



Working to Perfect the  
Flow of Energy

# FUEL SECURITY ANALYSIS:

## SCENARIO SUMMARIES

PJM Interconnection

January 16, 2019





# Introduction

This document contains individual summaries of the 324 scenarios reported in PJM Interconnection's Fuel Security Analysis: A PJM Resilience Initiative.<sup>1</sup> These scenarios are being published to offer a closer look into the results for stakeholders and other interested parties and to help inform the stakeholder process for fuel security in PJM.

The scenario summaries can look similar, so they have been labeled numerically for easy reference. Methodology, analysis, explanation of results and conclusions gleaned from these results can be found in the PJM report Fuel Security Analysis: A PJM Resilience Initiative.<sup>2</sup>

## Reading the Scenario Summaries

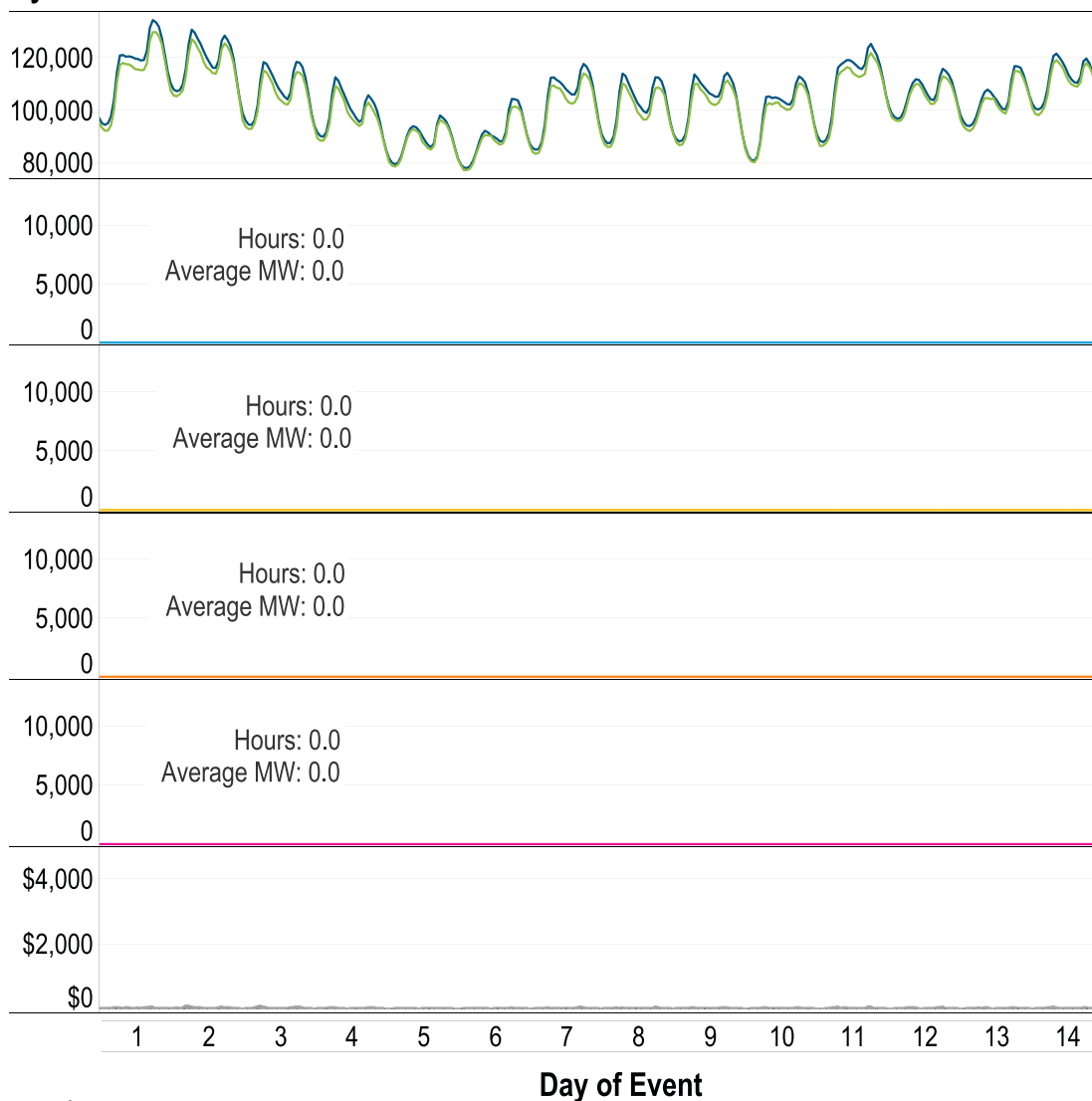
PJM applied a common overview template to illustrate the differences in operational impact across scenarios. Each scenario summary includes four sections summarizing the results: scenario description, system overview, hourly zonal average locational marginal price (LMP) and oil inventory.

- **Scenario description:** The scenario description in the top right-hand corner describes the input assumptions associated with the scenario.
- **System overview:** The system overview, presented on the left side, provides hourly data for generation and demand, demand response, reserve shortage, voltage reduction, load shed and price.
  - **Generation and demand** summarize the hourly load profile and generation for the entirety of PJM.
  - **Demand response** summarizes hourly demand response deployments. Demand response deployment is a pre-emergency action.
  - **Reserve shortage** summarizes hourly reserve shortage data. An operational reserve shortage is triggered when 10-minute Synchronized Reserves are less than the largest generator in PJM. Depending on system conditions, a reserve shortage will trigger additional emergency procedures such as voltage reduction warnings and manual load shed warnings.
  - **Voltage reduction** summarizes hourly voltage reduction action data. Voltage reduction action enables load reductions by reducing voltages at the distribution level. PJM estimates a 1 to 2 percent load reduction resulting from a 5 percent load reduction in transmission zones capable of performing a voltage reduction.
  - **Load shed** summarizes hourly manual load shed action data. Manual load shed action enables zonal or system-wide load shed. This is the last step of all emergency procedure actions.
  - **Price** summarizes hourly LMP across PJM. Prices are products of the input assumptions and do not represent forecasts of actual prices.
- **Hourly zonal average LMP:** Hourly zonal average LMP data is in the middle of the right side of the model overview. These prices are shown as an indicator for price separation. Prices do not represent forecasts of actual prices.
- **Oil inventory:** Oil inventory statistics are summarized on the bottom right of the model overview. The heat maps indicate, by day, the number of sites where oil inventories were depleted. This site-specific data refers to on-site fuel inventories for individual generating units or shared by a group of generating units.

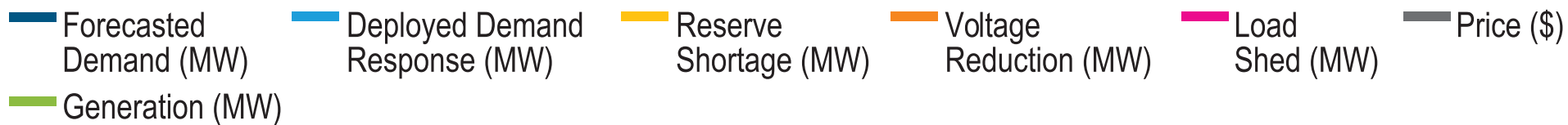
<sup>1</sup> <https://www.pjm.com/-/media/library/reports-notice/fuel-security/2018-fuel-security-analysis.ashx>.

<sup>2</sup> Ibid.

