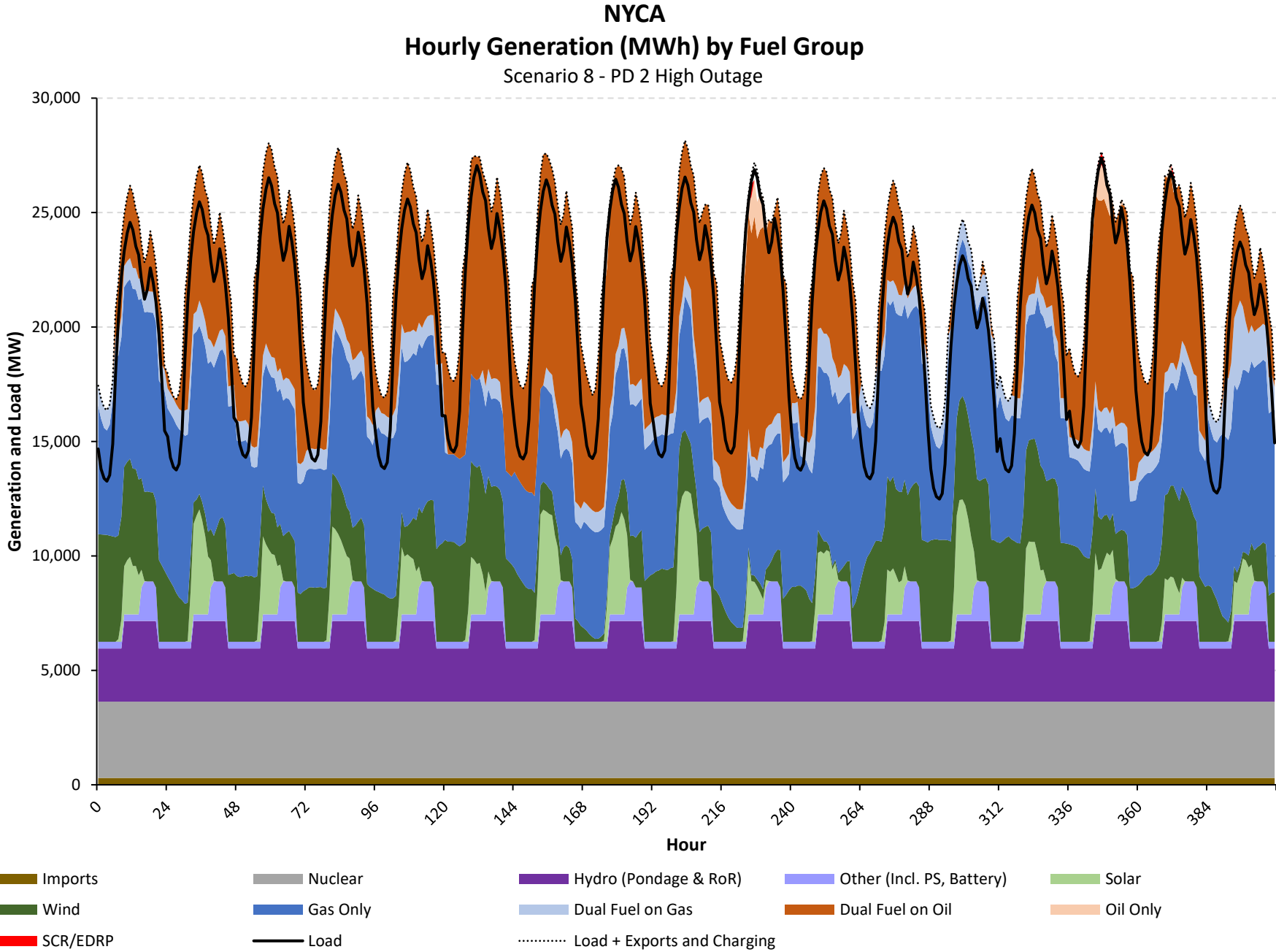
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 5     |
| Total MWh              | 2,823 |
| Avg. MW                | 6.9   |
| First Hour with Losses | 226   |

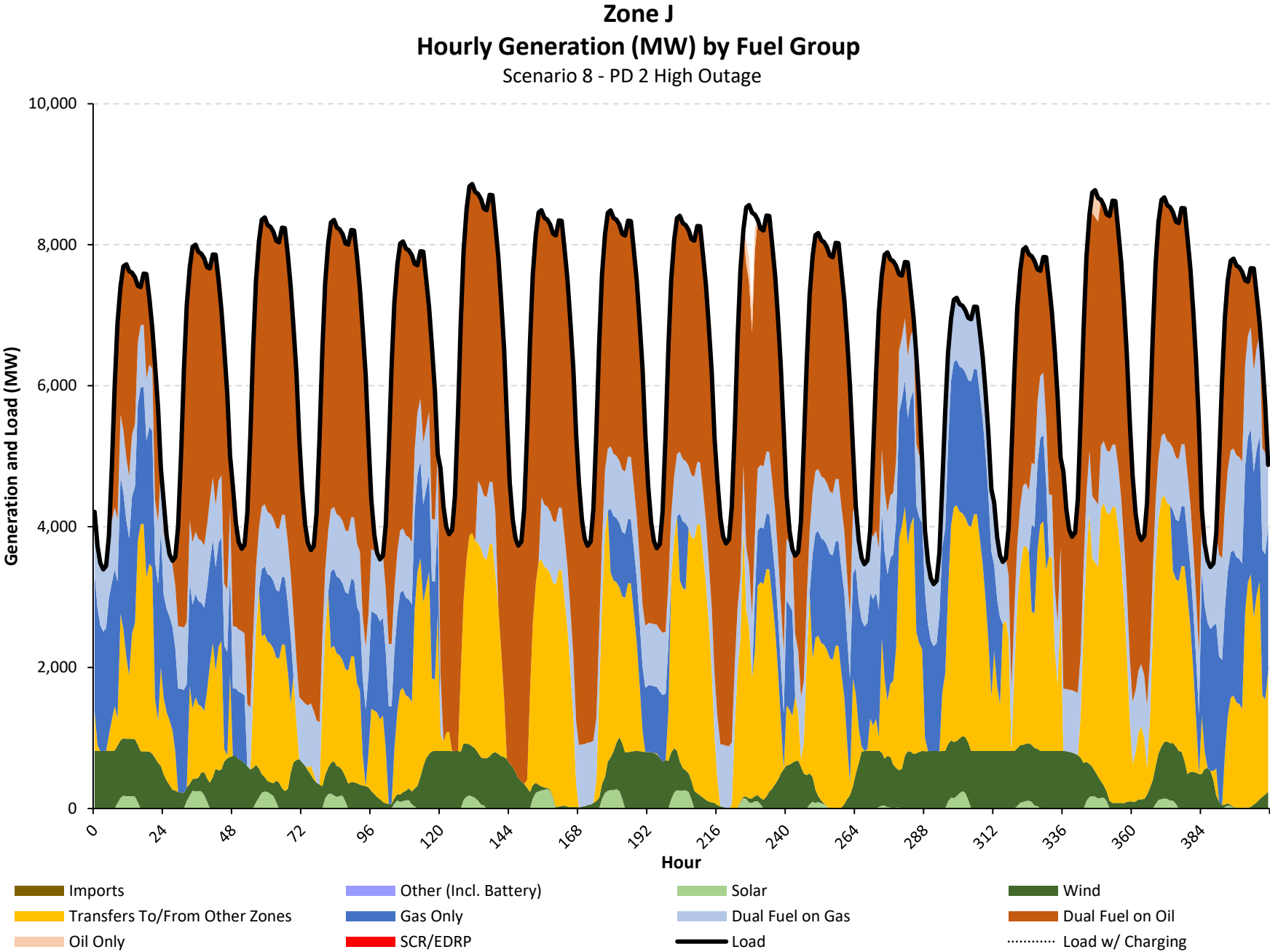
Full Period Results Summary

Case Name: Scenario 8 - PD 2 High Outage

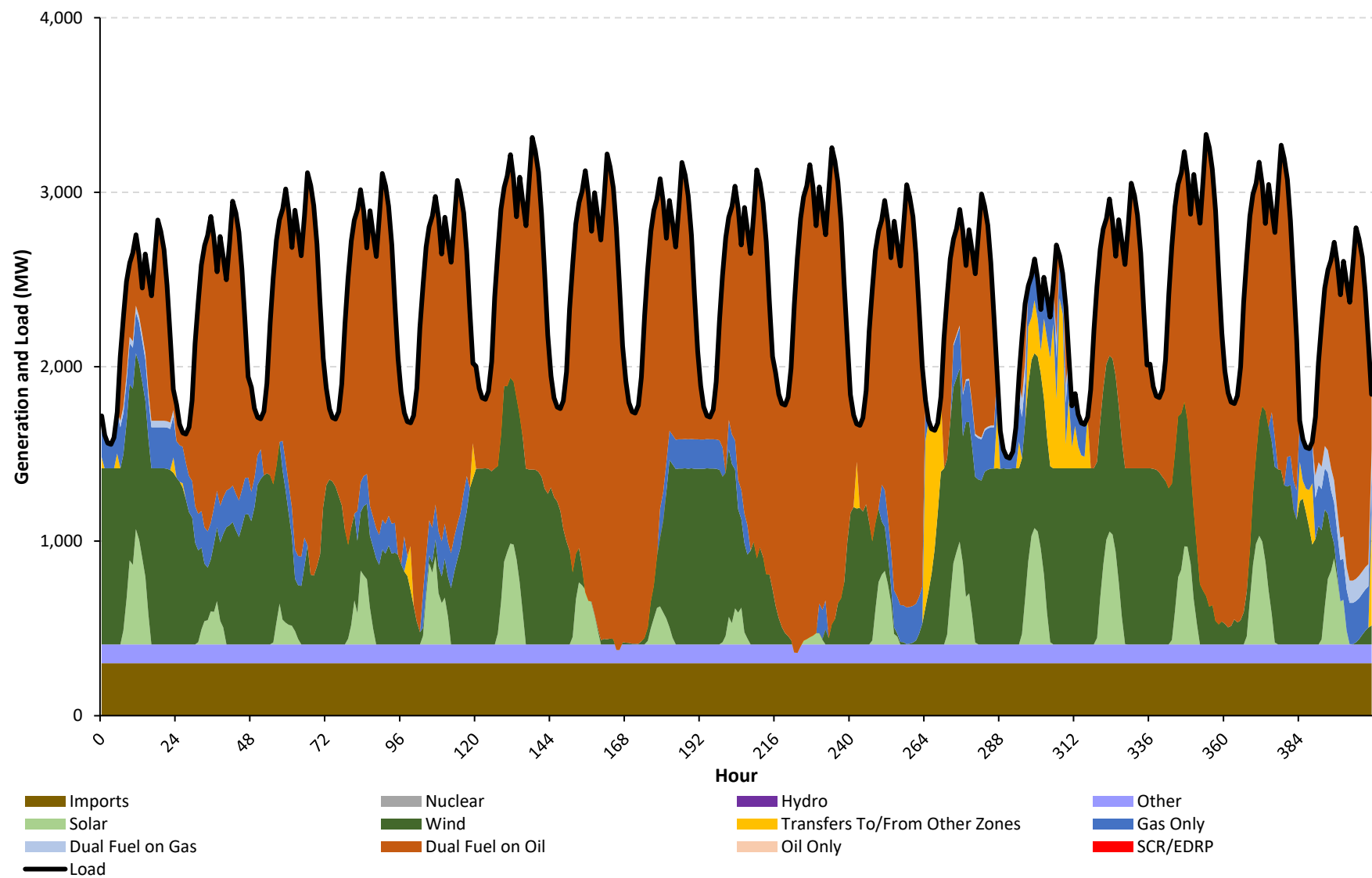
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | High     |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |



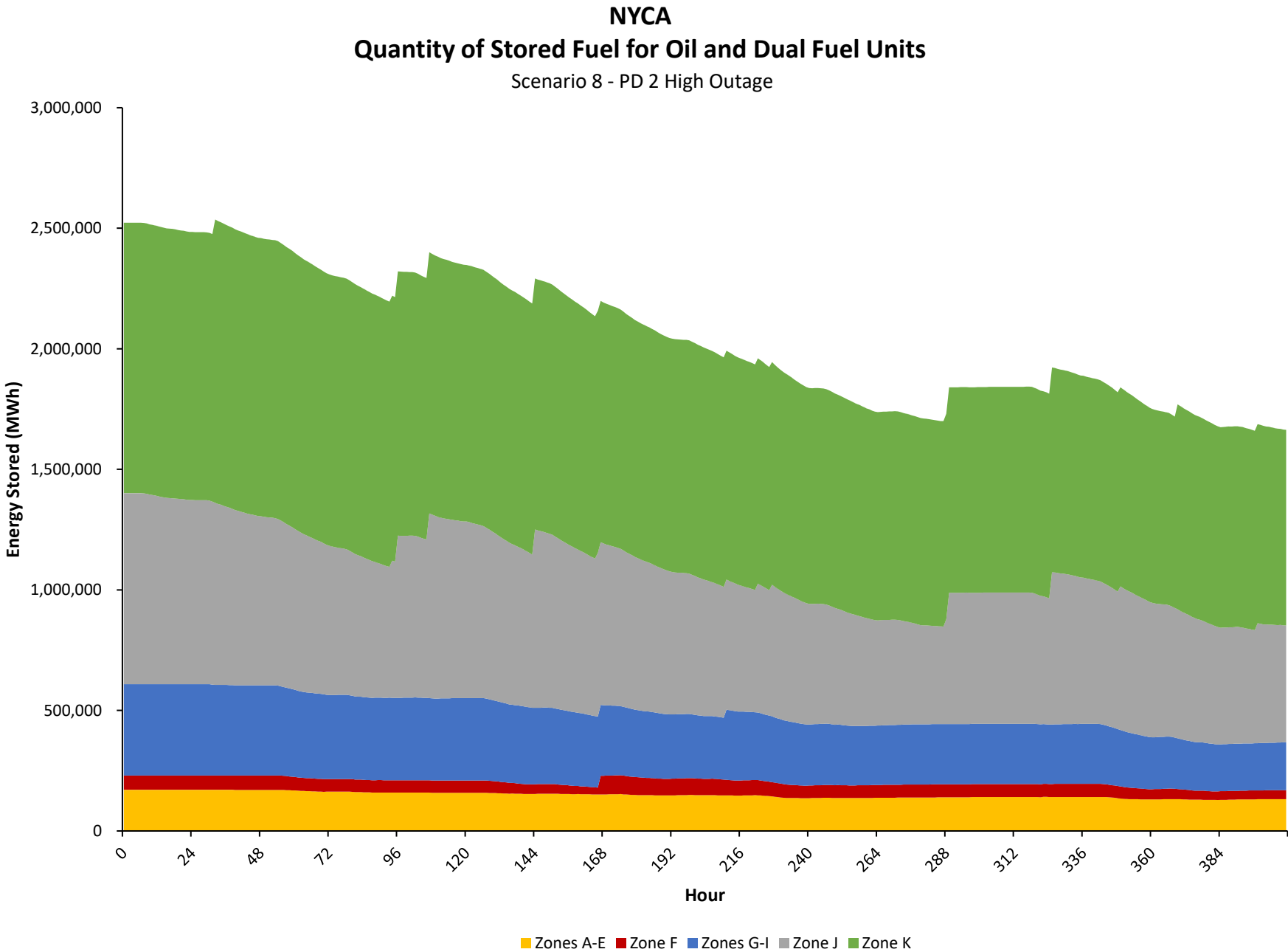


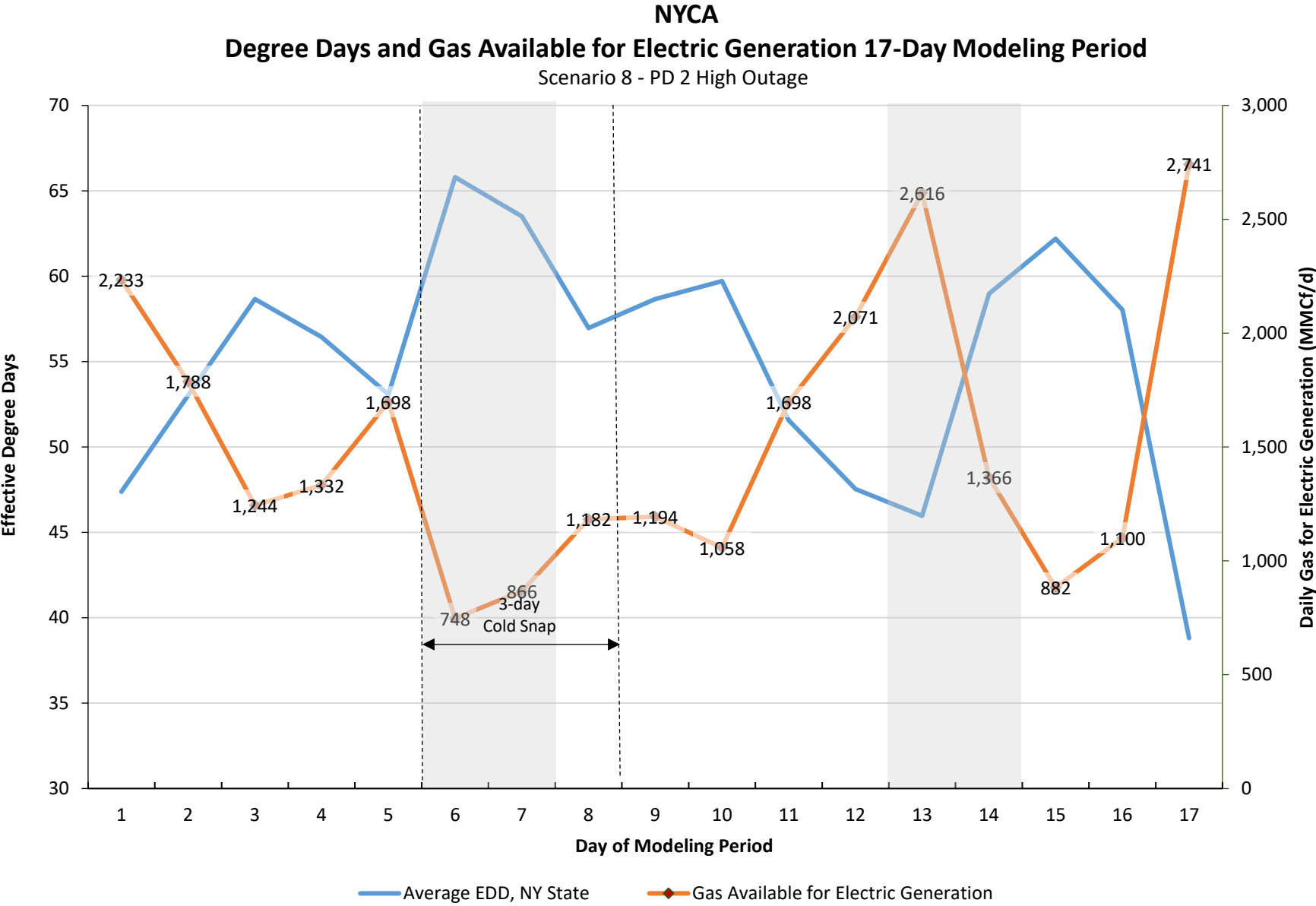


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 2 High Outage

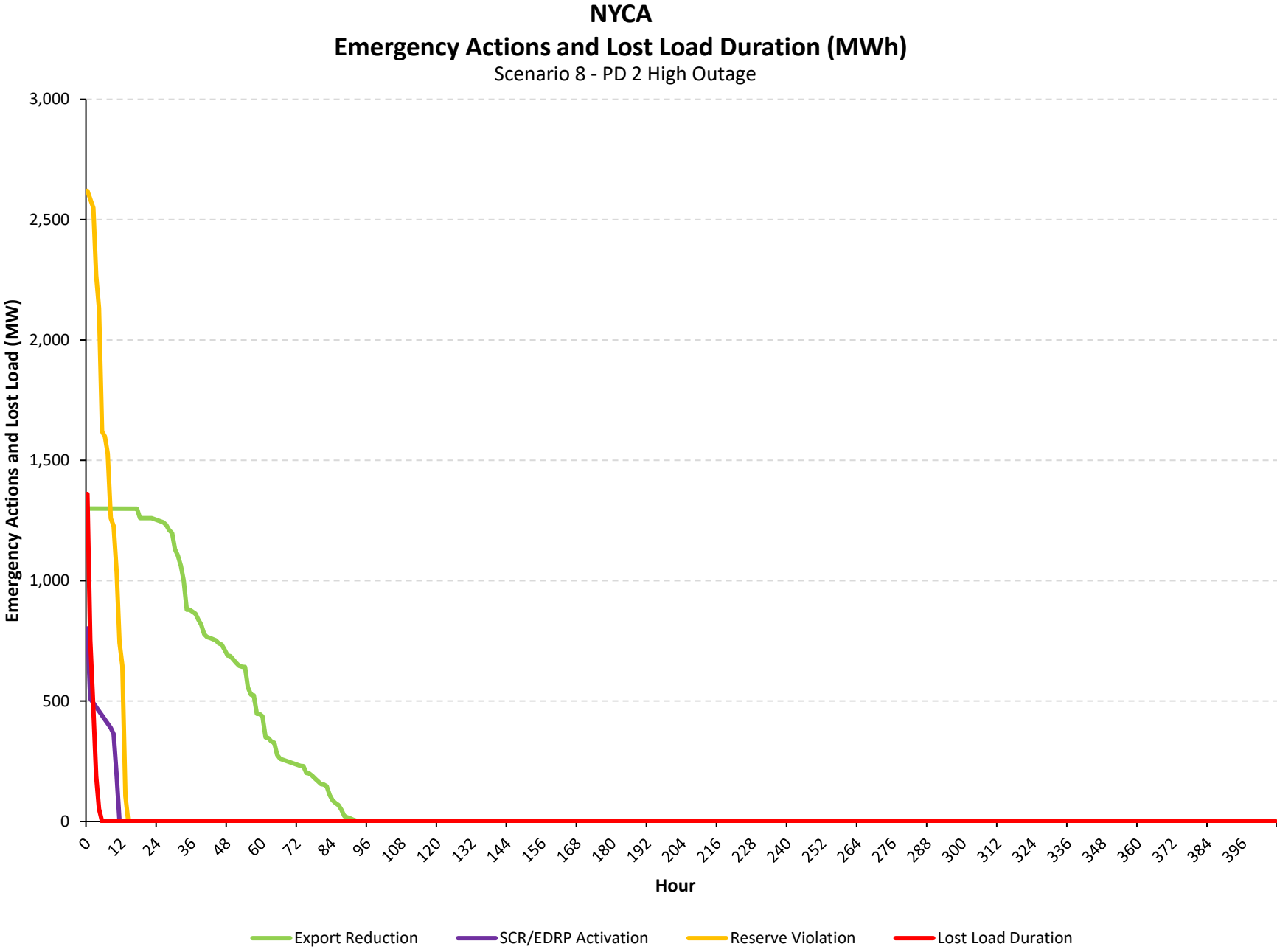


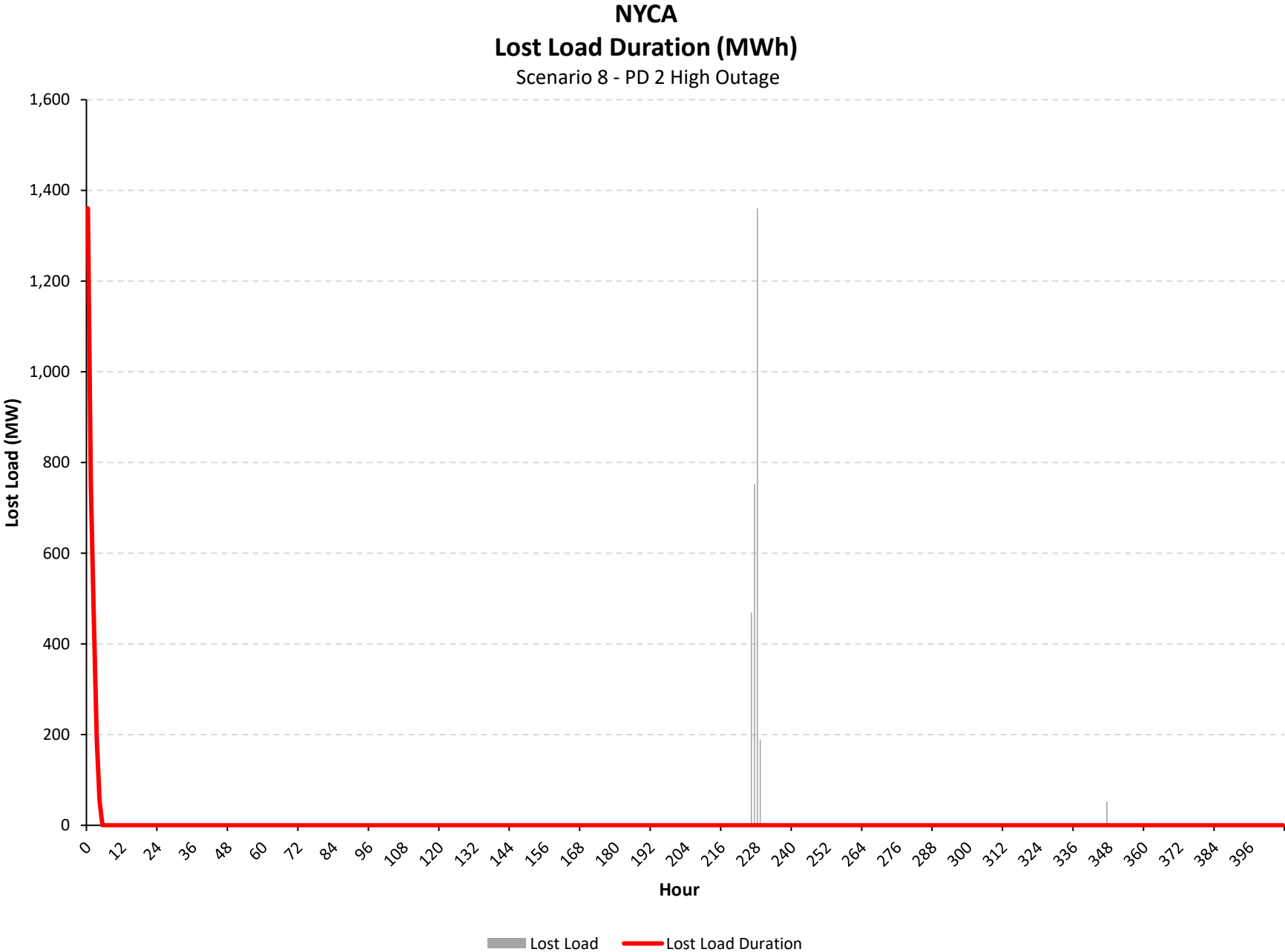






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



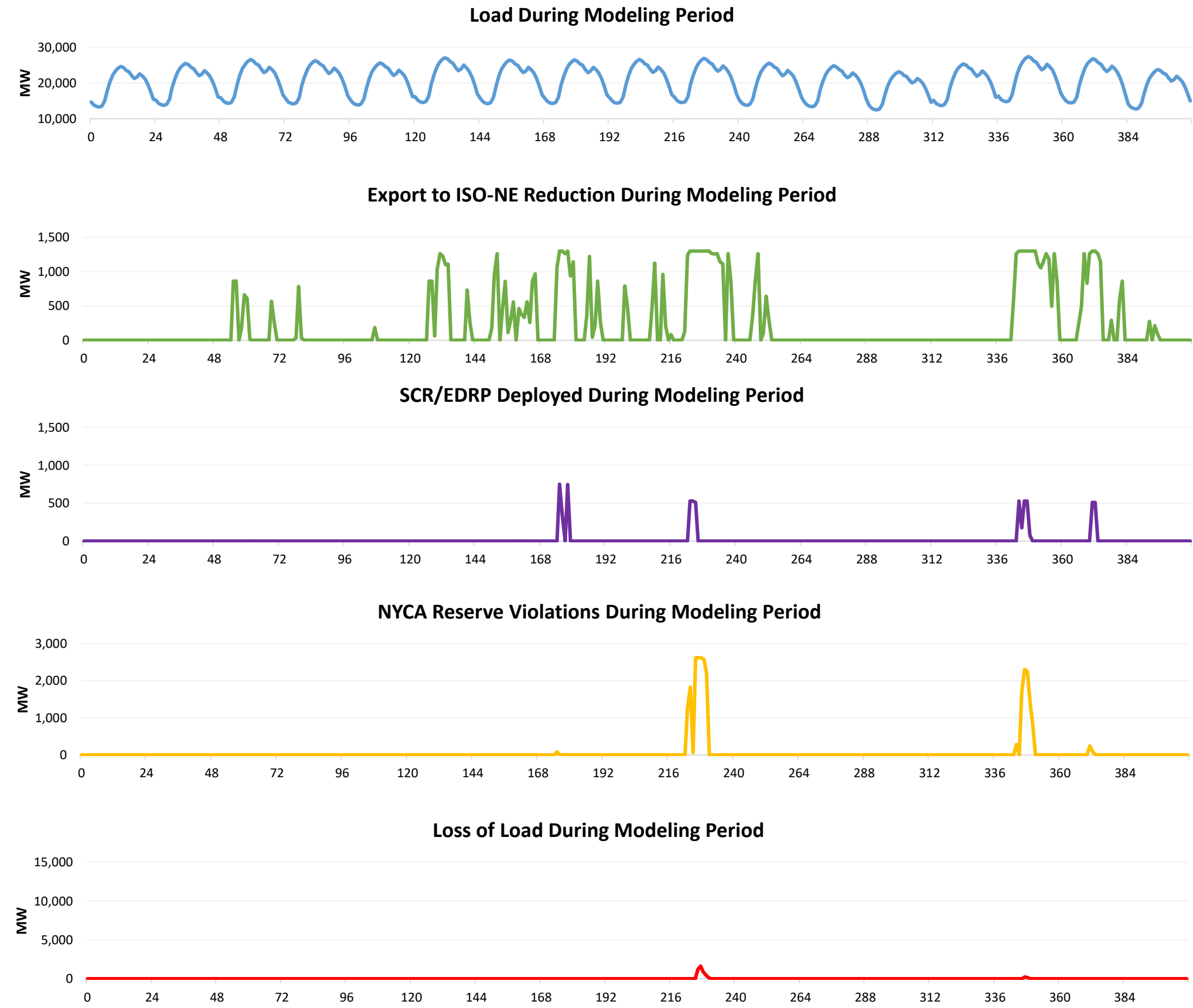


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 3 SENY Deactivation (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 3 SENY Deactivation



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | Roseton  |
| Import Scenario:         | Net Zero |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 112    |
| Total MWh         | 91,662 |
| Avg. MW           | 224.7  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 13    |
| Total MWh      | 6,242 |
| Avg. MW        | 15.3  |

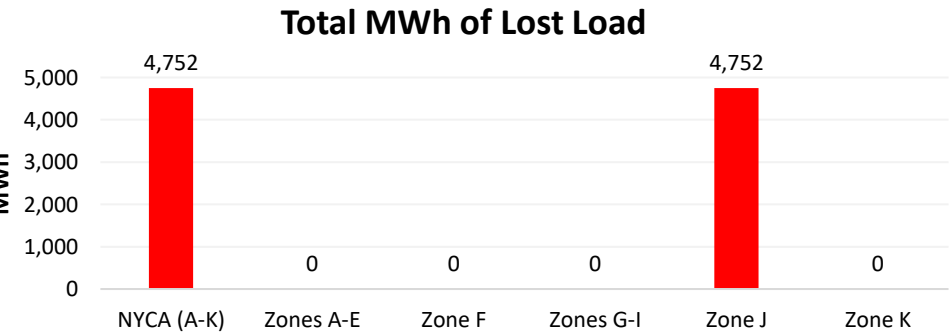
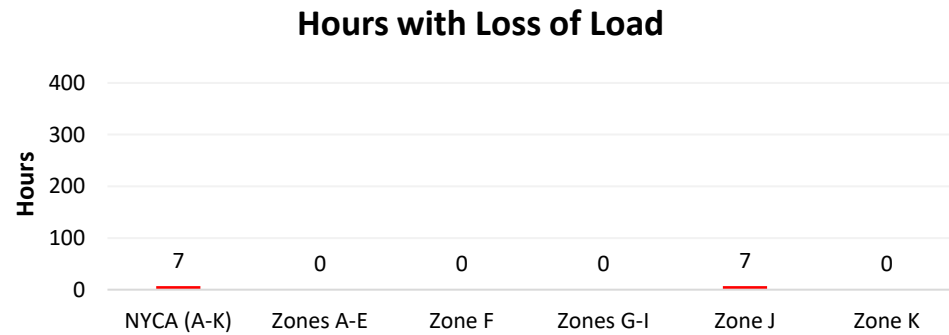
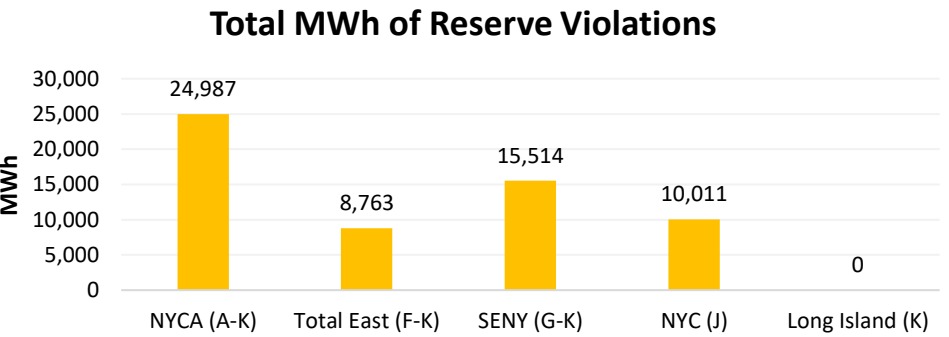
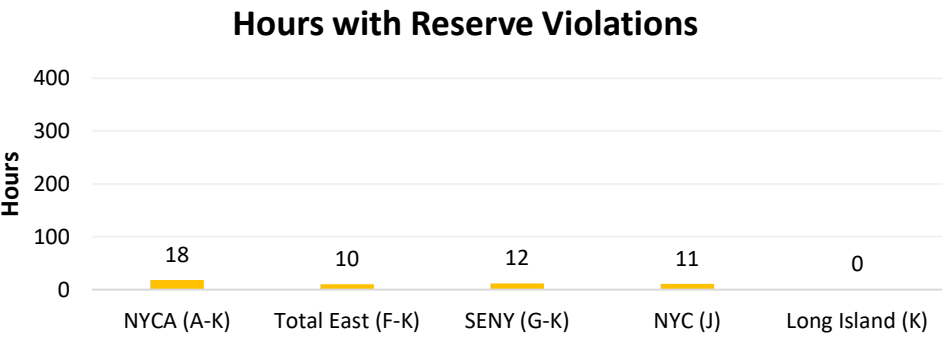
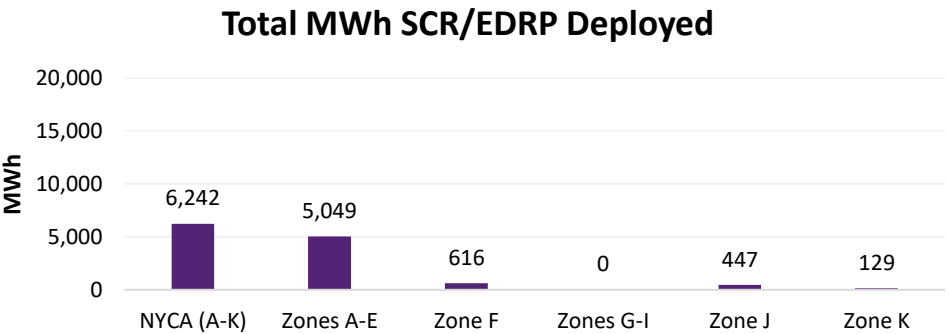
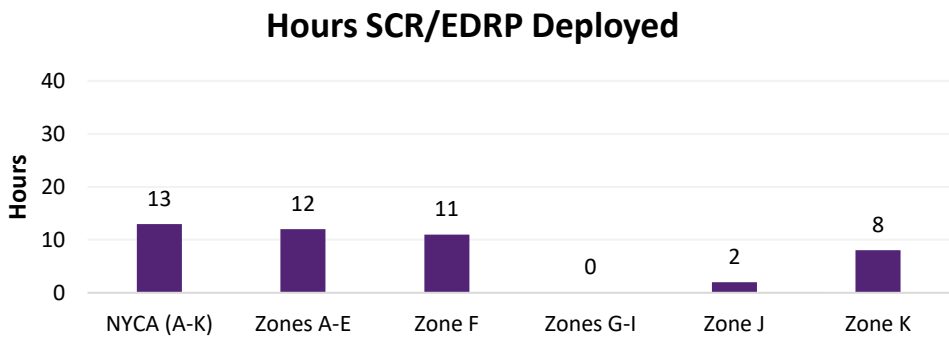
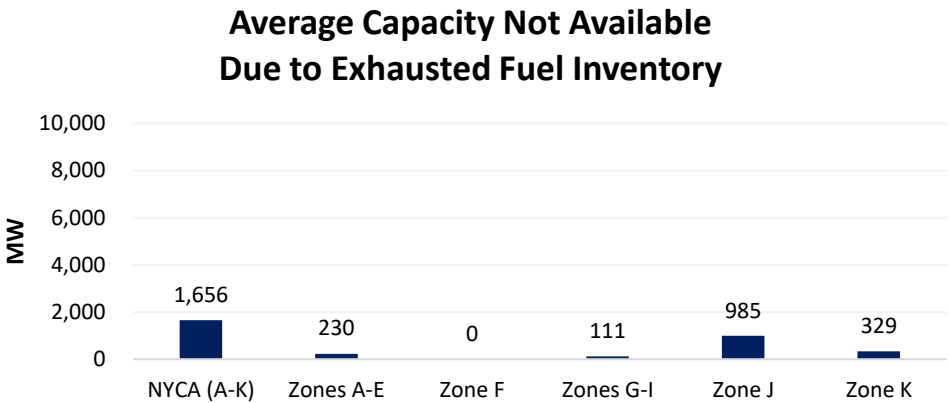
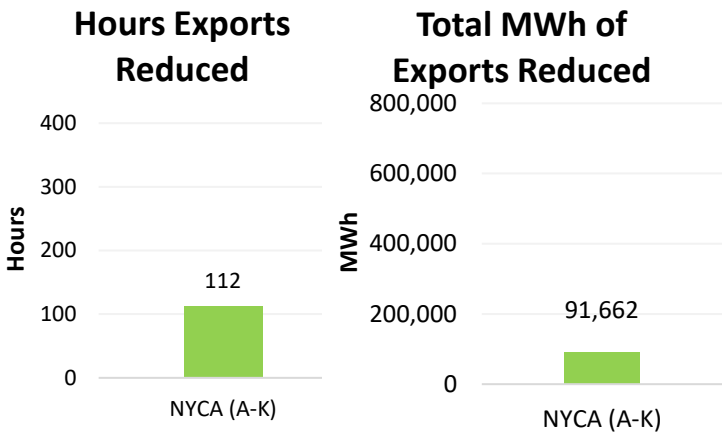
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 18     |
| Total MWh             | 24,987 |
| Avg. MW               | 61.2   |
| First Hour with Viol. | 175    |

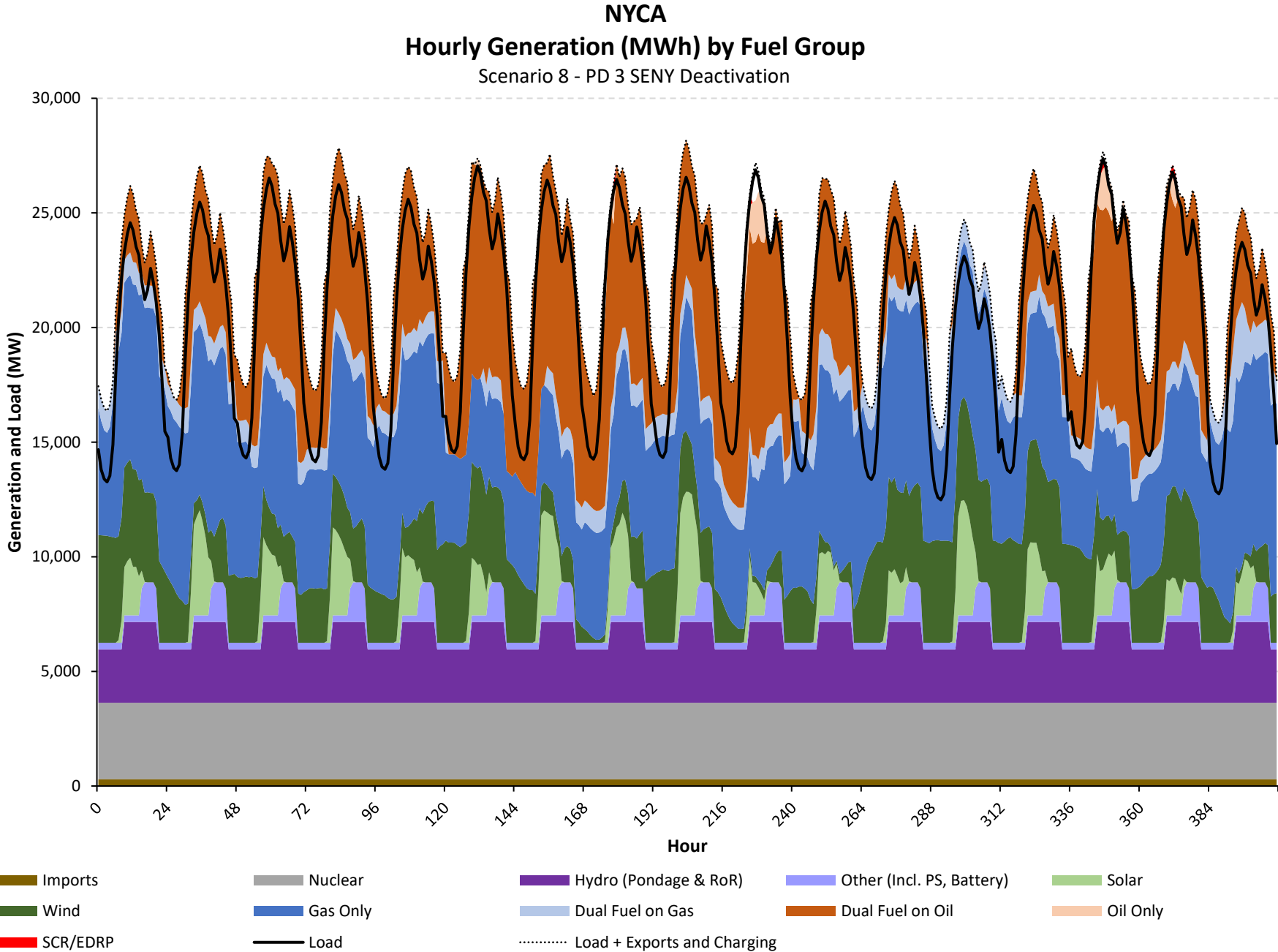
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 7     |
| Total MWh              | 4,752 |
| Avg. MW                | 11.6  |
| First Hour with Losses | 226   |

Full Period Results Summary

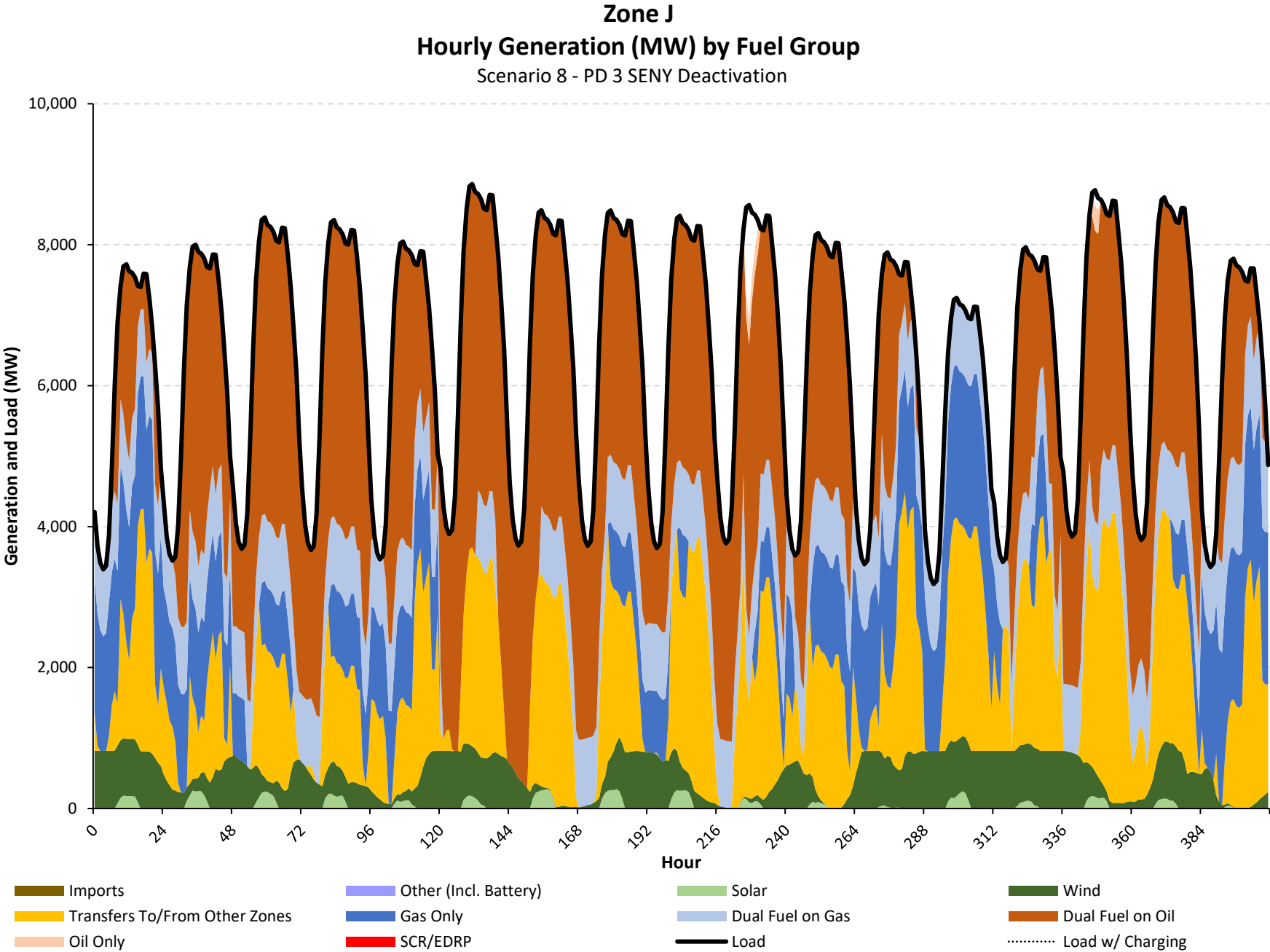
Case Name: Scenario 8 - PD 3 SENY Deactivation

| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | Roseton  |
| Import Scenario:         | Net Zero |