## System Overview



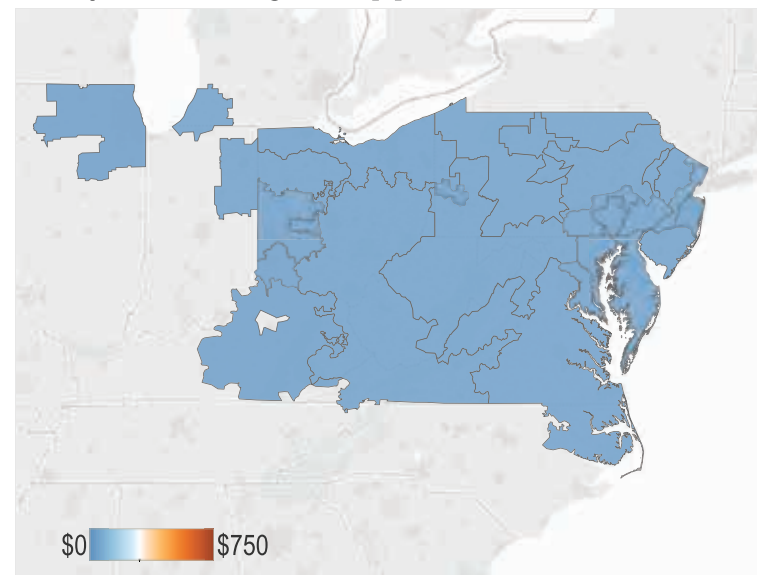
Legend



## Scenario: 1

Load:	Typical
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M



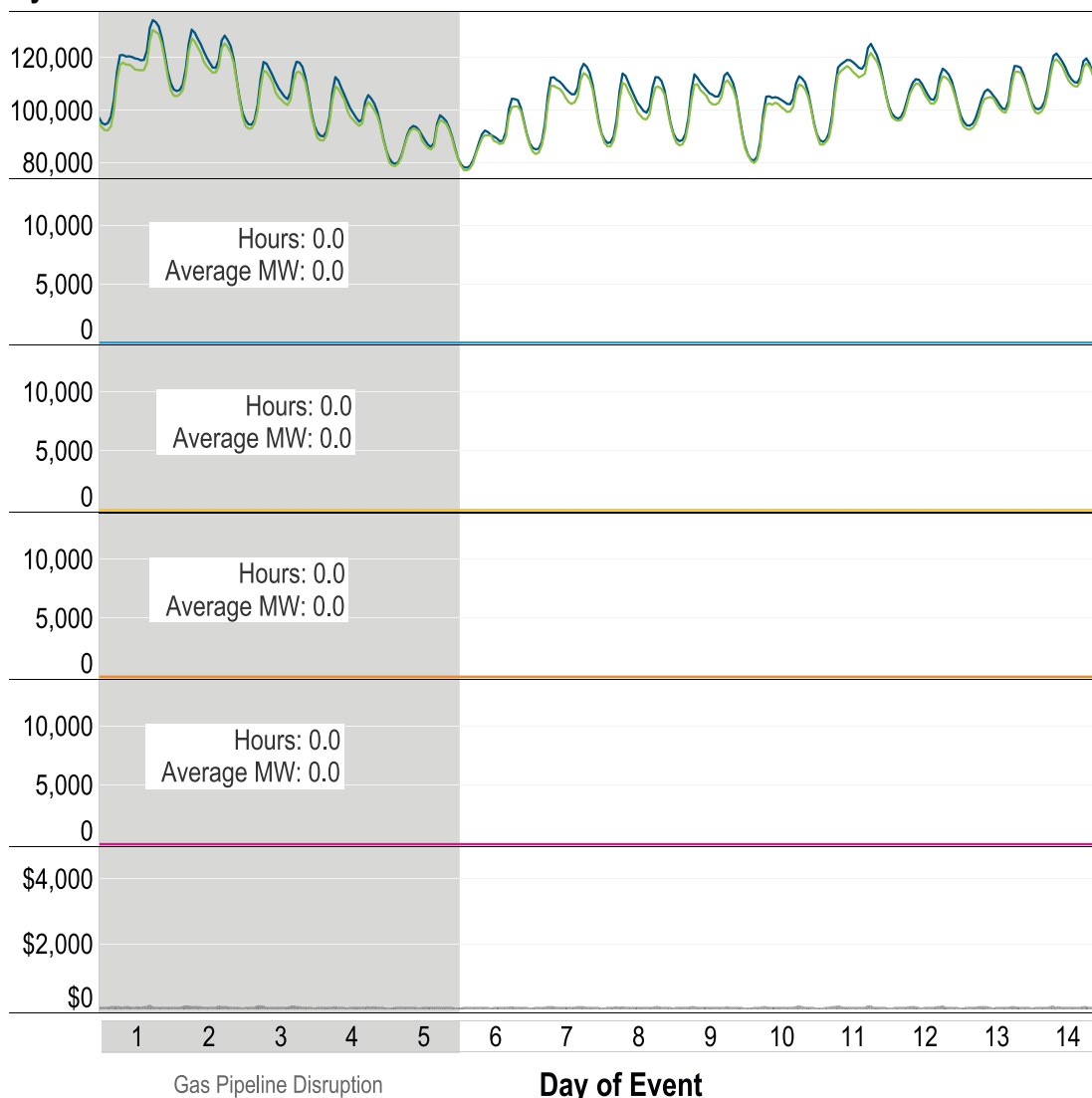
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



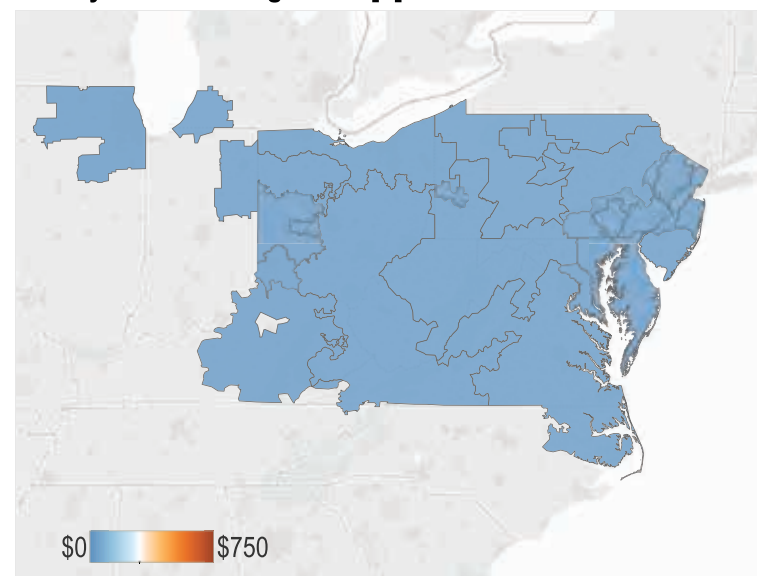
Legend



## Scenario: 2

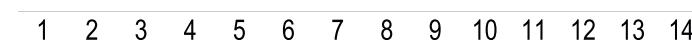
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M

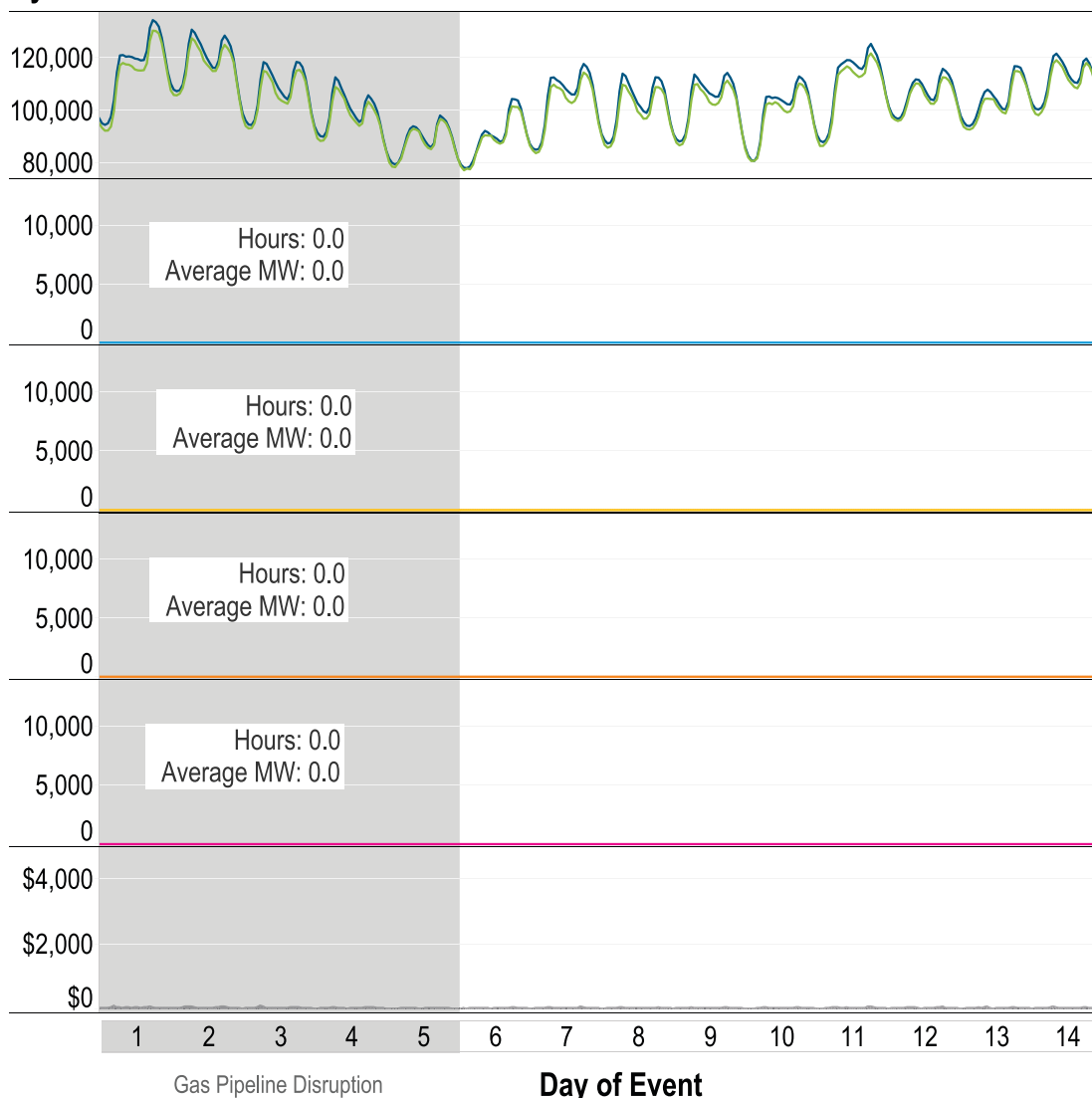


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



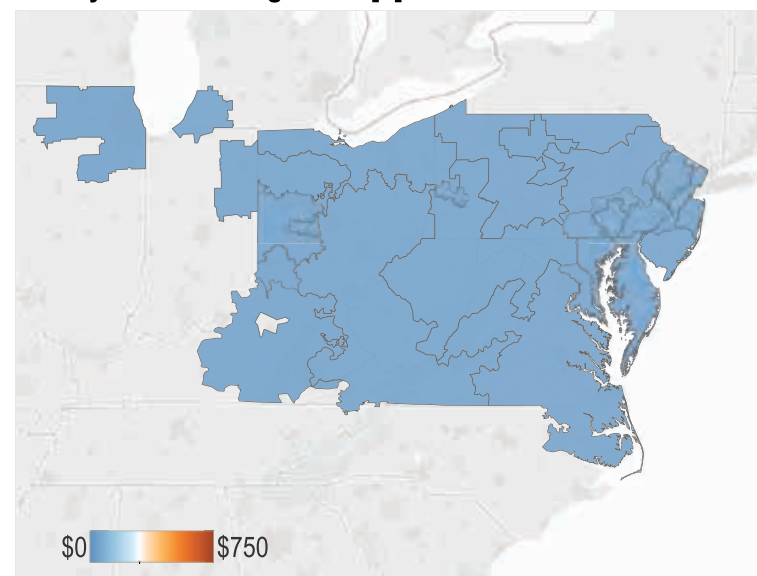
Legend



## Scenario: 3

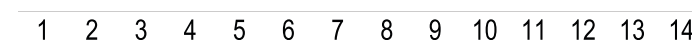
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M

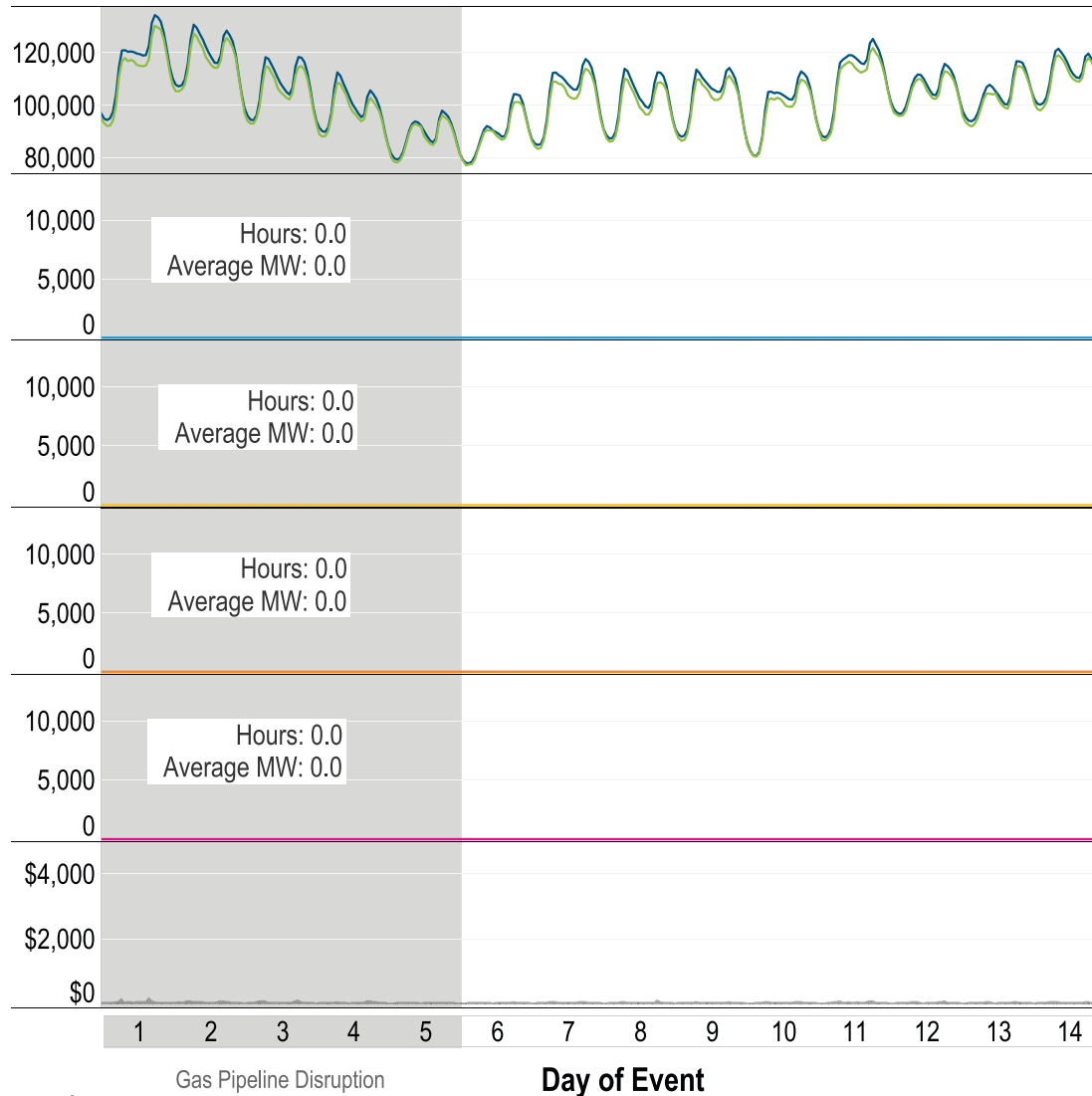


\*141 Total Sites

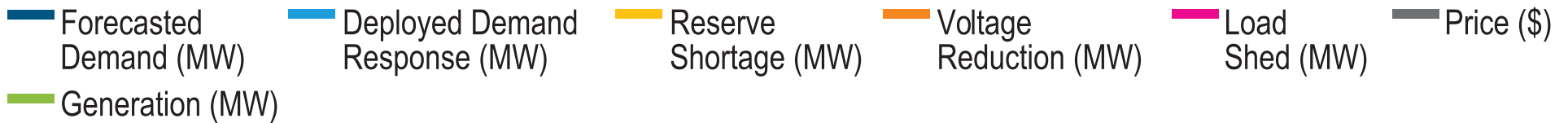
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