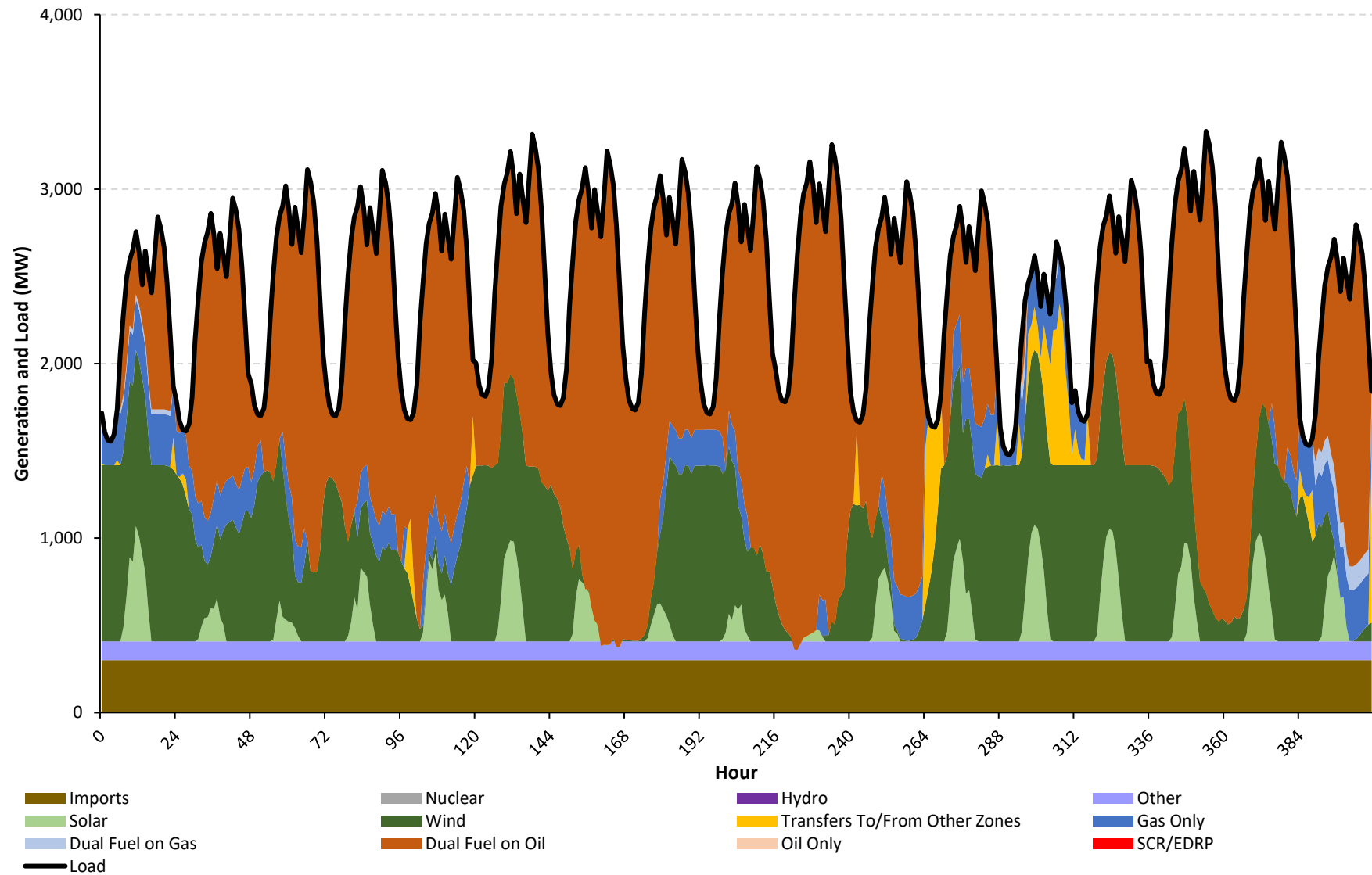


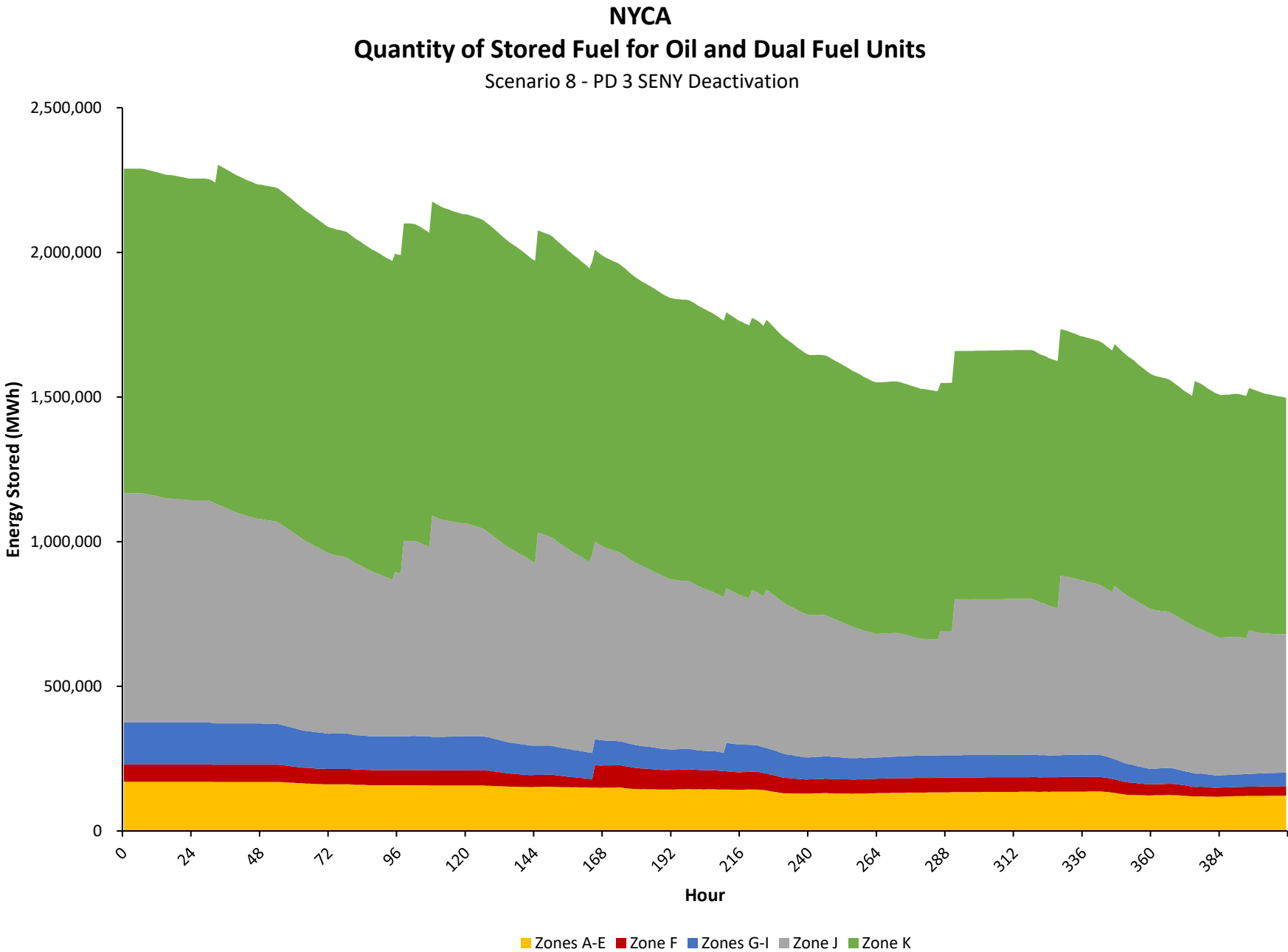


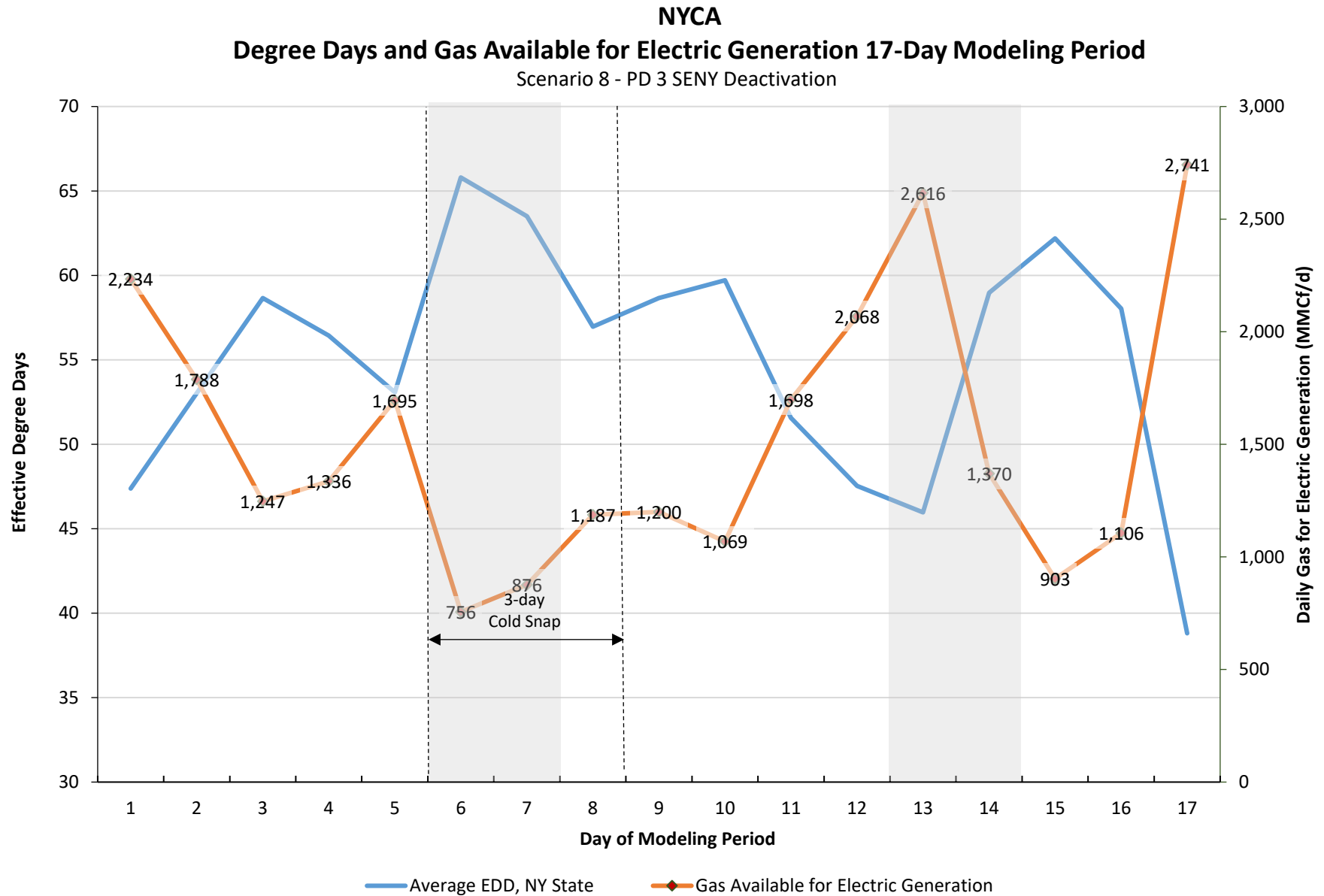




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 3 SENY Deactivation

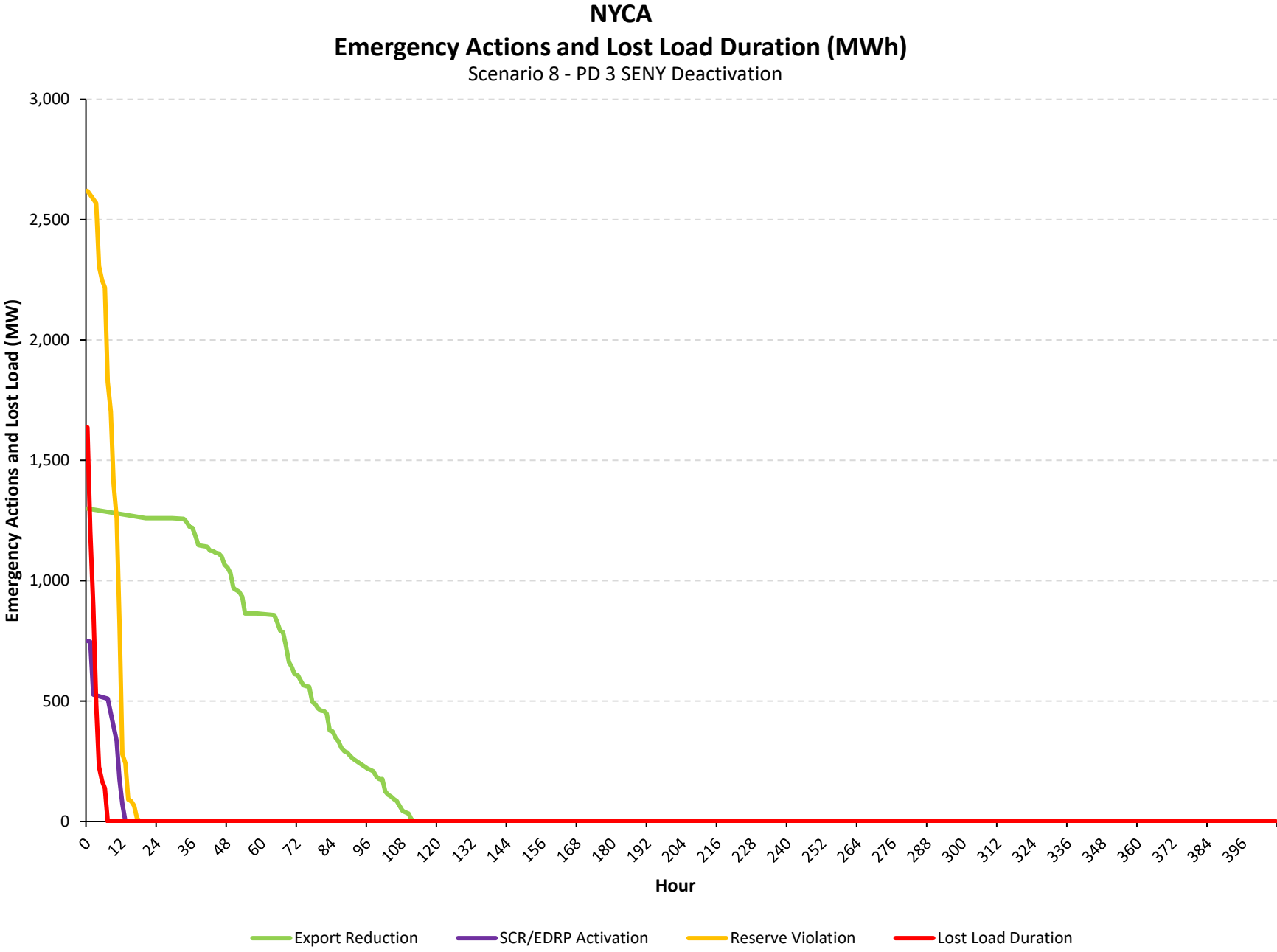


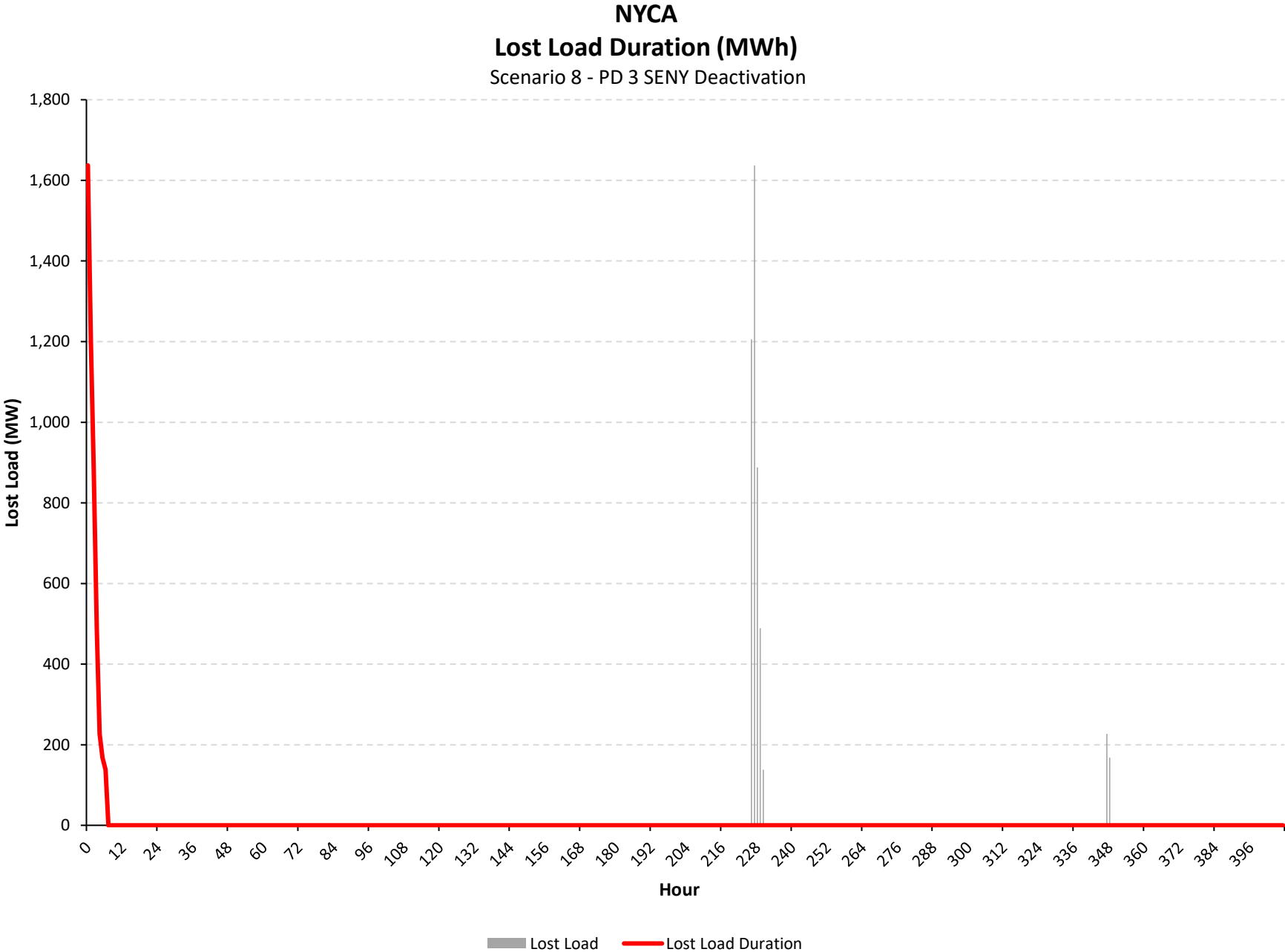




**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.



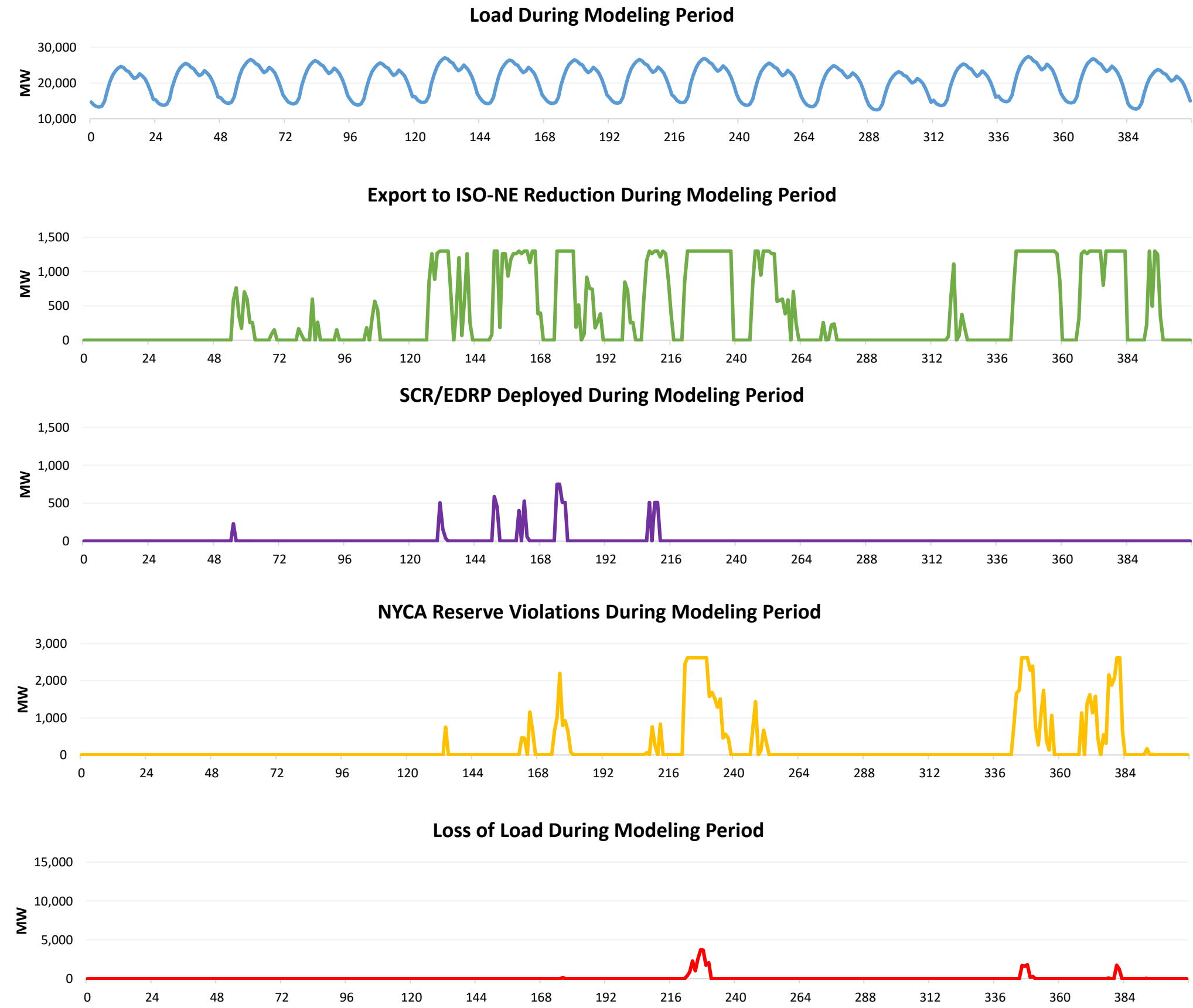


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 4 Nuclear Station Outage (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 4 Nuclear Station Outage



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | On       |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 171     |
| Total MWh         | 157,294 |
| Avg. MW           | 385.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 7,012 |
| Avg. MW        | 17.2  |

| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 69     |
| Total MWh             | 89,689 |
| Avg. MW               | 219.8  |
| First Hour with Viol. | 134    |

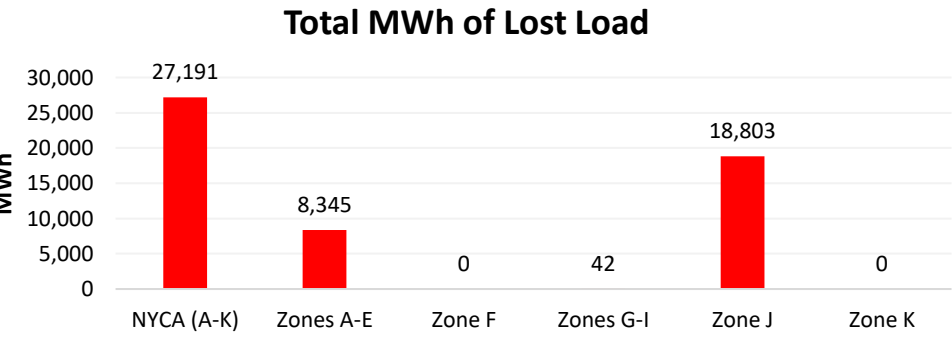
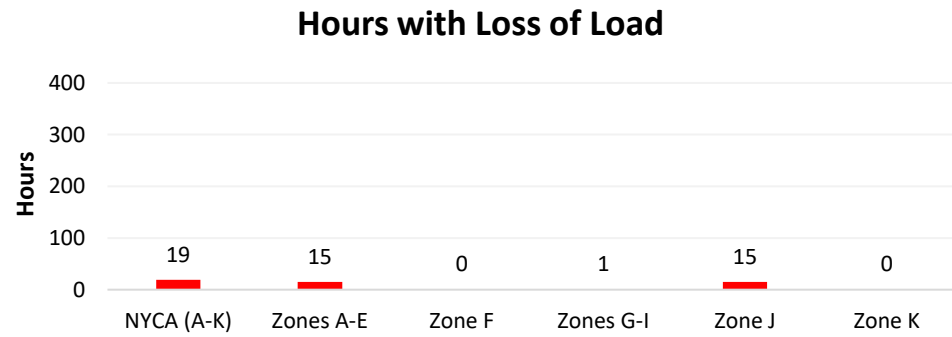
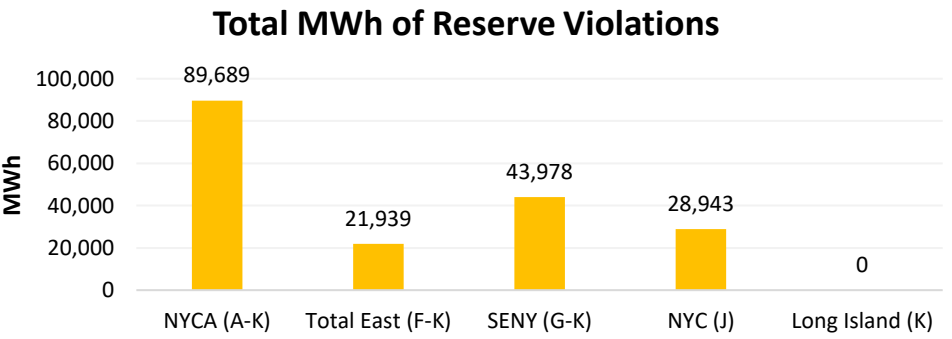
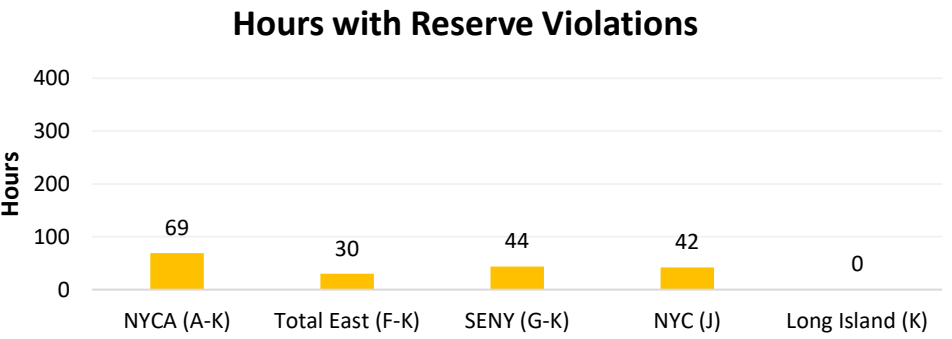
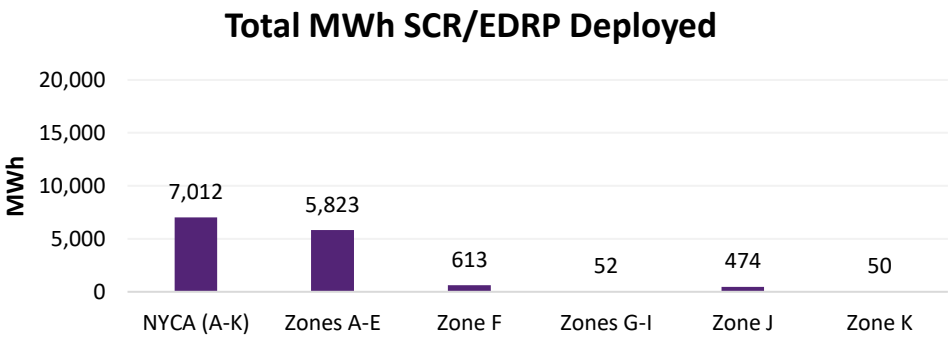
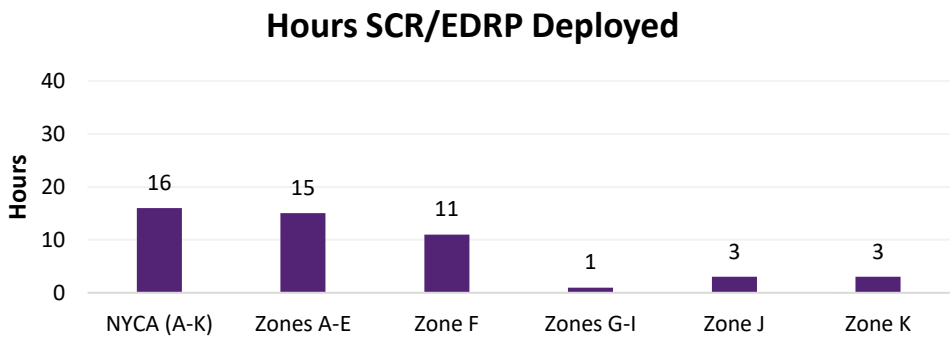
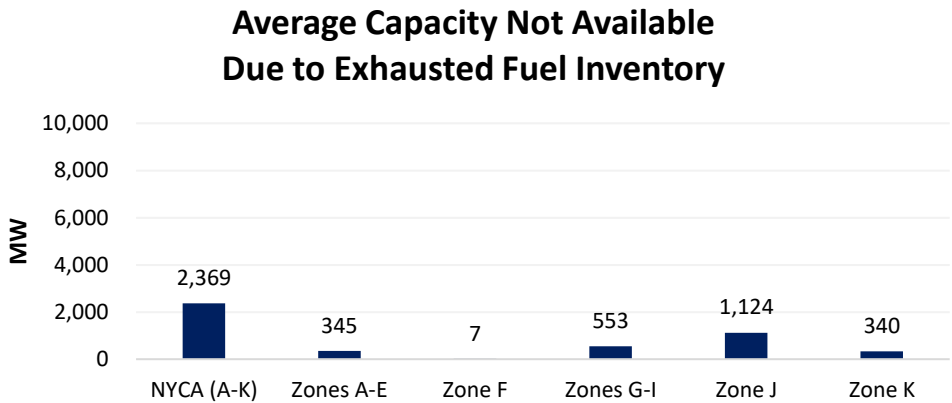
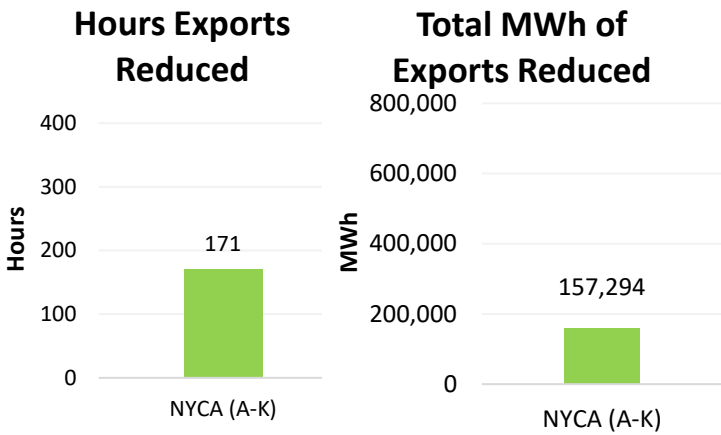
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 19     |
| Total MWh              | 27,191 |
| Avg. MW                | 66.6   |
| First Hour with Losses | 176    |

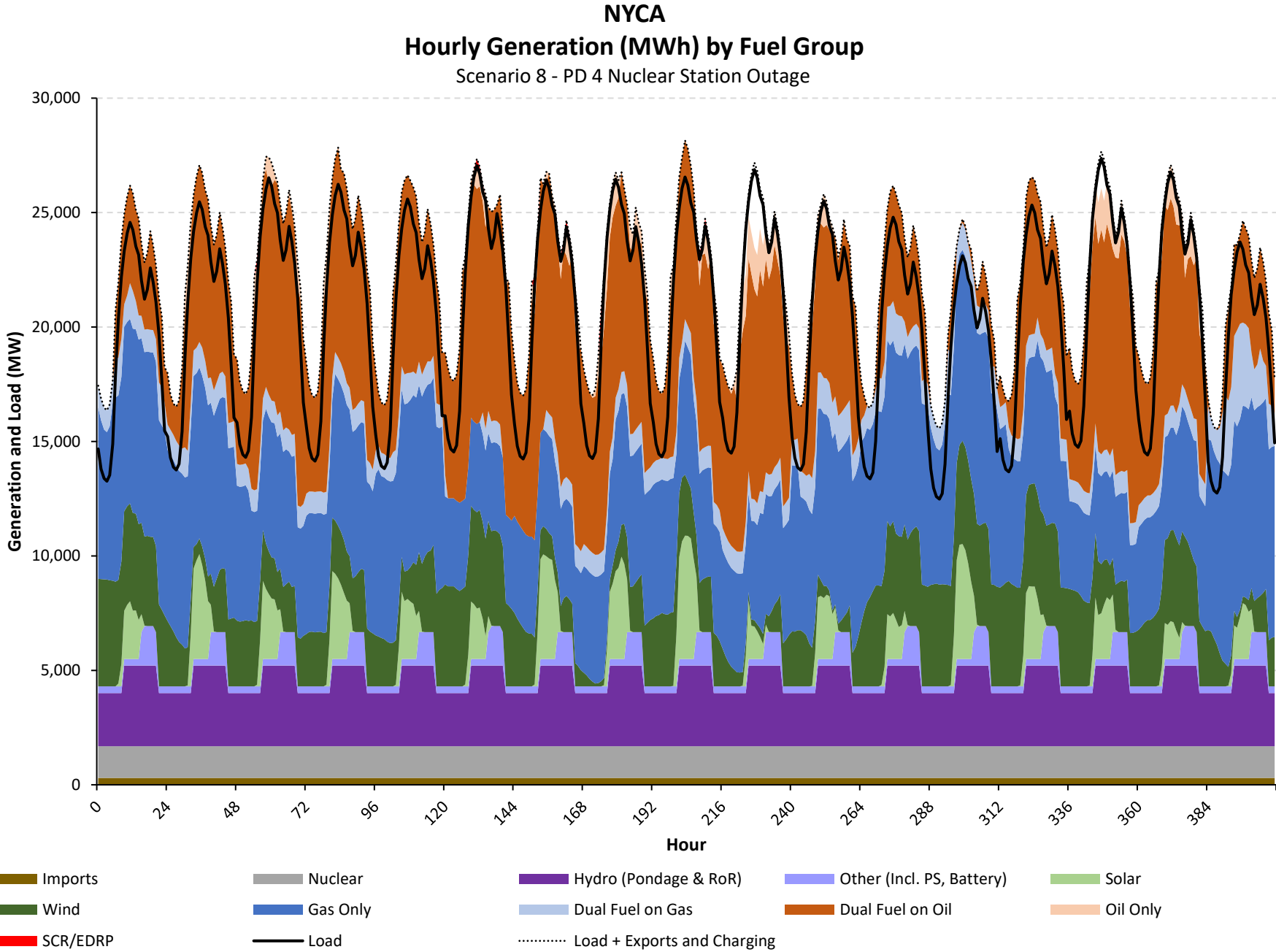


Full Period Results Summary

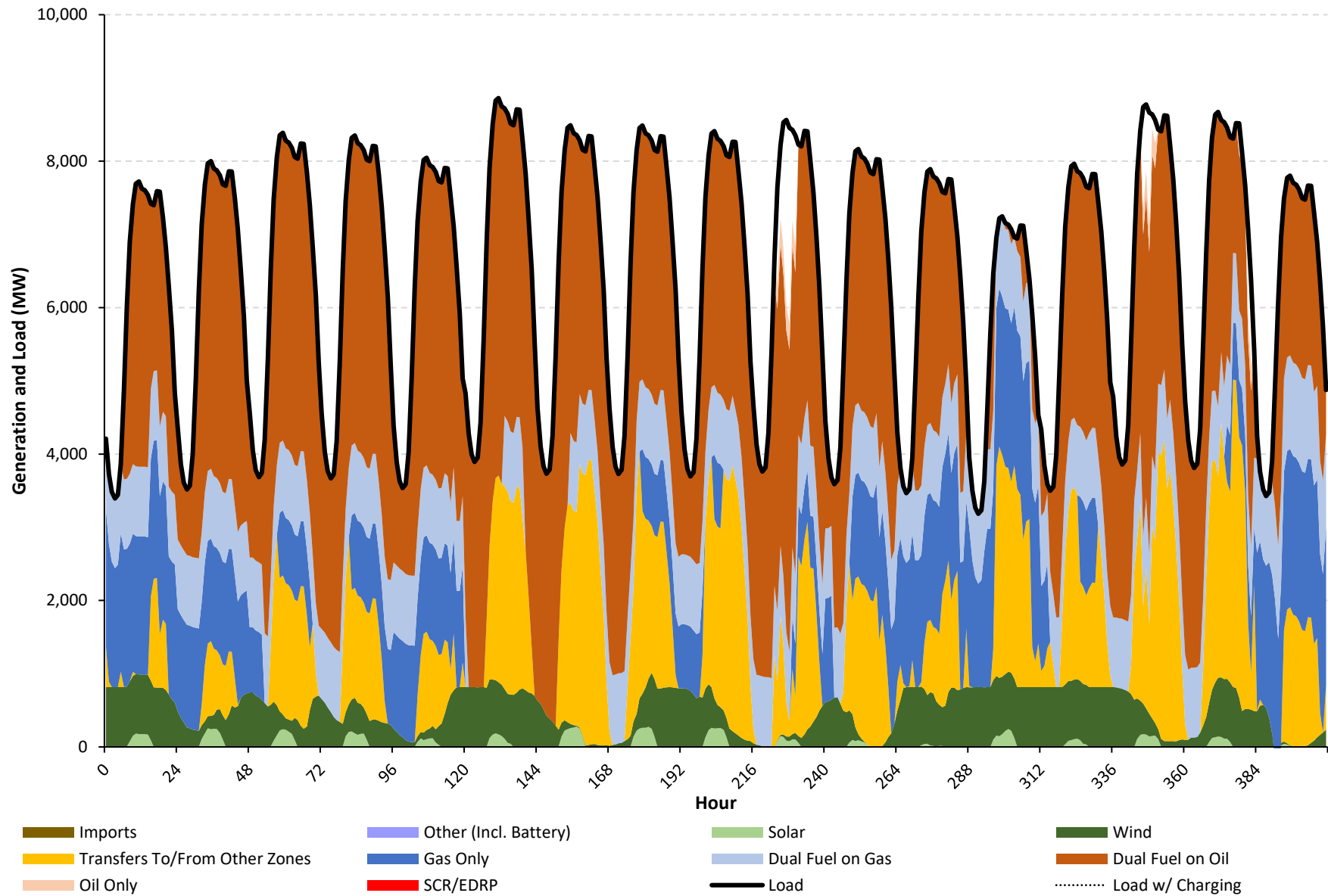
Case Name: Scenario 8 - PD 4 Nuclear Station Outage

| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | On       |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

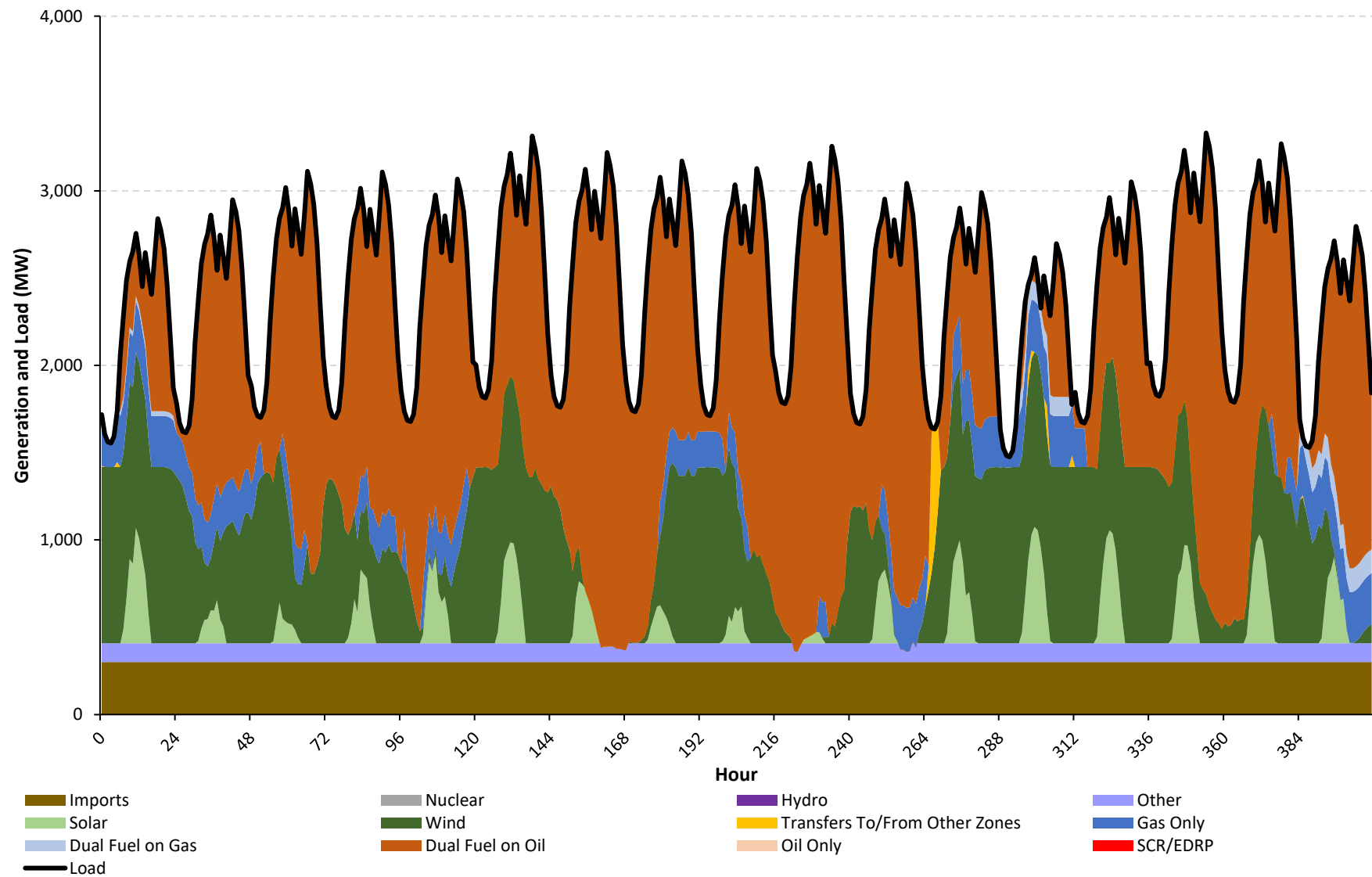




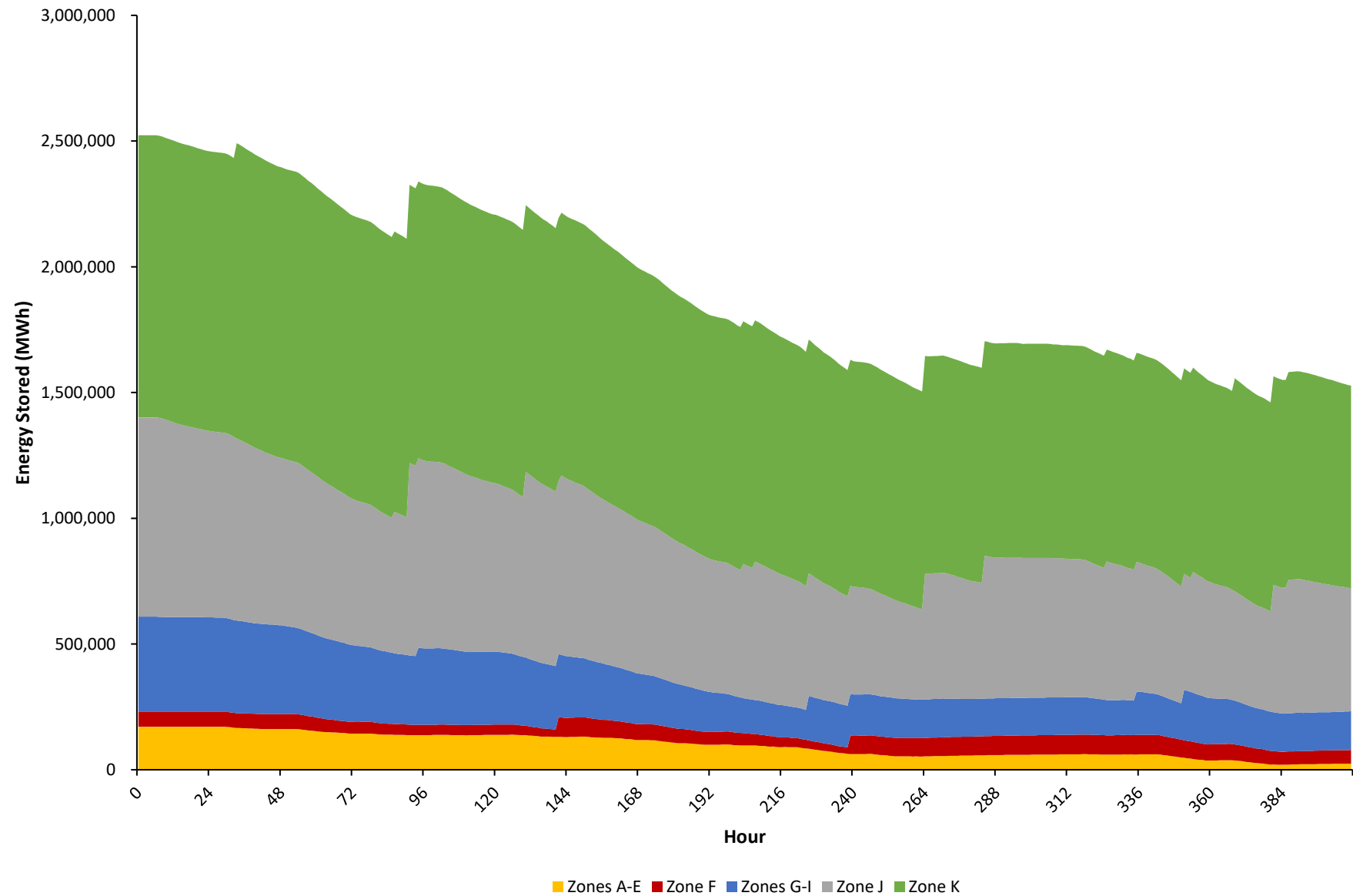
**Zone J**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 4 Nuclear Station Outage

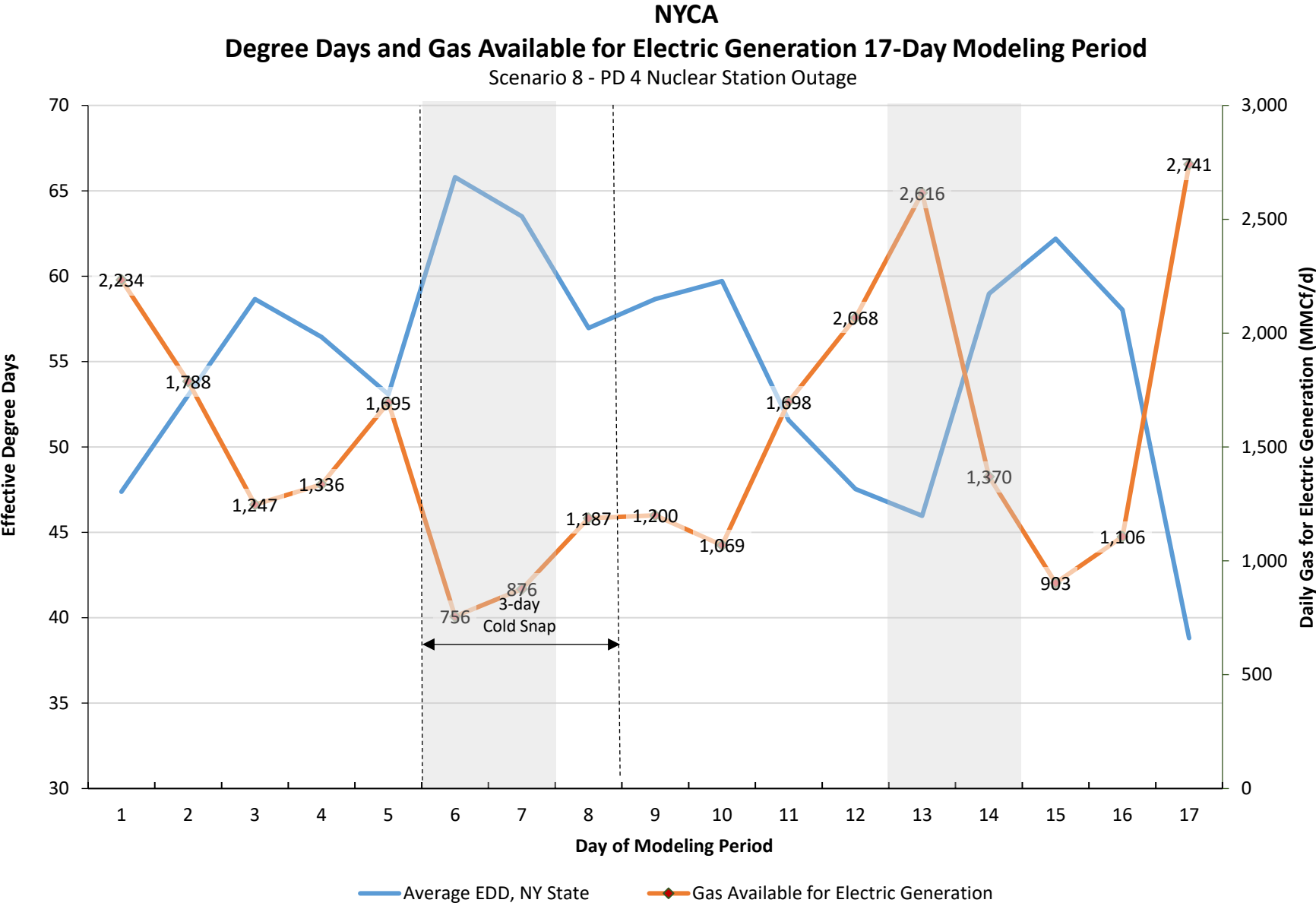


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 4 Nuclear Station Outage

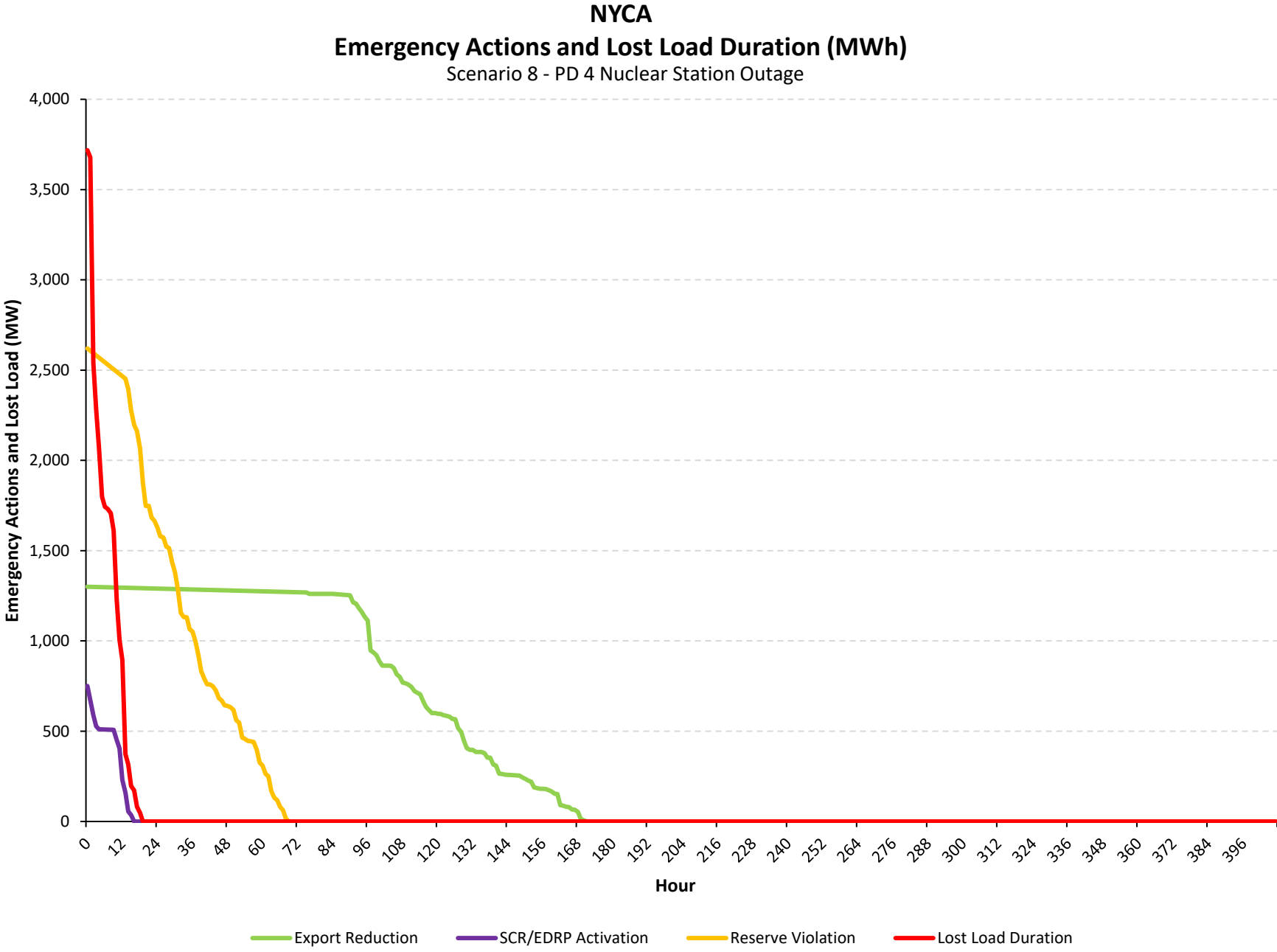


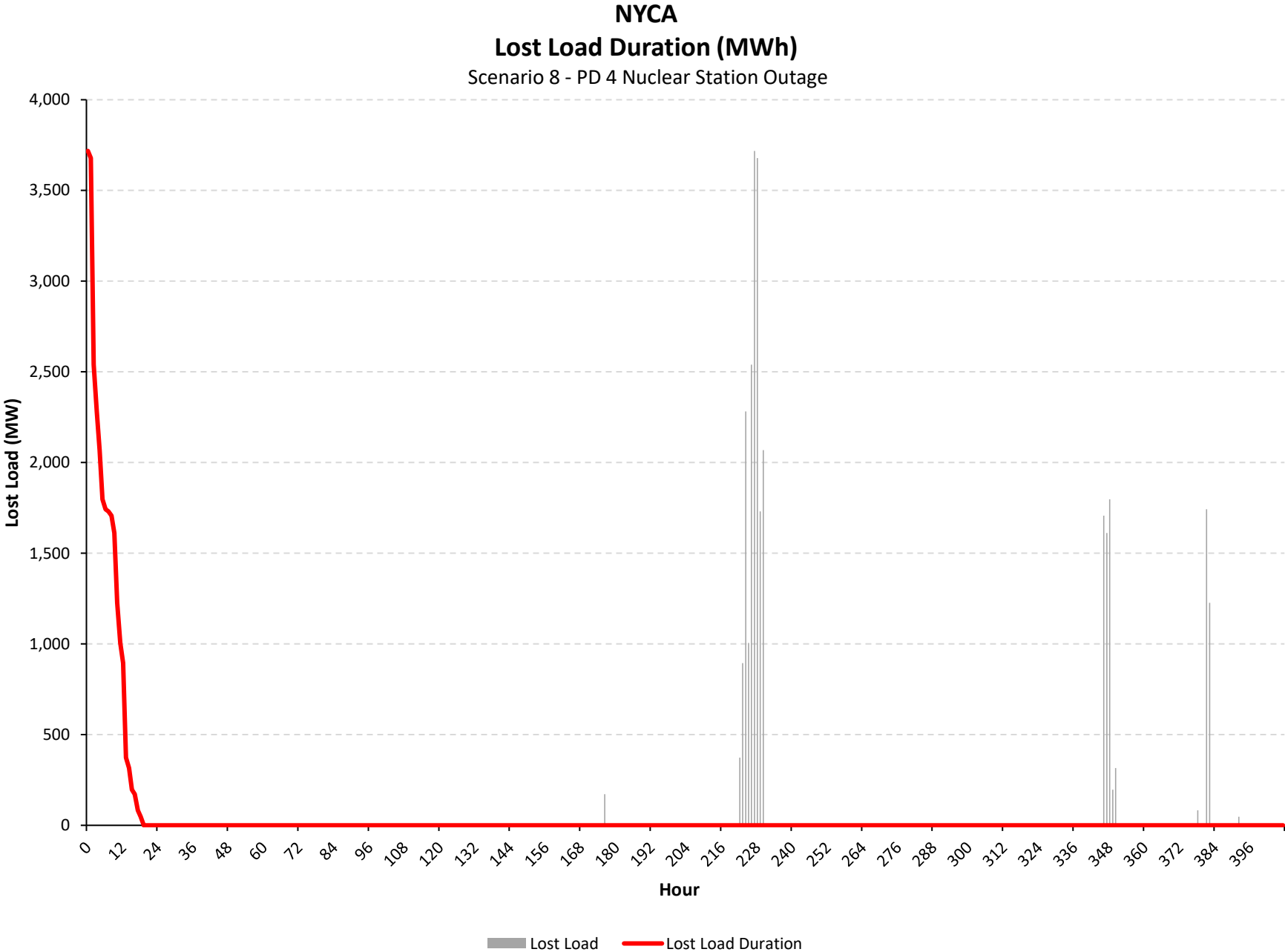
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 8 - PD 4 Nuclear Station Outage





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





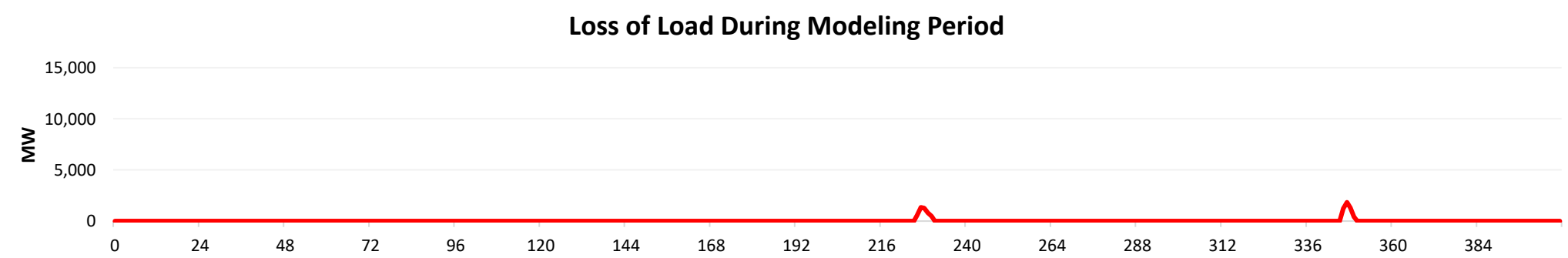
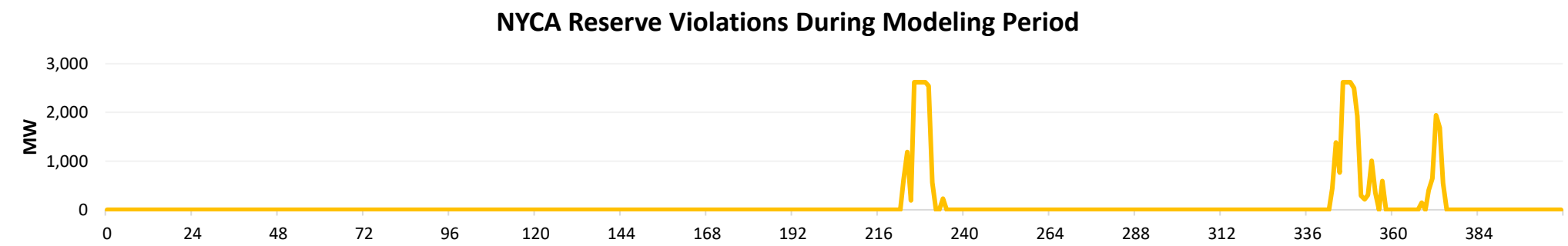
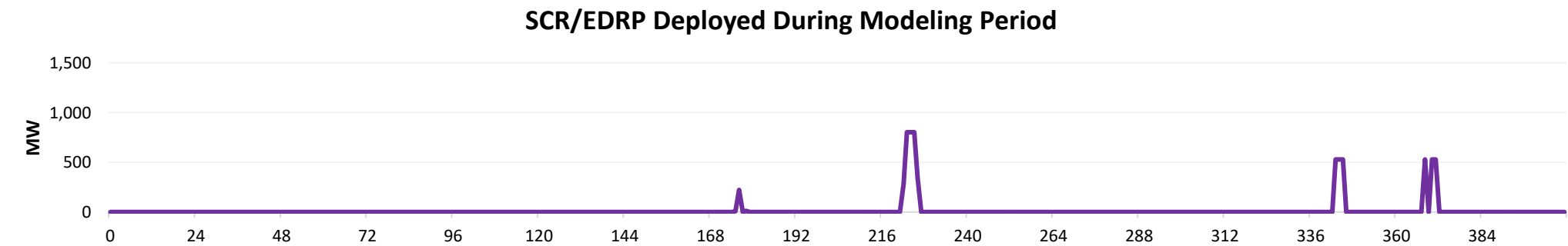
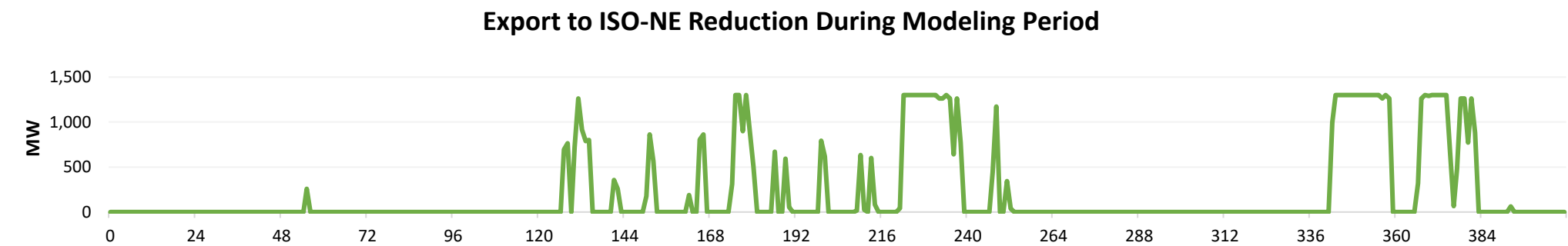
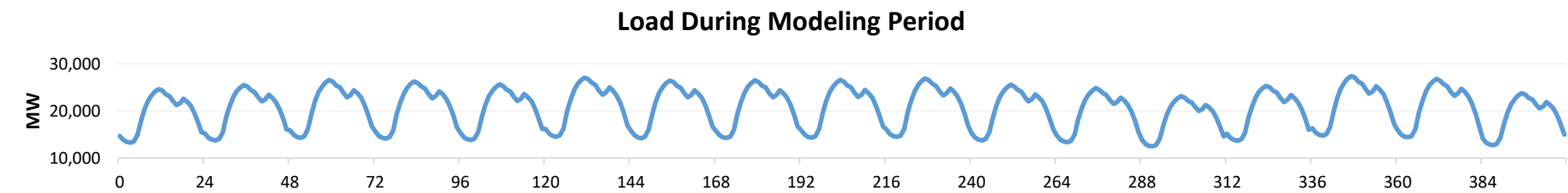


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 5 No Truck Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 5 No Truck Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |        |
|-------------------|--------|
| Total Hrs.        | 90     |
| Total MWh         | 82,766 |
| Avg. MW           | 202.9  |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 14    |
| Total MWh      | 6,439 |
| Avg. MW        | 15.8  |

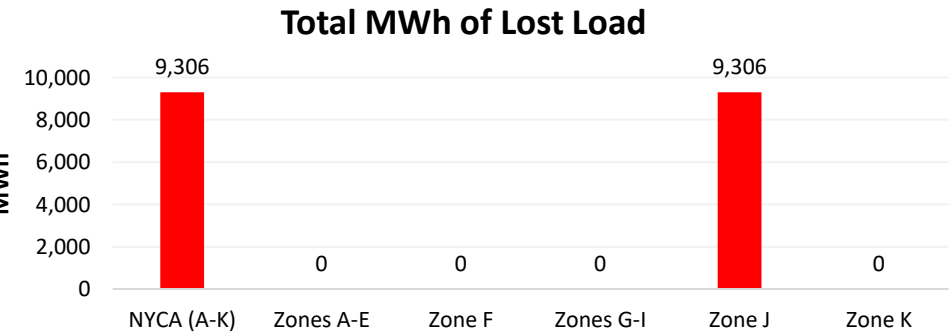
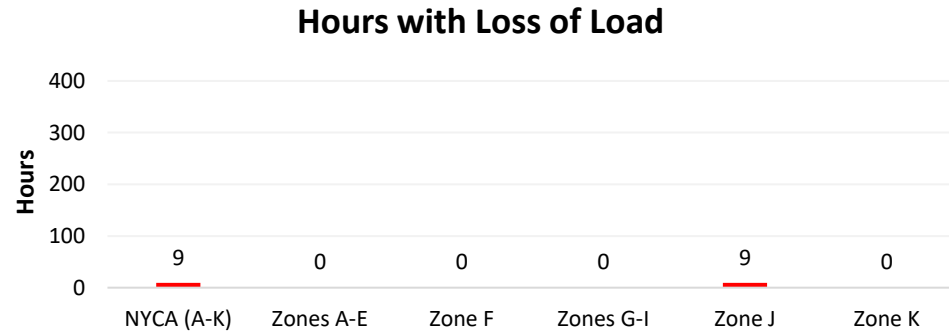
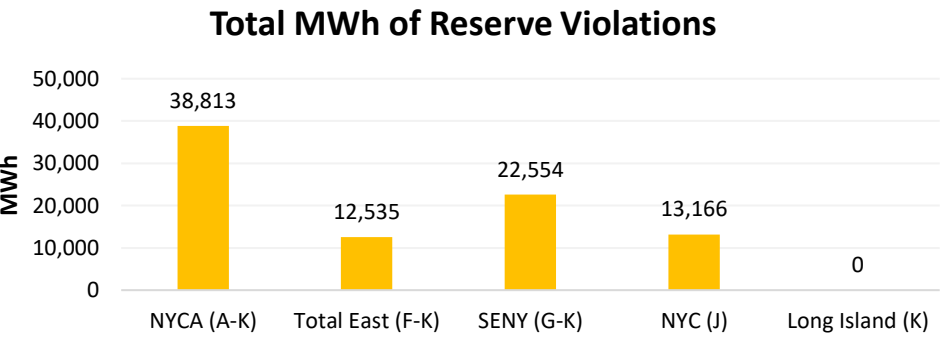
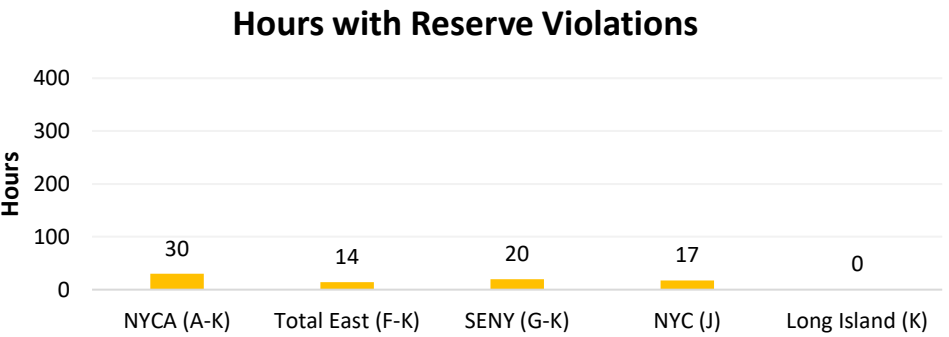
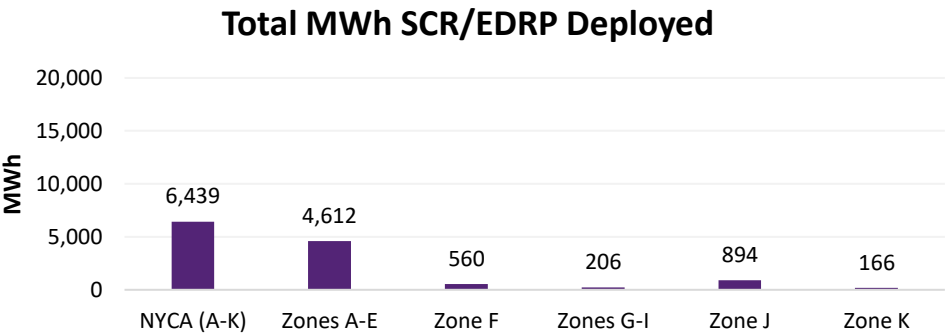
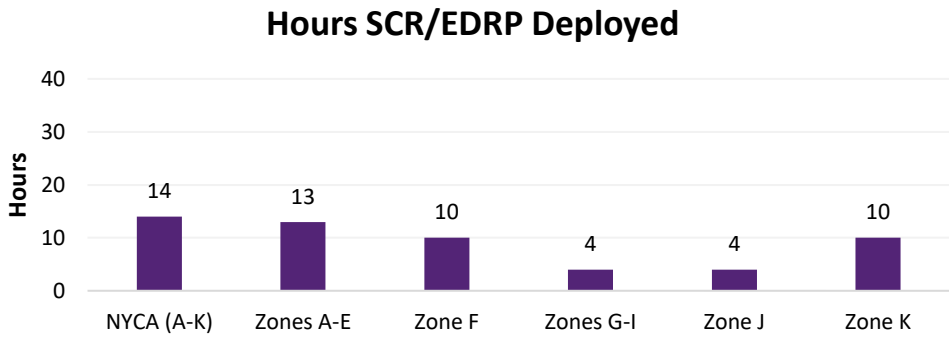
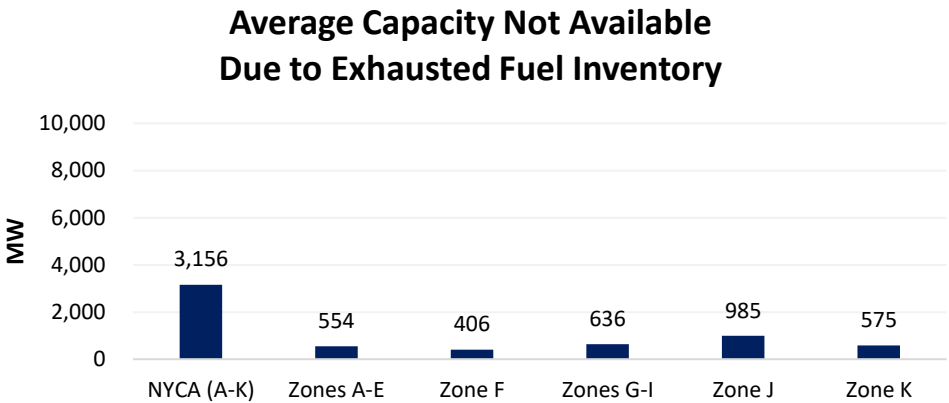
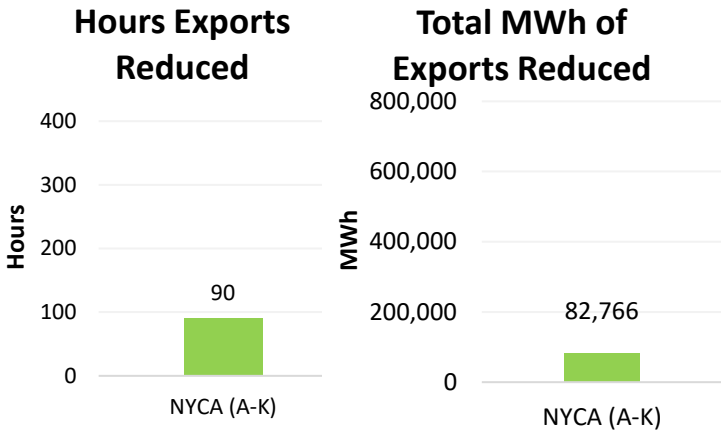
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 30     |
| Total MWh             | 38,813 |
| Avg. MW               | 95.1   |
| First Hour with Viol. | 223    |

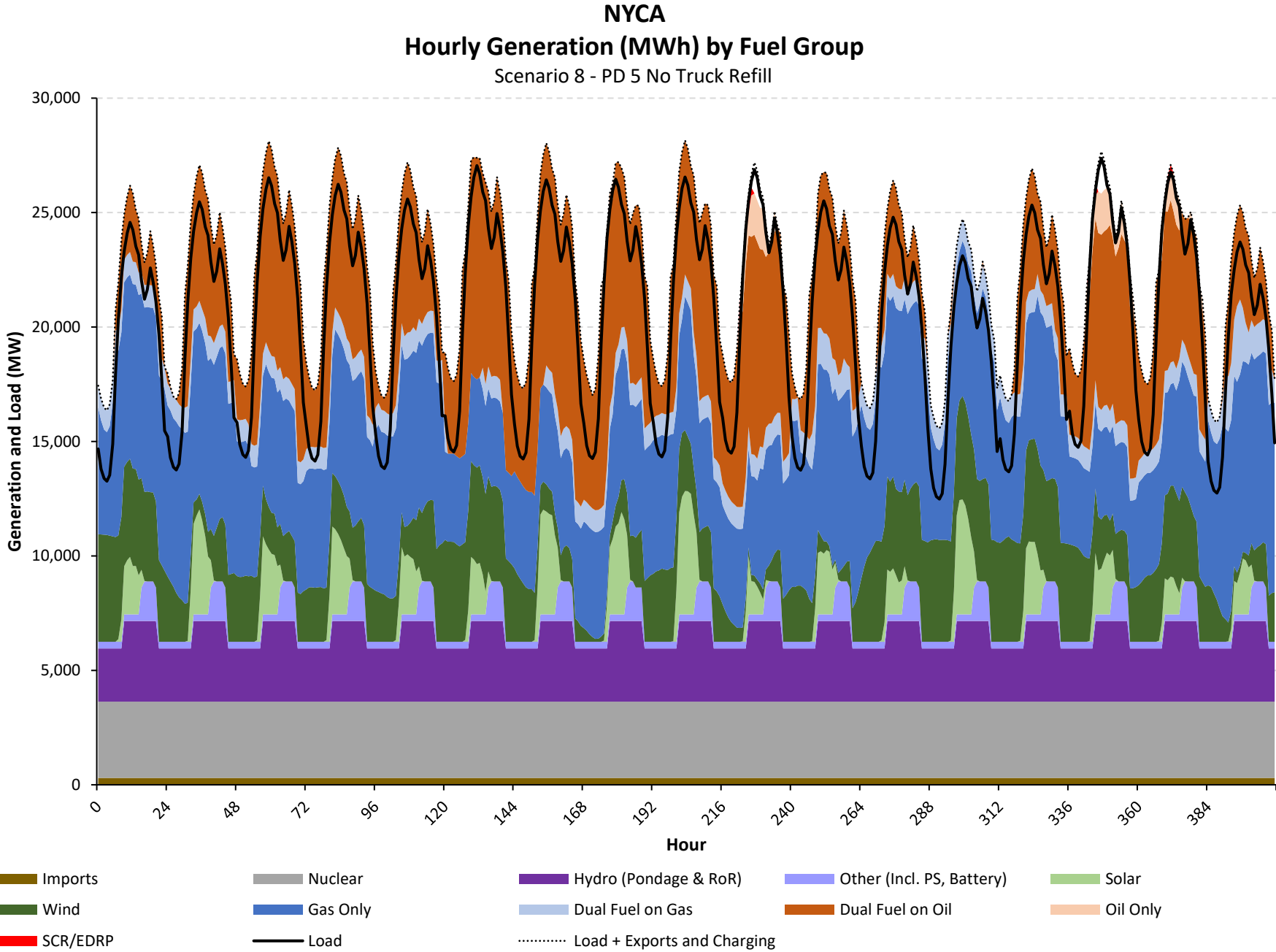
| Loss of Load           |       |
|------------------------|-------|
| Total Hrs.             | 9     |
| Total MWh              | 9,306 |
| Avg. MW                | 22.8  |
| First Hour with Losses | 226   |

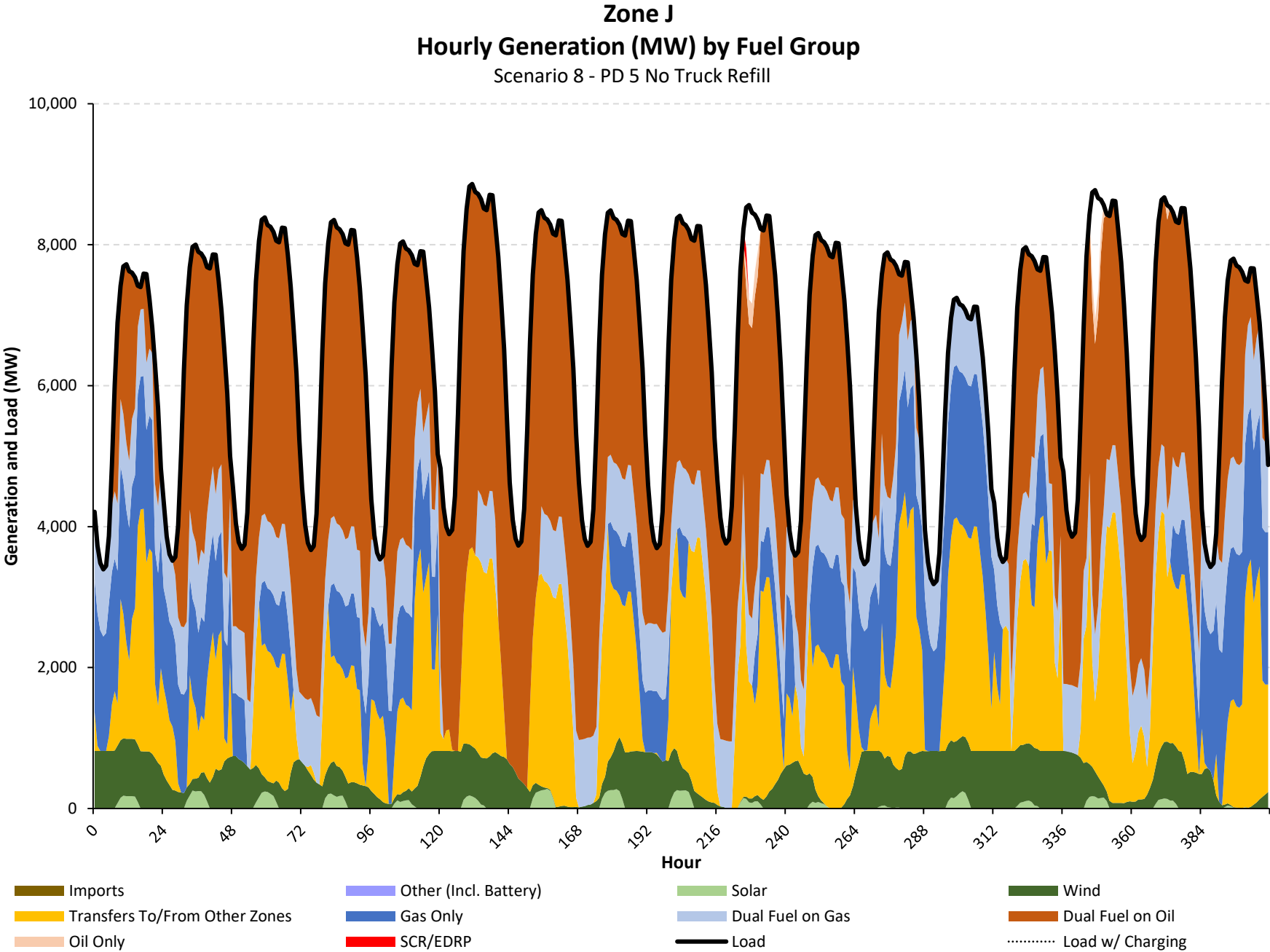
Full Period Results Summary

Case Name: Scenario 8 - PD 5 No Truck Refill

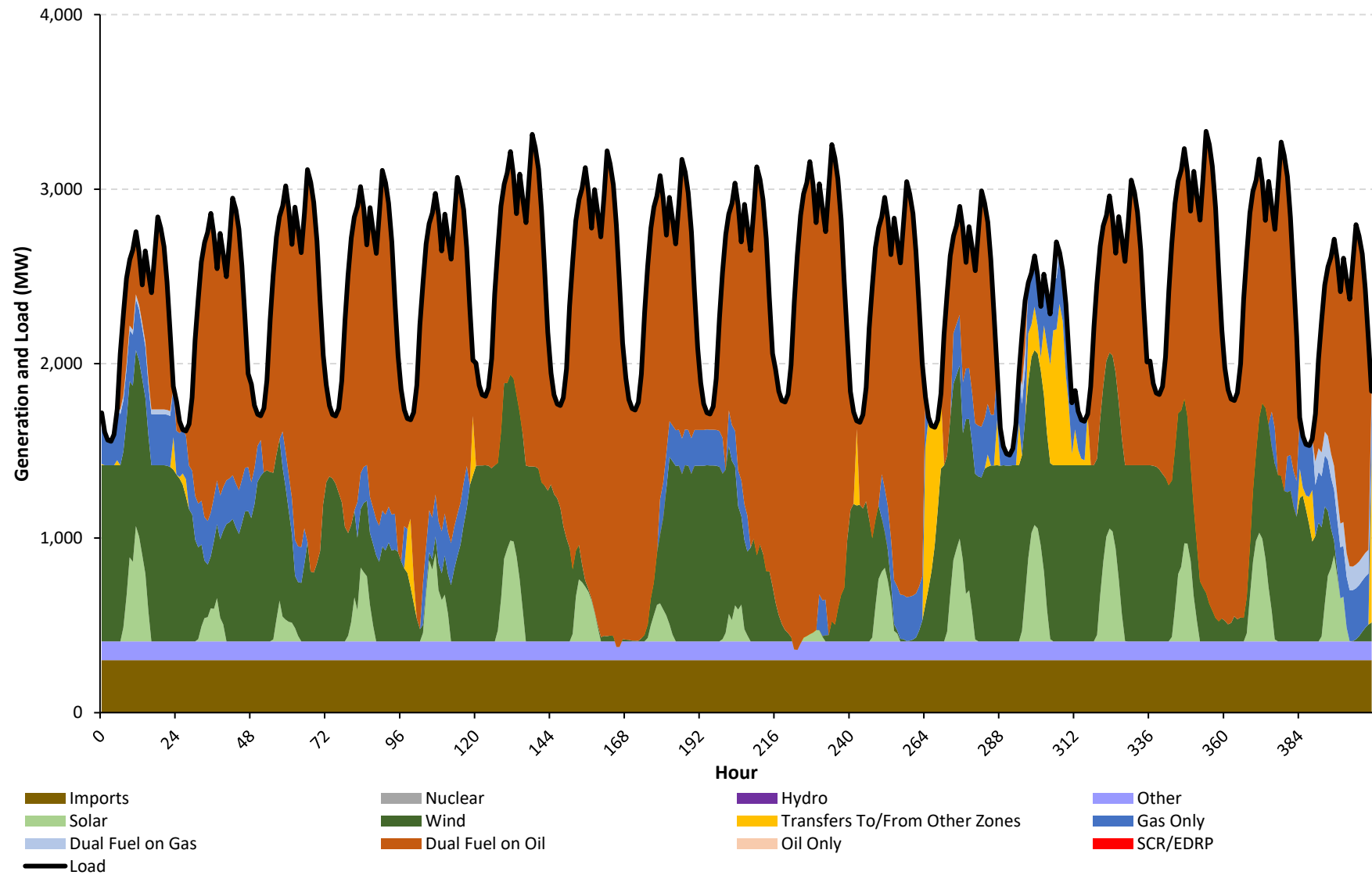
| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Trucks |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

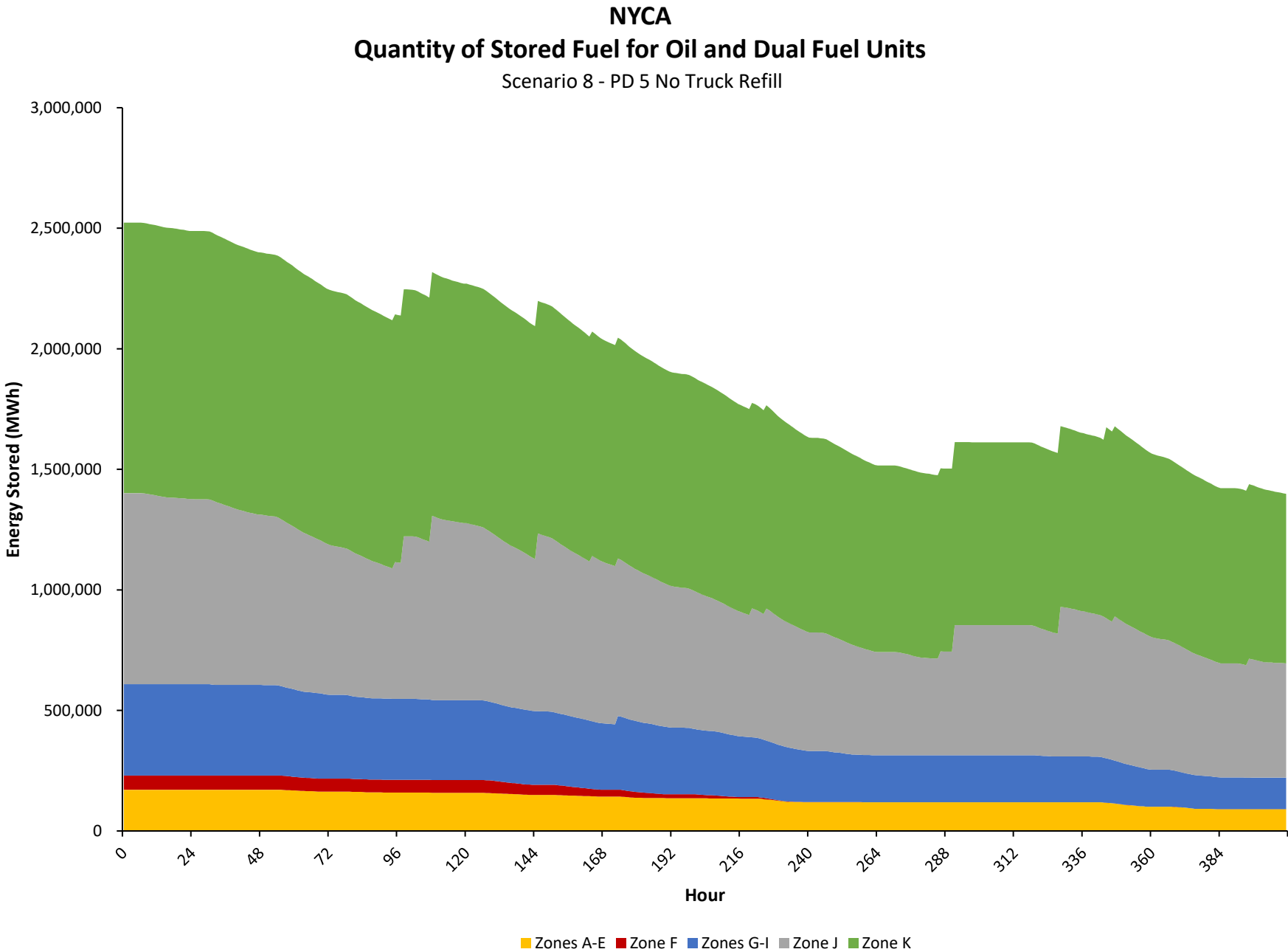


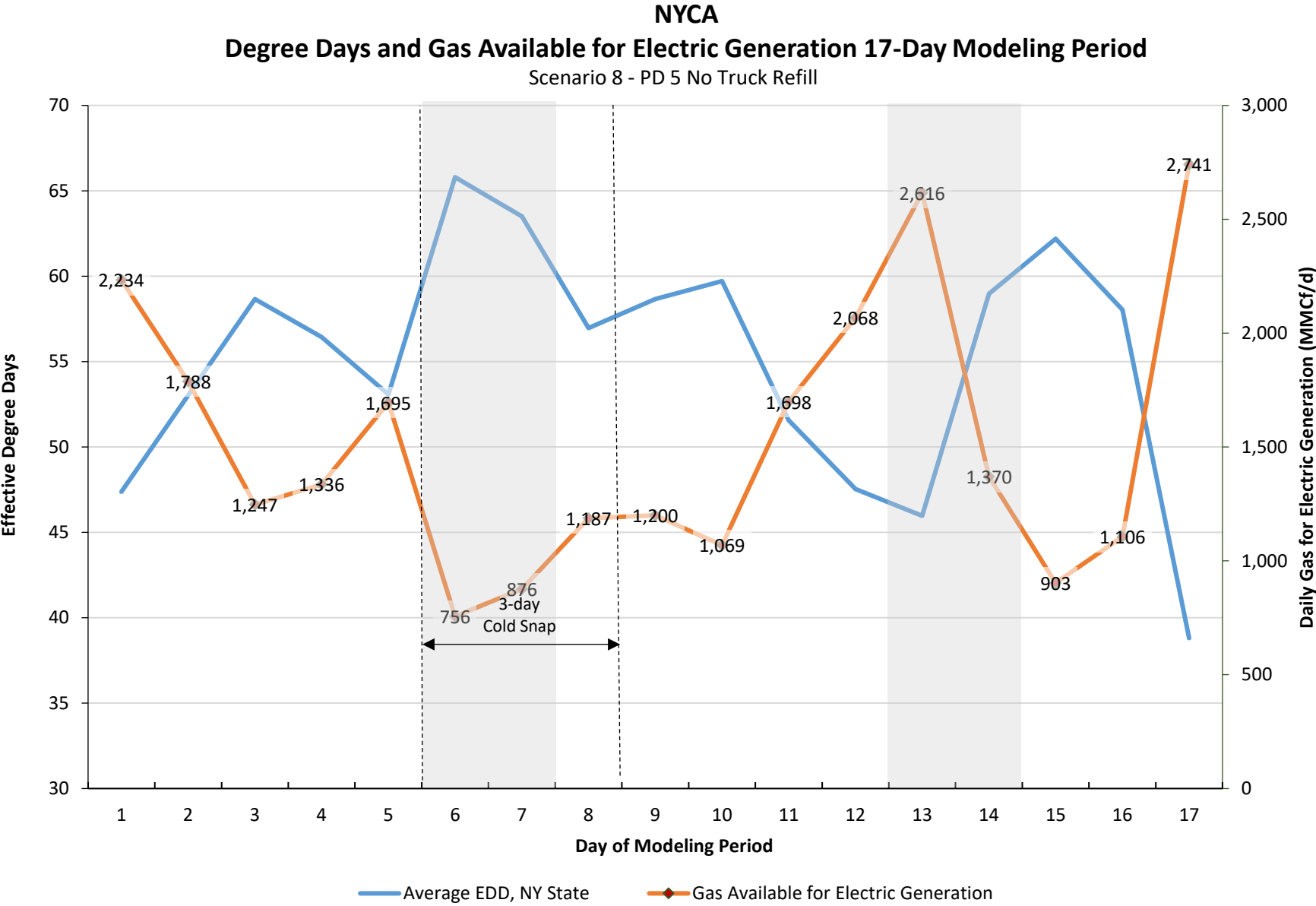




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 5 No Truck Refill

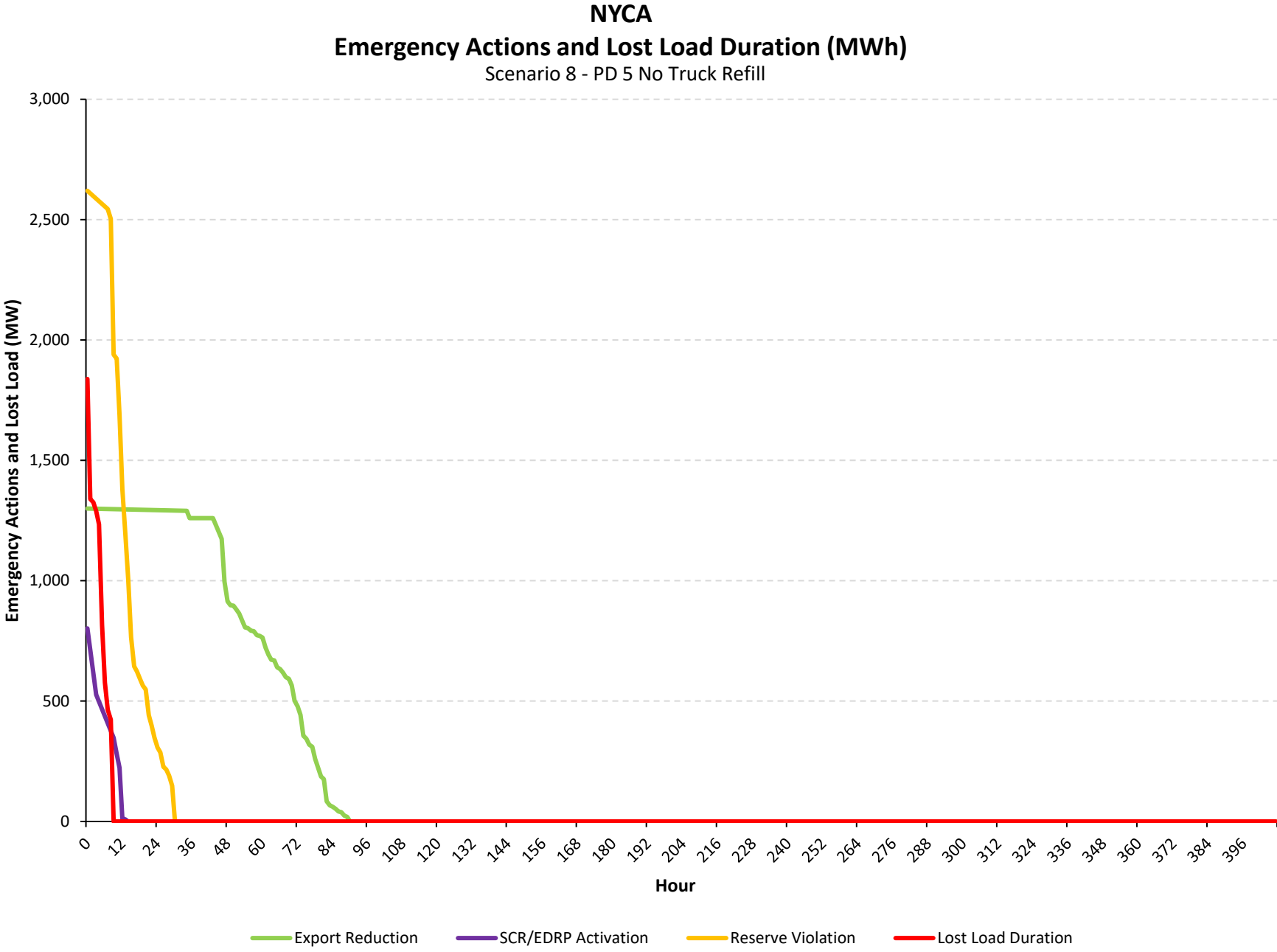


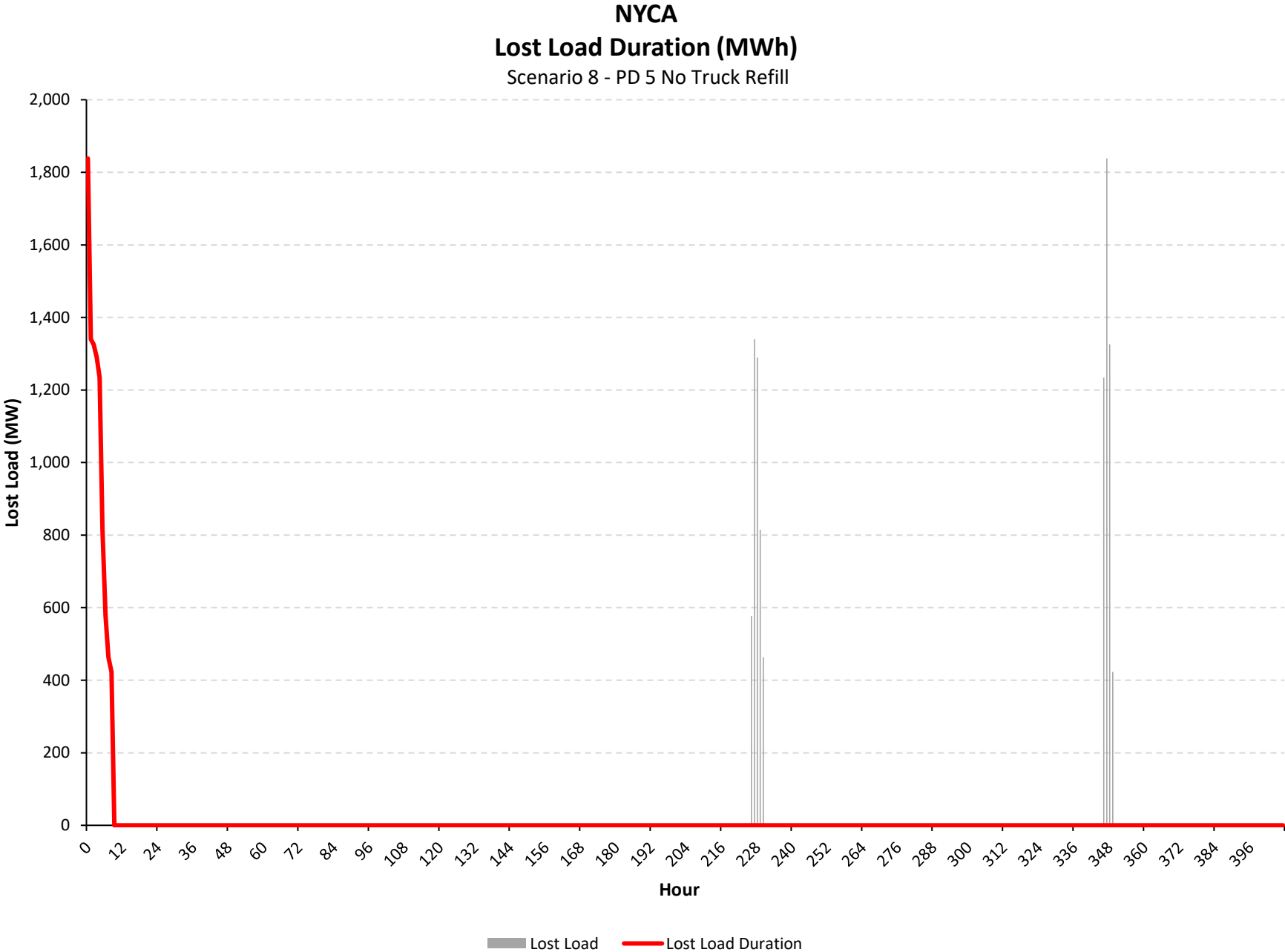




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





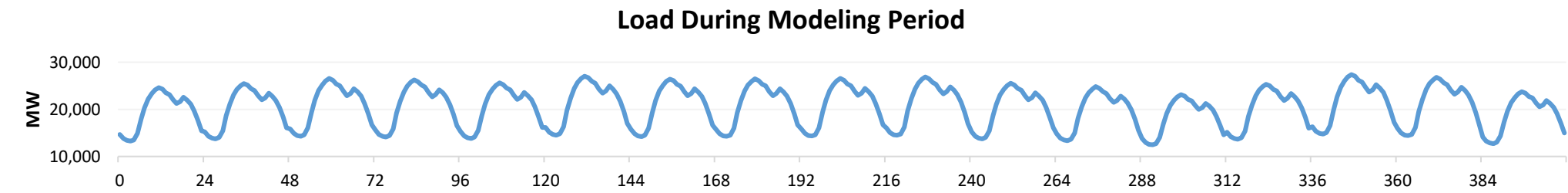


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

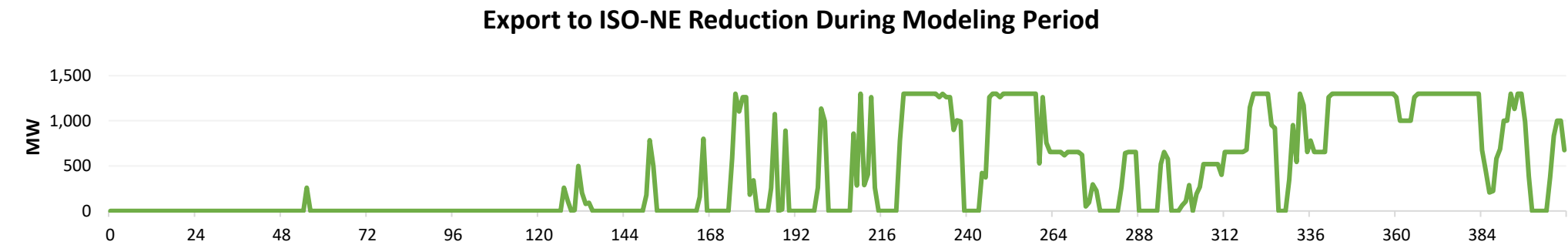
### **Case: Scenario 8 - PD 6 No Barge Refill (Winter 2026/2027)**