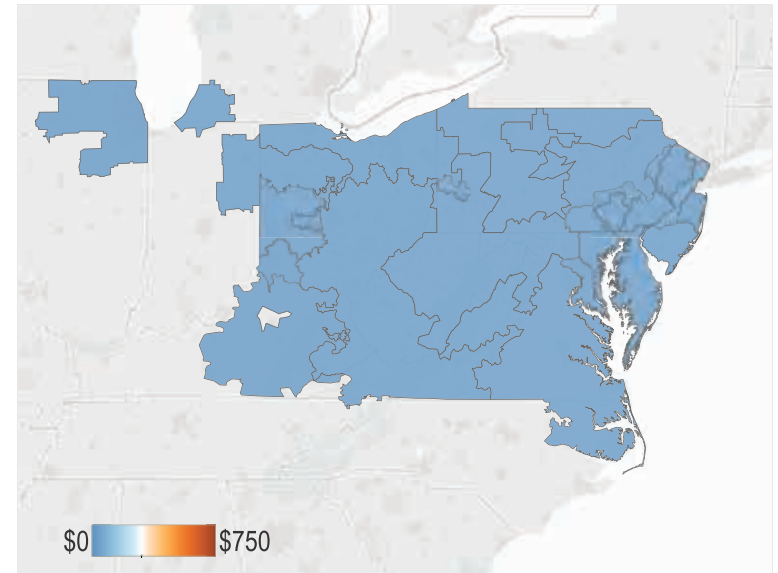
Legend



## Scenario: 4

Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M

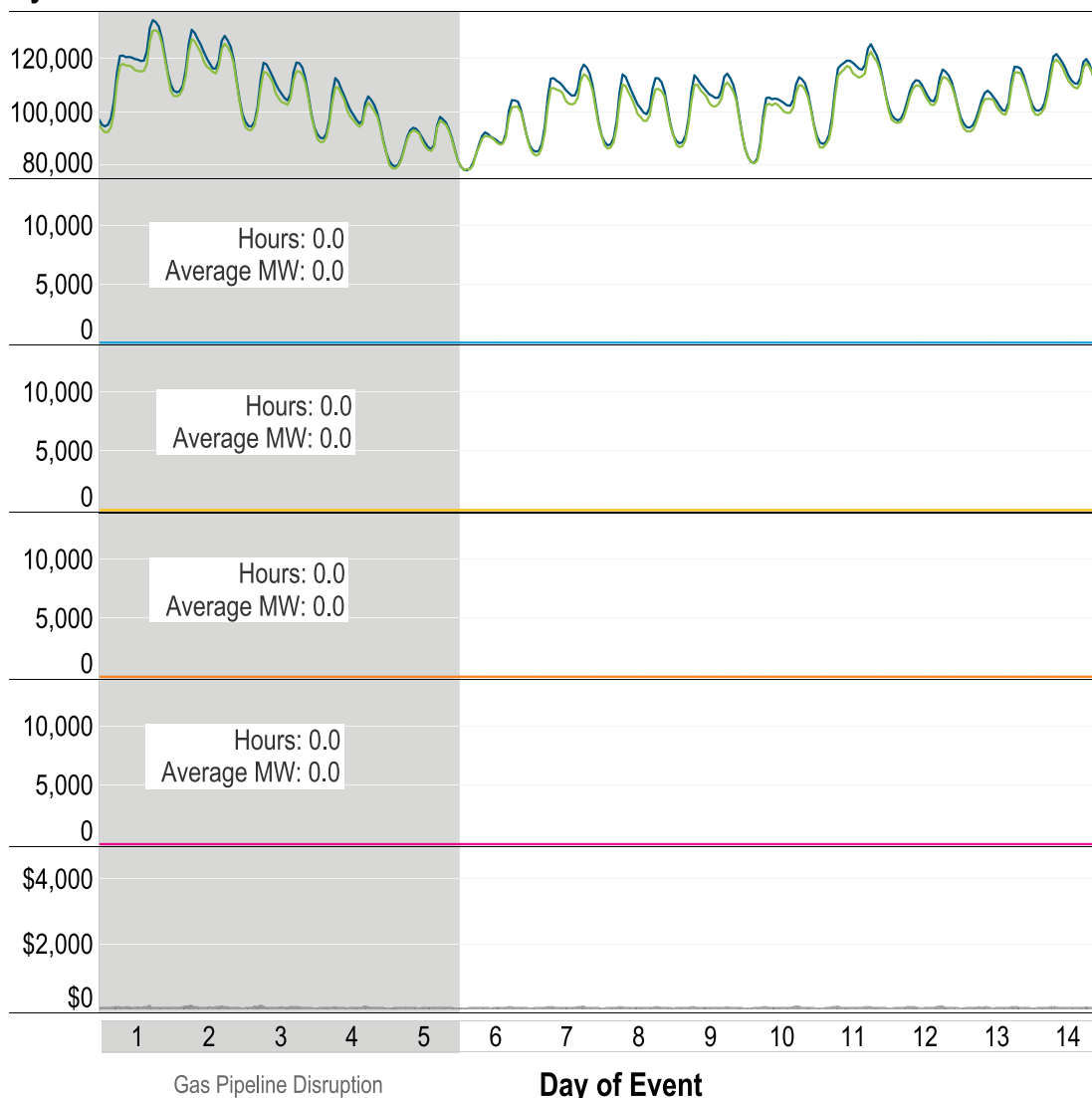


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



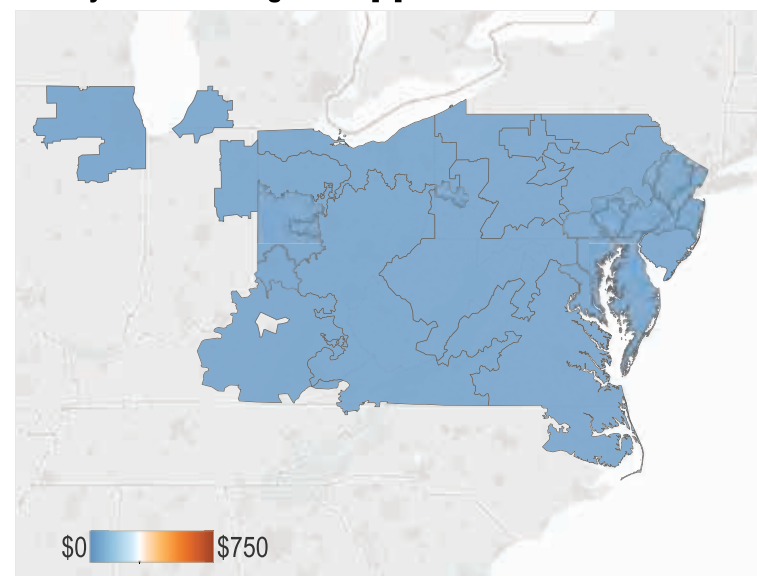
Legend



## Scenario: 5

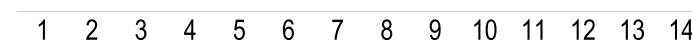
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.23M