Hourly Results Summary

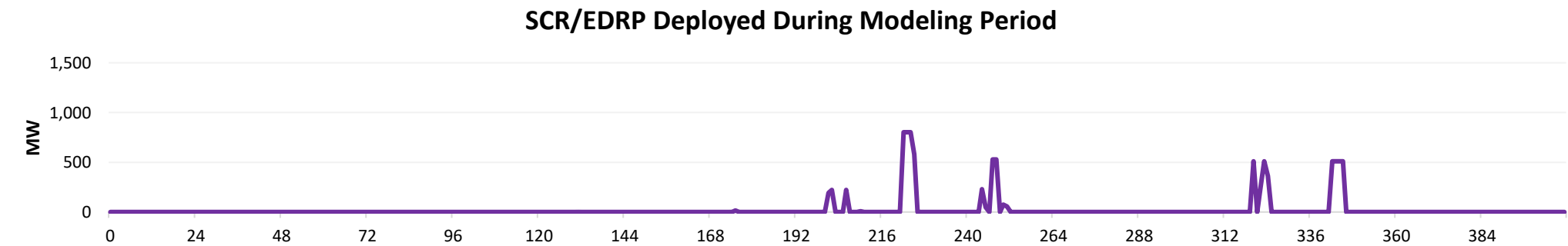
Case Name: Scenario 8 - PD 6 No Barge Refill



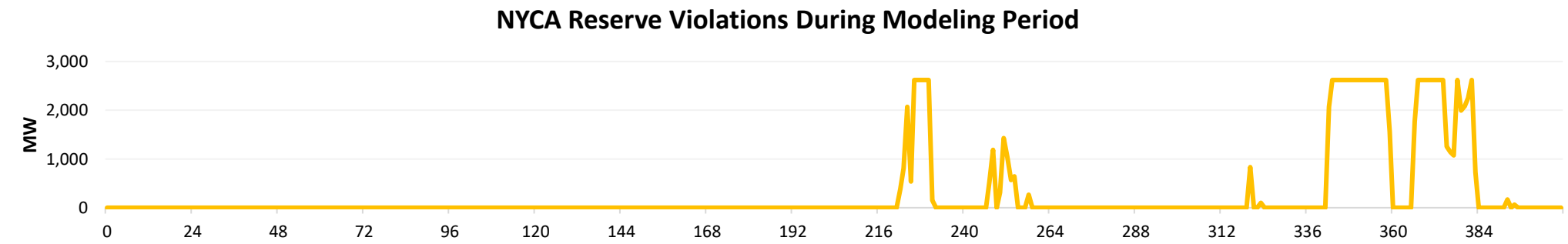
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | No Barge |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |



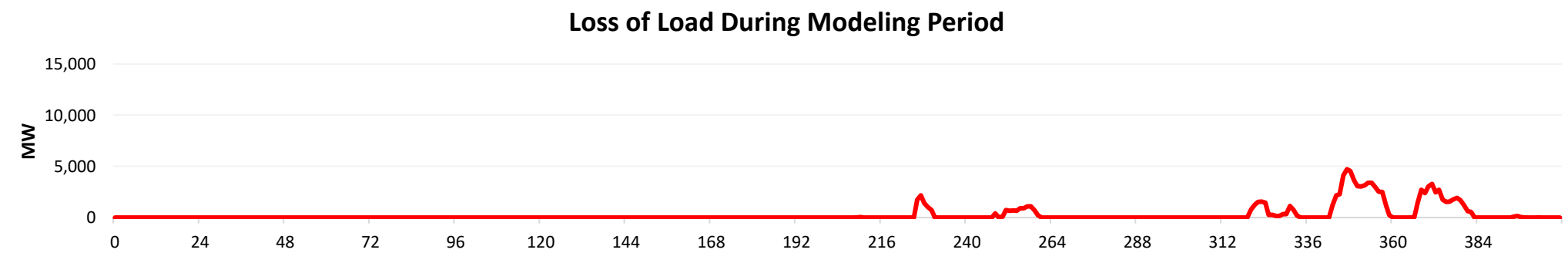
| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 192     |
| Total MWh         | 170,259 |
| Avg. MW           | 417.3   |



| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 23    |
| Total MWh      | 8,782 |
| Avg. MW        | 21.5  |



| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 58      |
| Total MWh             | 108,242 |
| Avg. MW               | 265.3   |
| First Hour with Viol. | 202     |

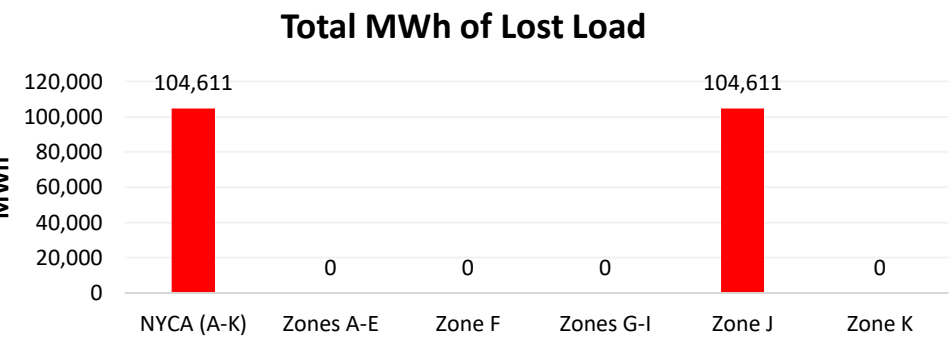
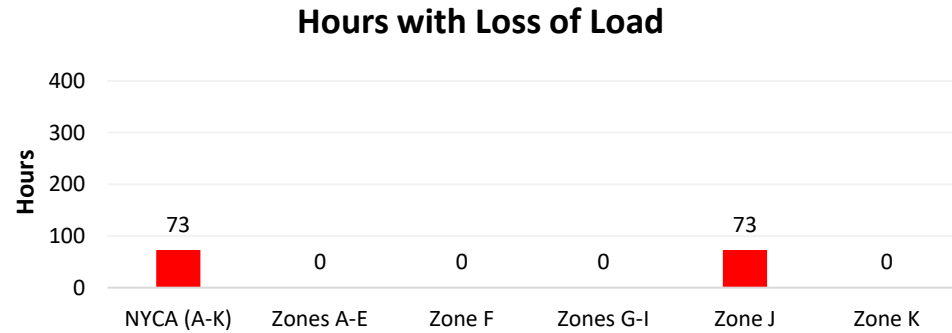
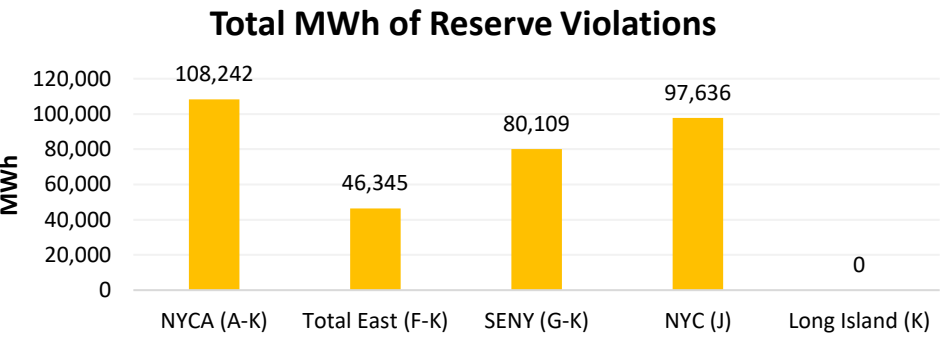
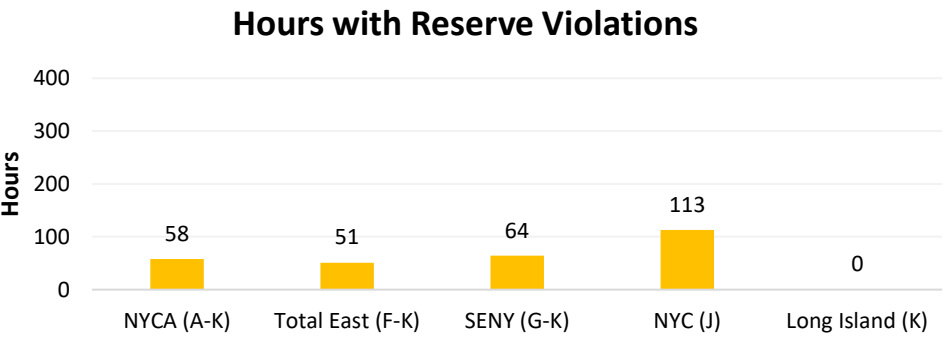
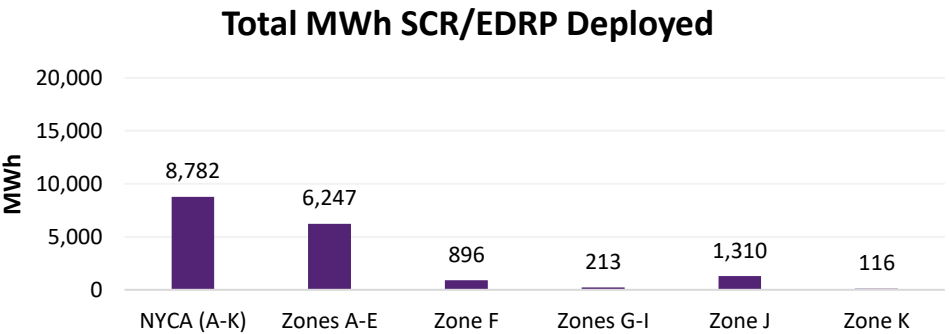
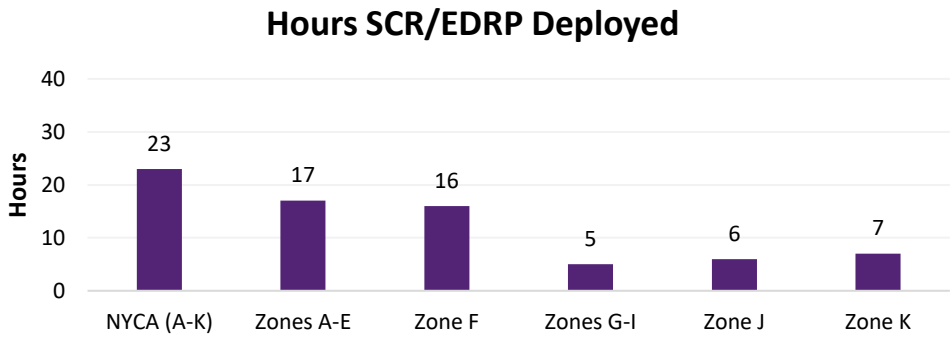
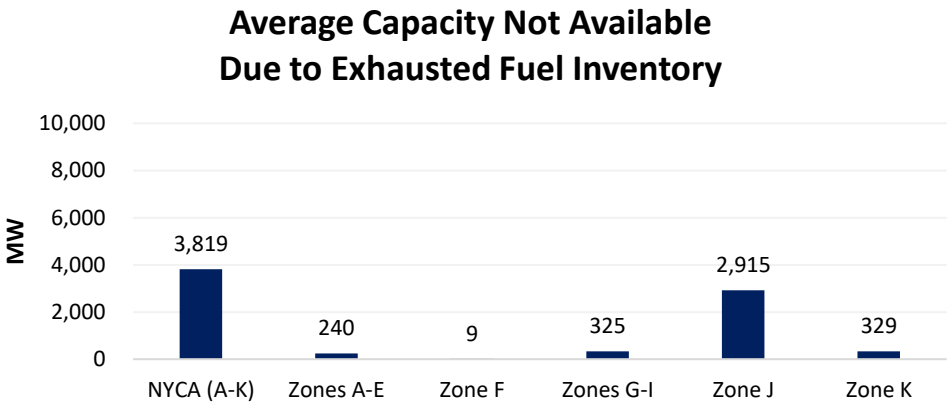
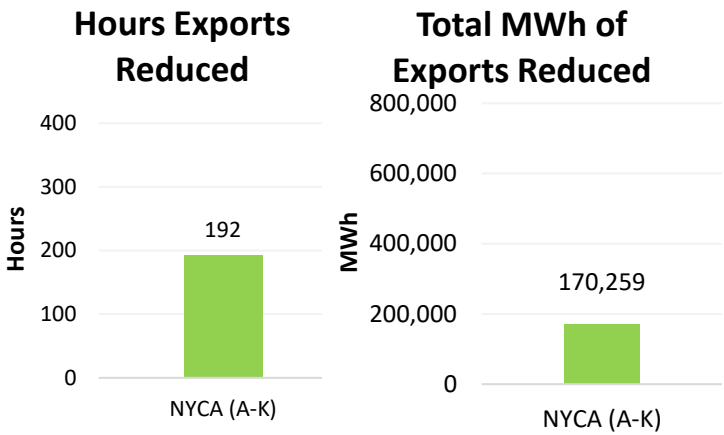


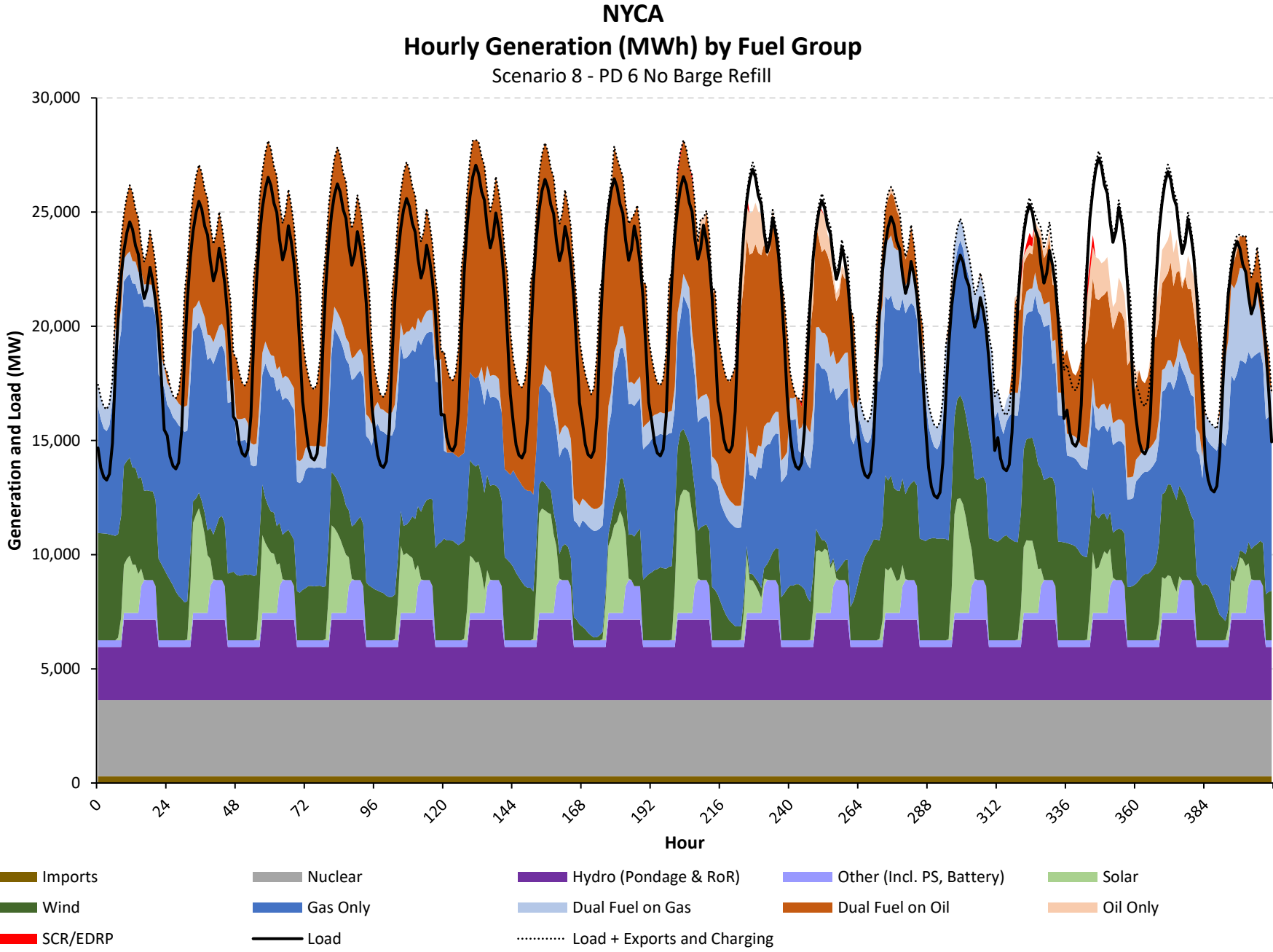
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 73      |
| Total MWh              | 104,611 |
| Avg. MW                | 256.4   |
| First Hour with Losses | 209     |

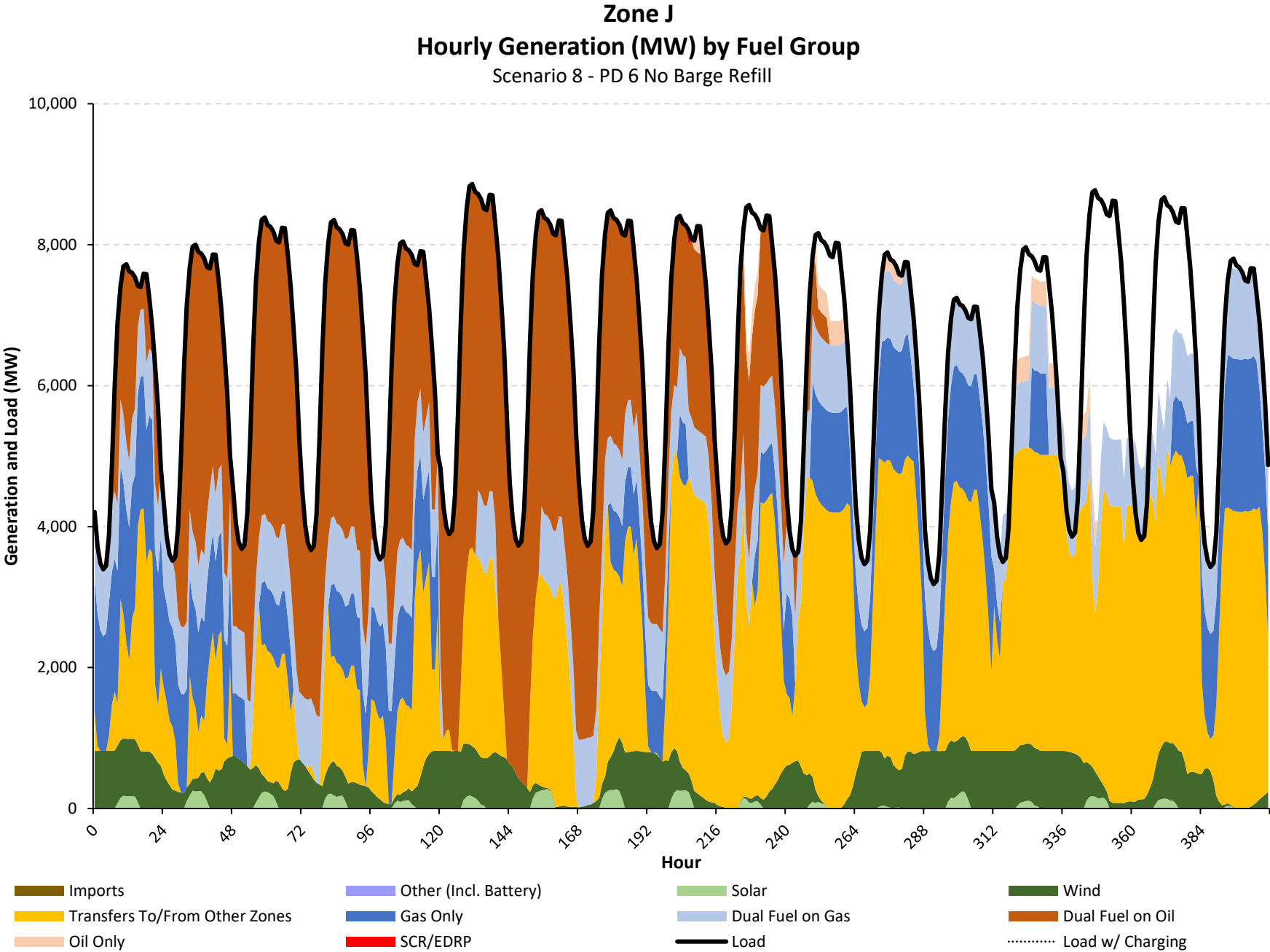
Full Period Results Summary

Case Name: Scenario 8 - PD 6 No Barge Refill

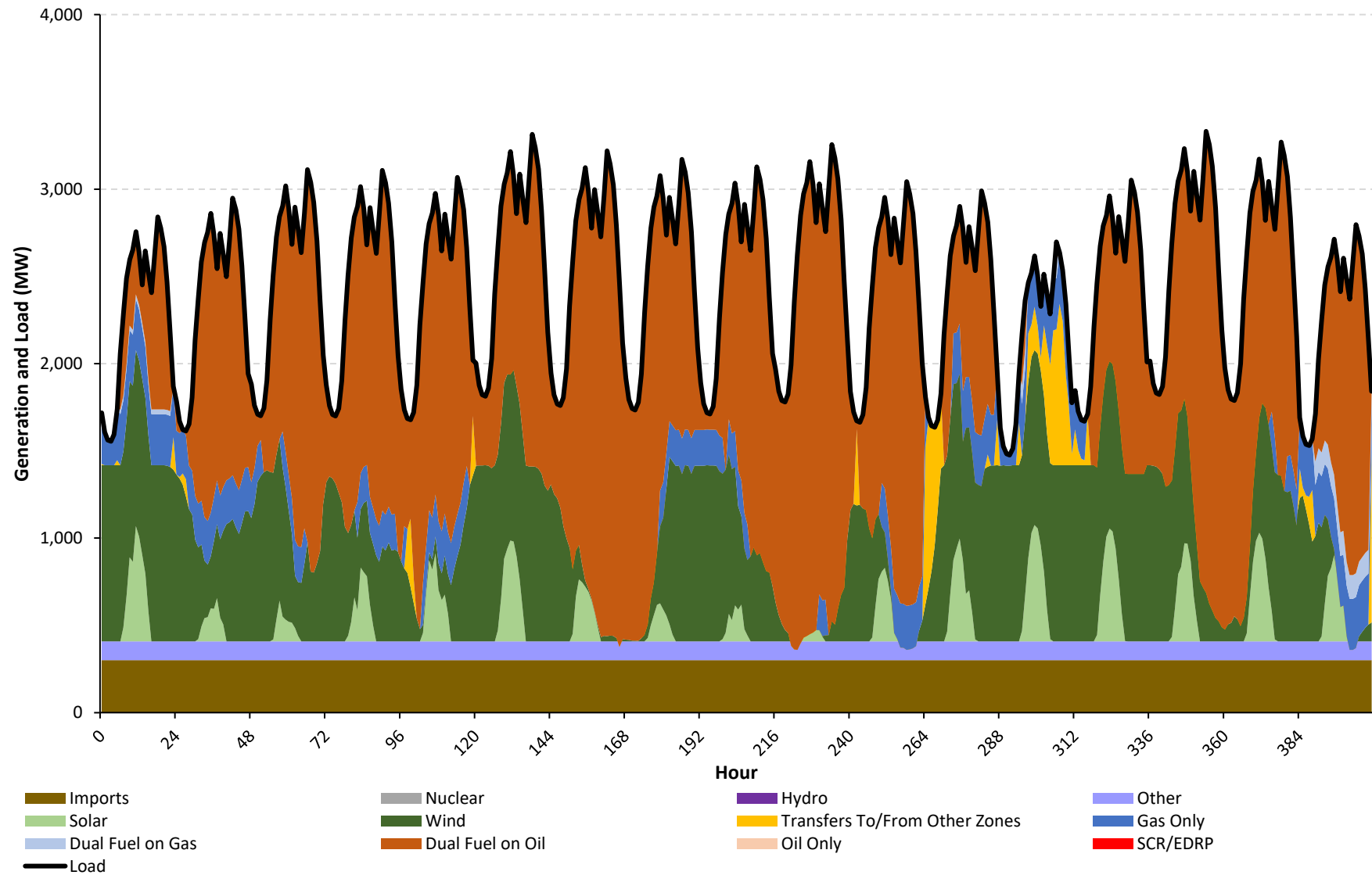
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | No Barge |
| Loss of Gas Fired Gen.   | Off      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |





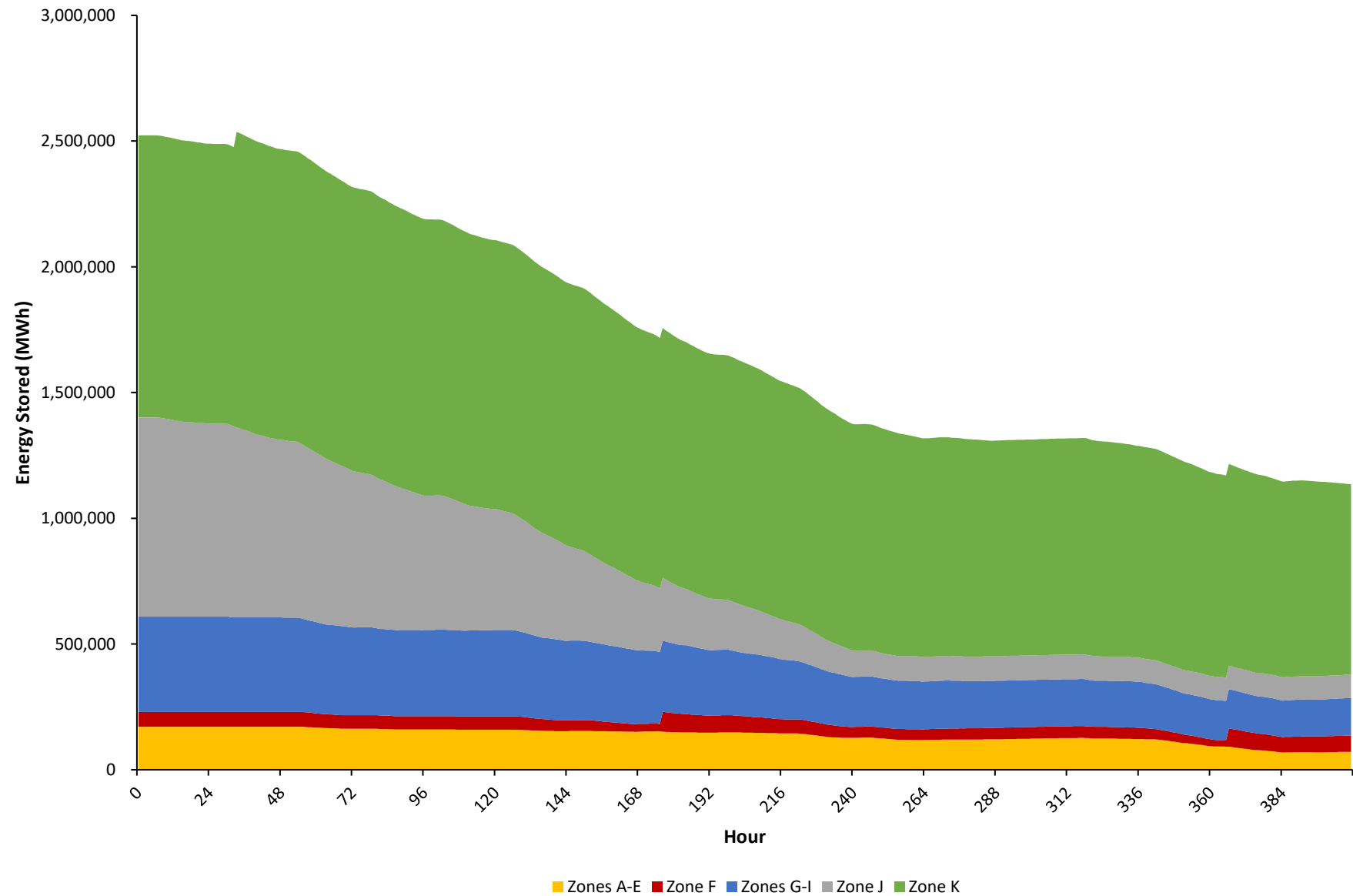


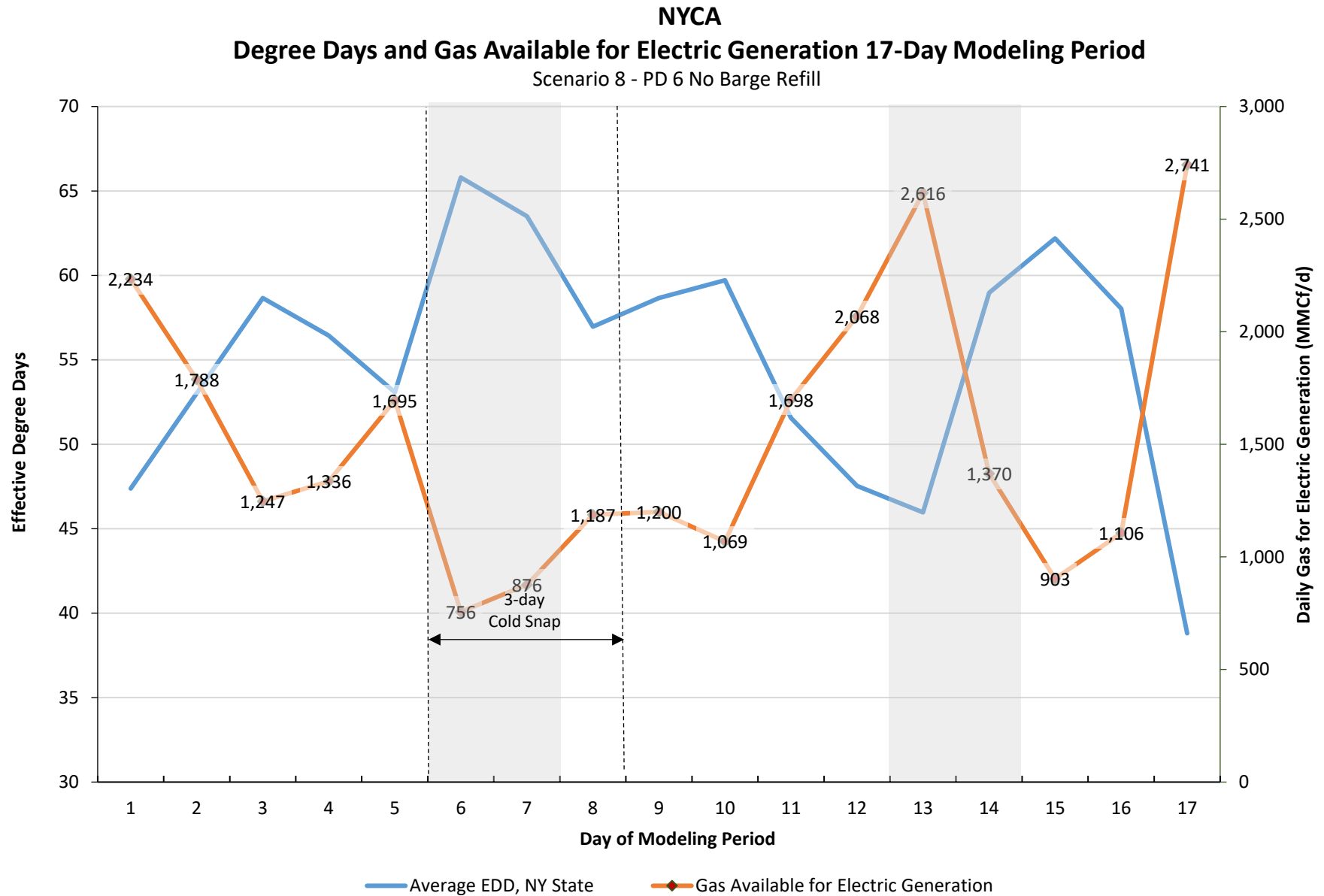
**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 6 No Barge Refill





**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 8 - PD 6 No Barge Refill

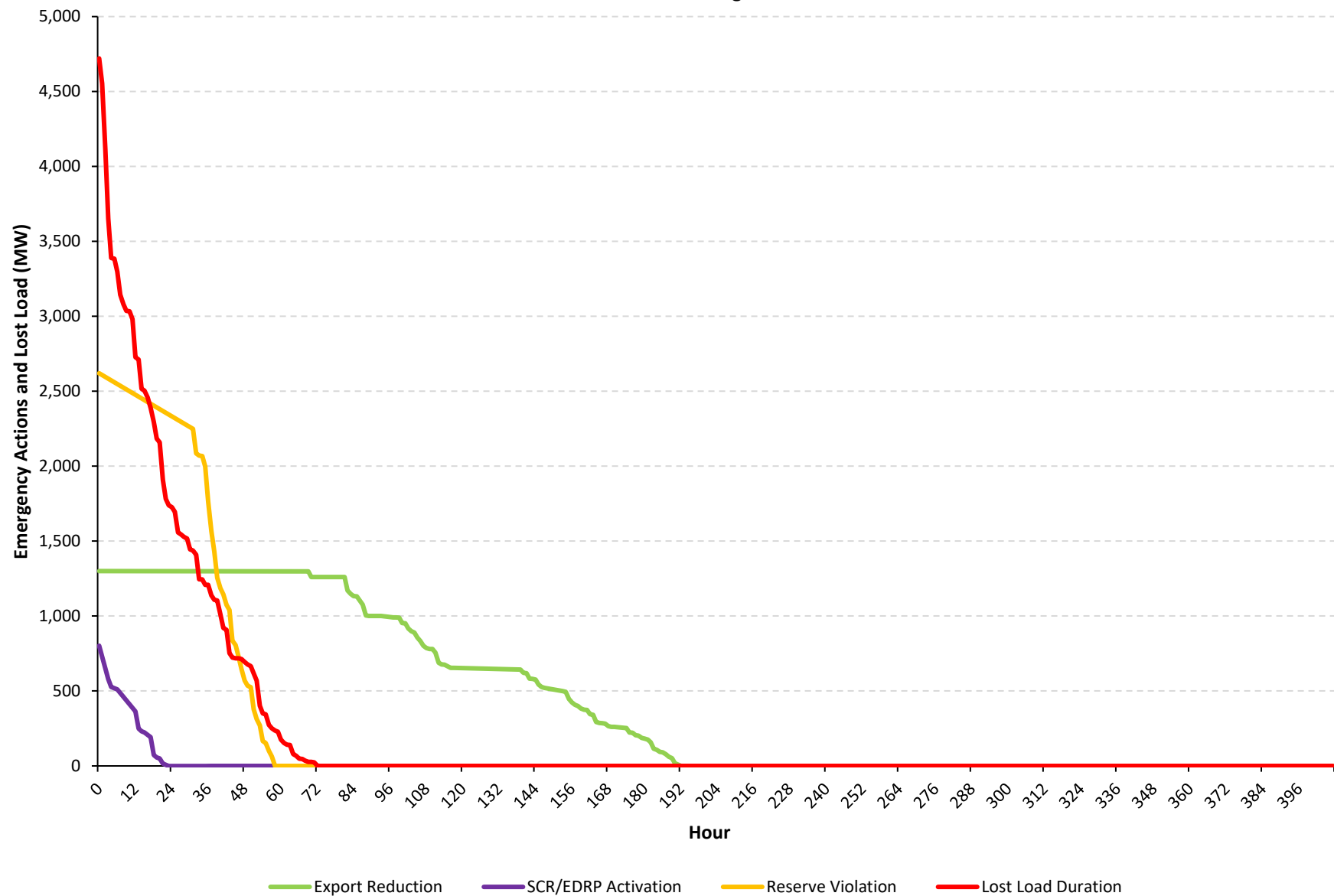


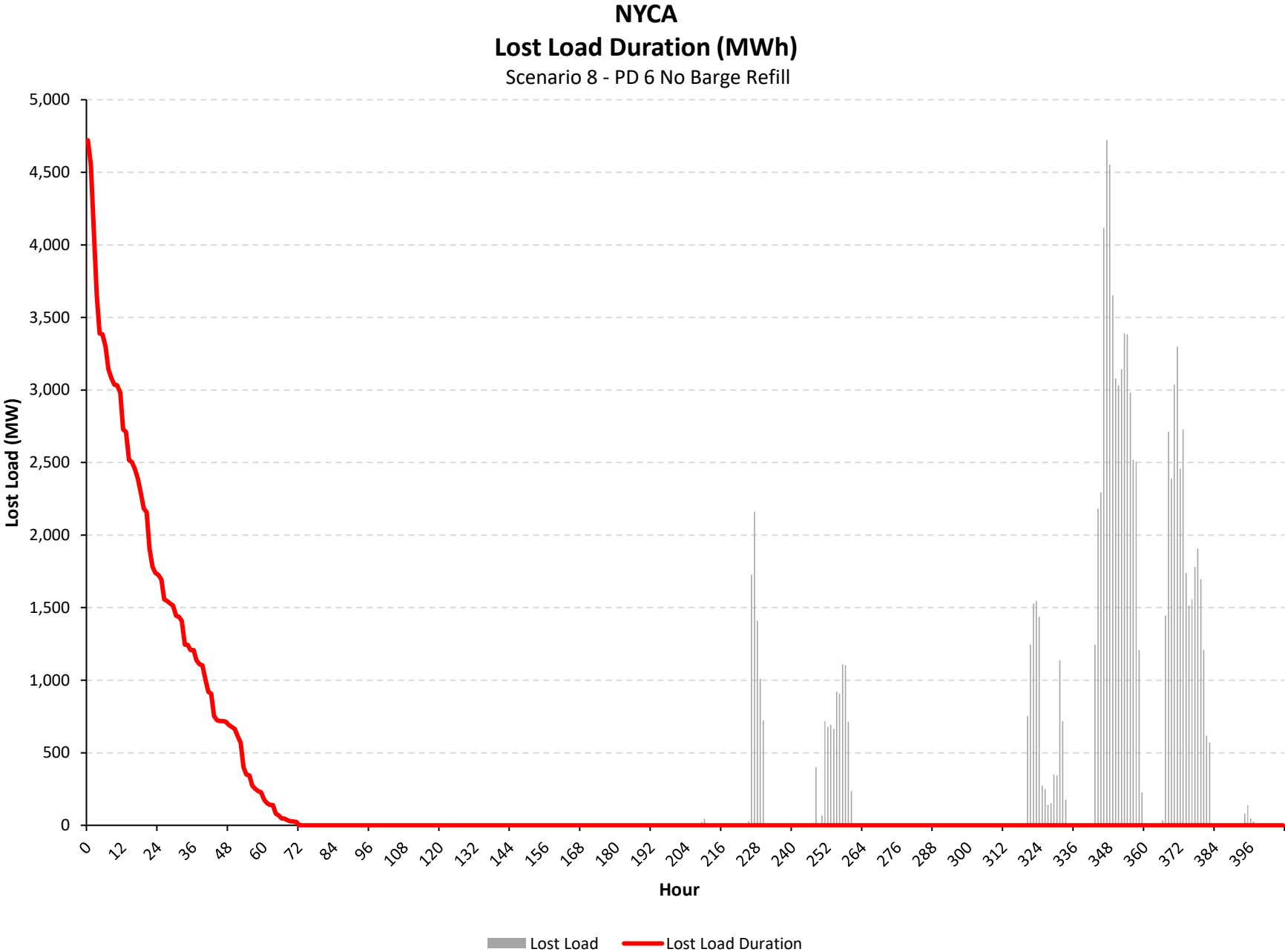


**Notes:**

- [1] Weekends are shaded in gray.
- [2] Effective degree day is defined as 65 degrees F - Temperature.

NYCA  
Emergency Actions and Lost Load Duration (MWh)  
Scenario 8 - PD 6 No Barge Refill



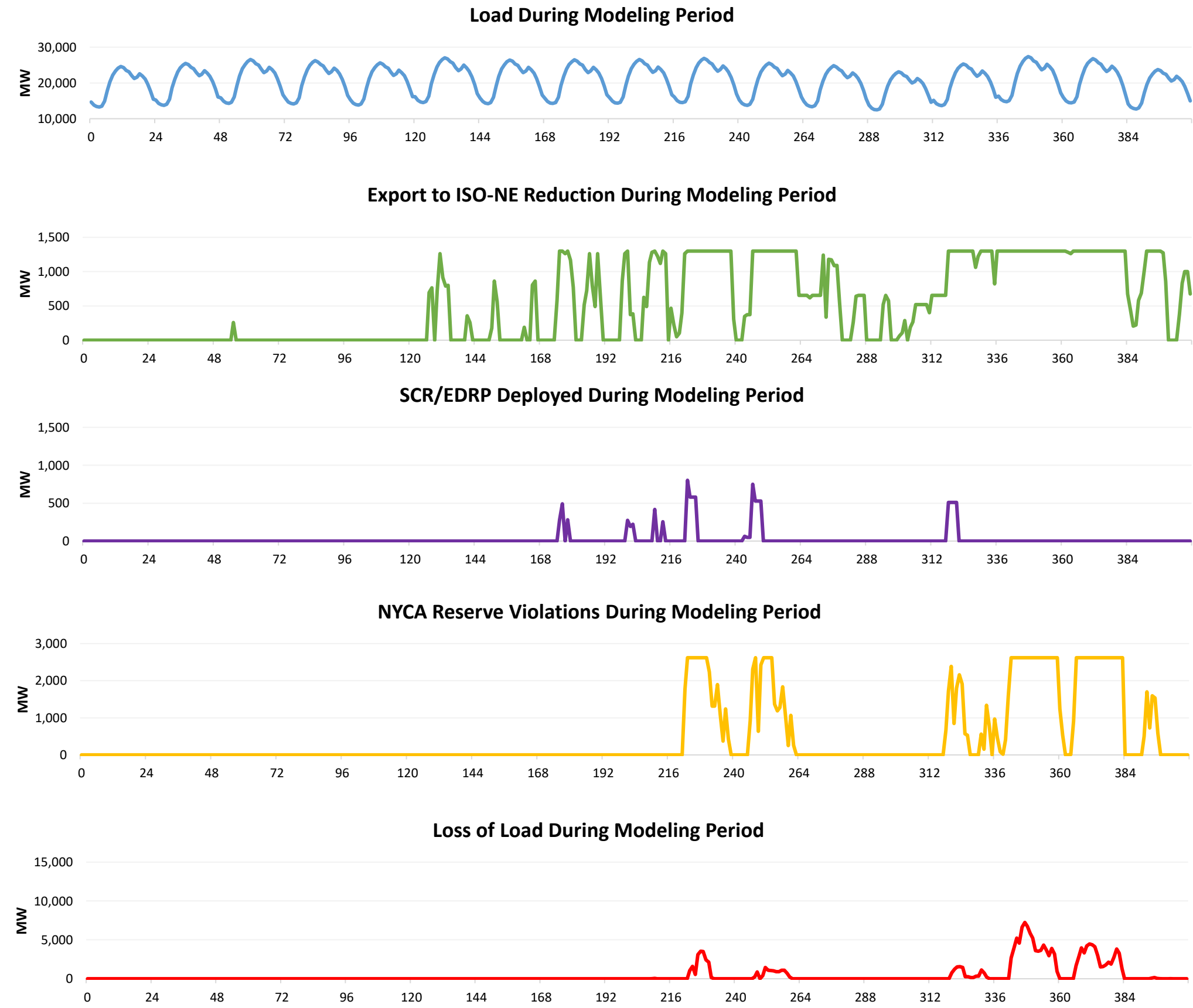


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 7 No Refill (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 7 No Refill



| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORD) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 215     |
| Total MWh         | 213,195 |
| Avg. MW           | 522.5   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 23    |
| Total MWh      | 9,484 |
| Avg. MW        | 23.2  |

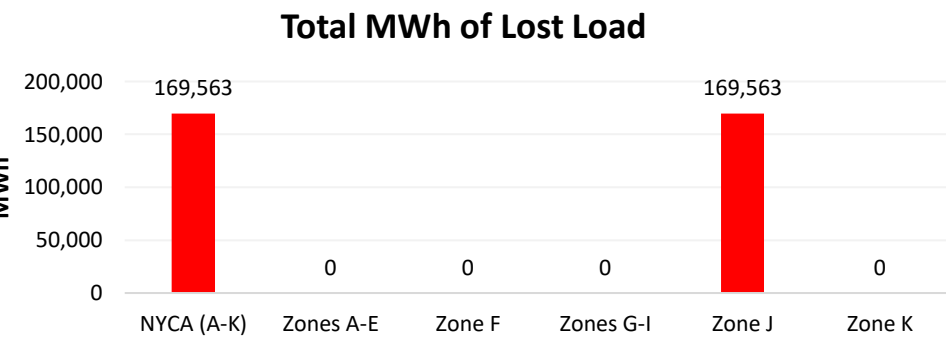
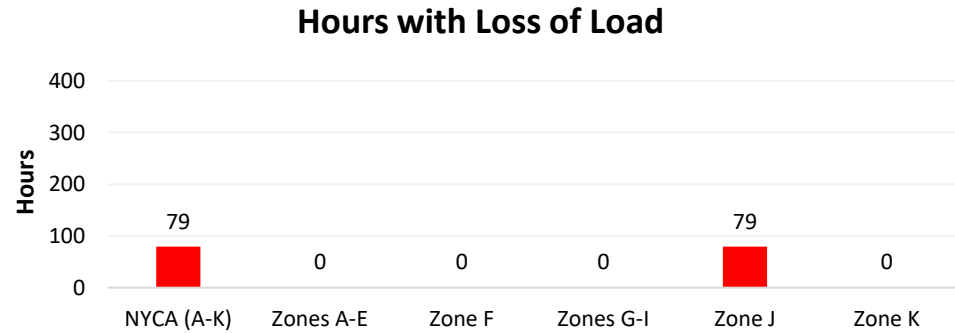
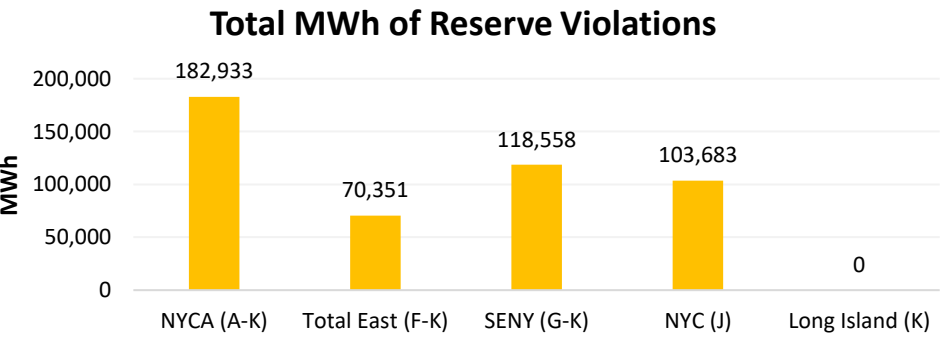
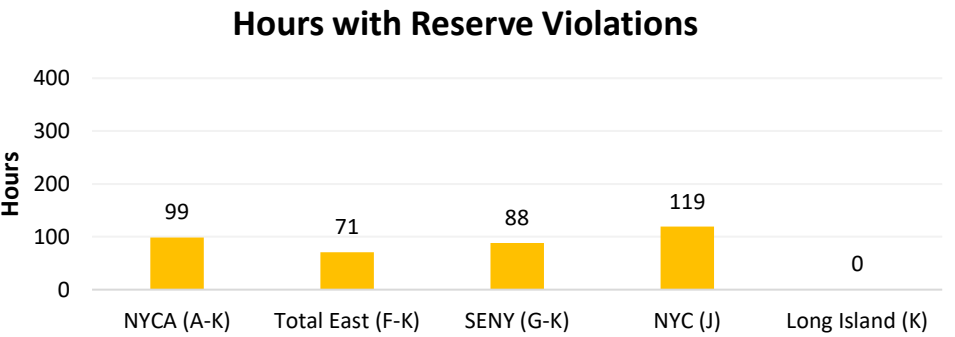
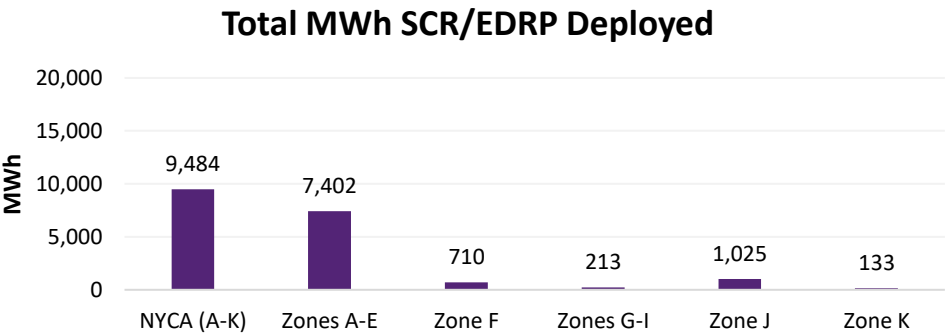
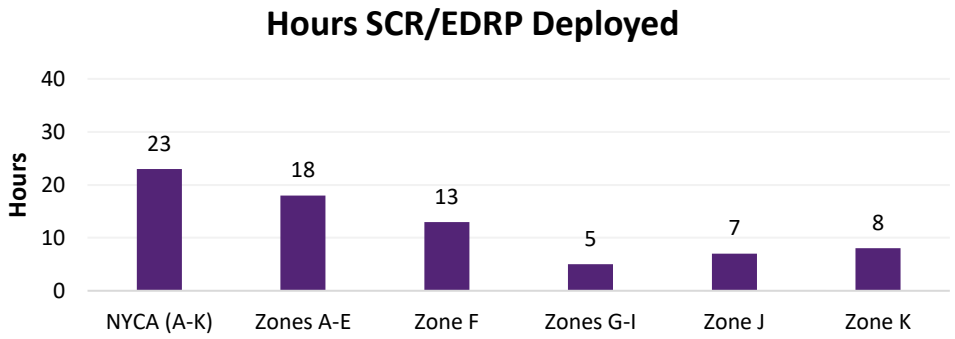
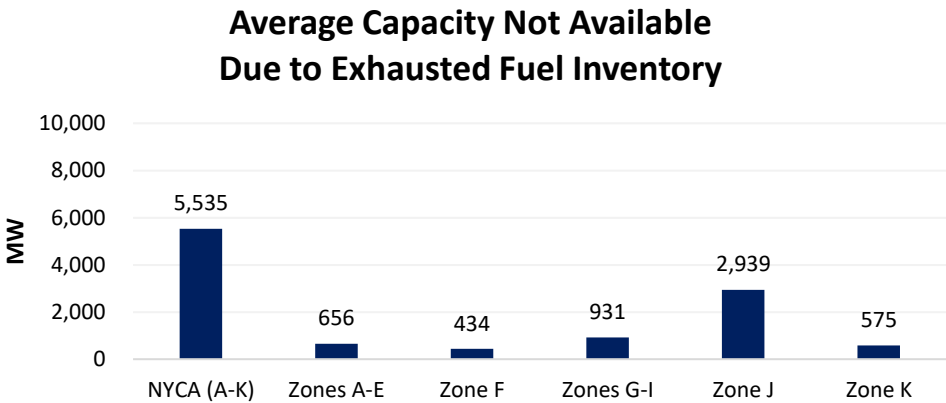
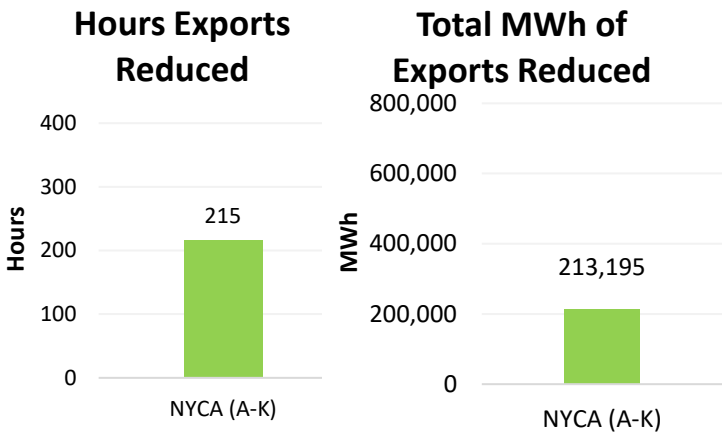
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 99      |
| Total MWh             | 182,933 |
| Avg. MW               | 448.4   |
| First Hour with Viol. | 202     |

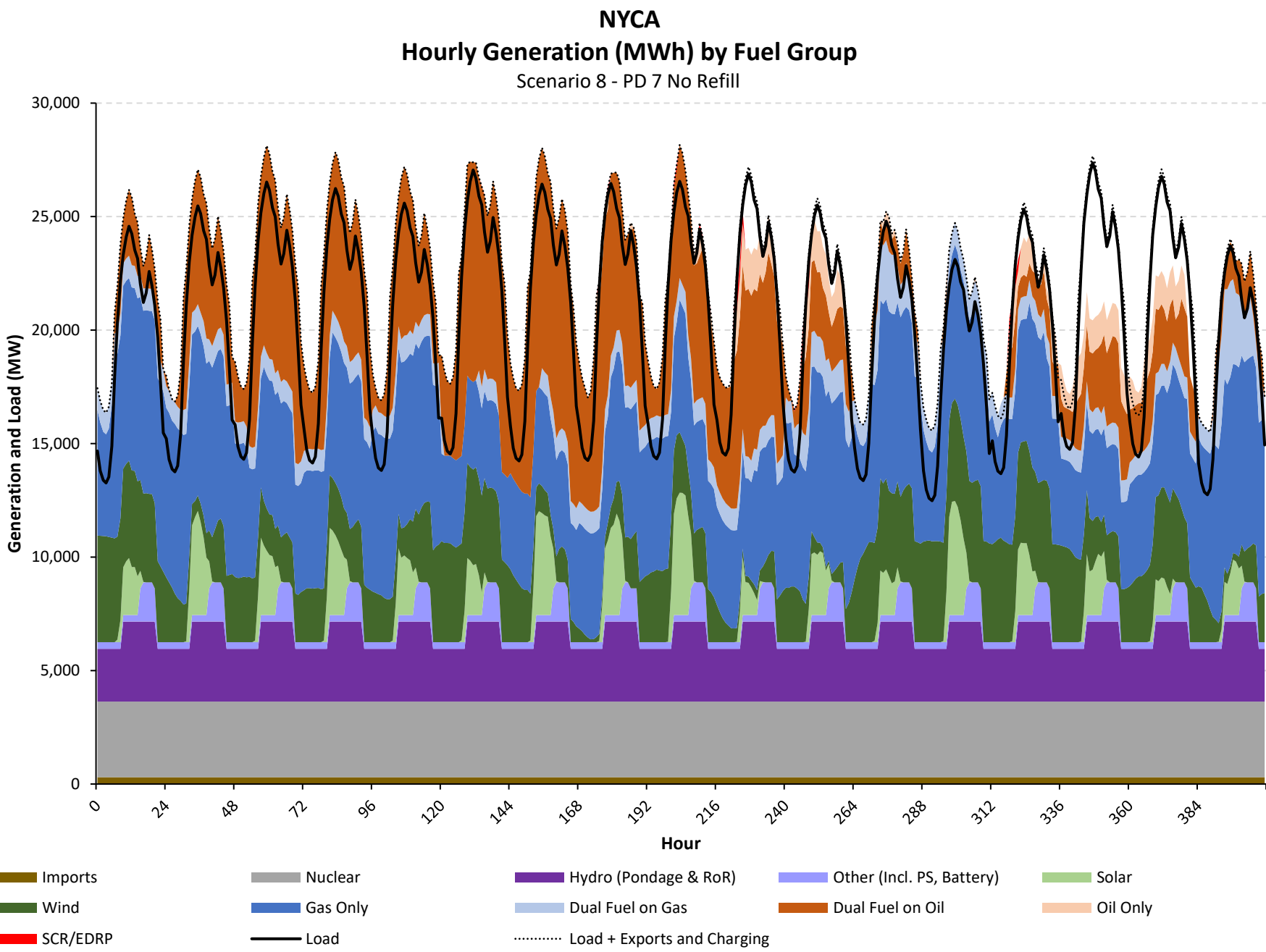
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 79      |
| Total MWh              | 169,563 |
| Avg. MW                | 415.6   |
| First Hour with Losses | 209     |

Full Period Results Summary

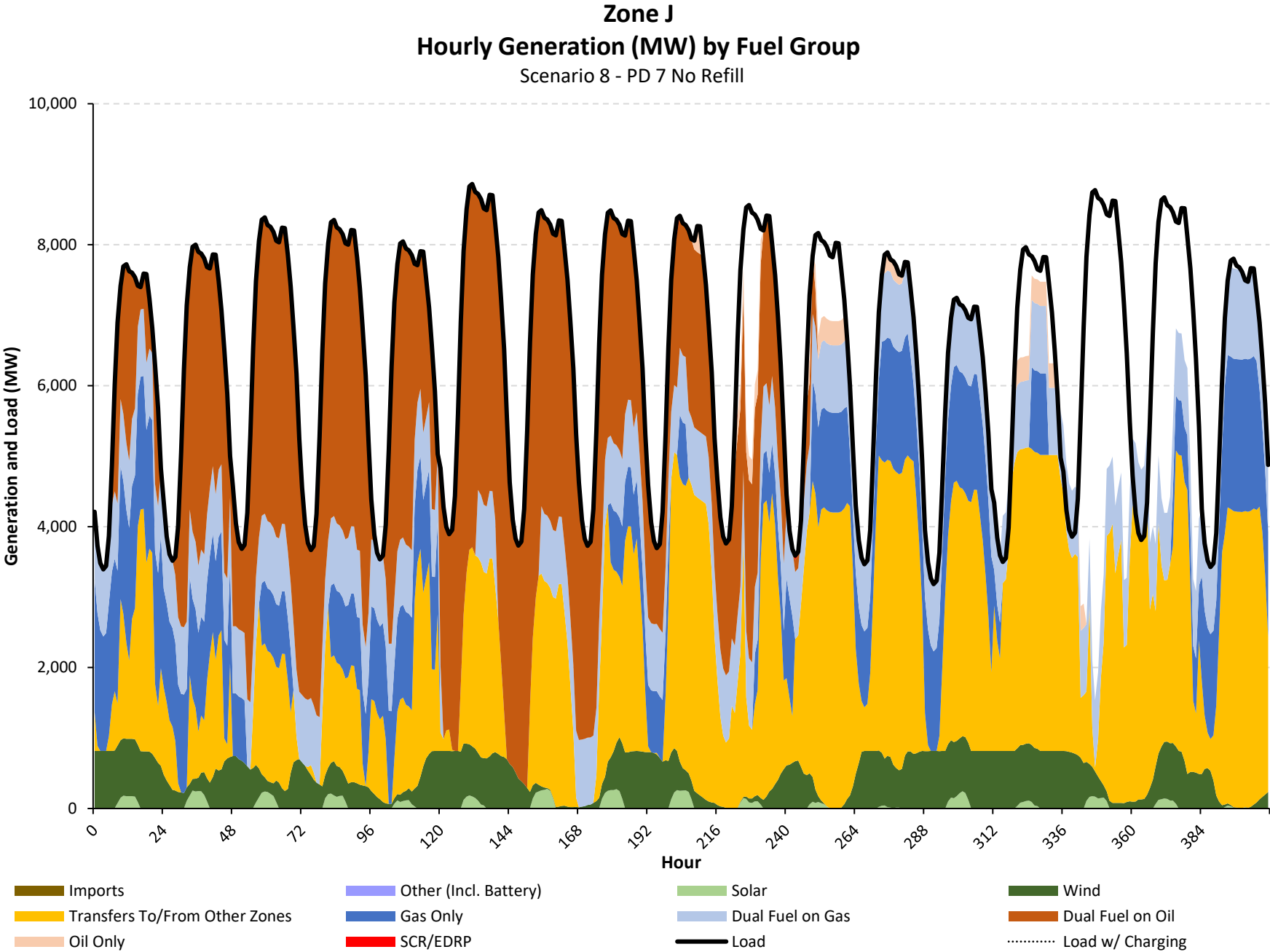
Case Name: Scenario 8 - PD 7 No Refill

| Case Summary             |           |
|--------------------------|-----------|
| Derate (EFORd) Increase: | Off       |
| Starting Storage:        | High      |
| Renewables:              | Delayed   |
| Refill Contingency:      | No Refill |
| Loss of Gas Fired Gen.   | Off       |
| Nuclear Contingency:     | Off       |
| Plant Outage:            | None      |
| Import Scenario:         | Net Zero  |

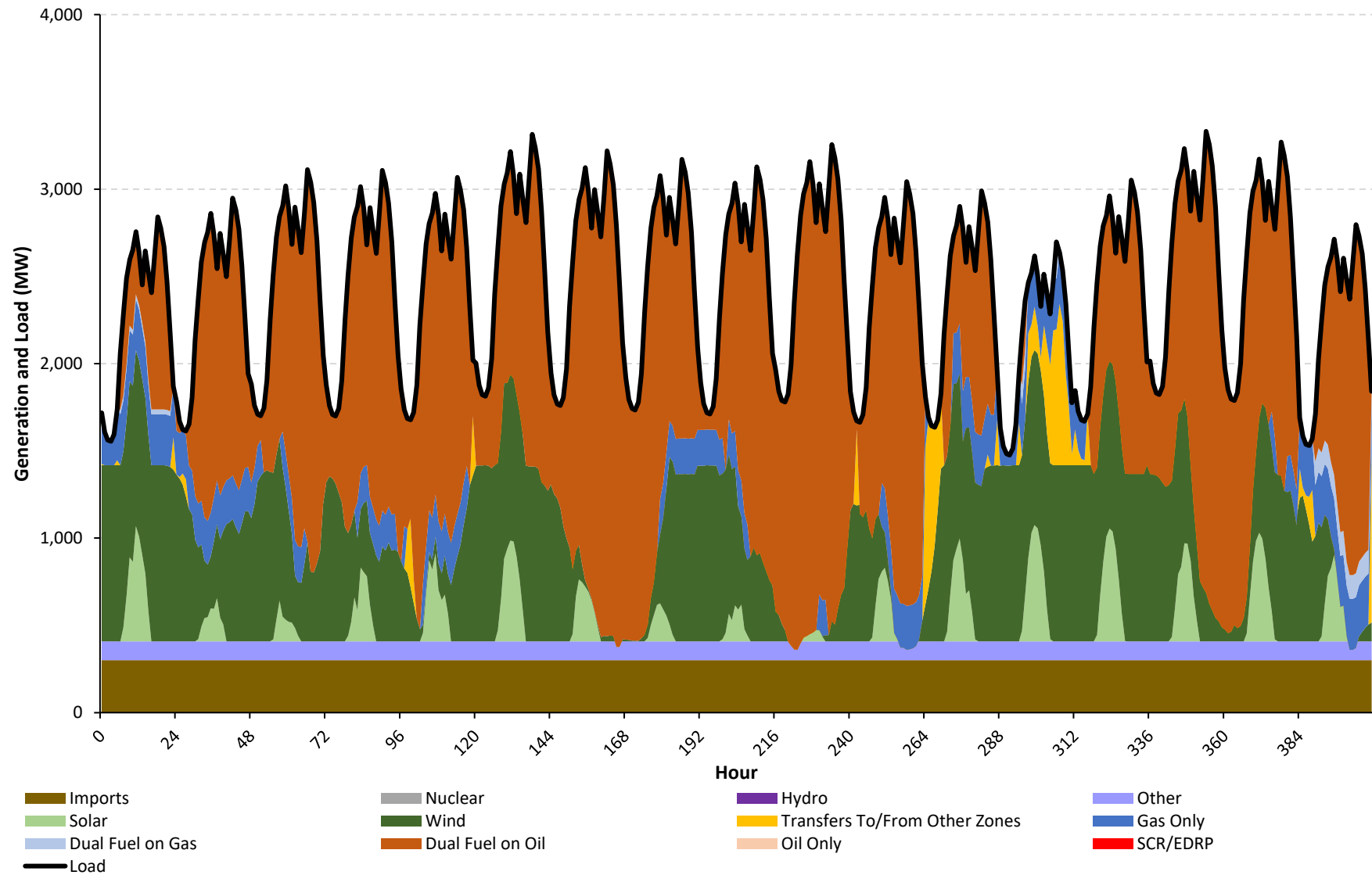




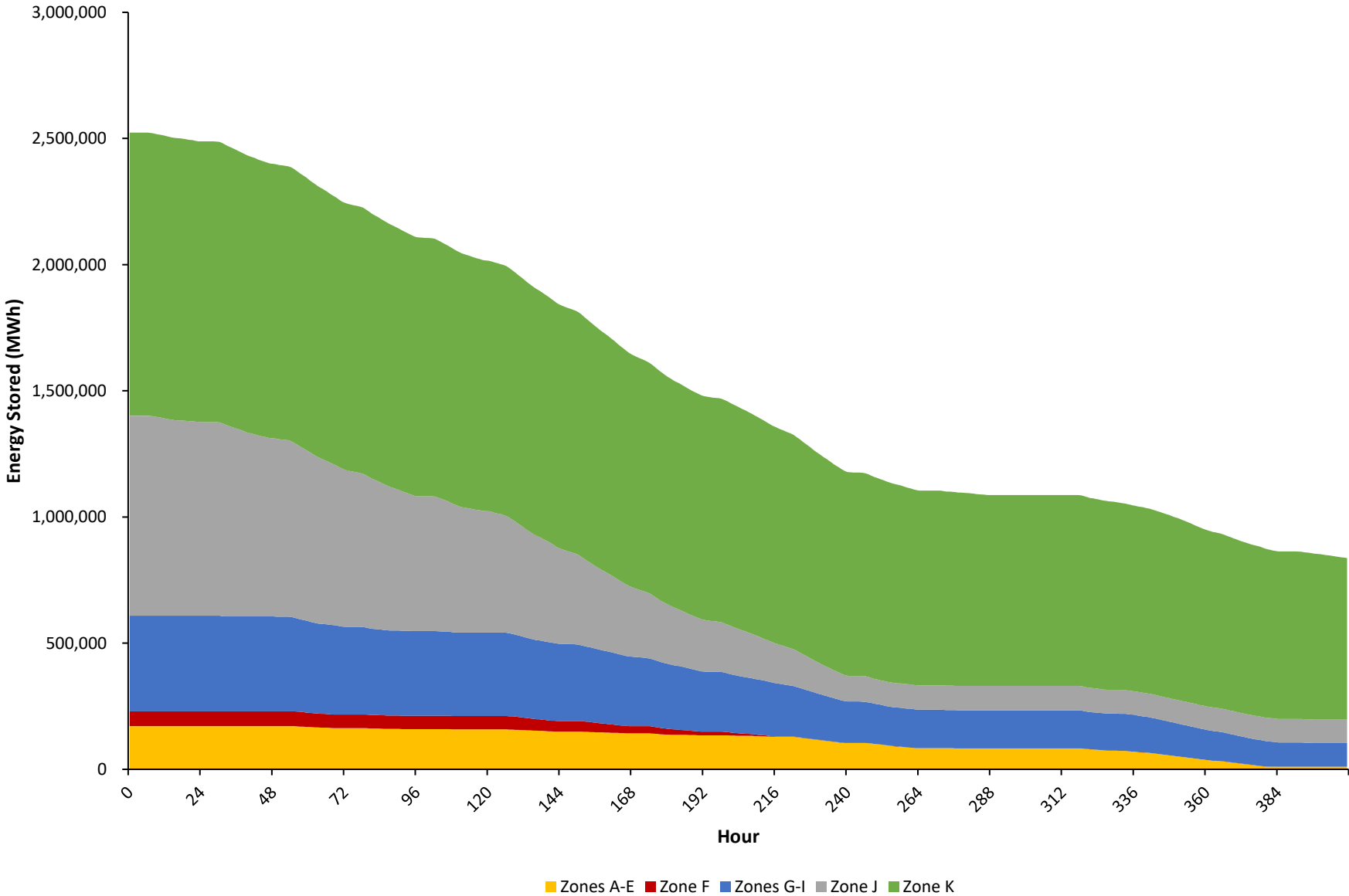


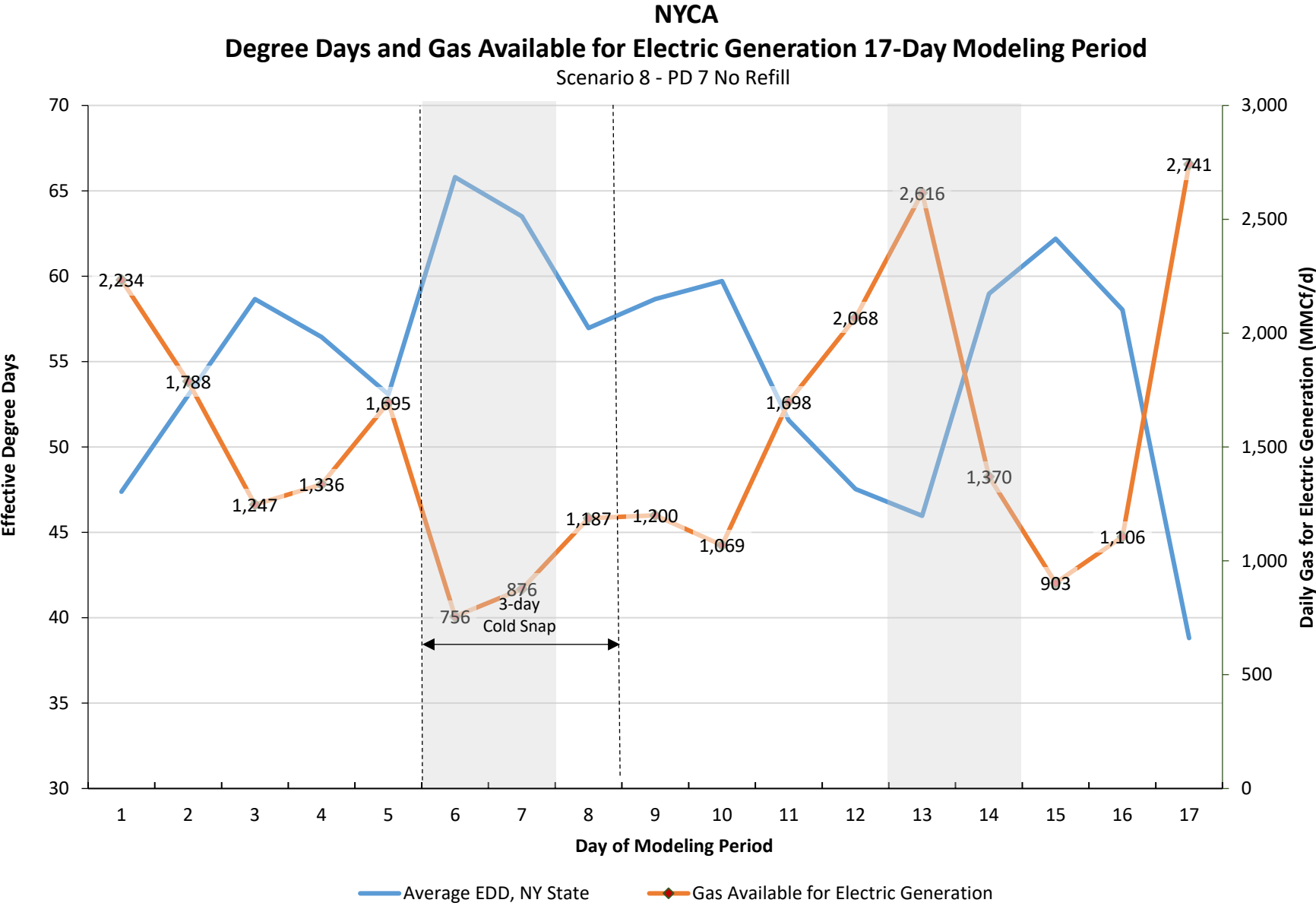


Zone K  
Hourly Generation (MW) by Fuel Group  
Scenario 8 - PD 7 No Refill

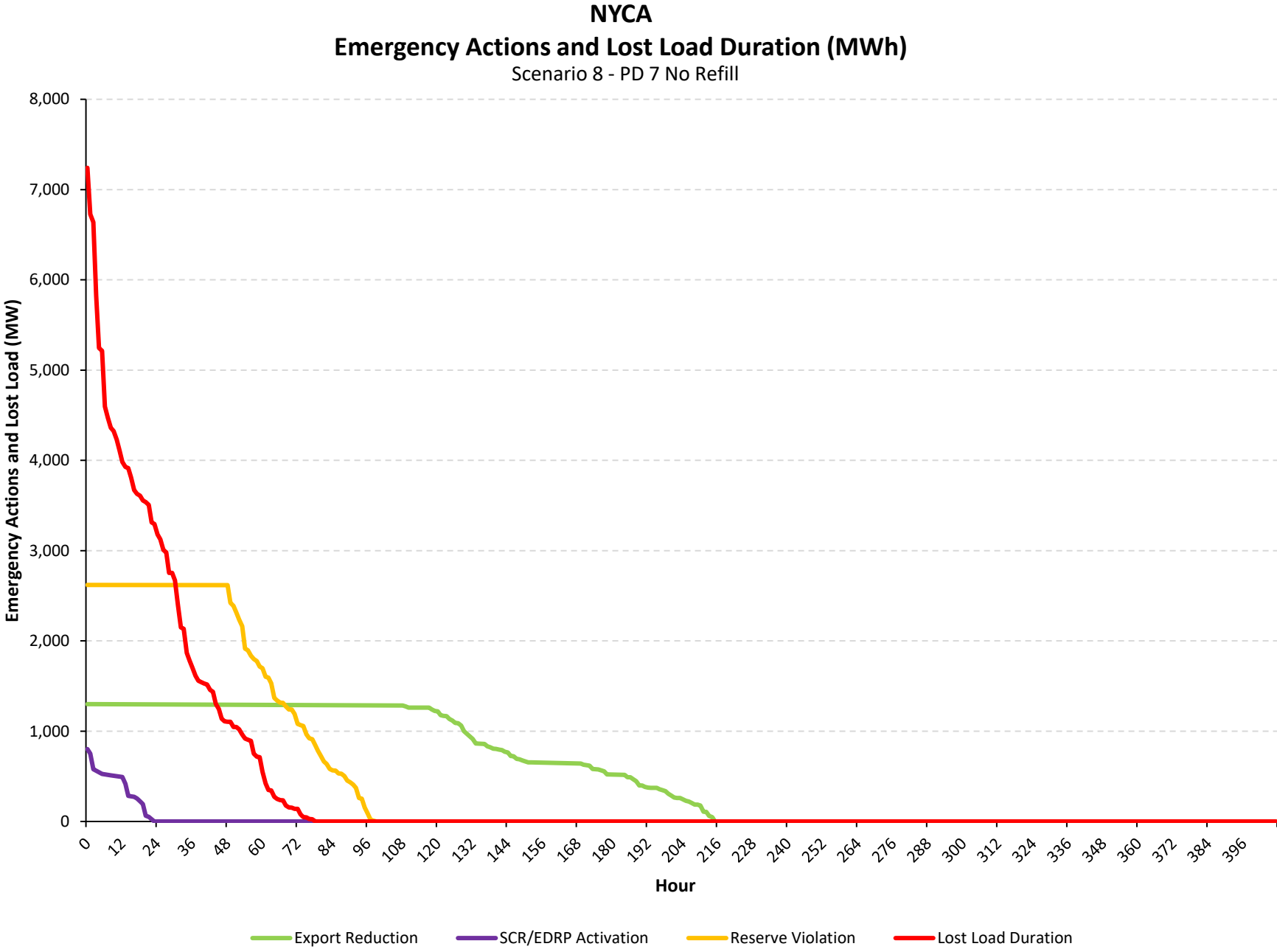


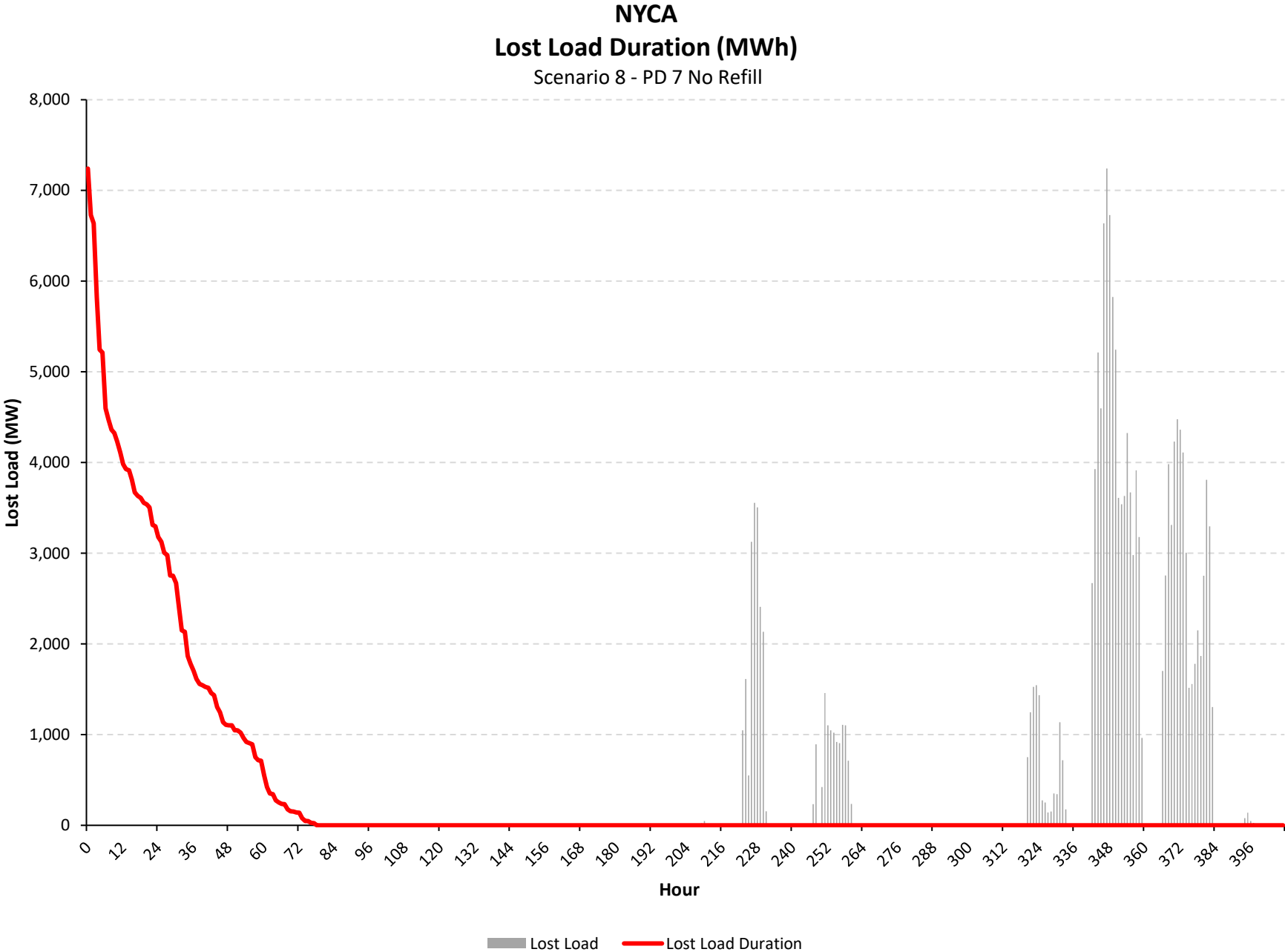
**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 8 - PD 7 No Refill





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



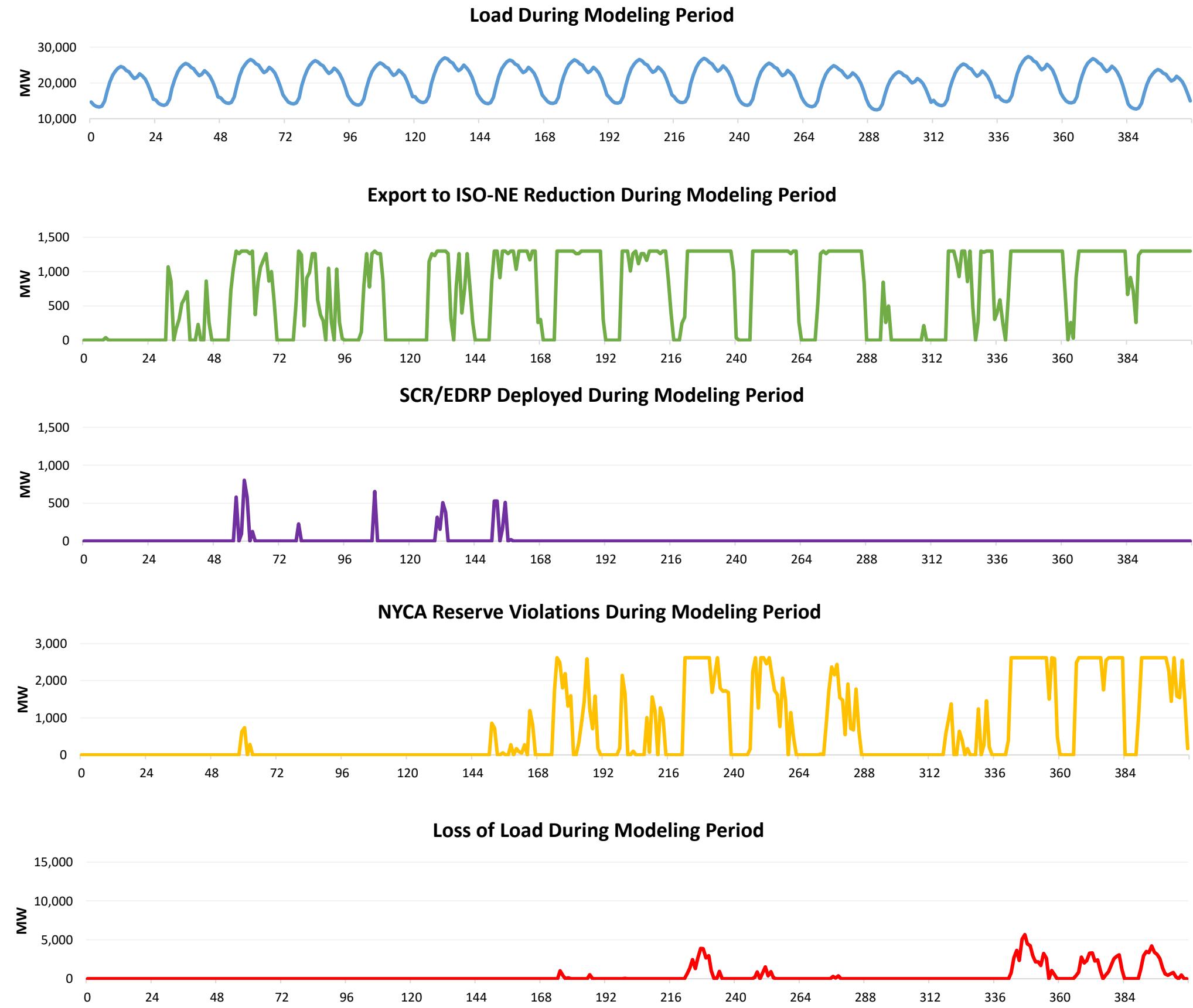


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 8 Non-Firm Gas Unavailable (F-K) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 8 Non-Firm Gas Unavailable (F-K)



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | F-K      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 274     |
| Total MWh         | 296,158 |
| Avg. MW           | 725.9   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 16    |
| Total MWh      | 6,154 |
| Avg. MW        | 15.1  |

| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 152     |
| Total MWh             | 264,069 |
| Avg. MW               | 647.2   |
| First Hour with Viol. | 59      |

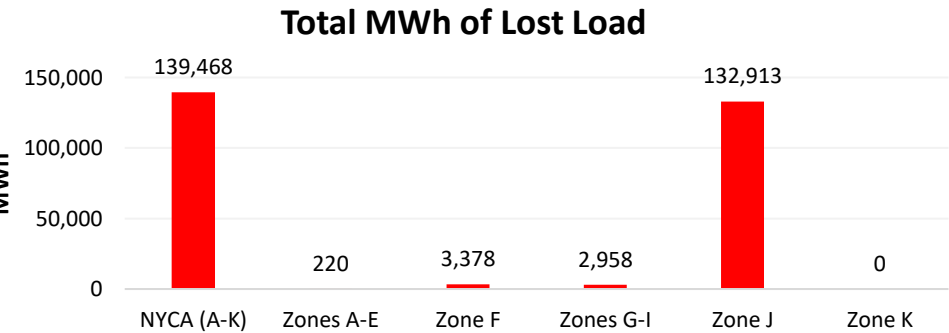
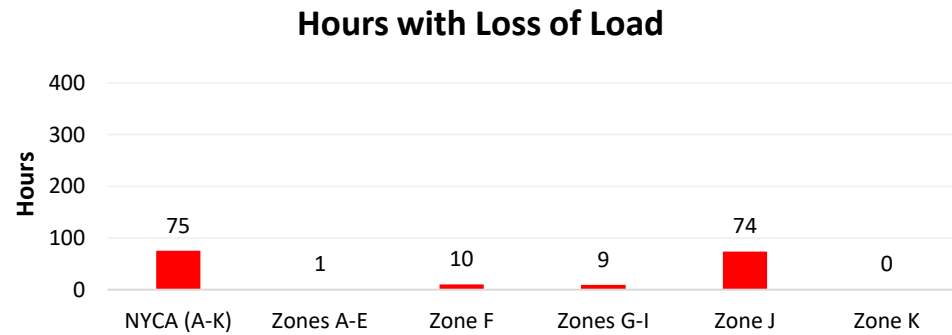
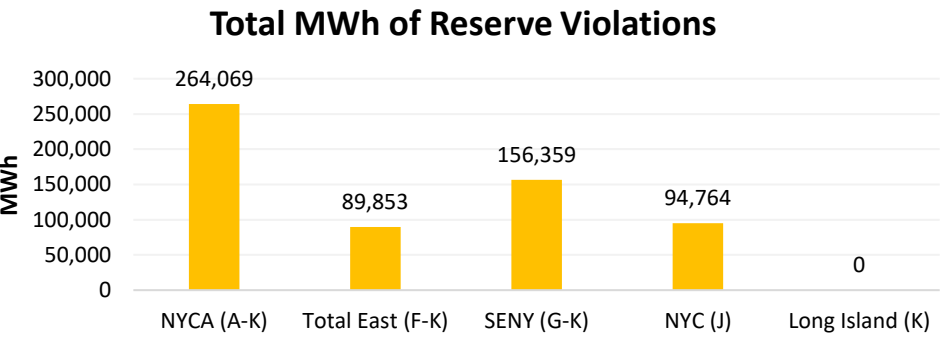
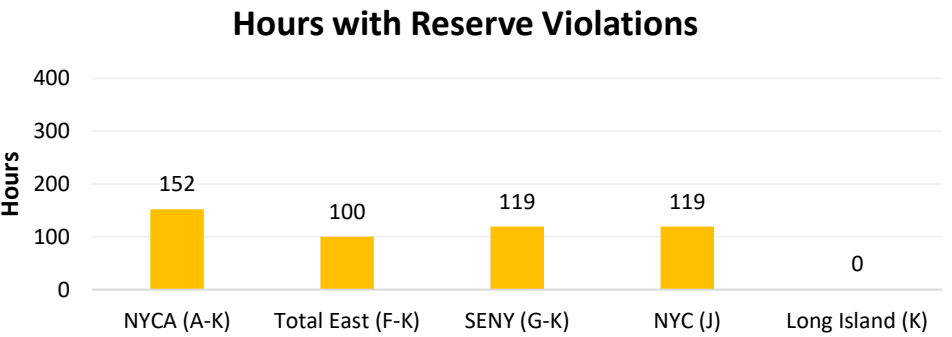
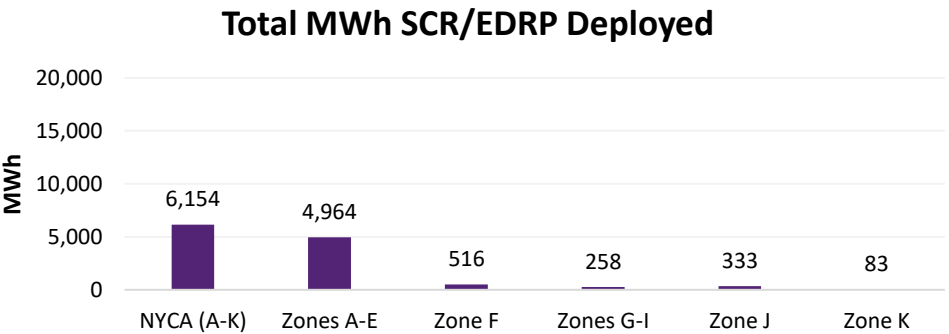
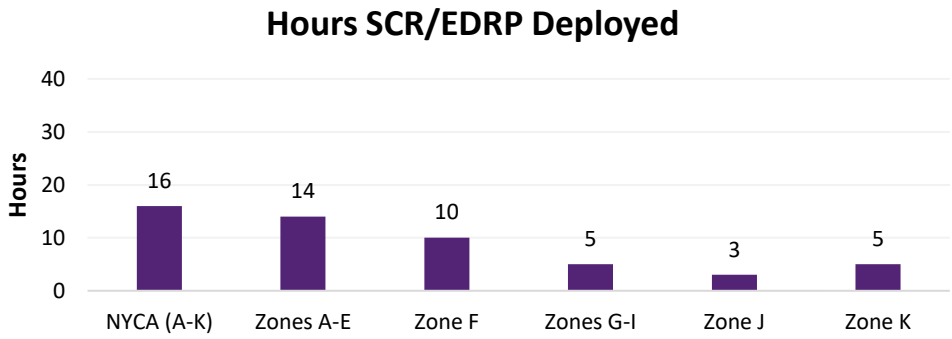
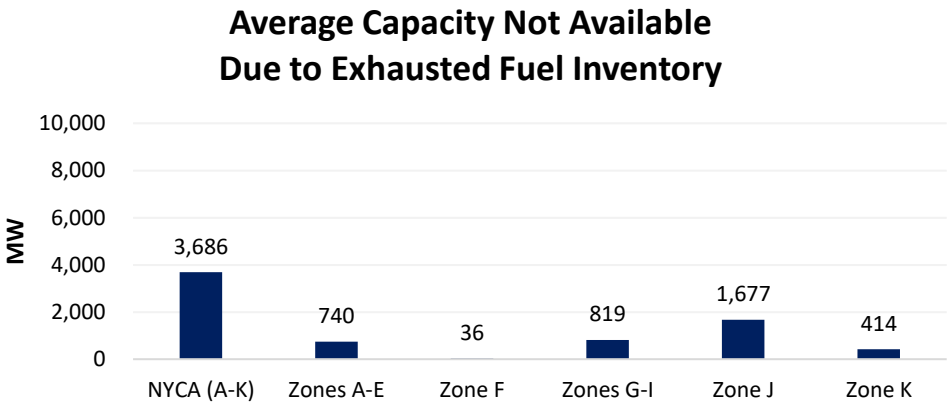
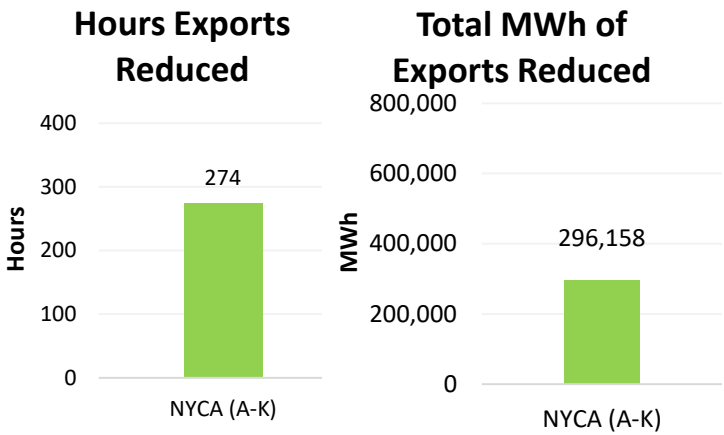
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 75      |
| Total MWh              | 139,468 |
| Avg. MW                | 341.8   |
| First Hour with Losses | 175     |