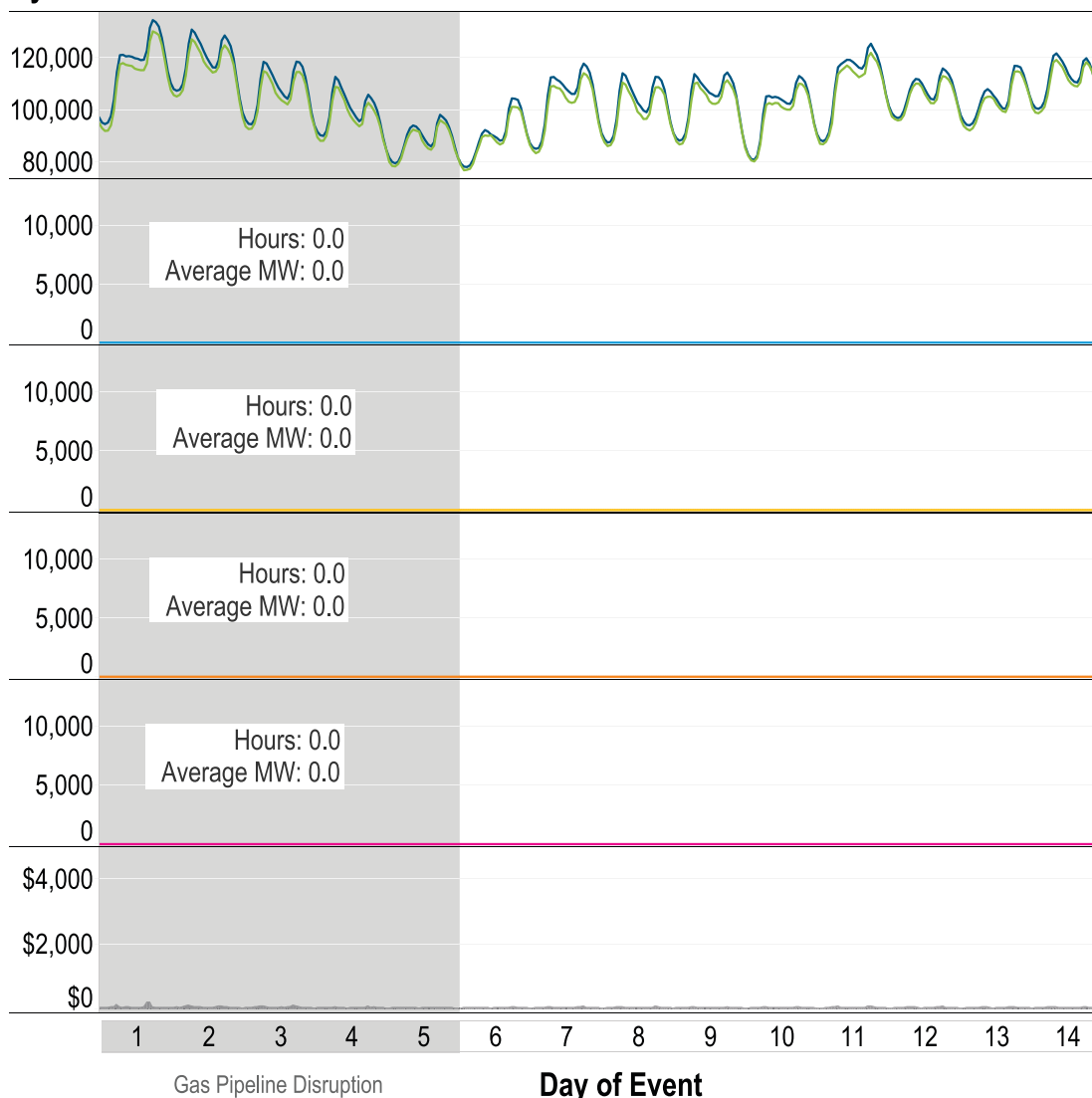


\*141 Total Sites

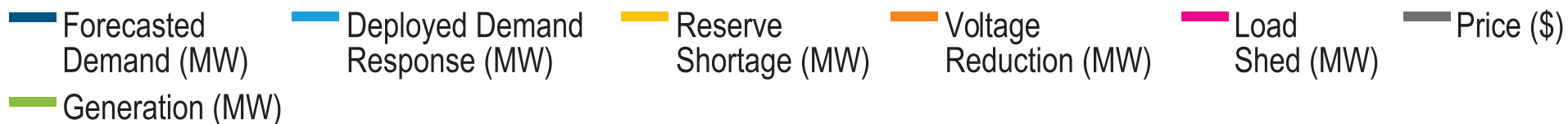
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



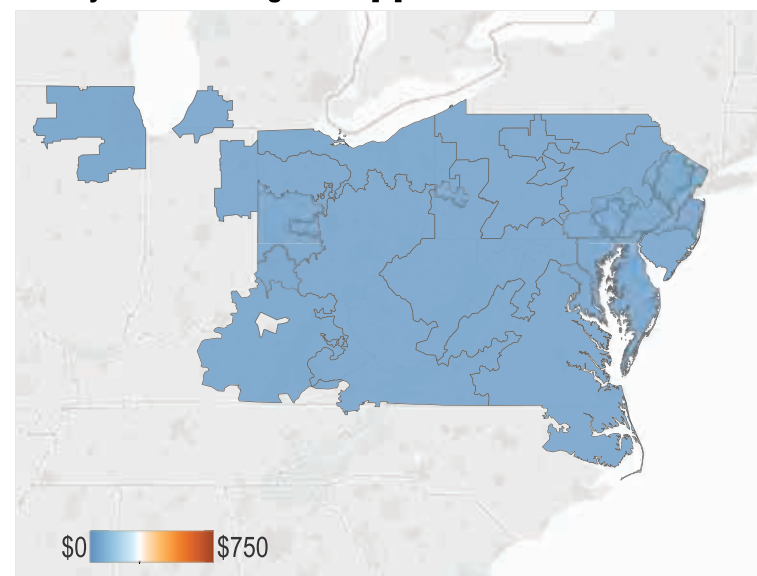
Legend



## Scenario: 6

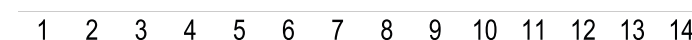
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M



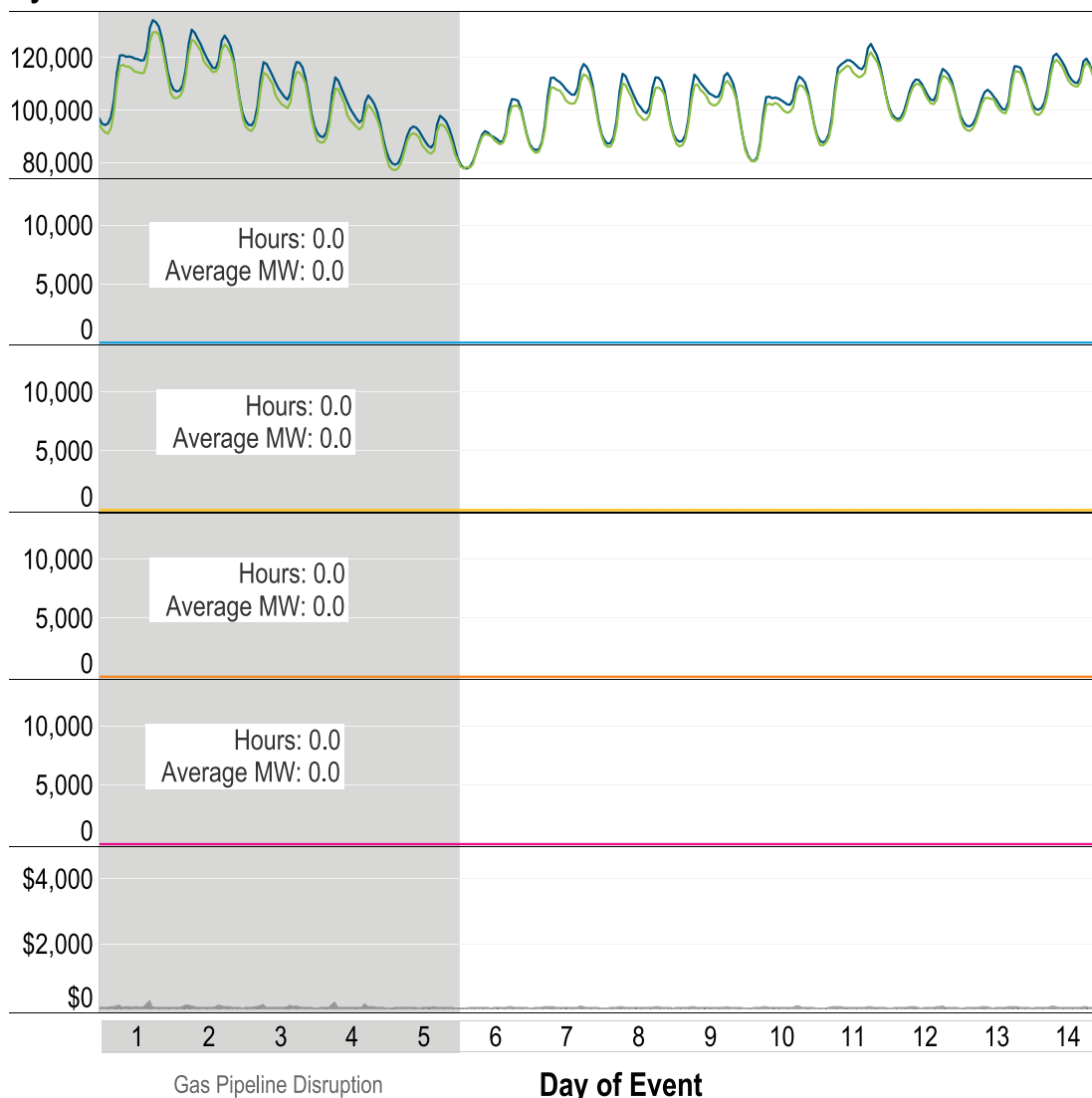
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