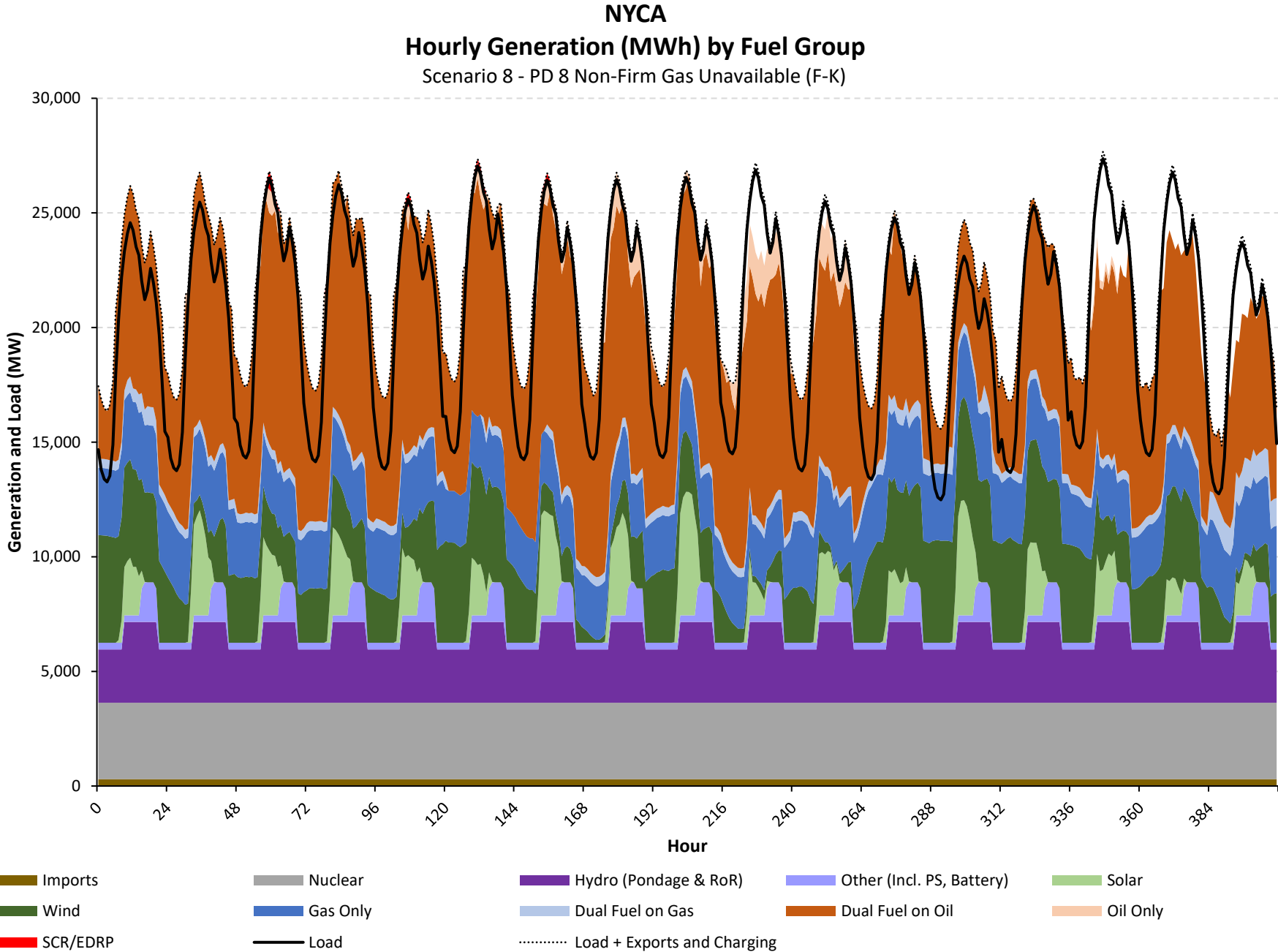


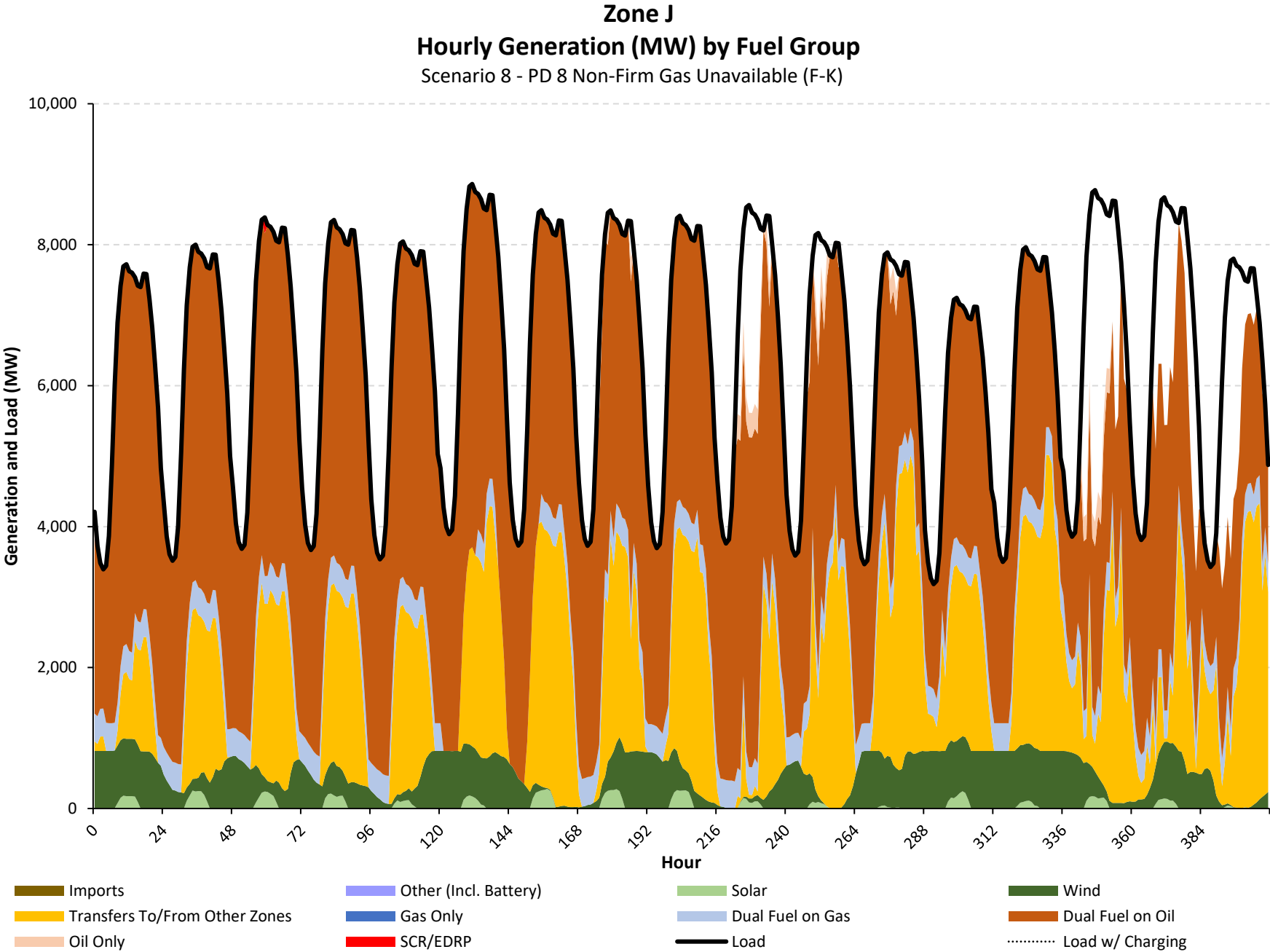
Full Period Results Summary

Case Name: Scenario 8 - PD 8 Non-Firm Gas Unavailable (F-K)

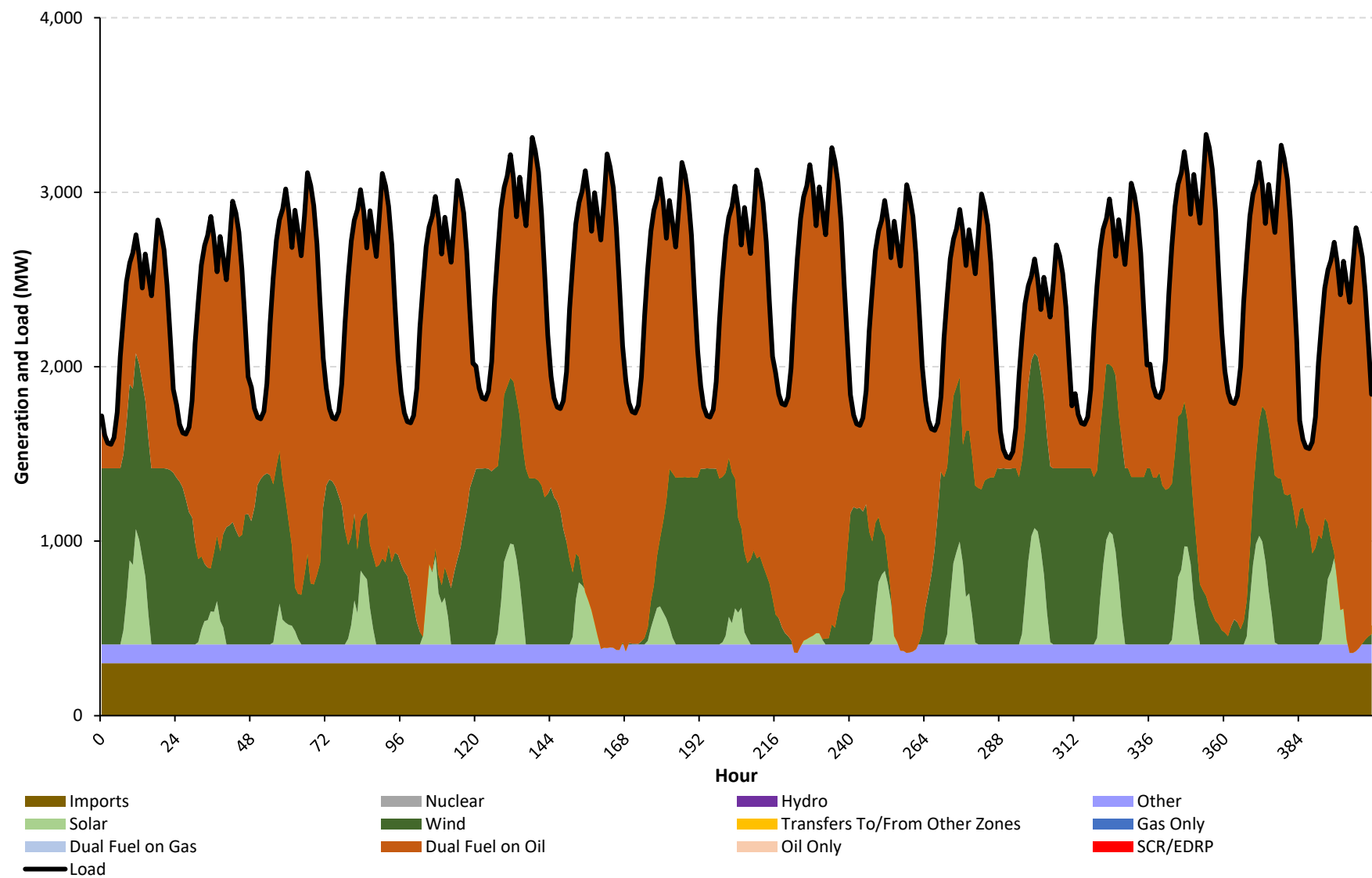
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | F-K      |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

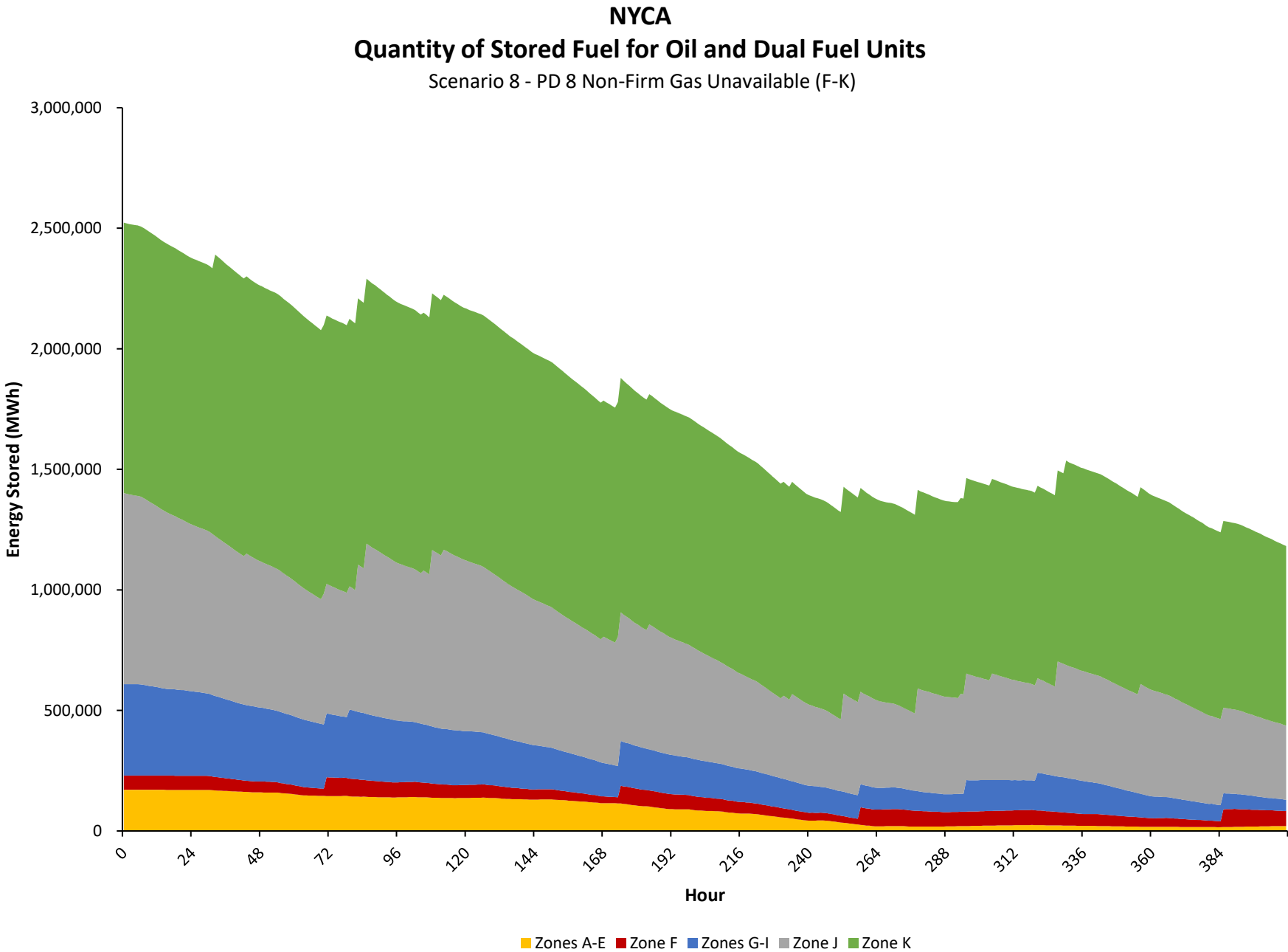


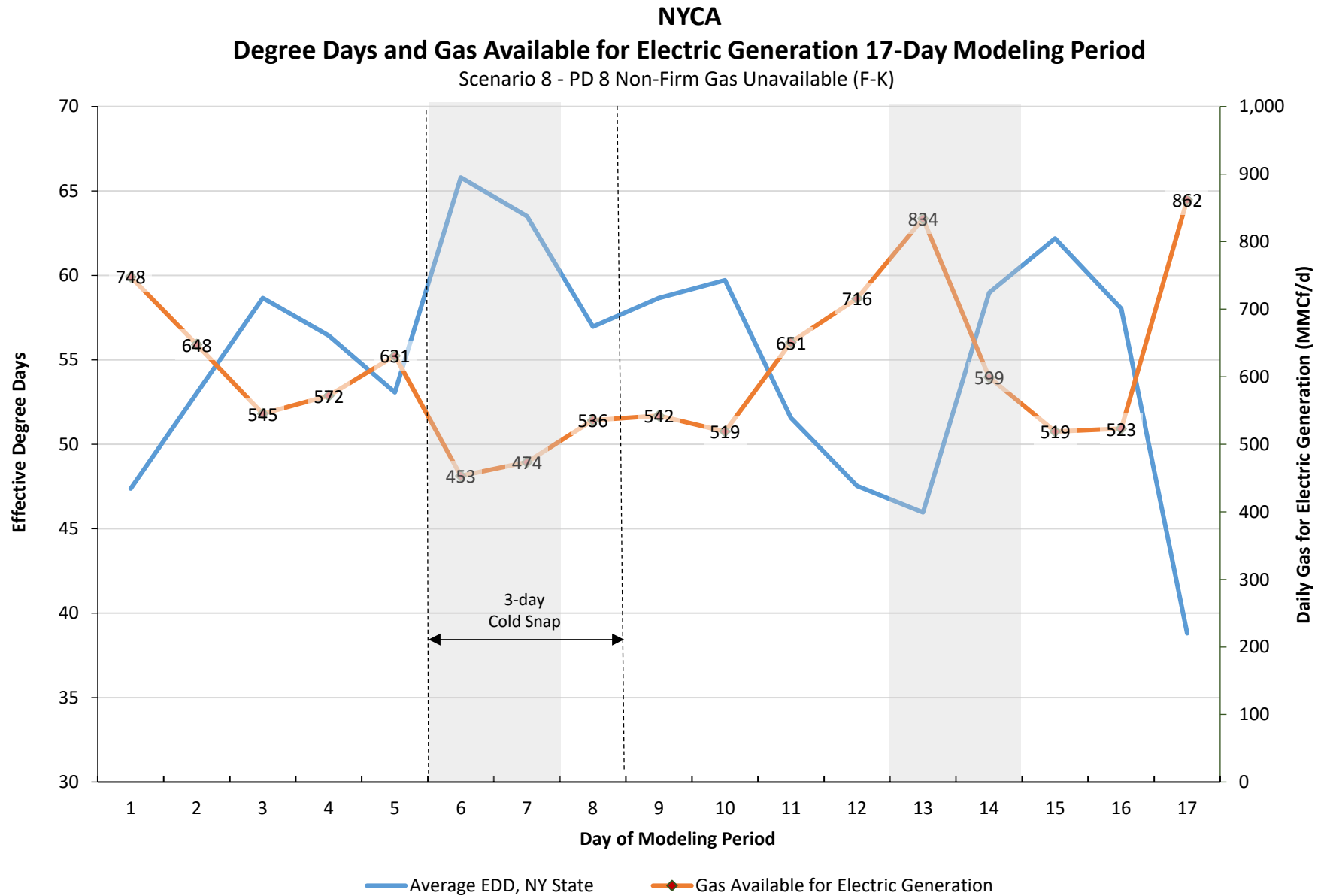




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 8 Non-Firm Gas Unavailable (F-K)



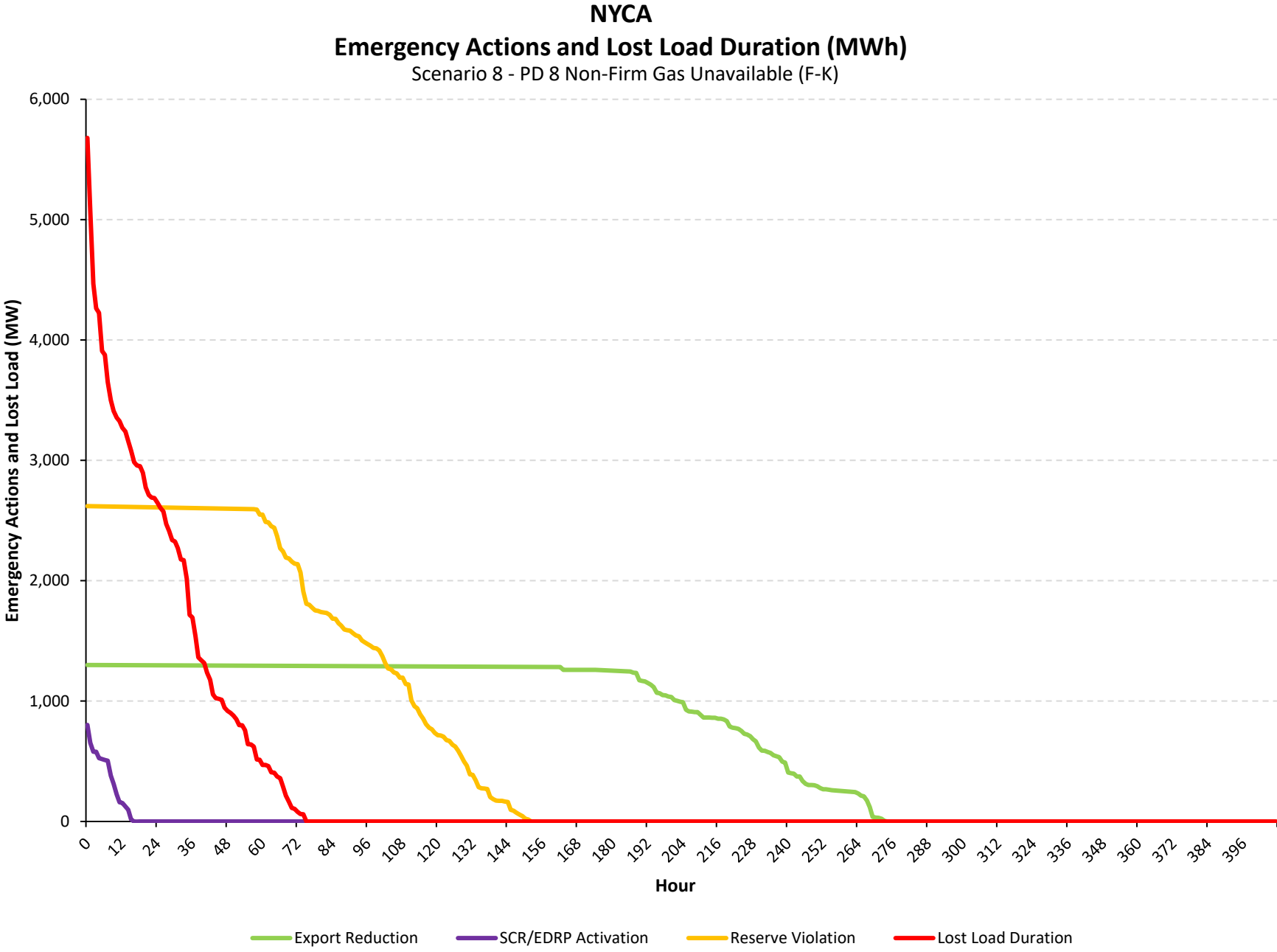


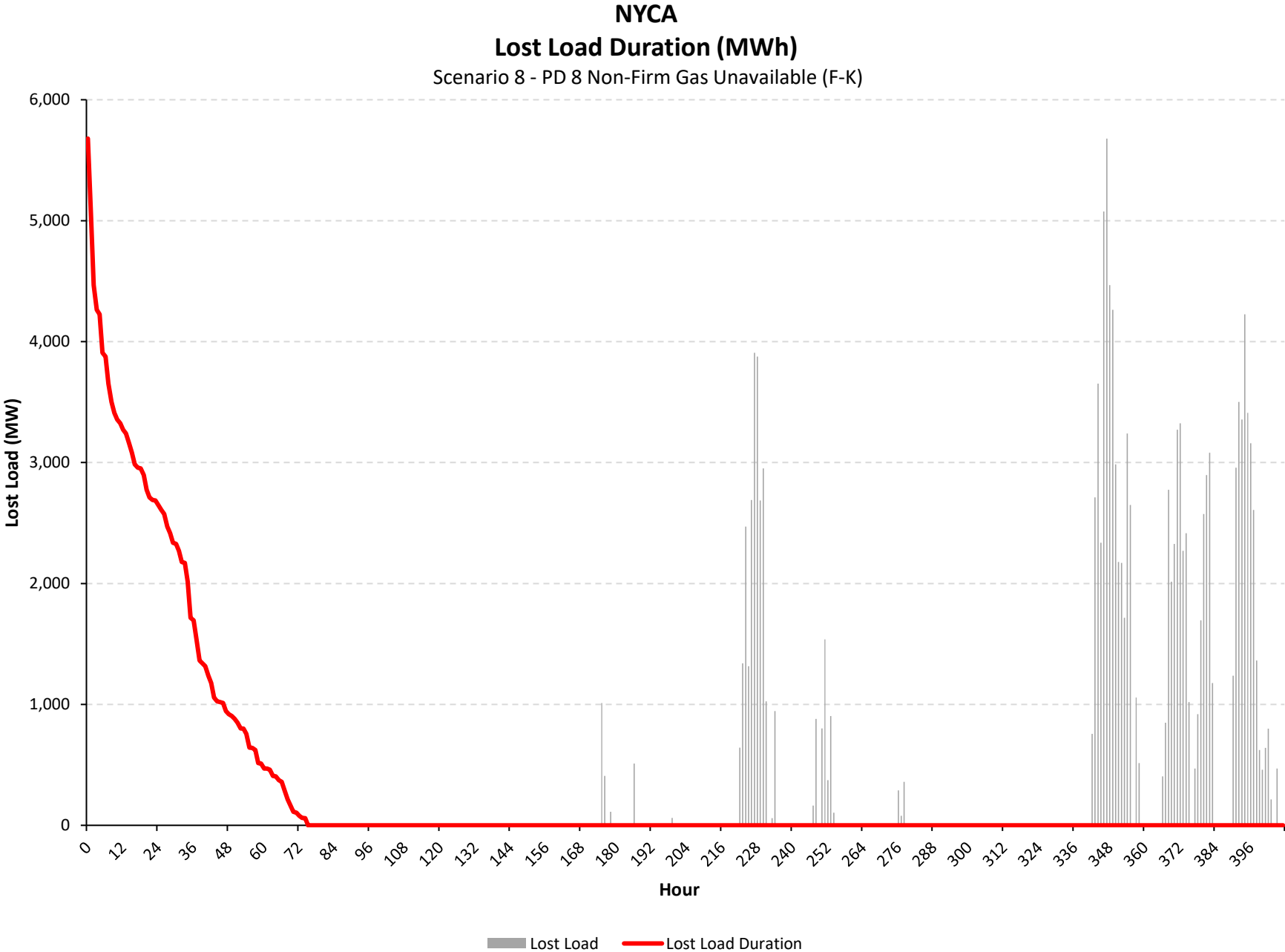


**Notes:**

[1] Weekends are shaded in gray.

[2] Effective degree day is defined as 65 degrees F - Temperature.





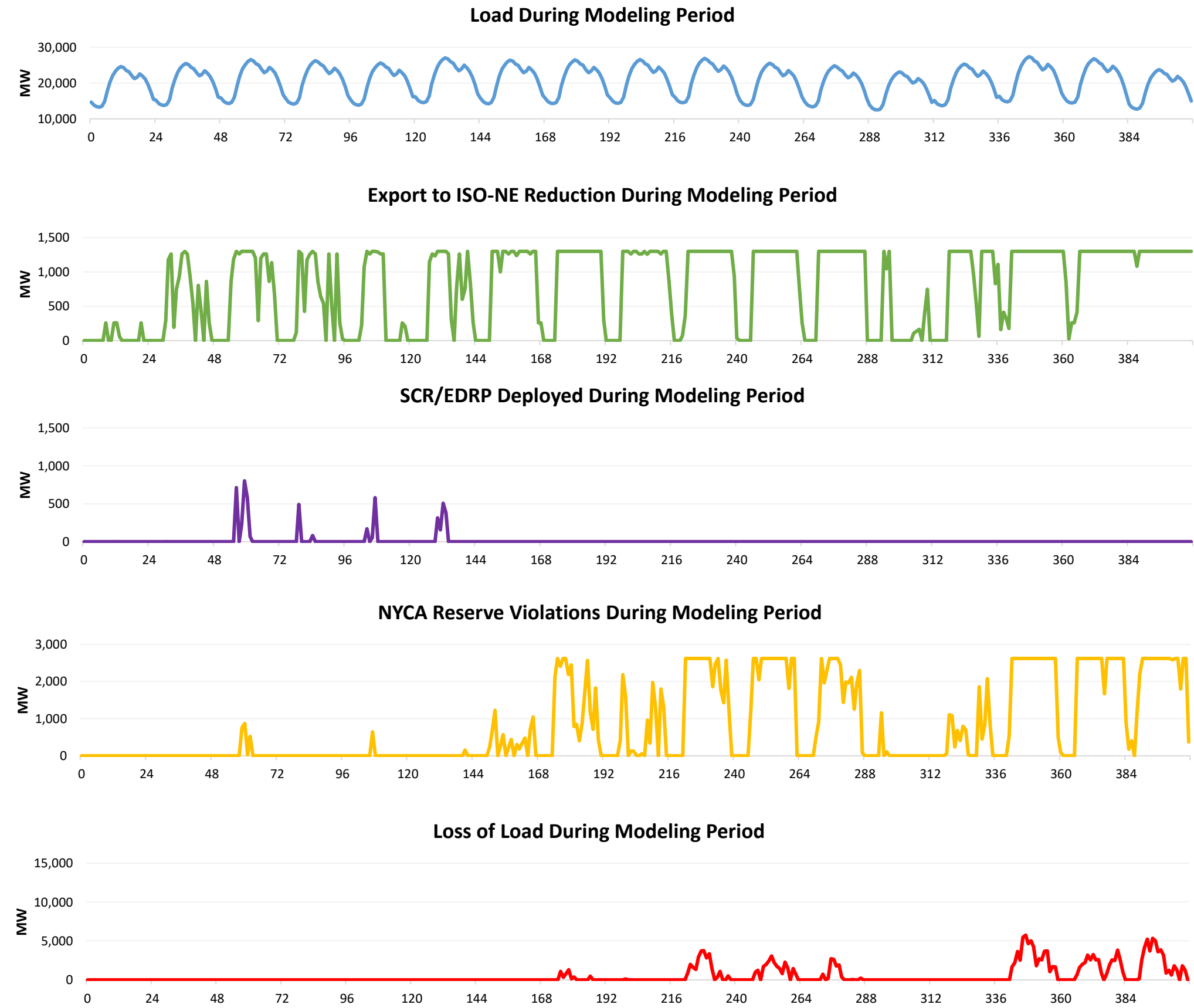


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 9 Non-Firm Gas Unavailable (NYCA) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 9 Non-Firm Gas Unavailable (NYCA)



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORD) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | NYISO    |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 292     |
| Total MWh         | 320,617 |
| Avg. MW           | 785.8   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 14    |
| Total MWh      | 5,125 |
| Avg. MW        | 12.6  |

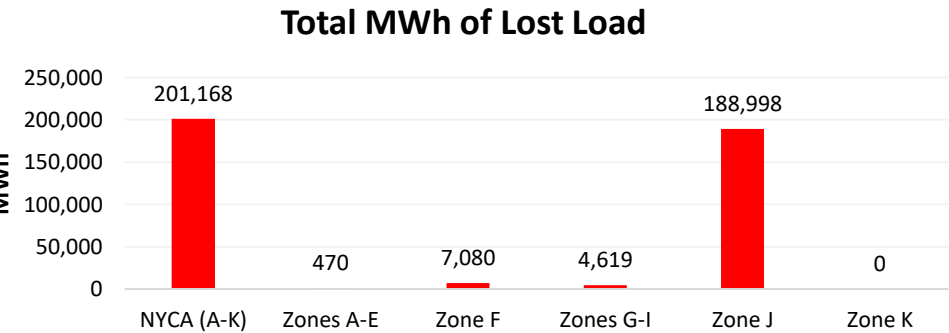
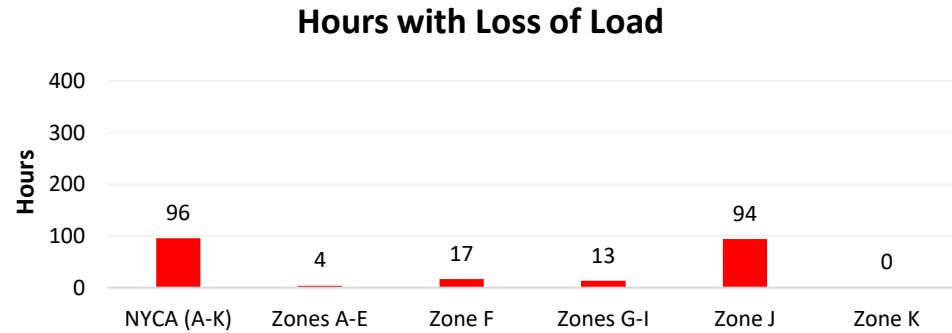
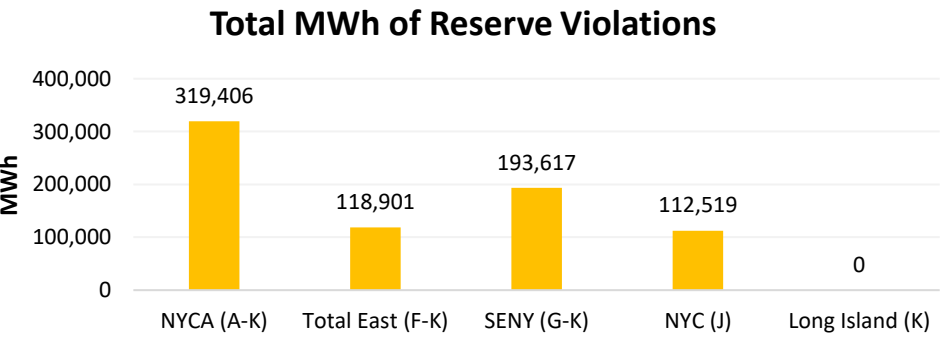
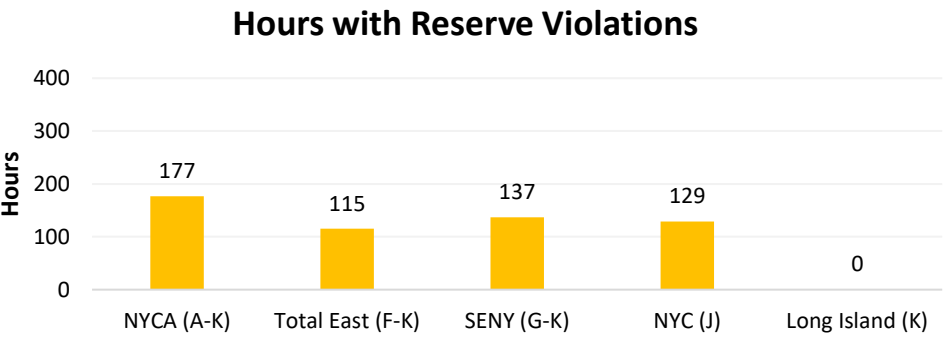
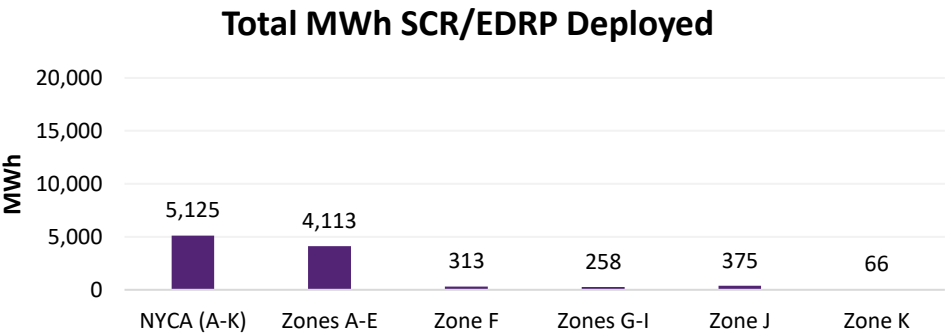
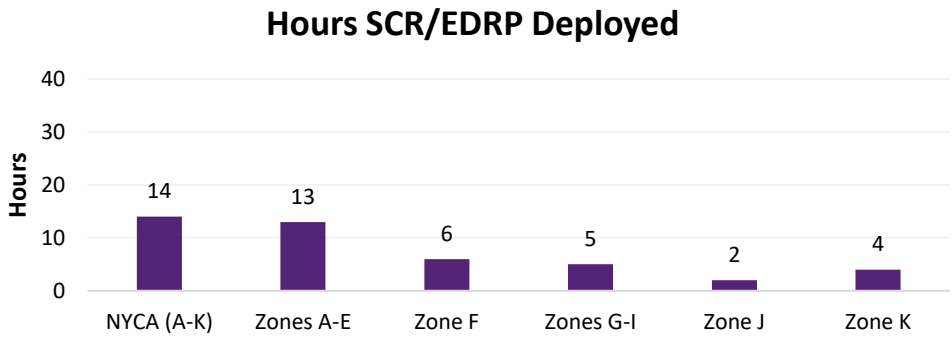
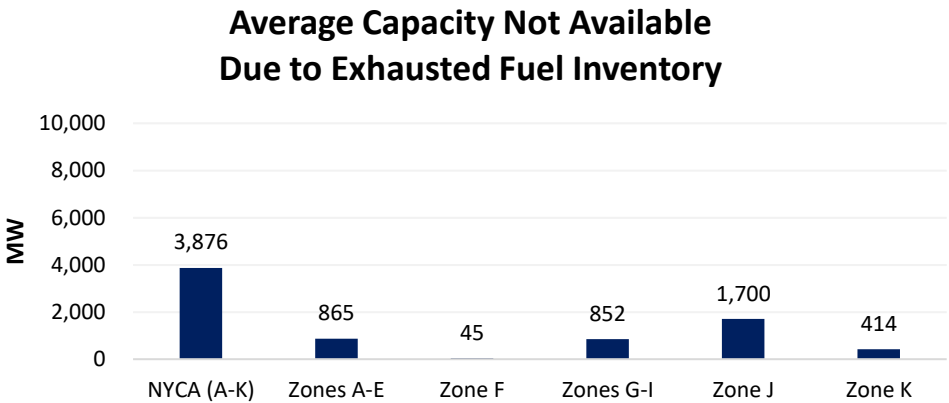
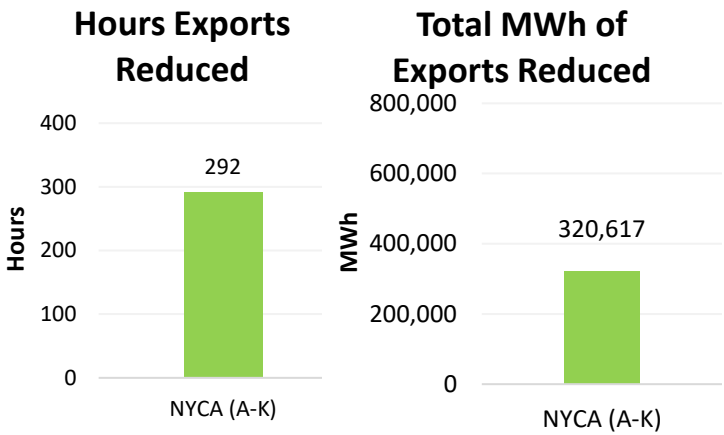
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 177     |
| Total MWh             | 319,406 |
| Avg. MW               | 782.9   |
| First Hour with Viol. | 59      |

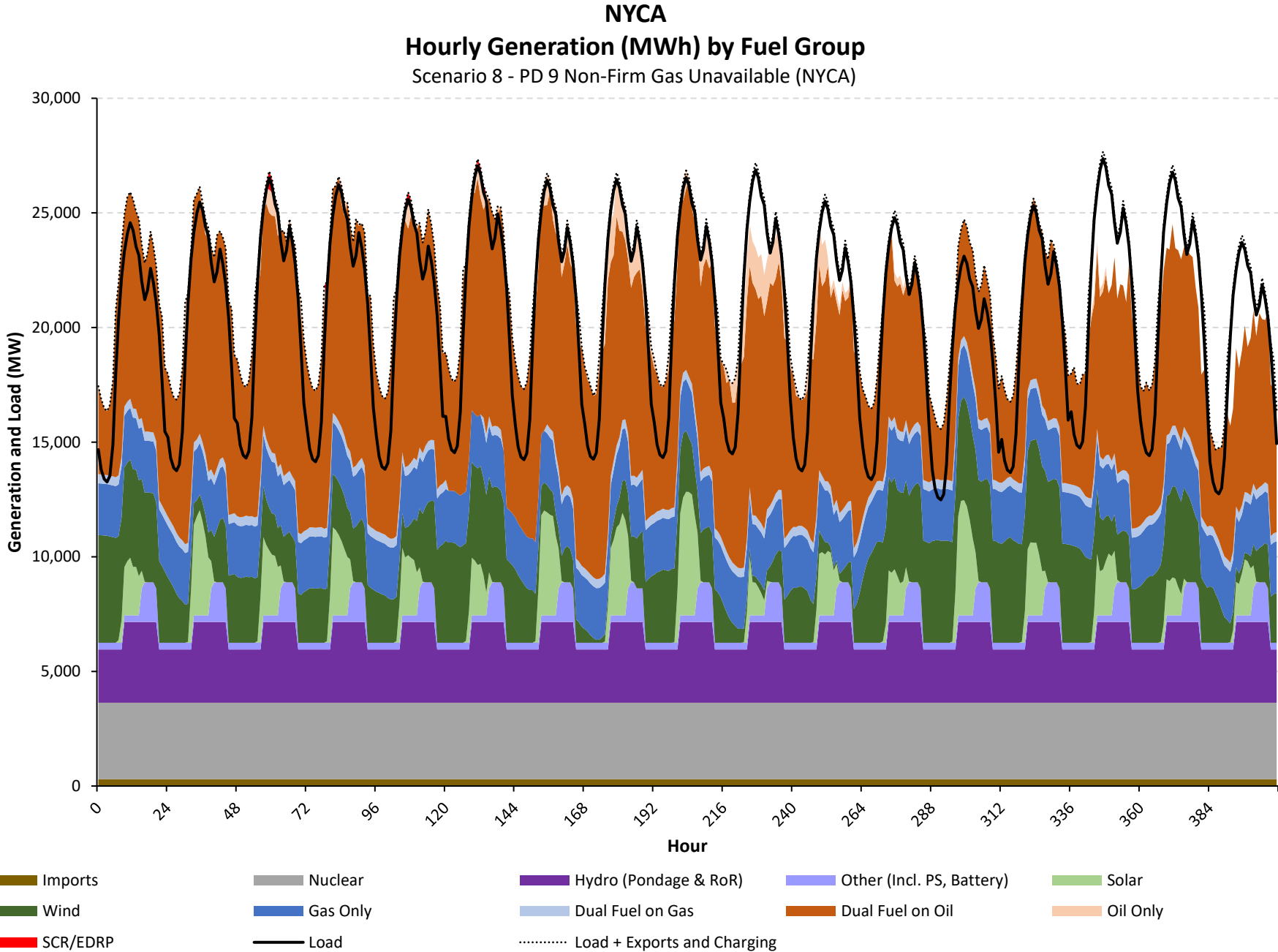
| Loss of Load           |         |
|------------------------|---------|
| Total Hrs.             | 96      |
| Total MWh              | 201,168 |
| Avg. MW                | 493.1   |
| First Hour with Losses | 174     |

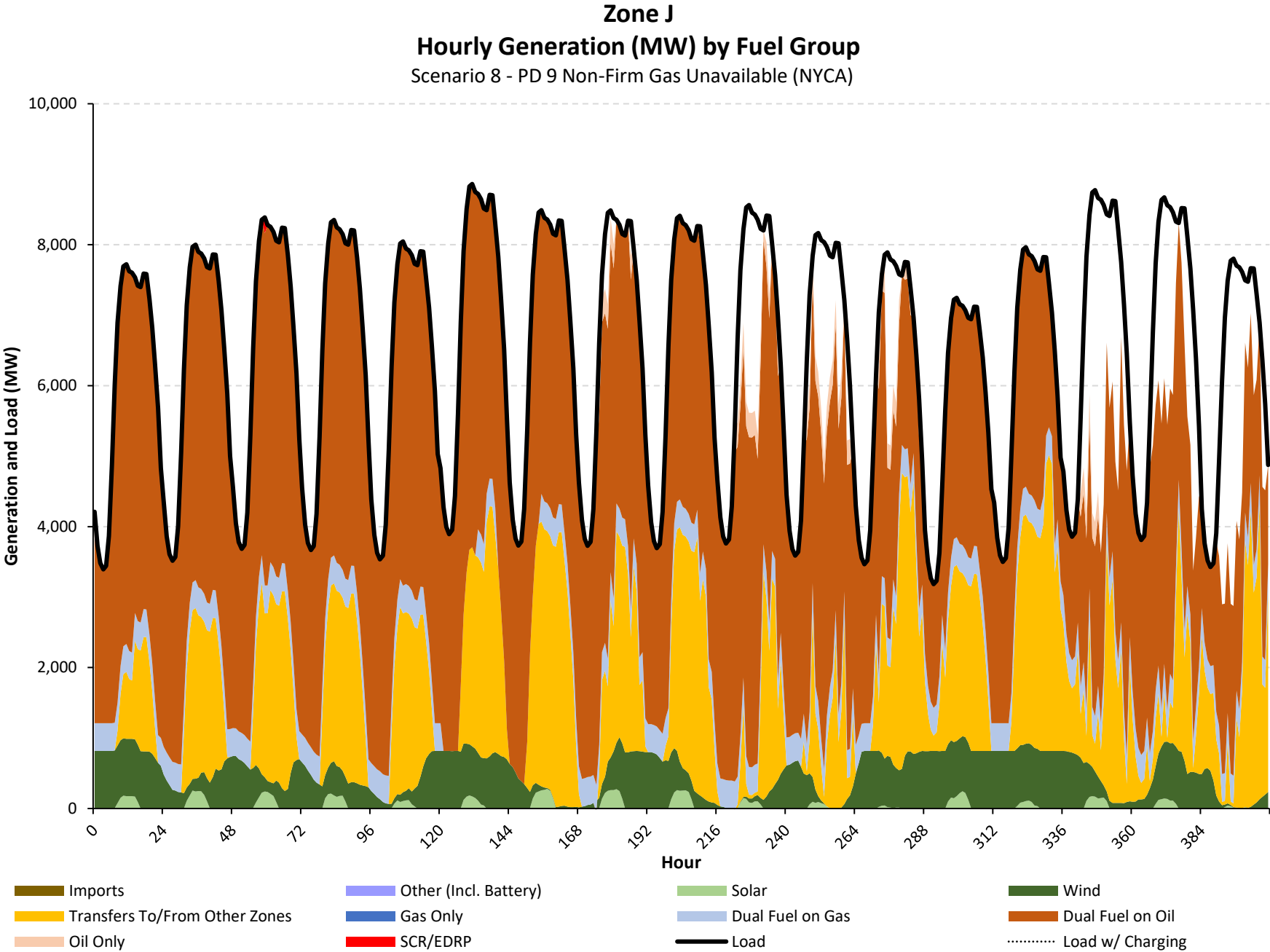
Full Period Results Summary

Case Name: Scenario 8 - PD 9 Non-Firm Gas Unavailable (NYCA)

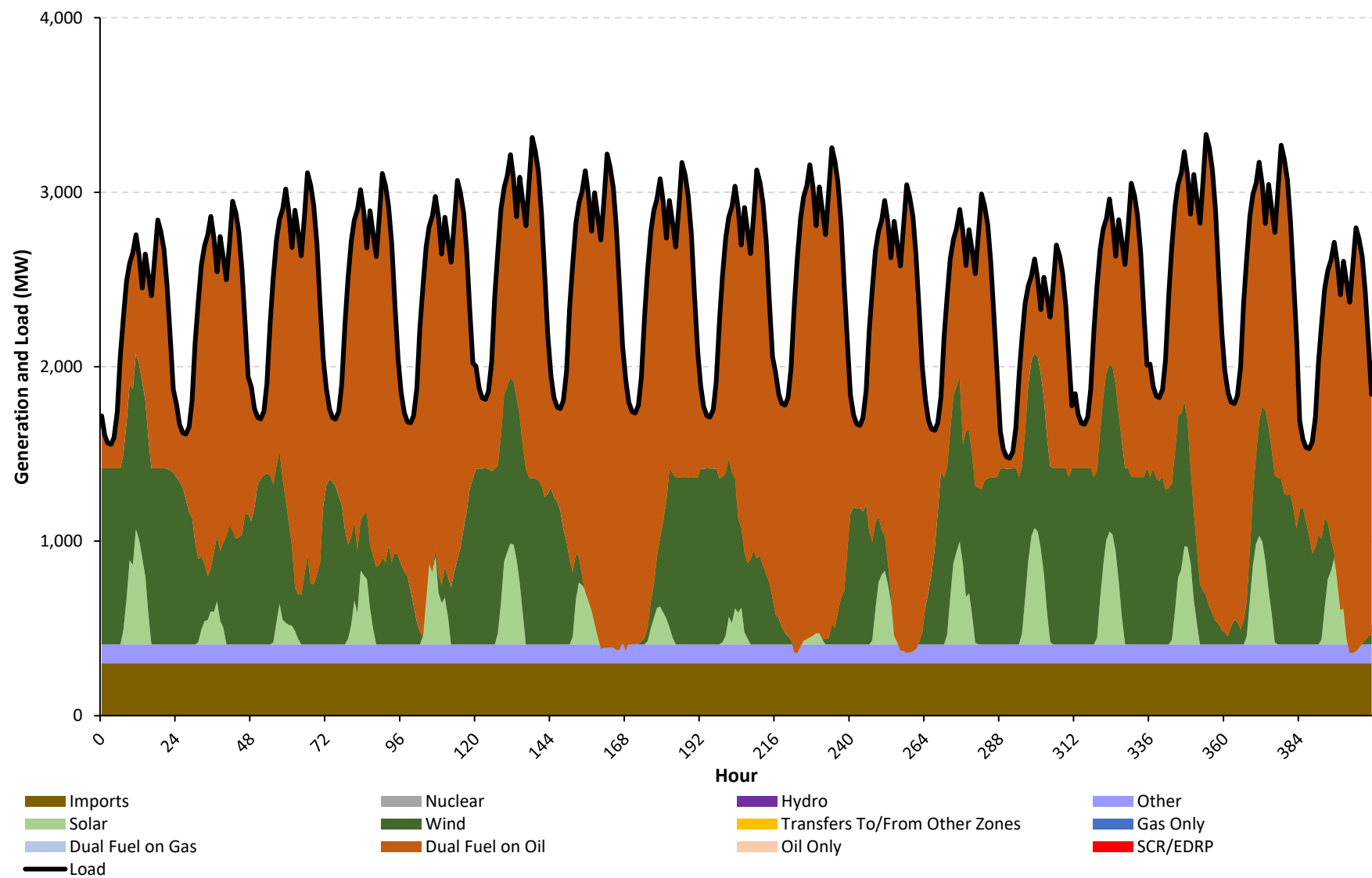
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | NYISO    |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

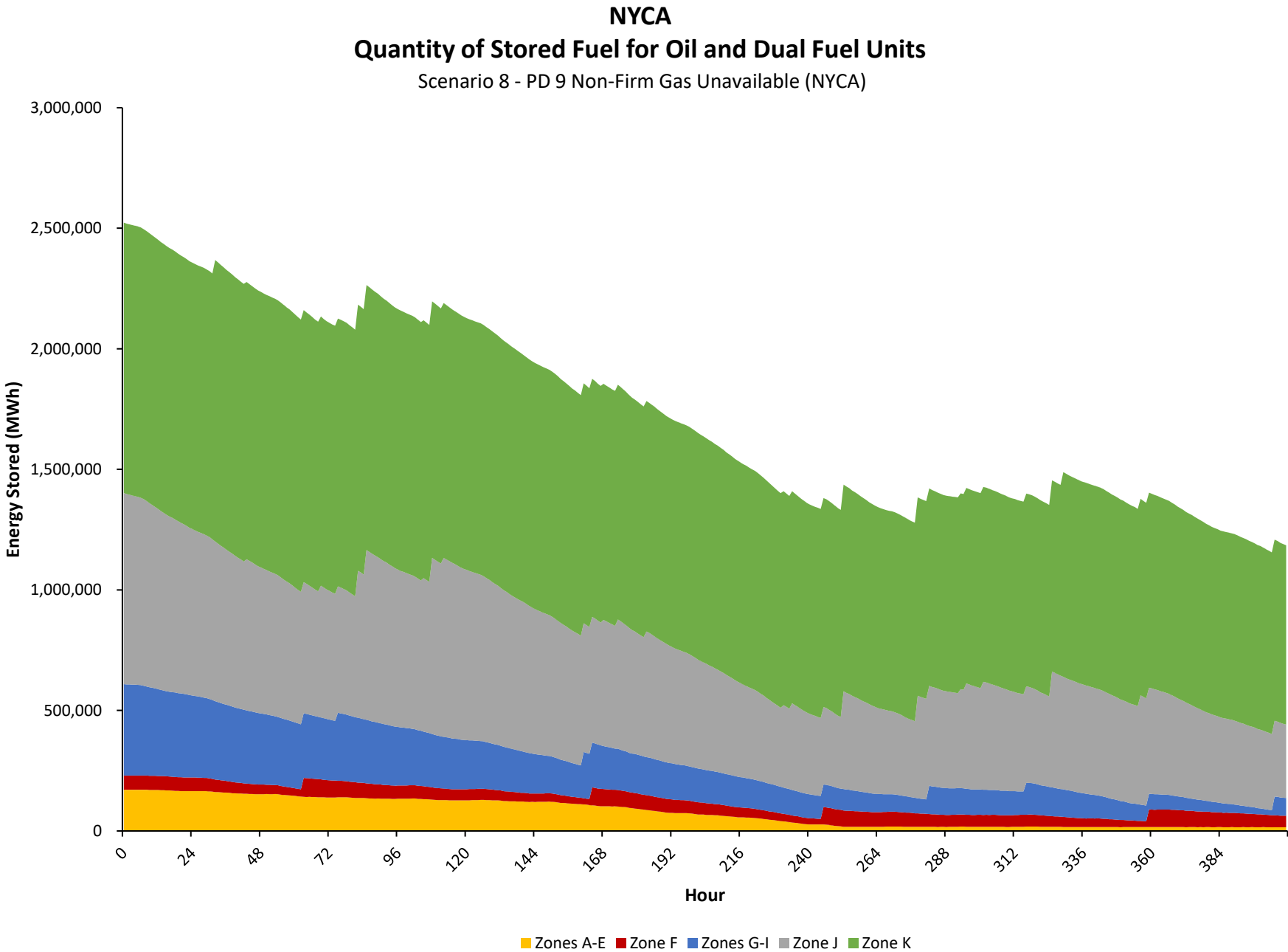


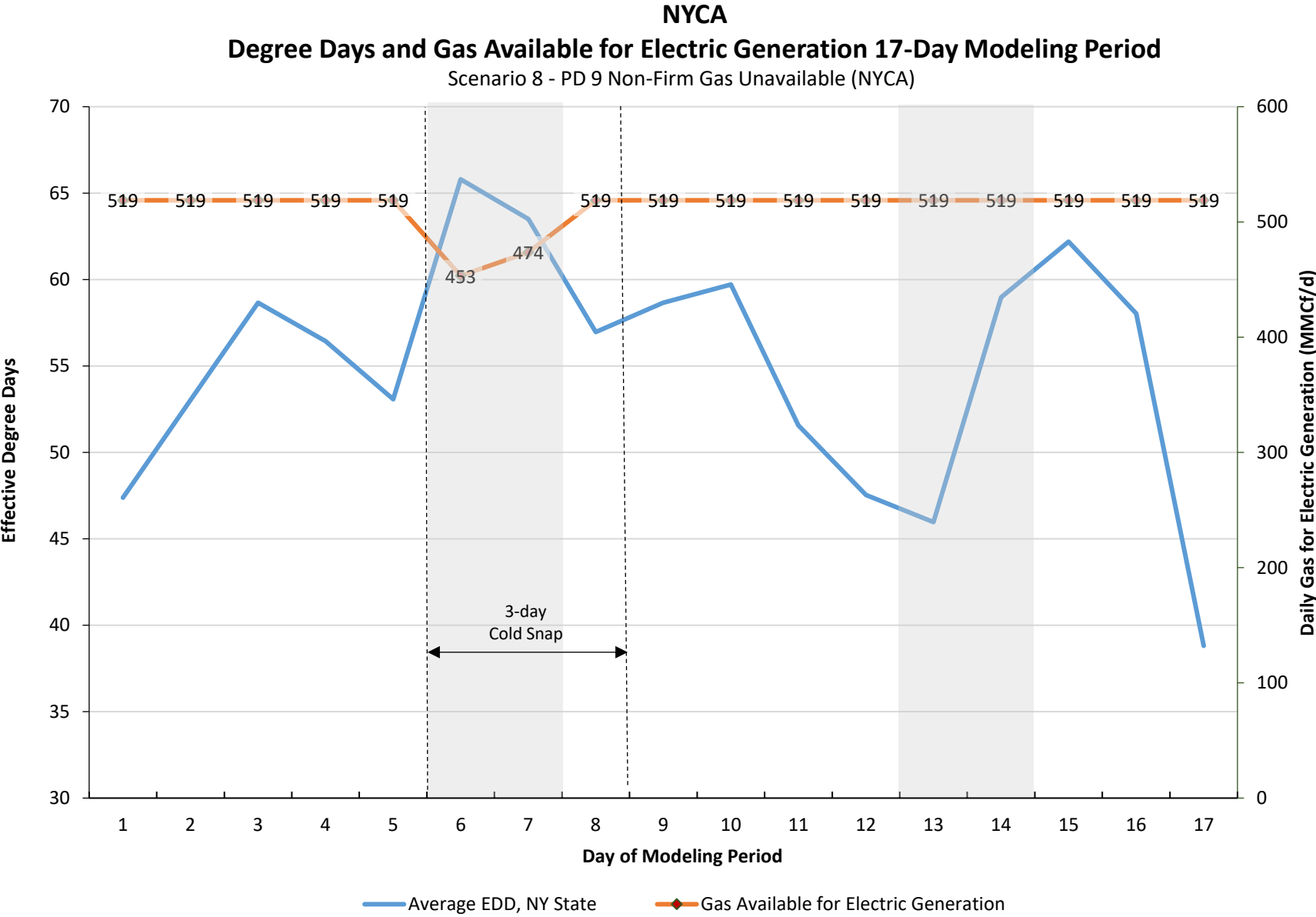




**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 9 Non-Firm Gas Unavailable (NYCA)

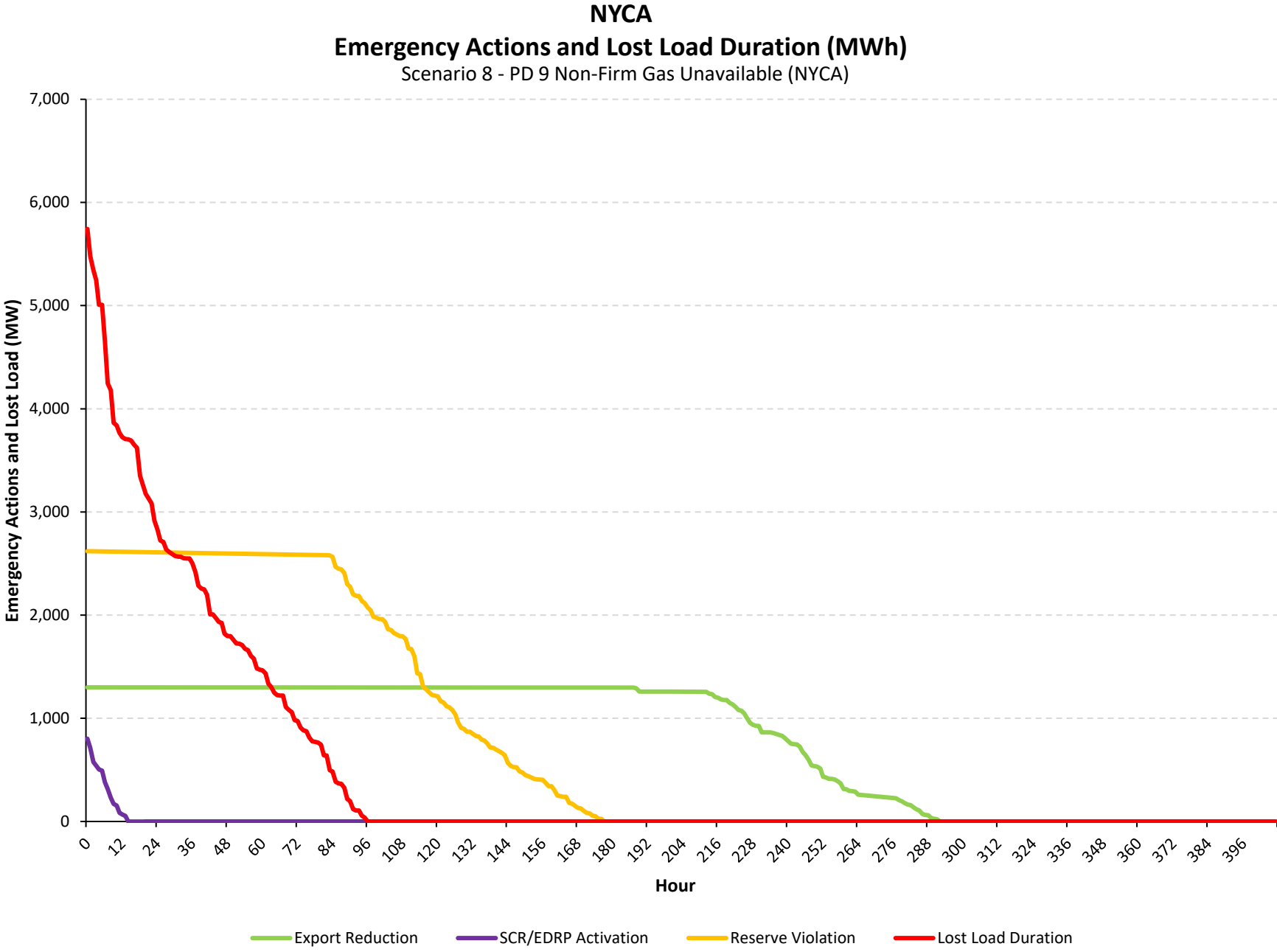


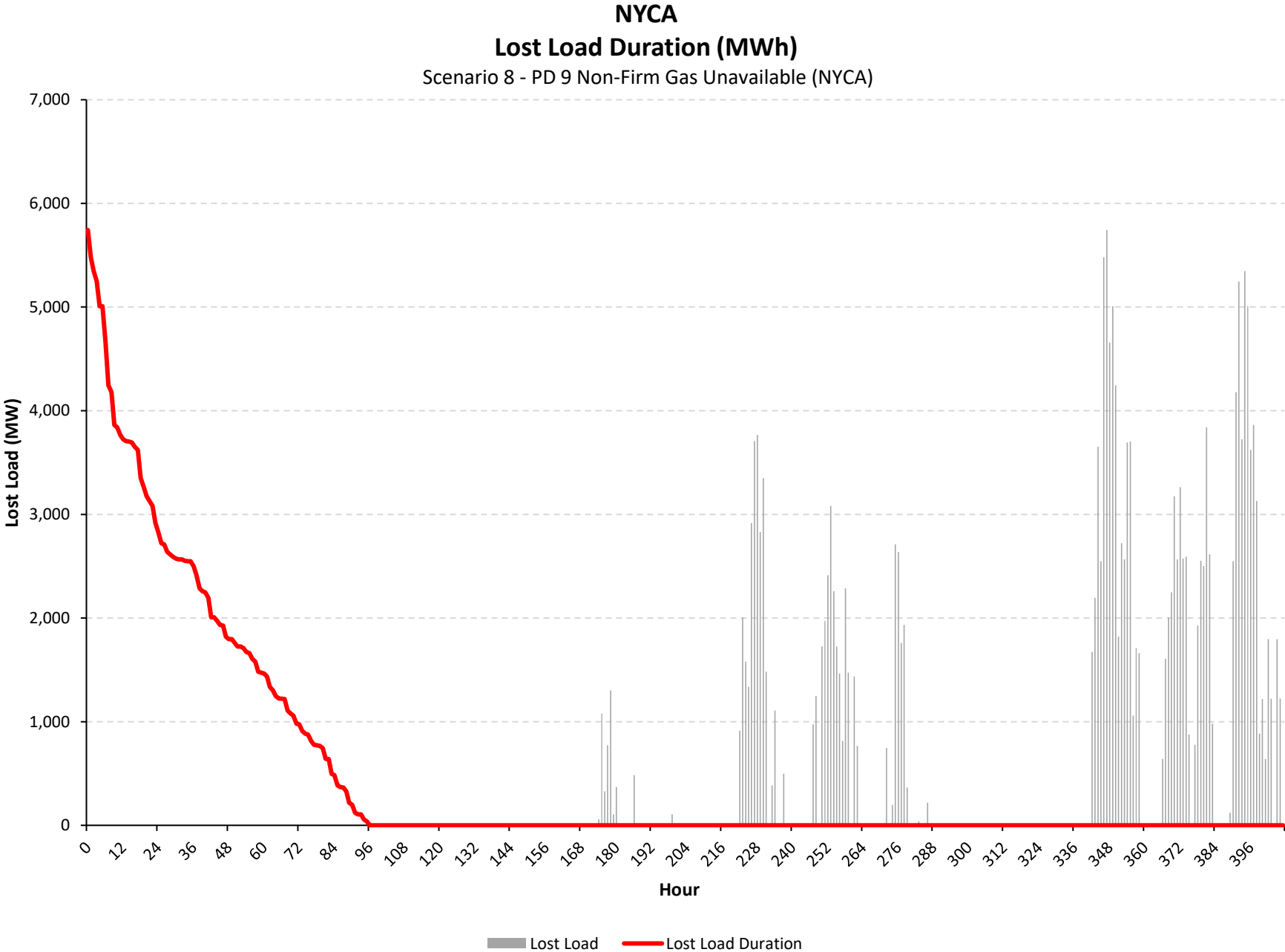




**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.





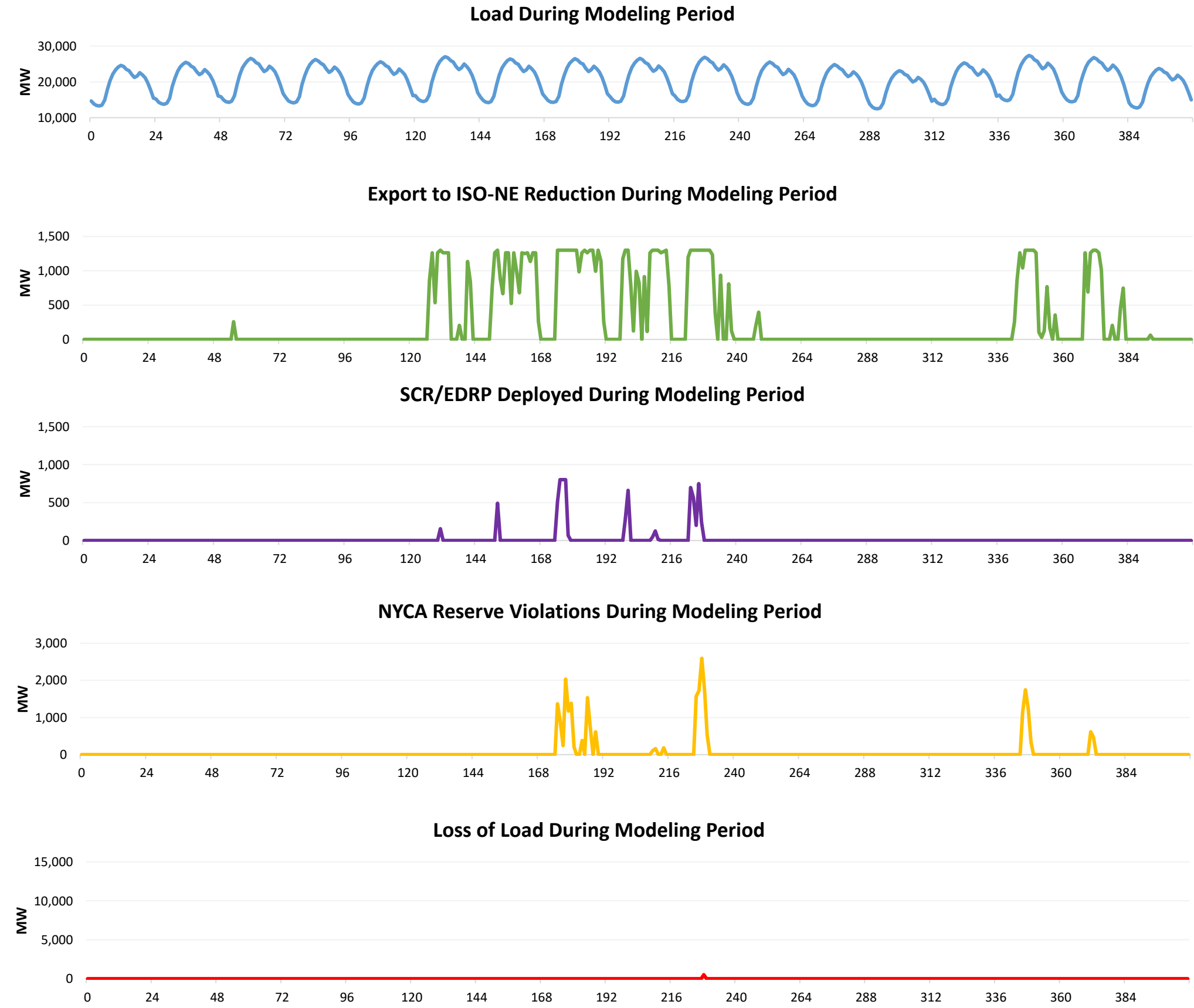


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 10 Non-Firm Gas Unavailable (4 days) (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 10 Non-Firm Gas Unavailable (4 days)



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORD) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | 3-4 days |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 107     |
| Total MWh         | 105,411 |
| Avg. MW           | 258.4   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 17    |
| Total MWh      | 7,213 |
| Avg. MW        | 17.7  |

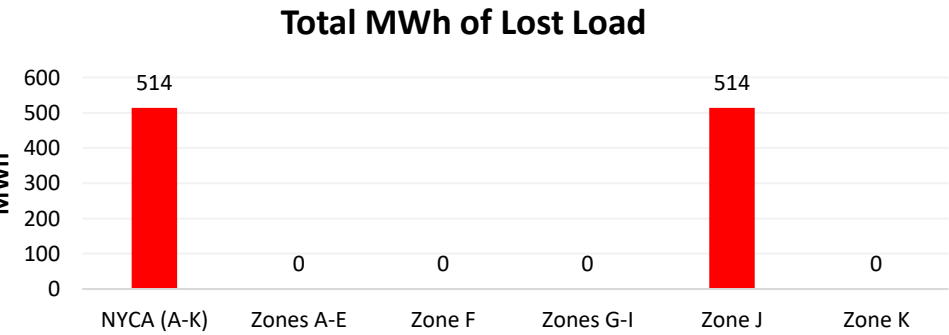
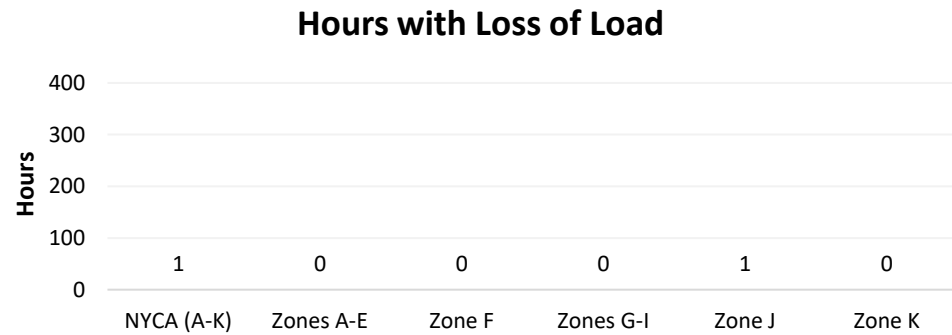
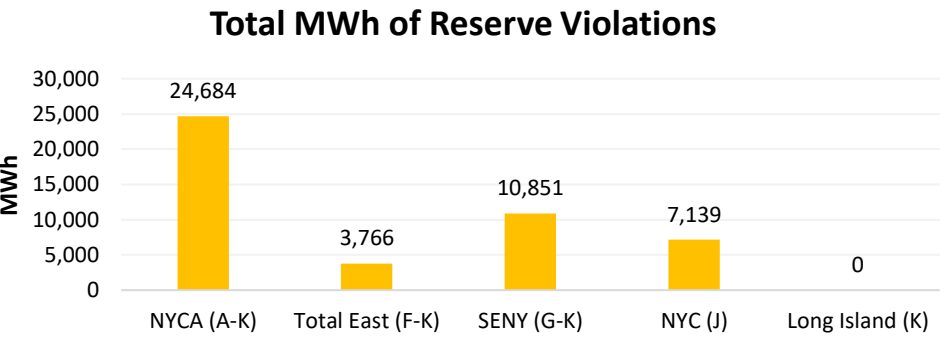
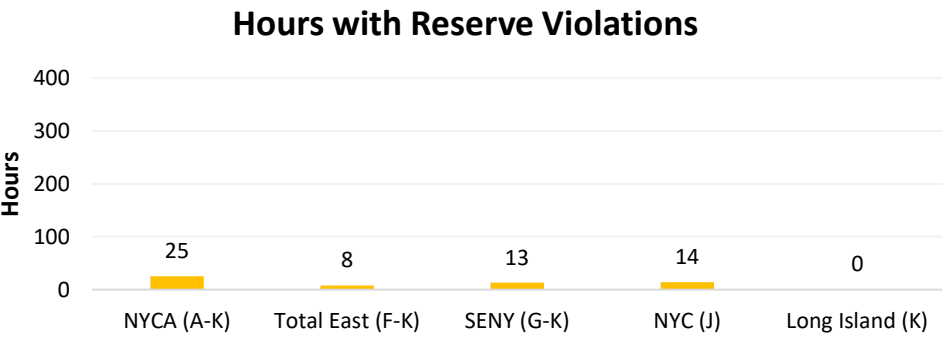
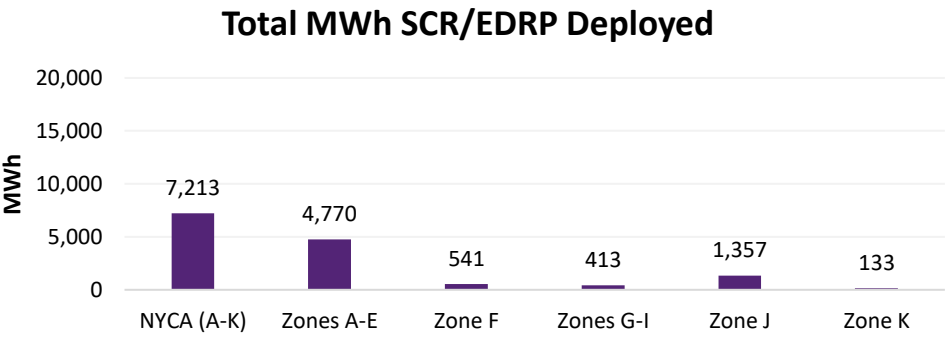
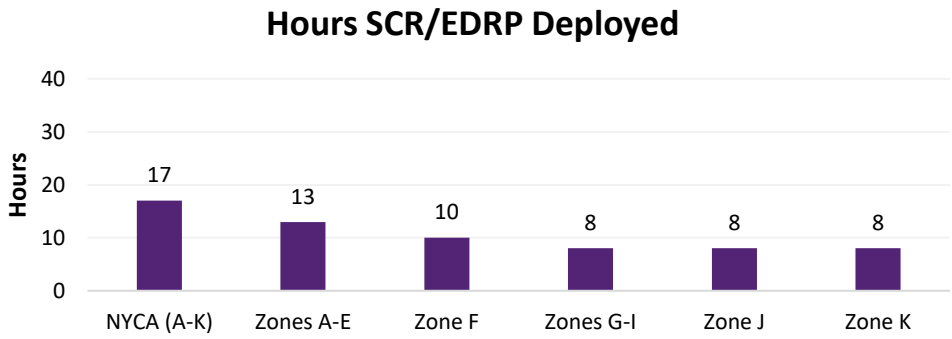
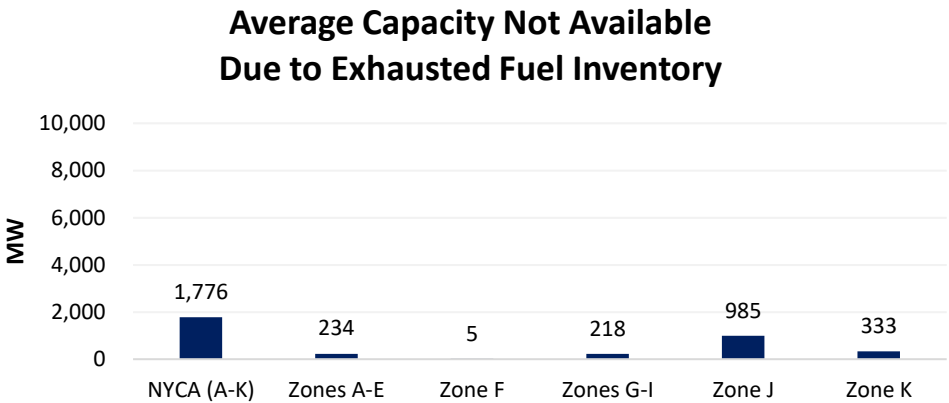
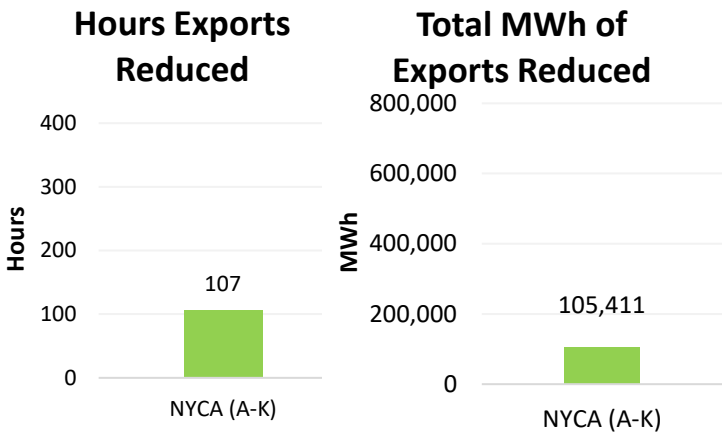
| Reserve Violations    |        |
|-----------------------|--------|
| Total Hrs.            | 25     |
| Total MWh             | 24,684 |
| Avg. MW               | 60.5   |
| First Hour with Viol. | 174    |

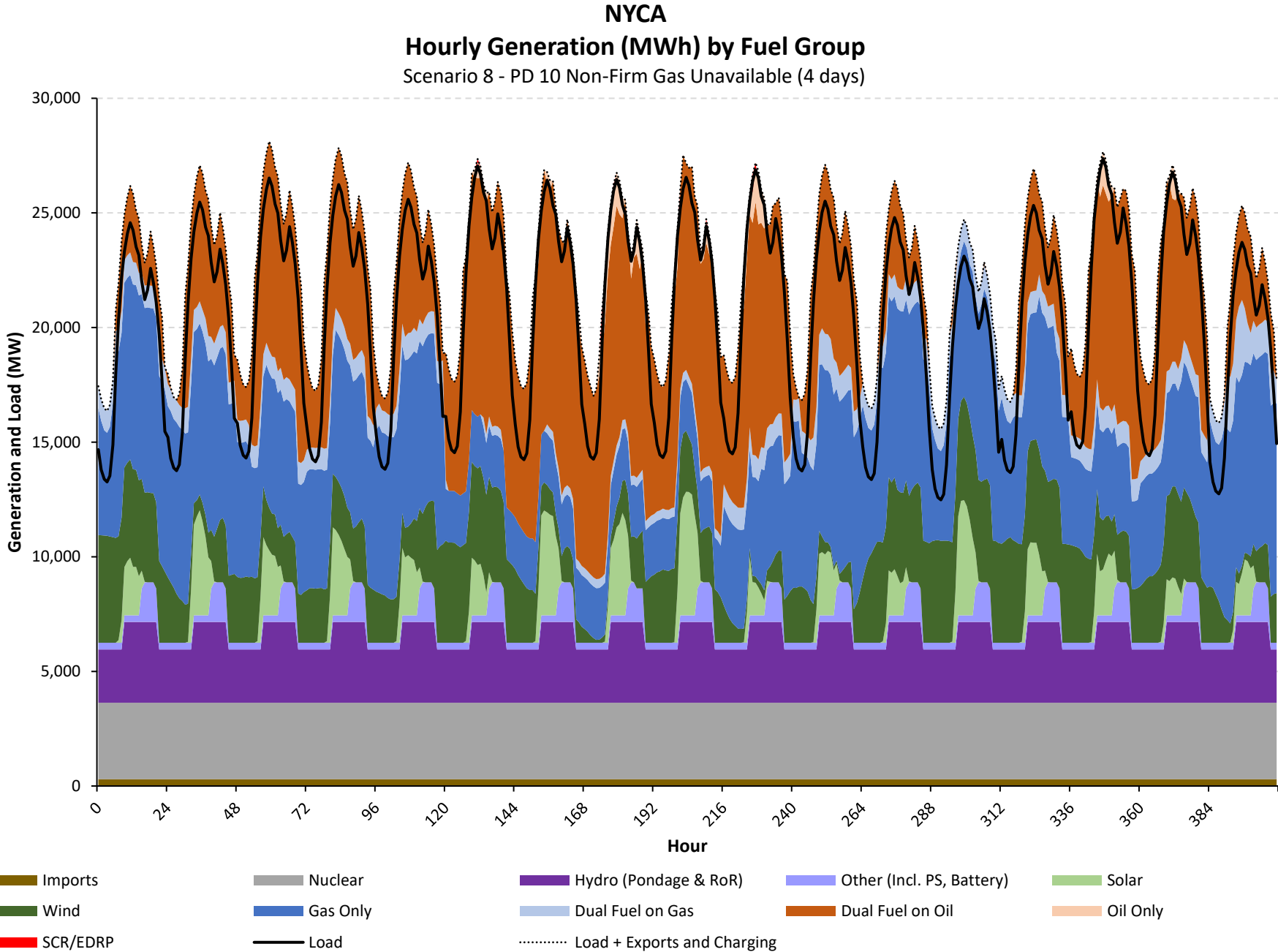
| Loss of Load           |     |
|------------------------|-----|
| Total Hrs.             | 1   |
| Total MWh              | 514 |
| Avg. MW                | 1.3 |
| First Hour with Losses | 228 |

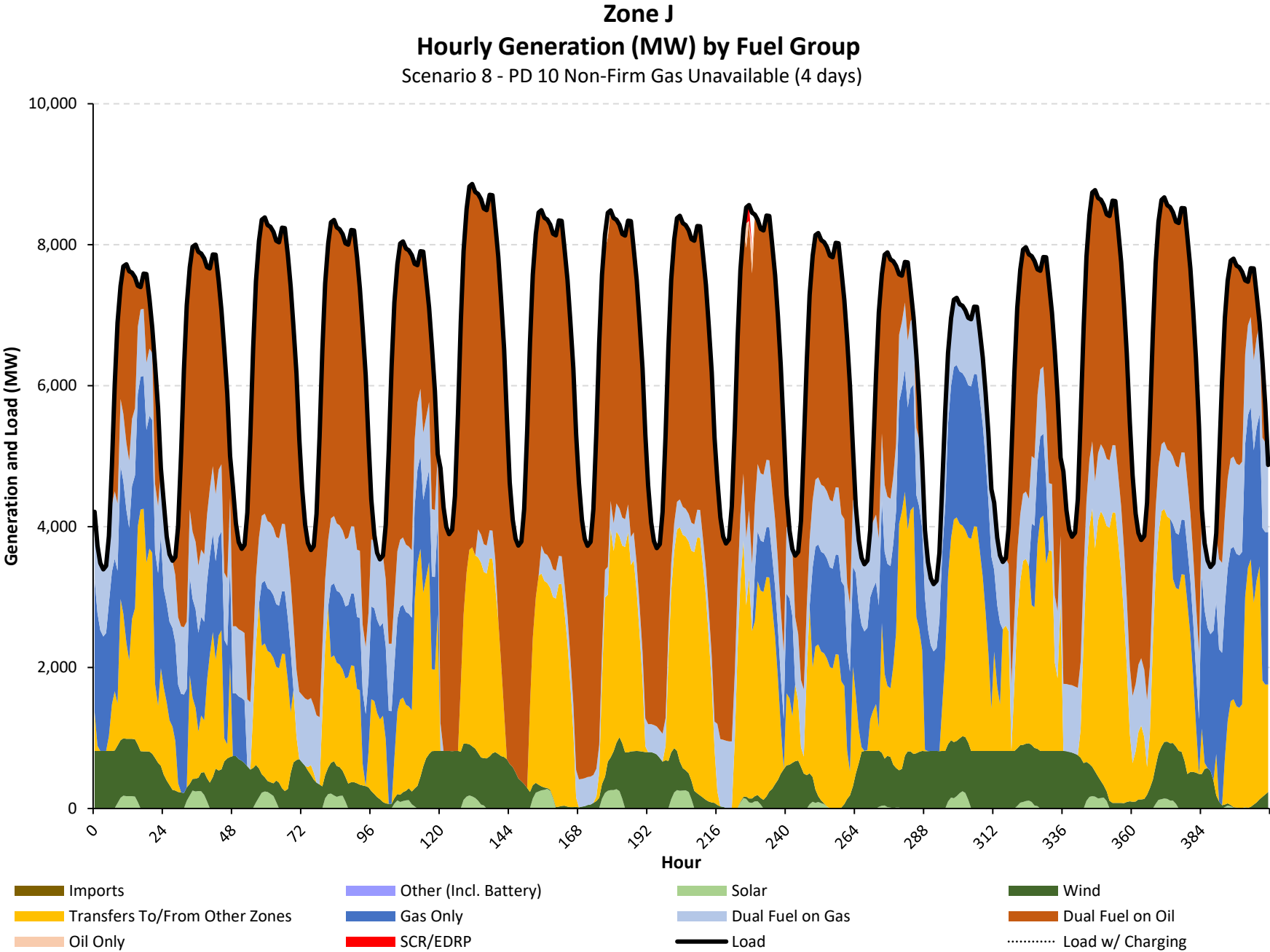
Full Period Results Summary

Case Name: Scenario 8 - PD 10 Non-Firm Gas Unavailable (4 days)

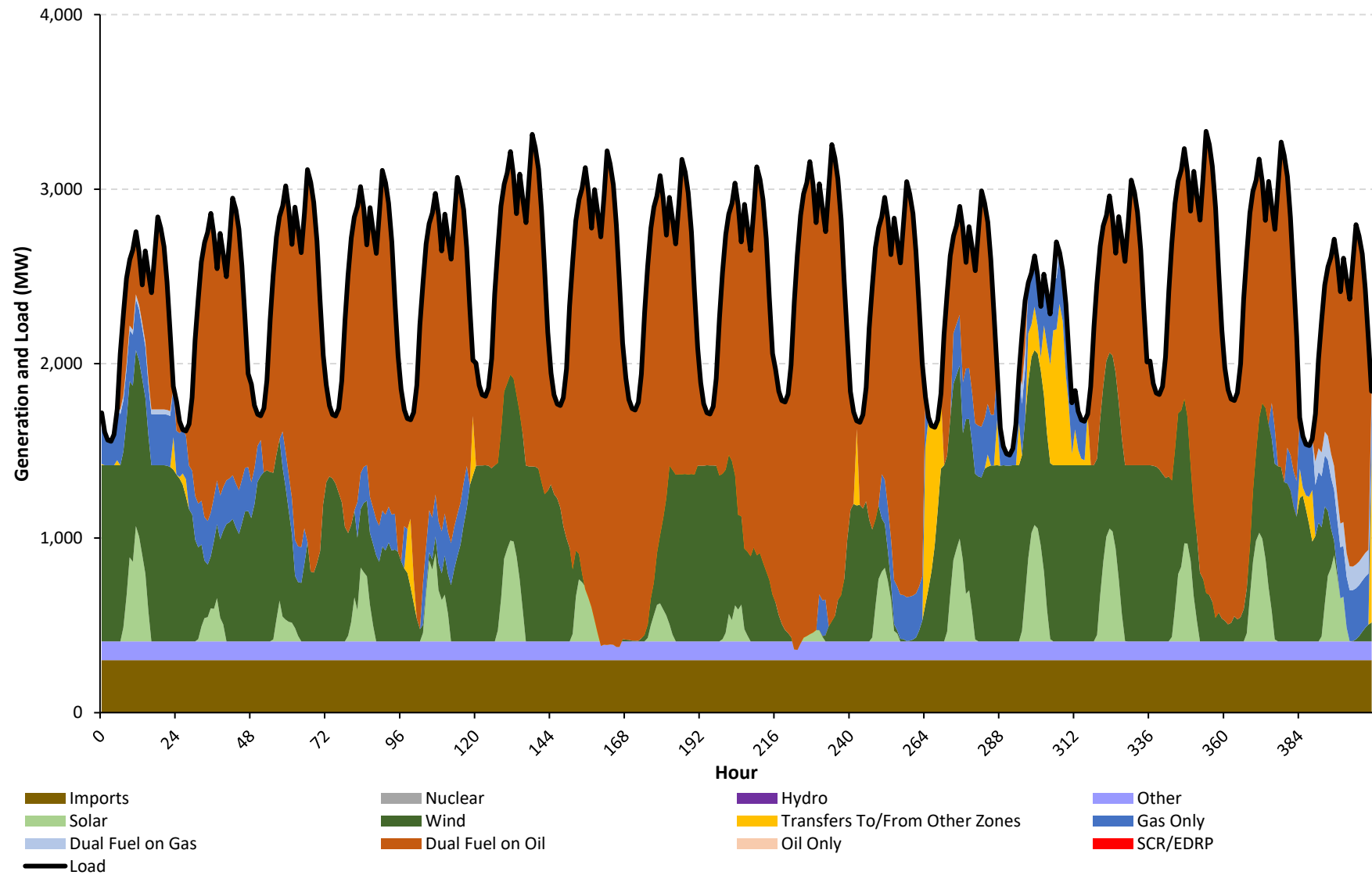
| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | Off      |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Off      |
| Loss of Gas Fired Gen.   | 3-4 days |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |