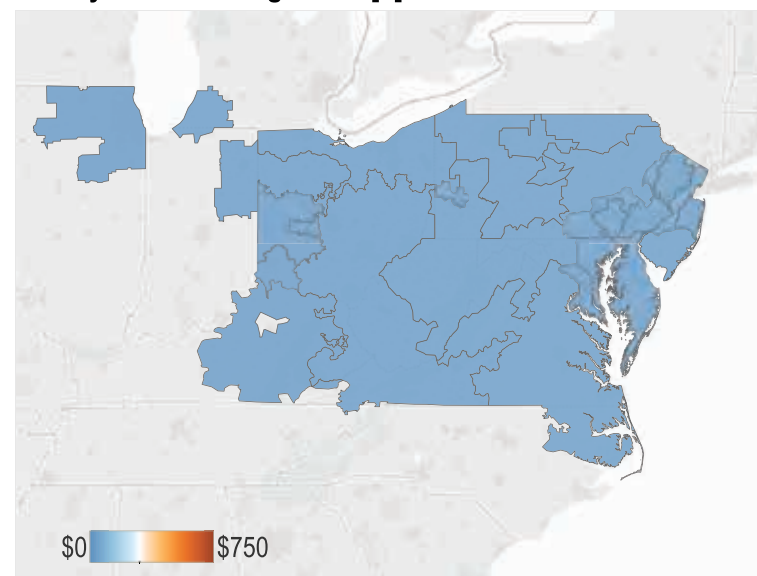
Legend



## Scenario: 7

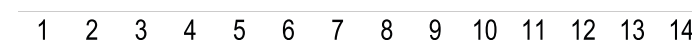
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M



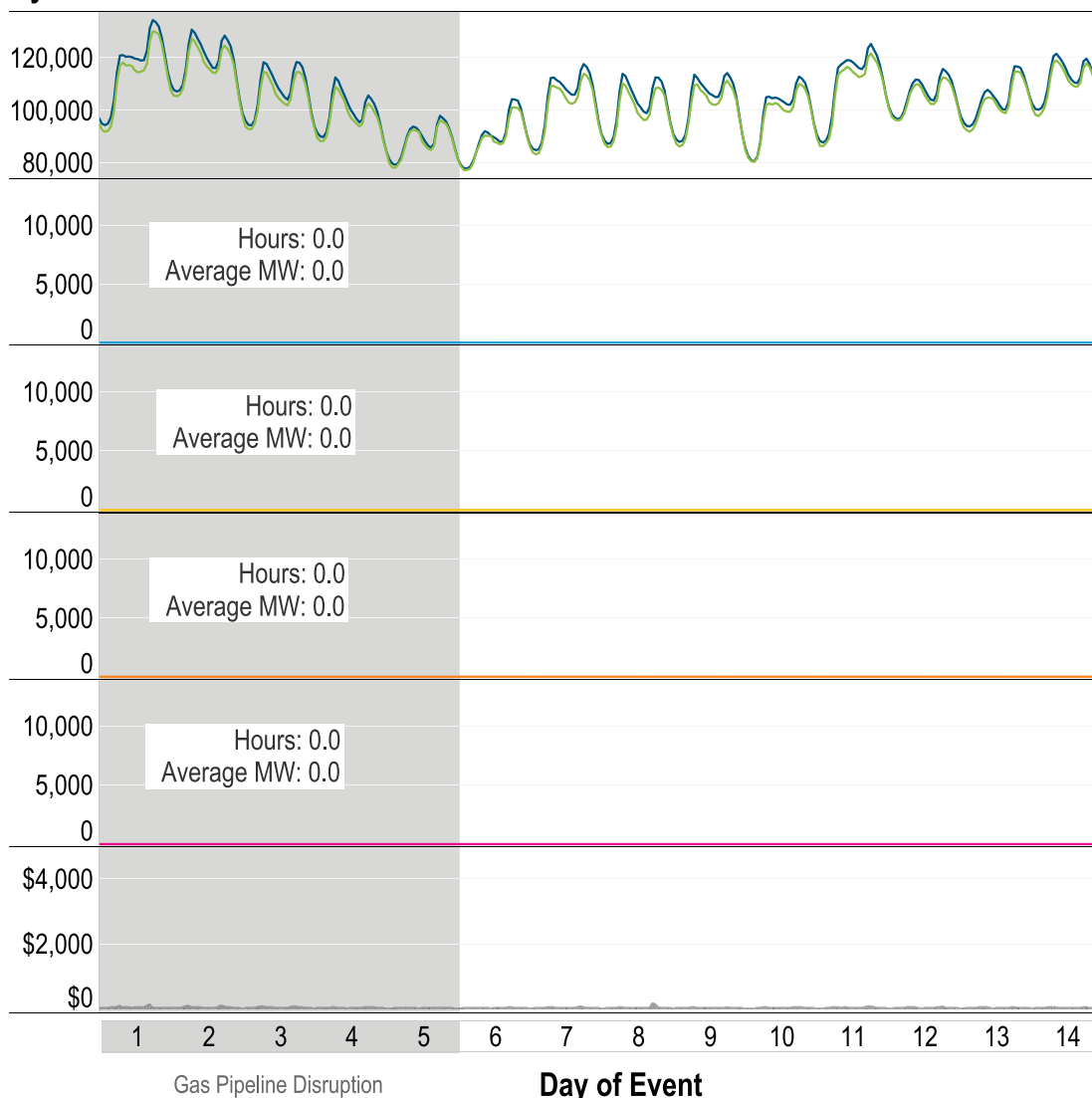
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



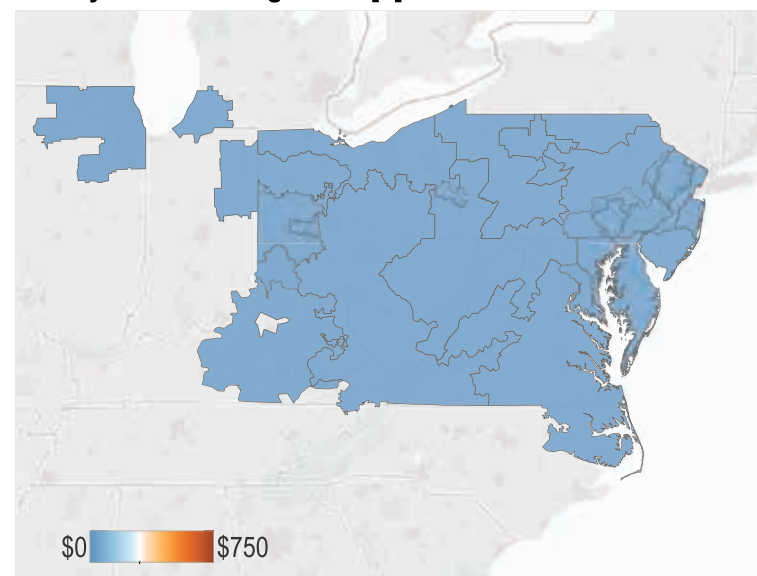
Legend



## Scenario: 8

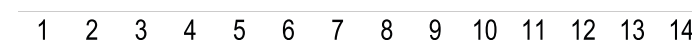
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M

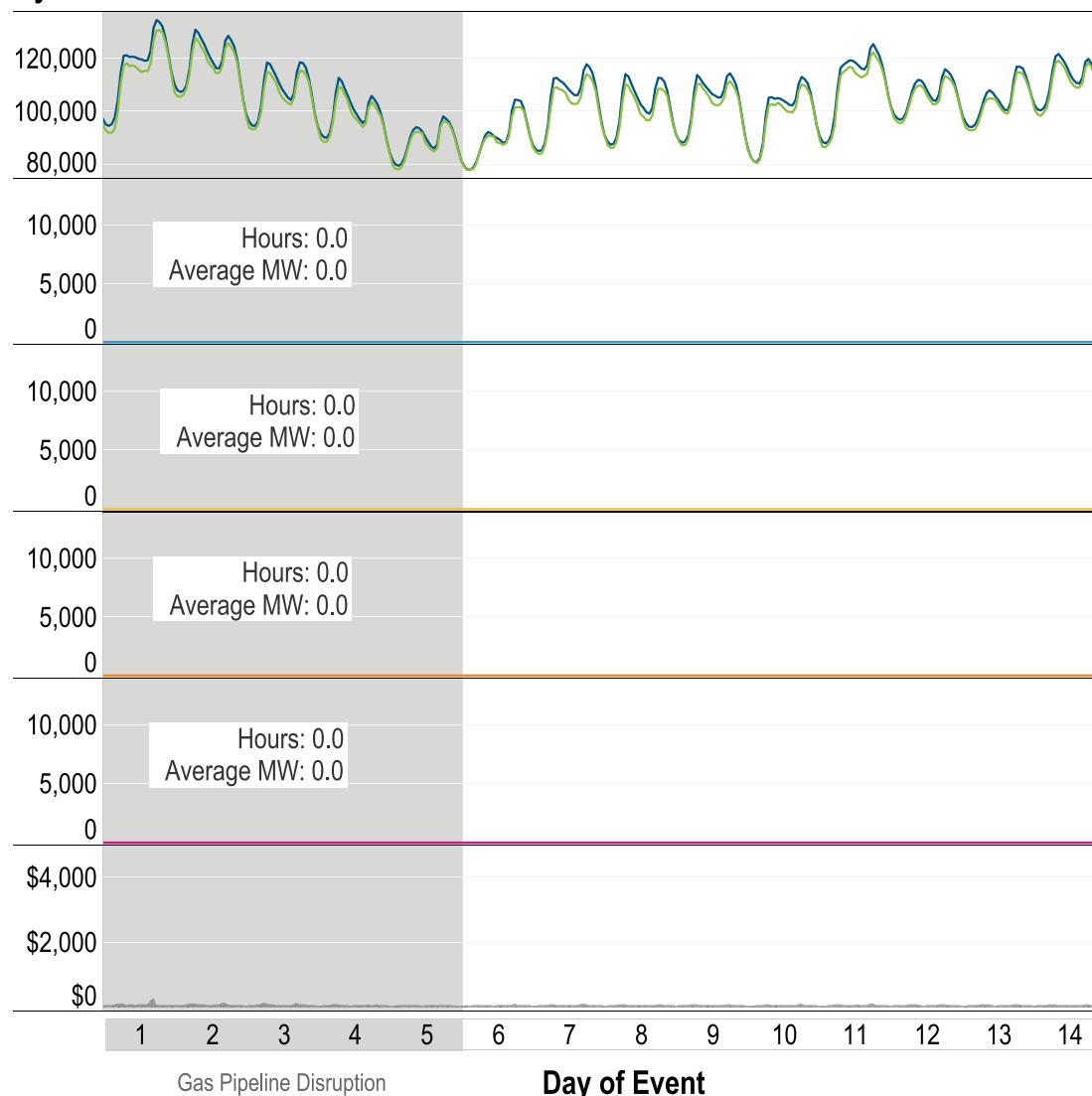


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



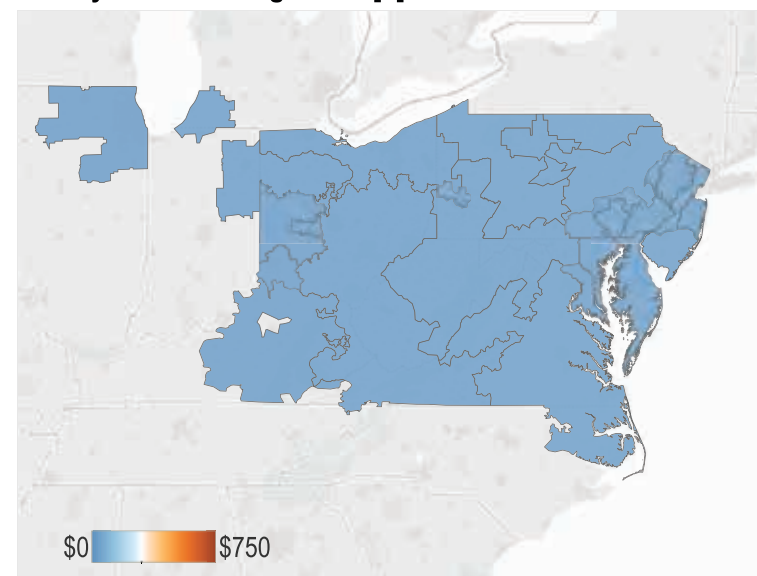
Legend



## Scenario: 9

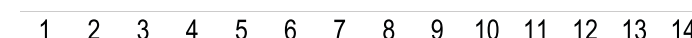
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.25M

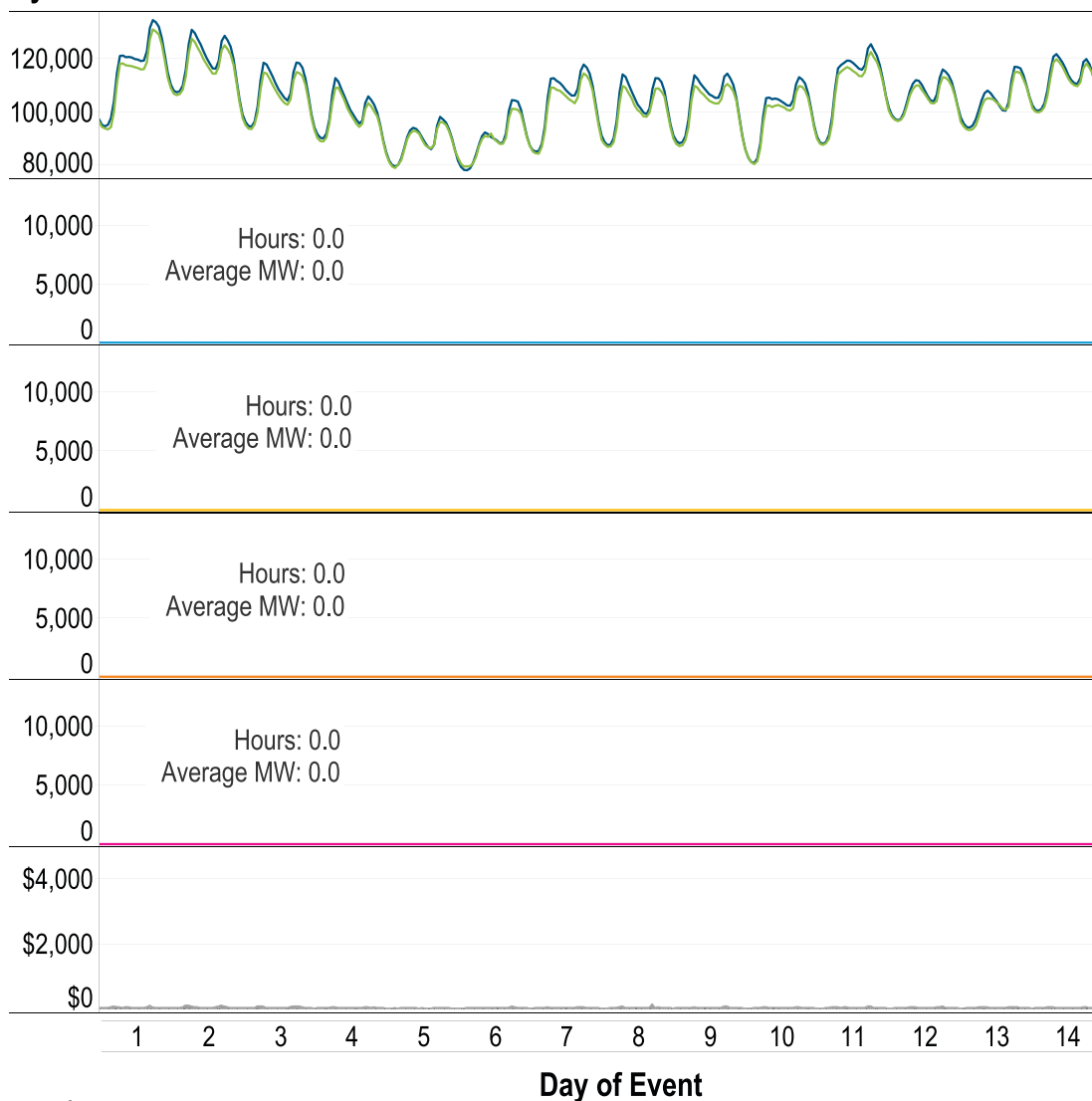


\*141 Total Sites

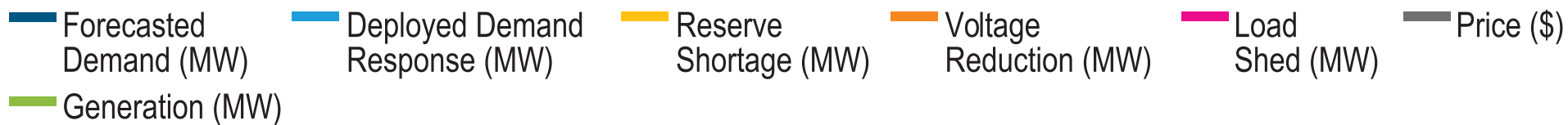
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