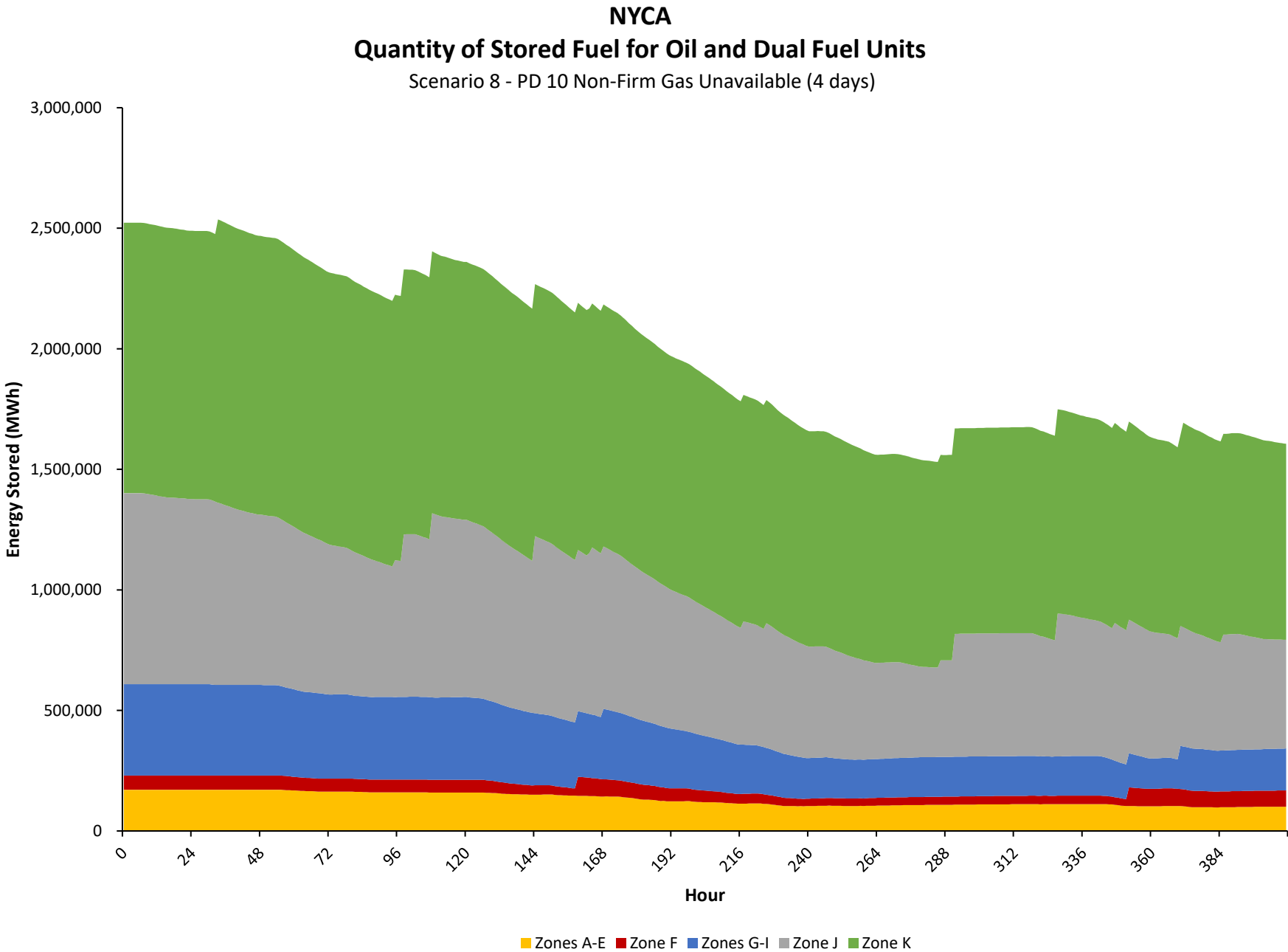


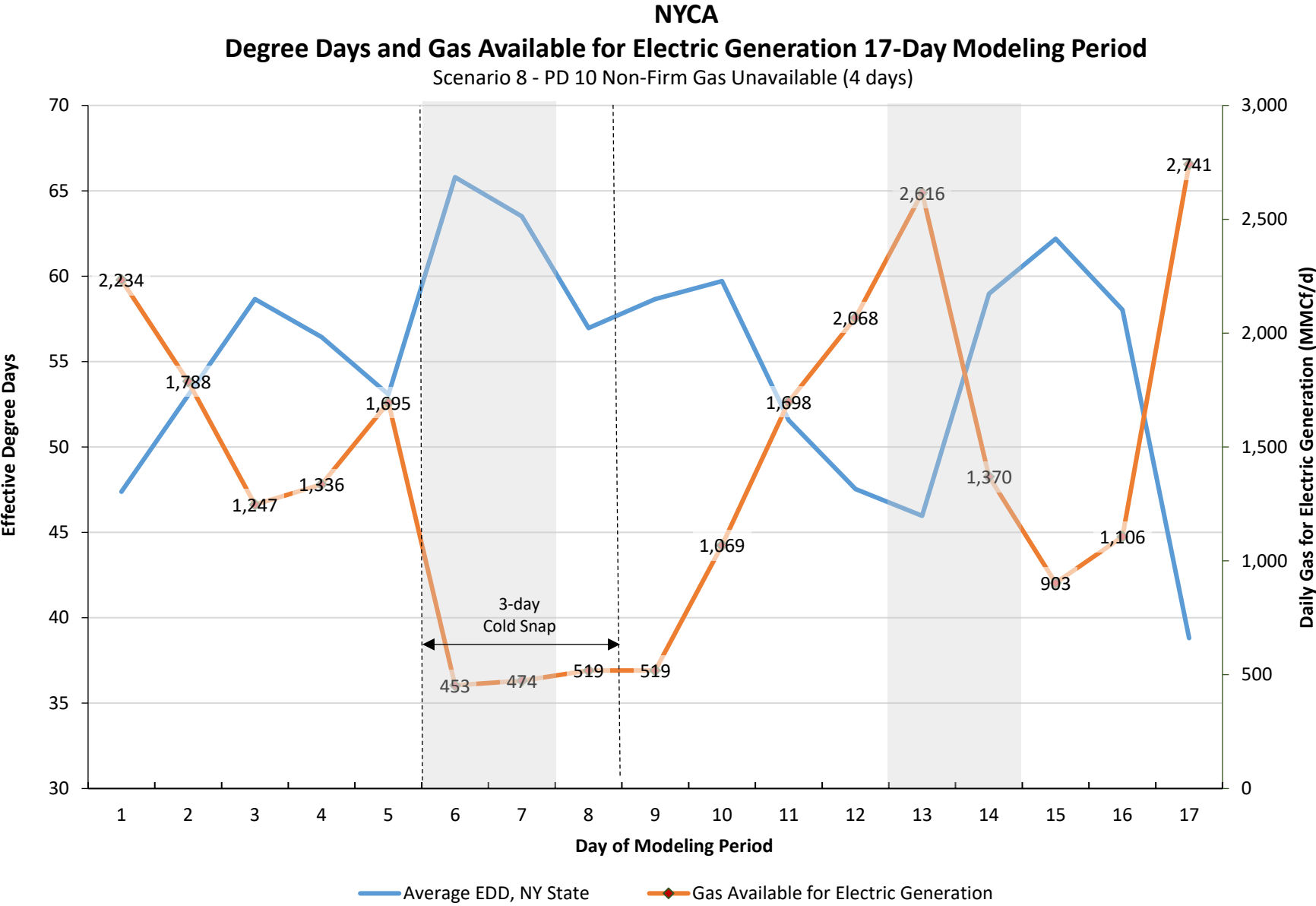


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 10 Non-Firm Gas Unavailable (4 days)

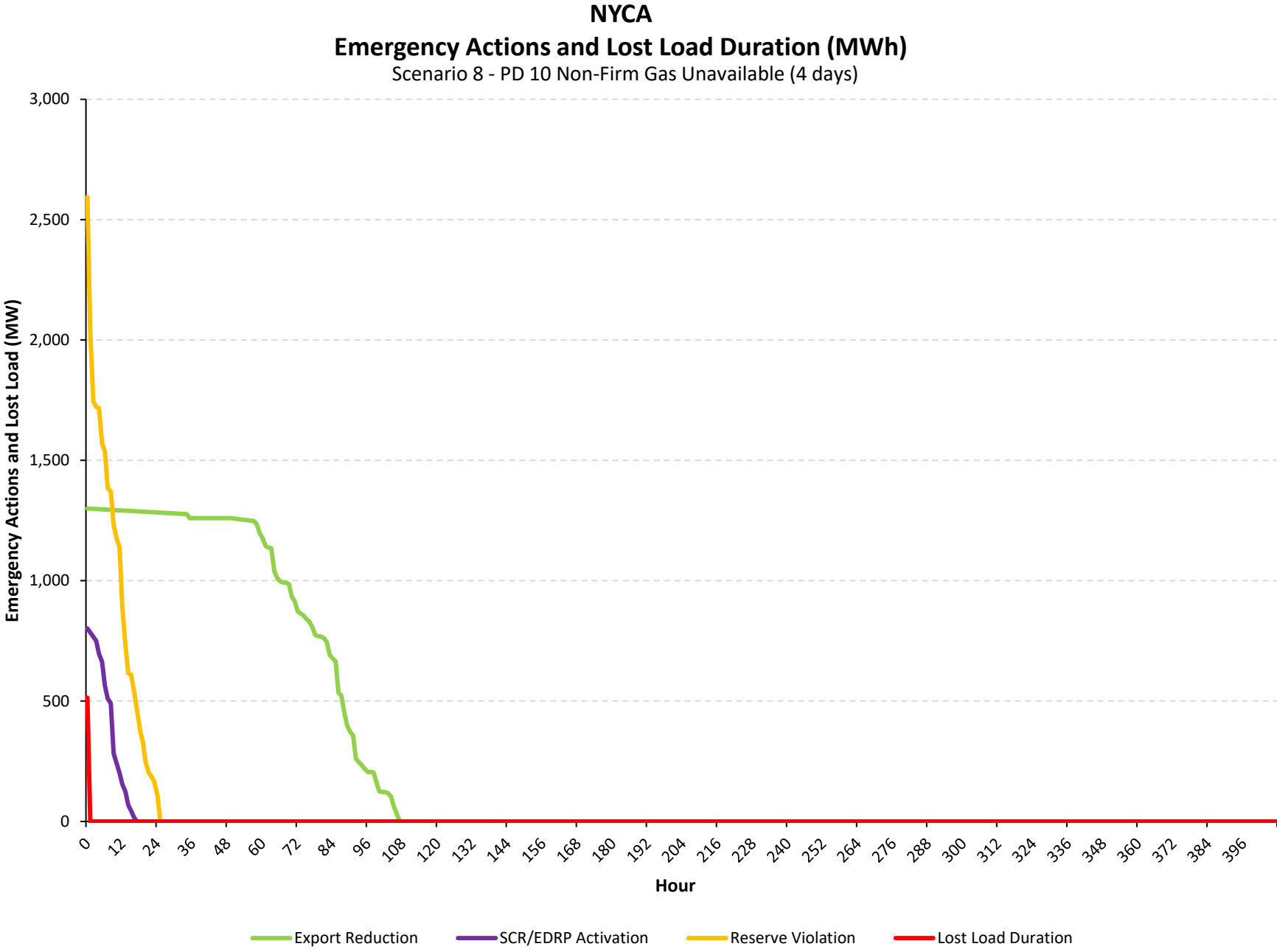


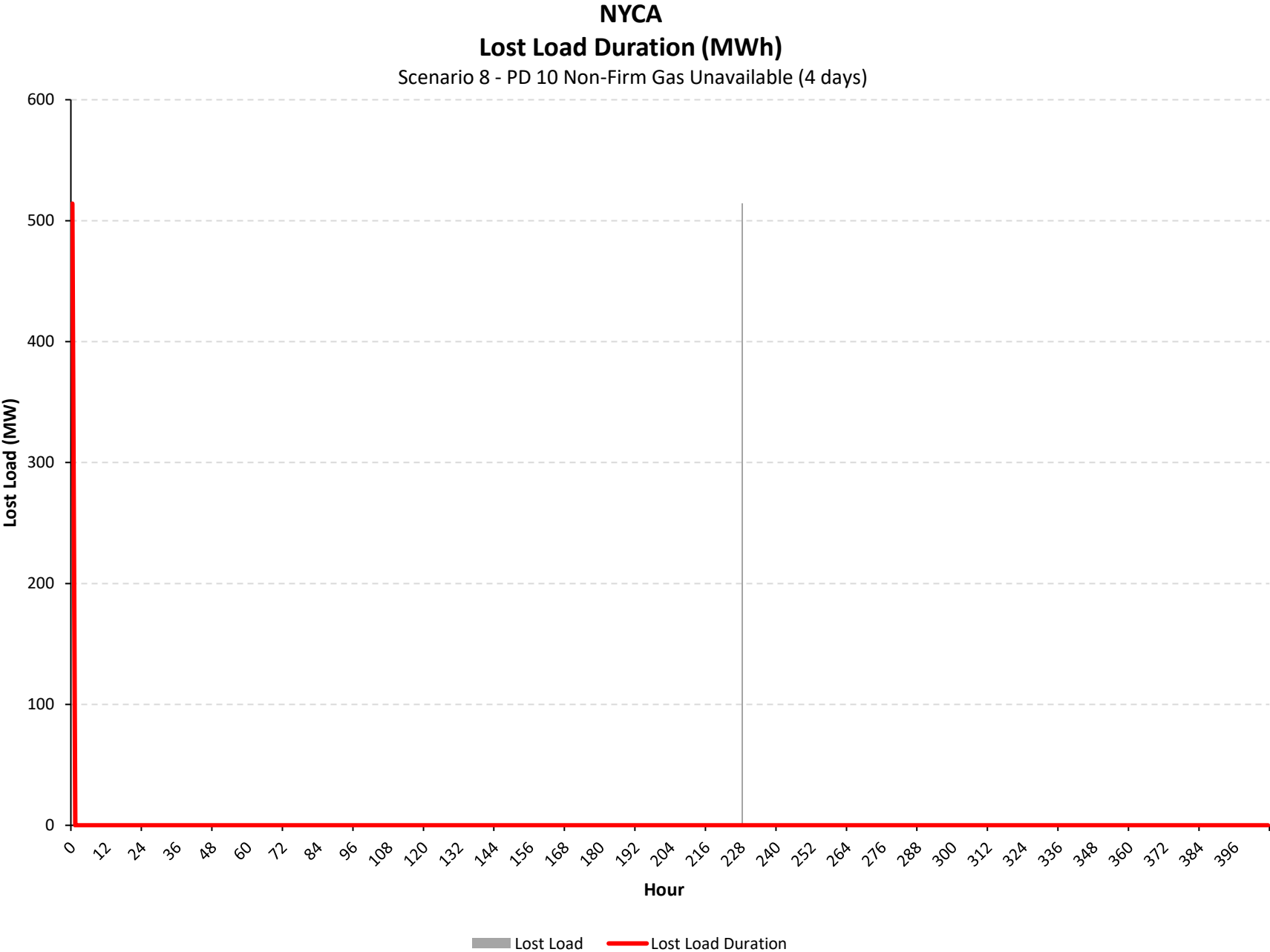






**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.



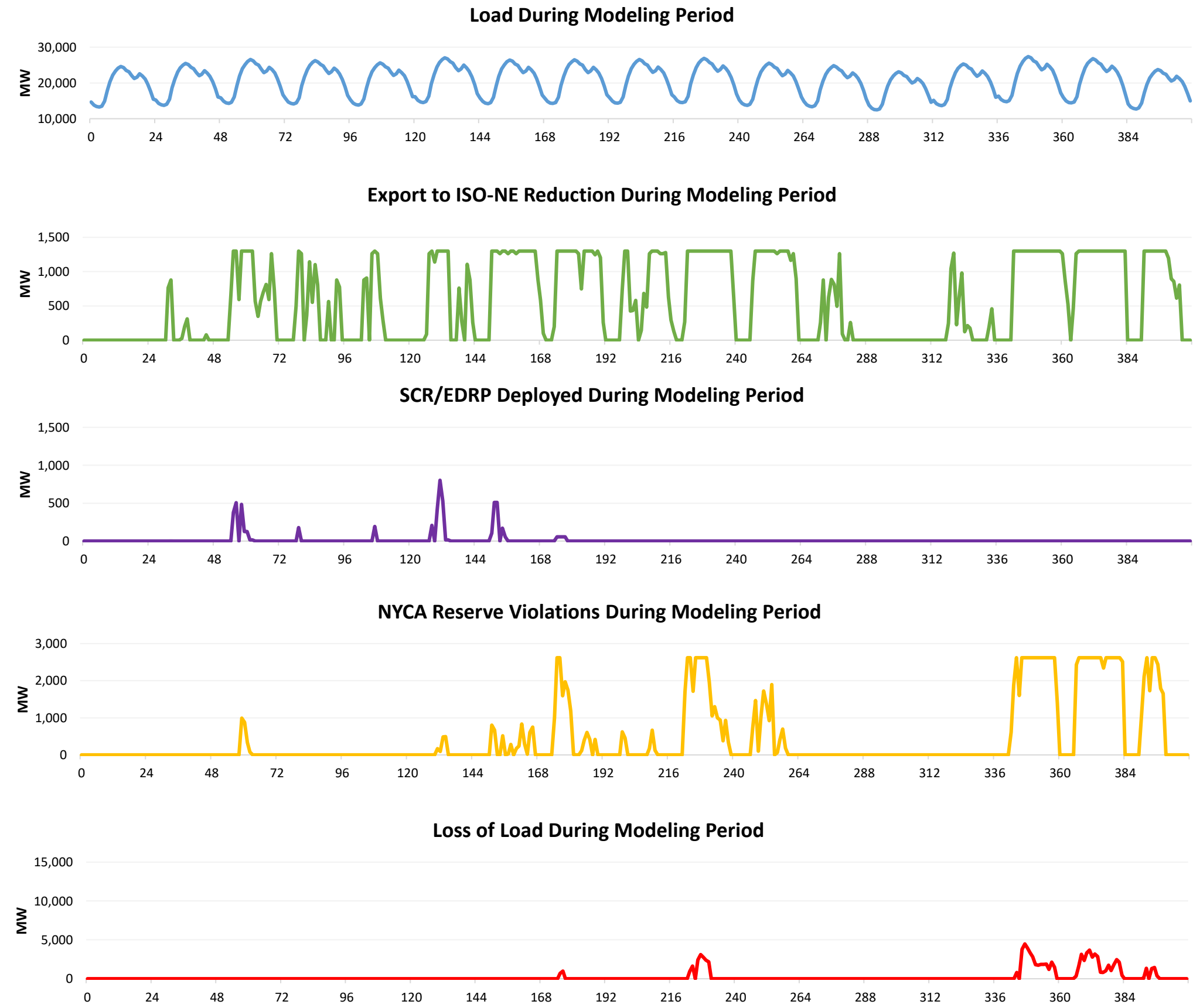


## **Appendix E. Diagnostic Charts for Cases with Identified Reliability Risks**

### **Case: Scenario 8 - PD 11 Combination Disruption (Winter 2026/2027)**

Hourly Results Summary

Case Name: Scenario 8 - PD 11 Combination Disruption



| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORd) Increase: | High     |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Reduced  |
| Loss of Gas Fired Gen.   | Reduced  |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

| Export Reductions |         |
|-------------------|---------|
| Total Hrs.        | 225     |
| Total MWh         | 231,366 |
| Avg. MW           | 567.1   |

| SCR Deployment |       |
|----------------|-------|
| Total Hrs.     | 24    |
| Total MWh      | 5,578 |
| Avg. MW        | 13.7  |

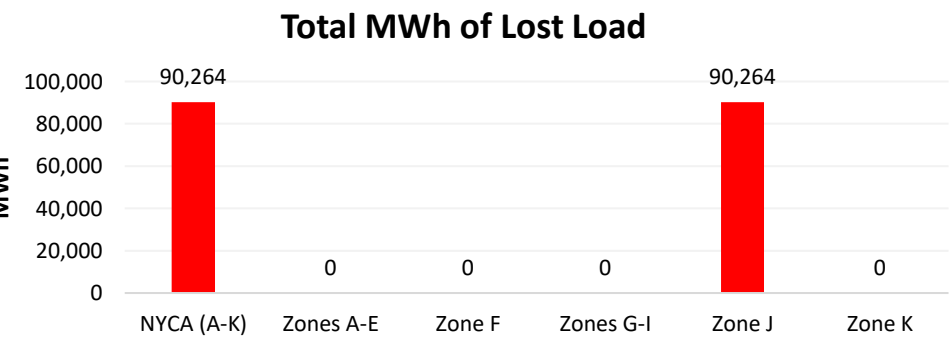
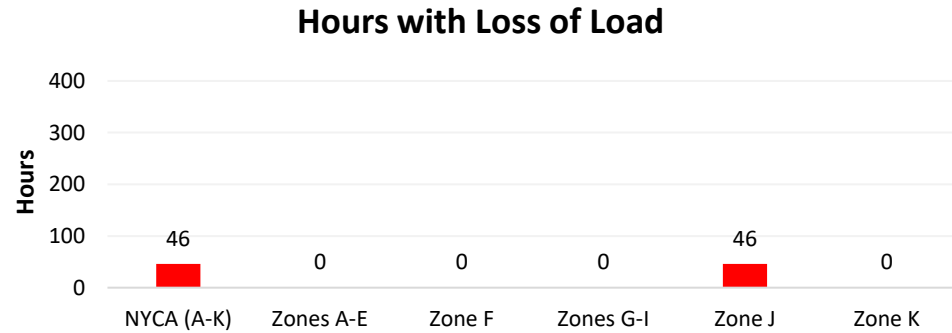
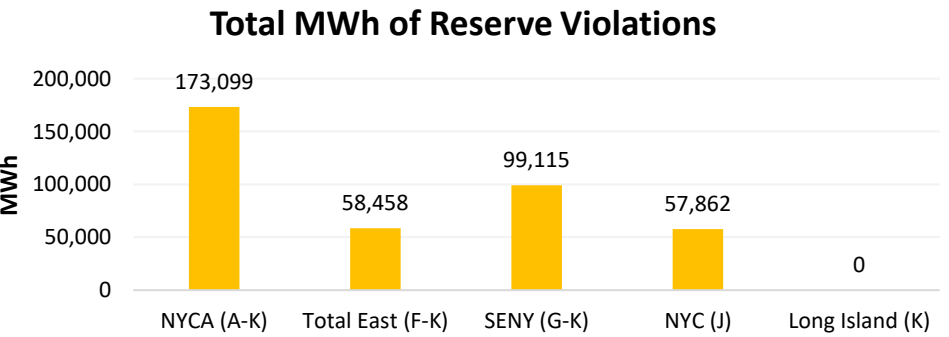
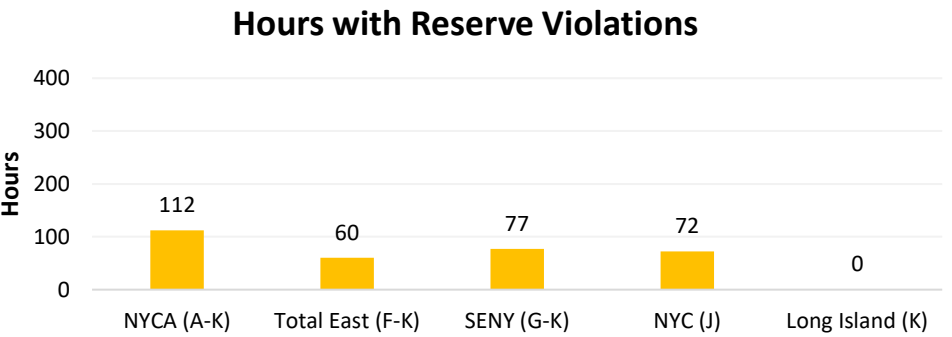
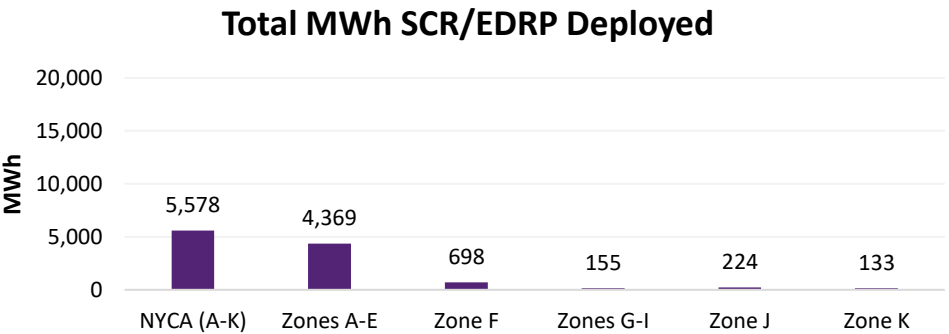
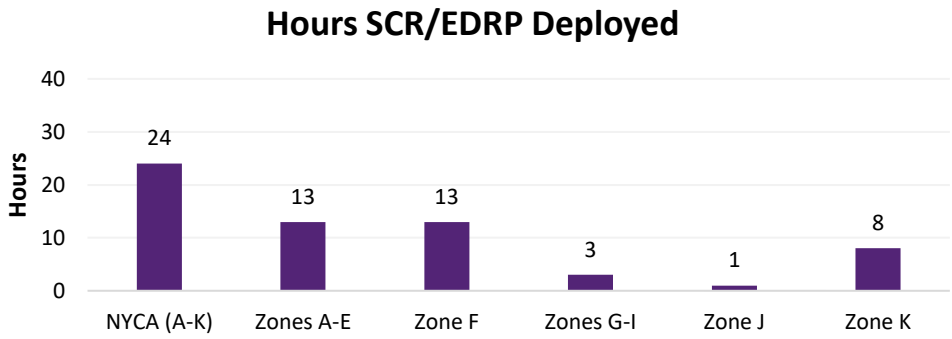
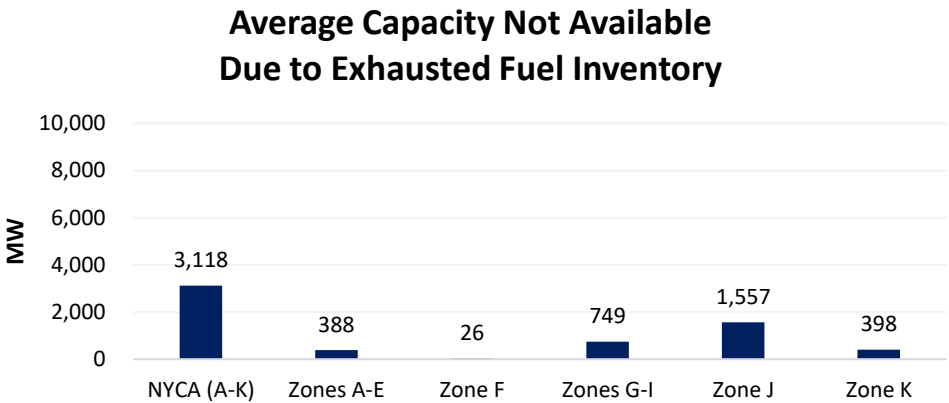
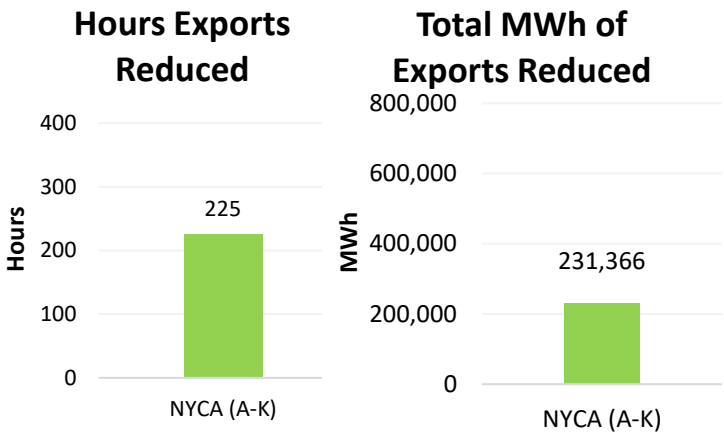
| Reserve Violations    |         |
|-----------------------|---------|
| Total Hrs.            | 112     |
| Total MWh             | 173,099 |
| Avg. MW               | 424.3   |
| First Hour with Viol. | 59      |

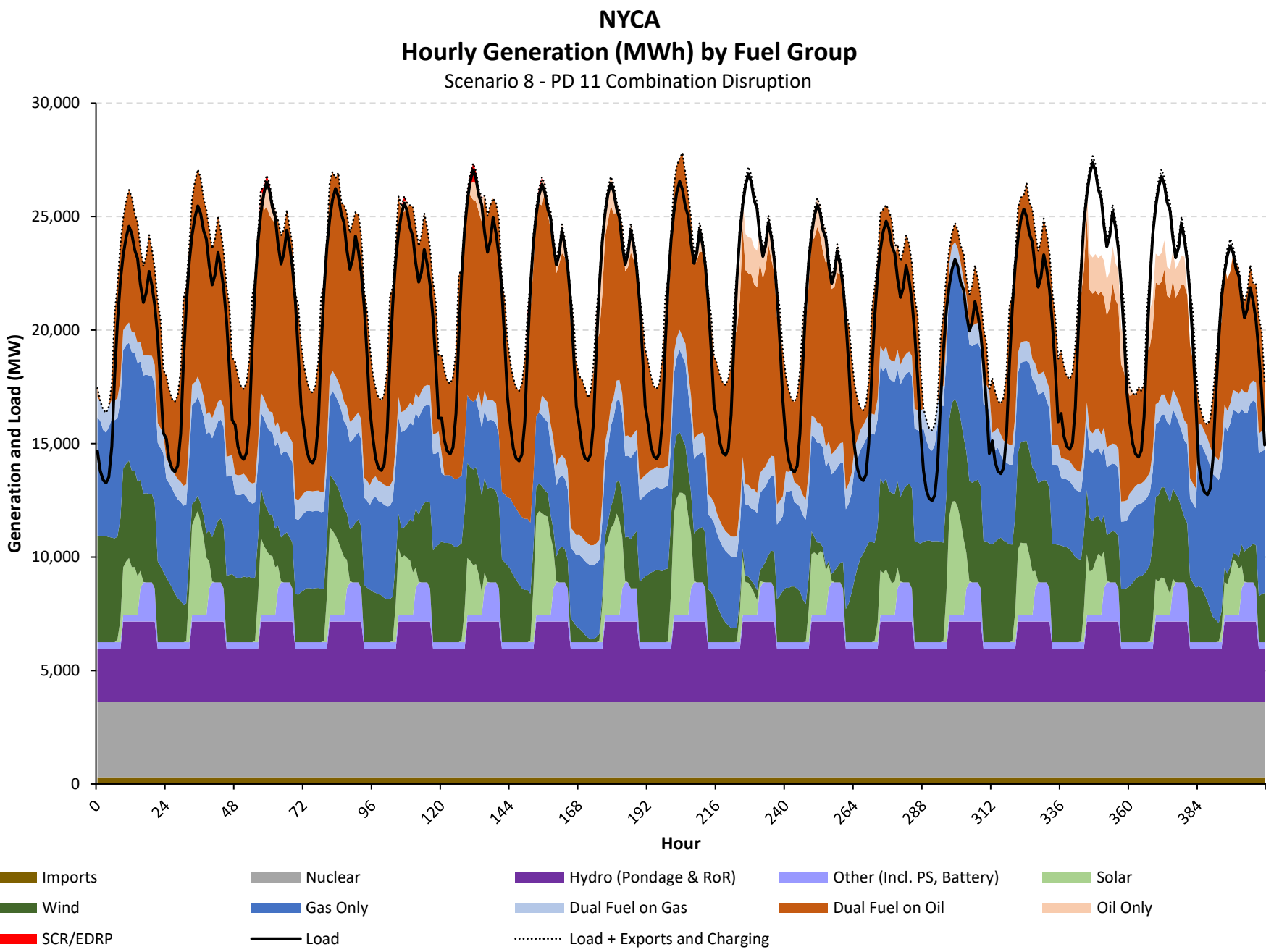
| Loss of Load           |        |
|------------------------|--------|
| Total Hrs.             | 46     |
| Total MWh              | 90,264 |
| Avg. MW                | 221.2  |
| First Hour with Losses | 175    |

Full Period Results Summary

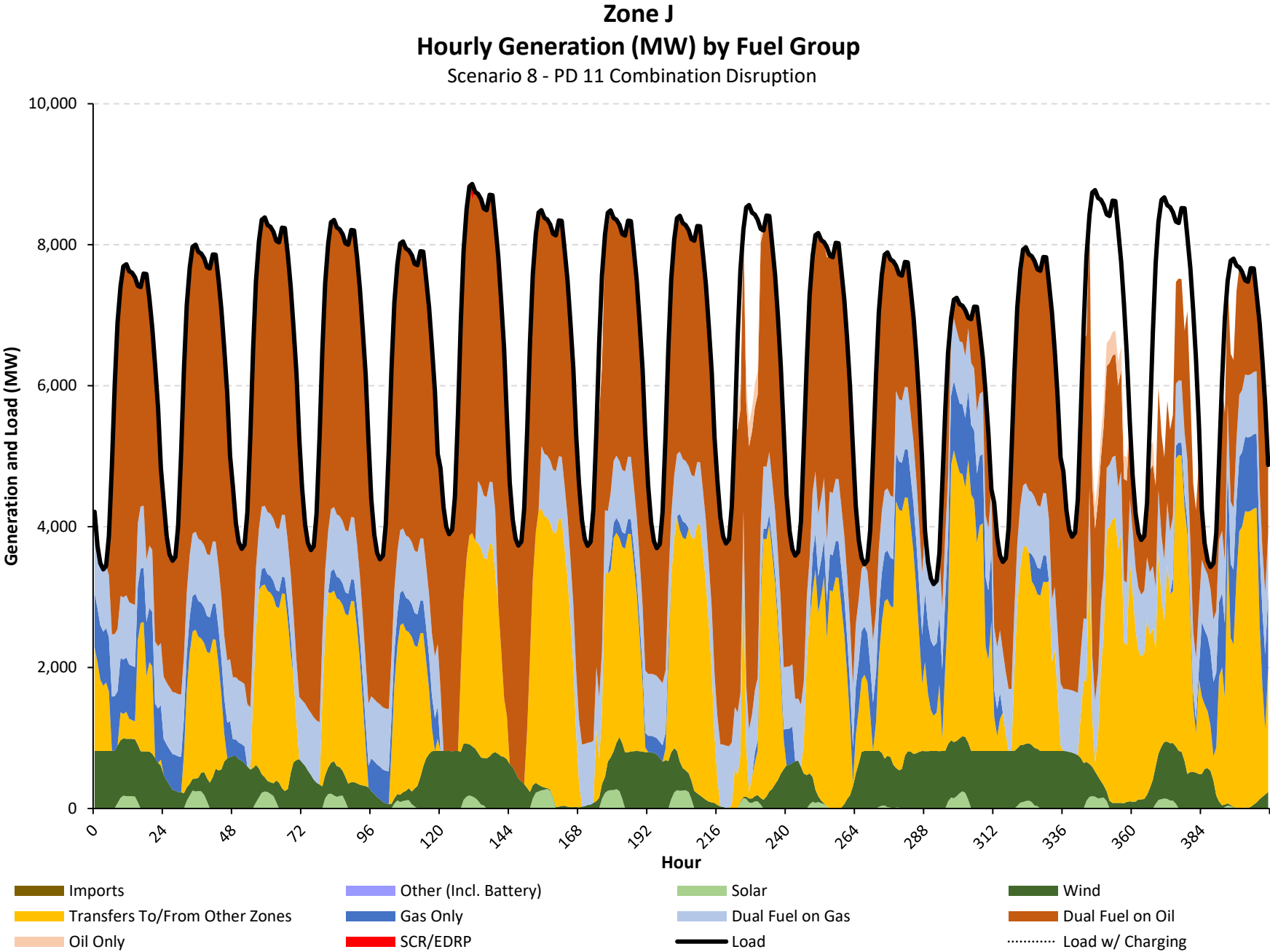
Case Name: Scenario 8 - PD 11 Combination Disruption

| Case Summary             |          |
|--------------------------|----------|
| Derate (EFORD) Increase: | High     |
| Starting Storage:        | High     |
| Renewables:              | Delayed  |
| Refill Contingency:      | Reduced  |
| Loss of Gas Fired Gen.   | Reduced  |
| Nuclear Contingency:     | Off      |
| Plant Outage:            | None     |
| Import Scenario:         | Net Zero |

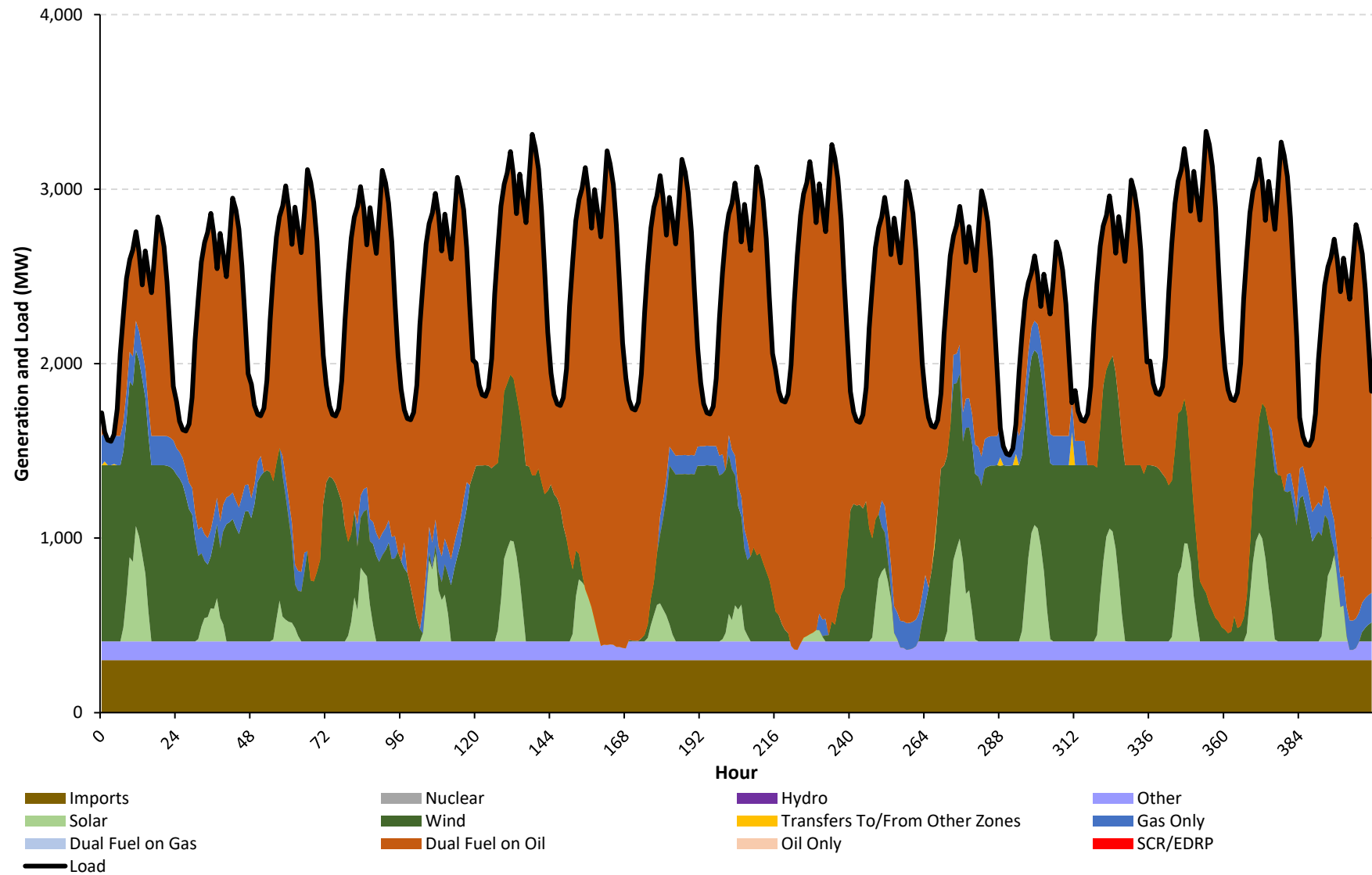




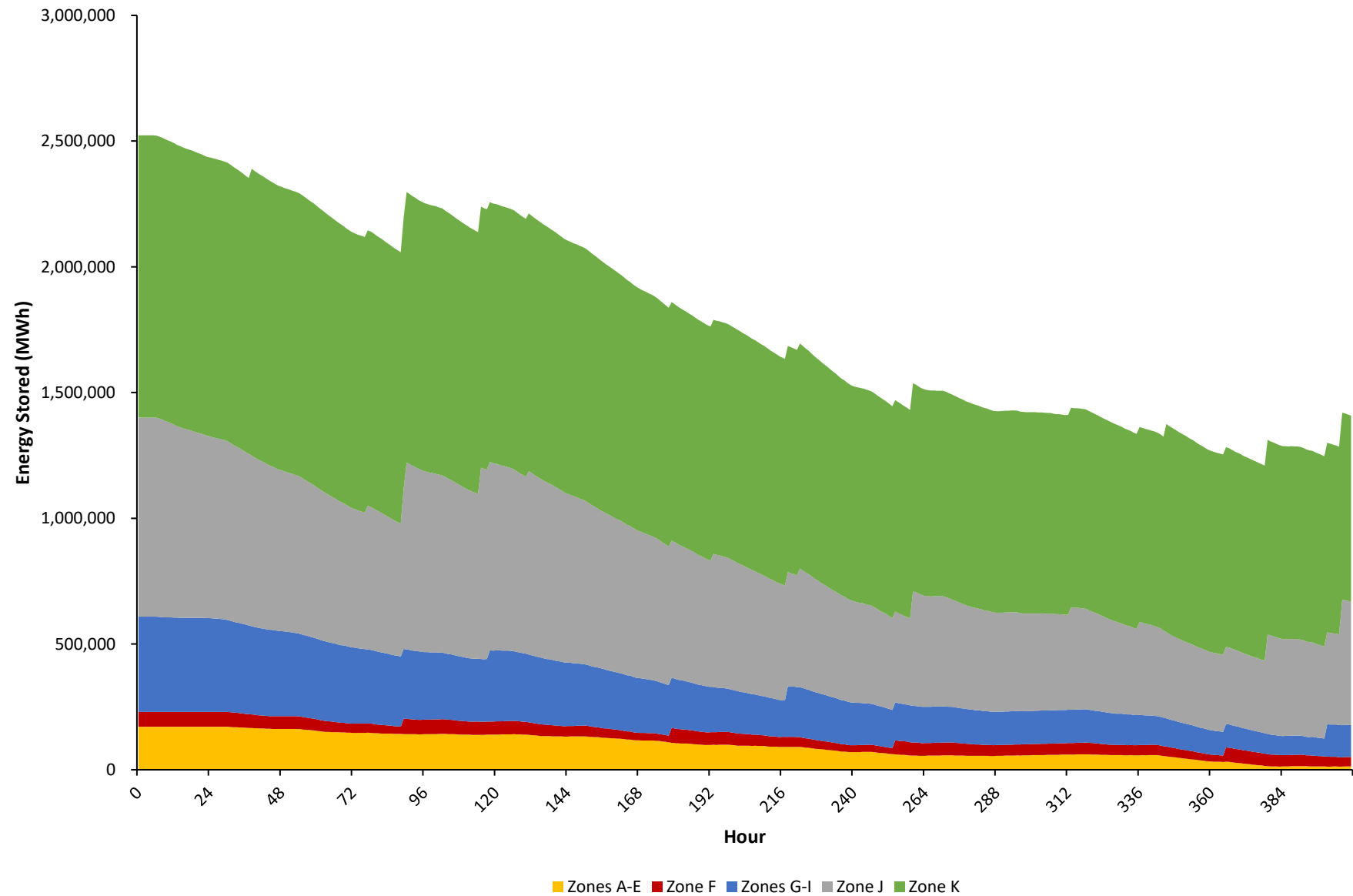


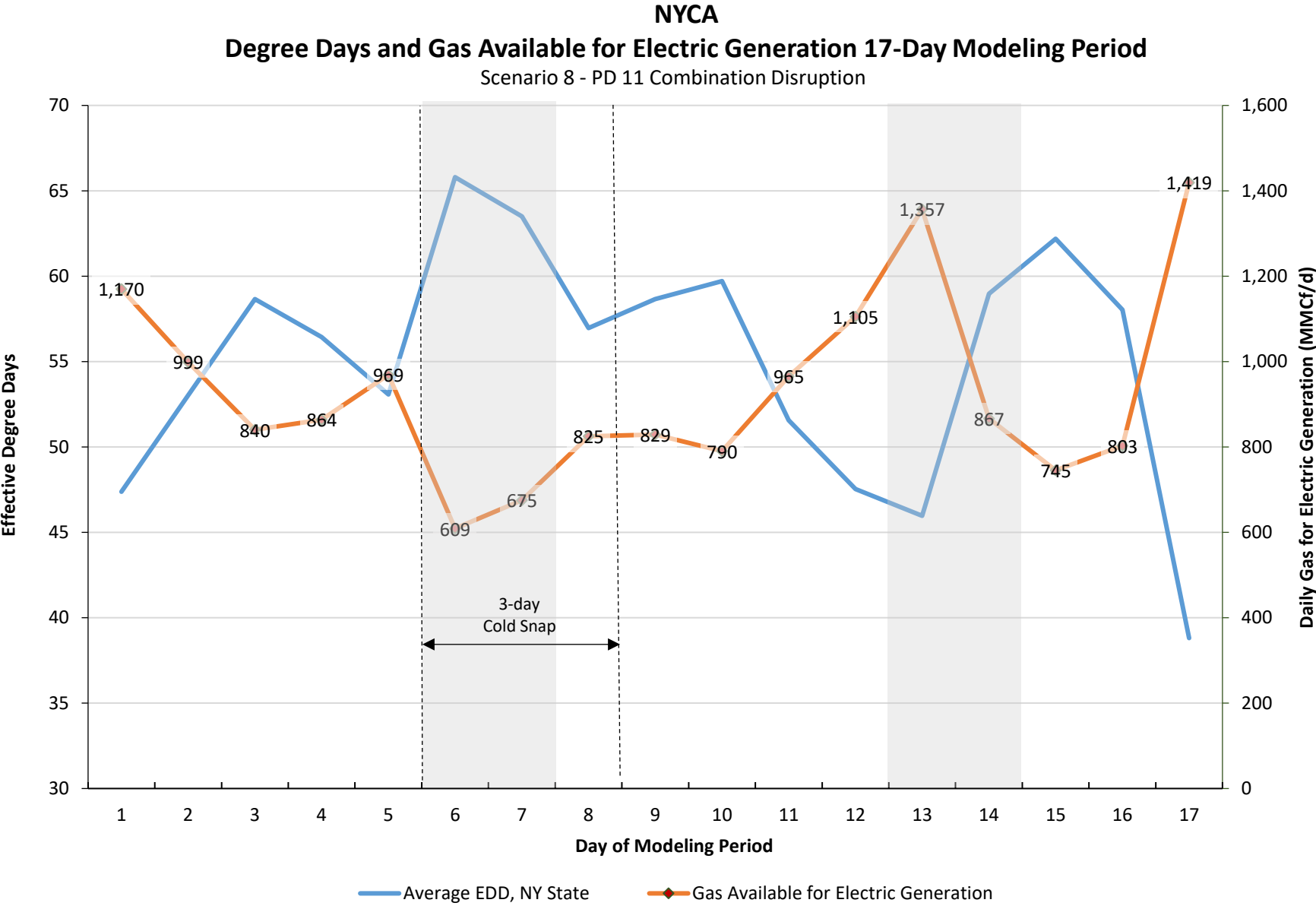


**Zone K**  
**Hourly Generation (MW) by Fuel Group**  
Scenario 8 - PD 11 Combination Disruption



**NYCA**  
**Quantity of Stored Fuel for Oil and Dual Fuel Units**  
Scenario 8 - PD 11 Combination Disruption





**Notes:**  
[1] Weekends are shaded in gray.  
[2] Effective degree day is defined as 65 degrees F - Temperature.