Legend



## Scenario: 10

**Load:** Typical

**Refueling:** Limited

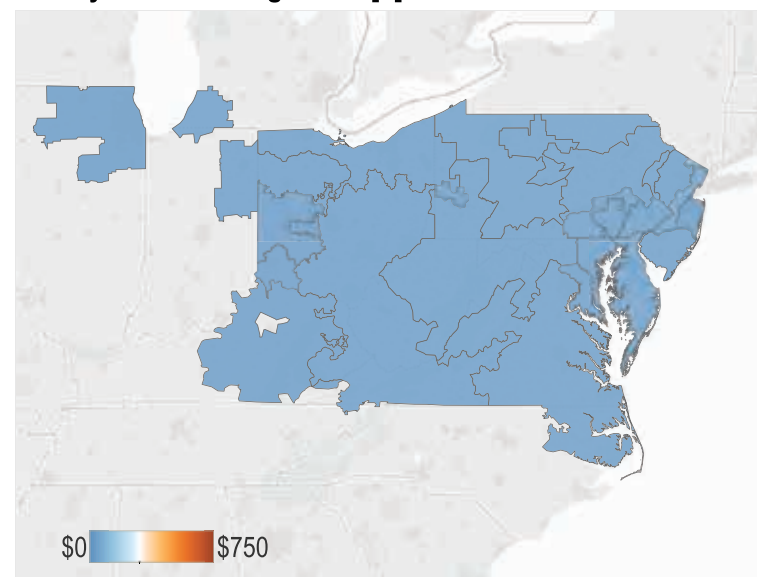
**Disruption:** None

**Non-Firm Avail:** 62.50%

**Retirement:** Announced

**Dispatch:** Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



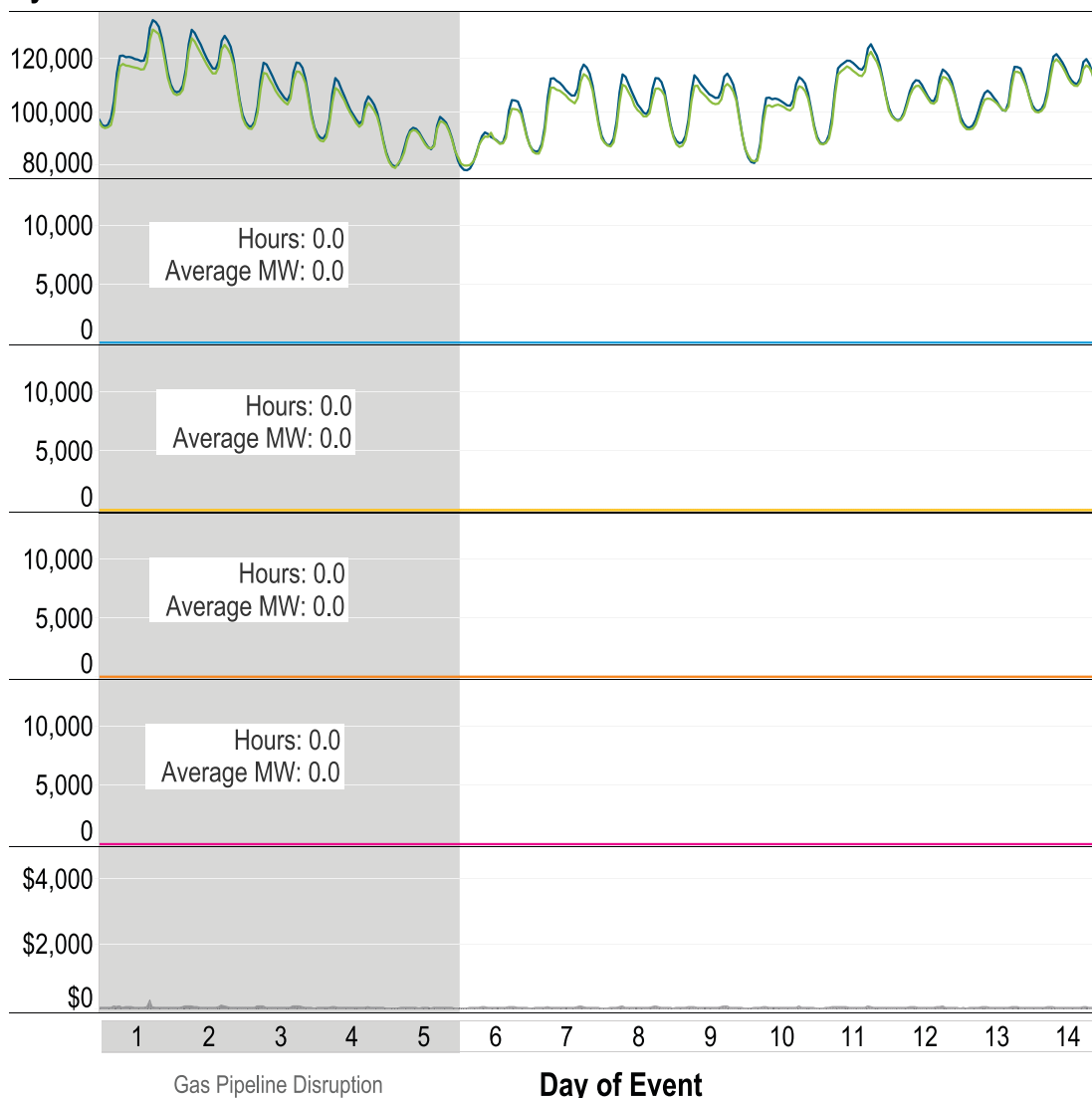
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



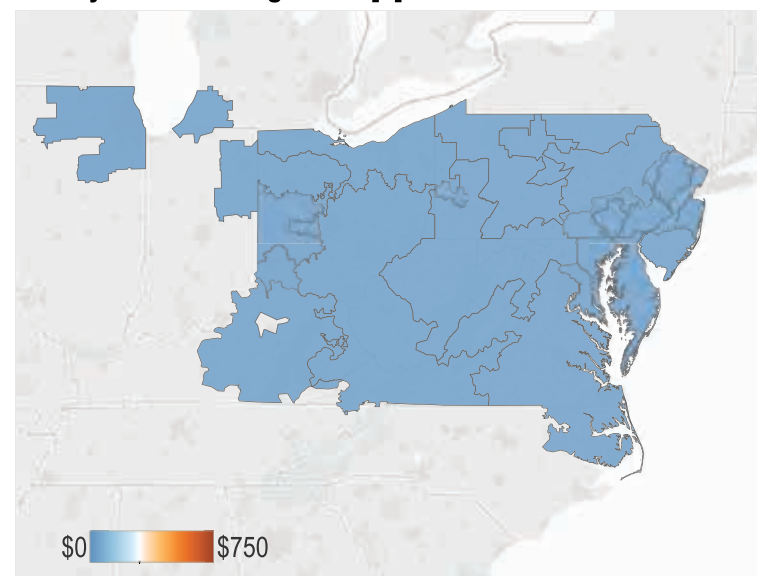
Legend



## Scenario: 11

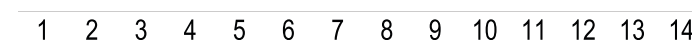
Load:	Typical
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.45M

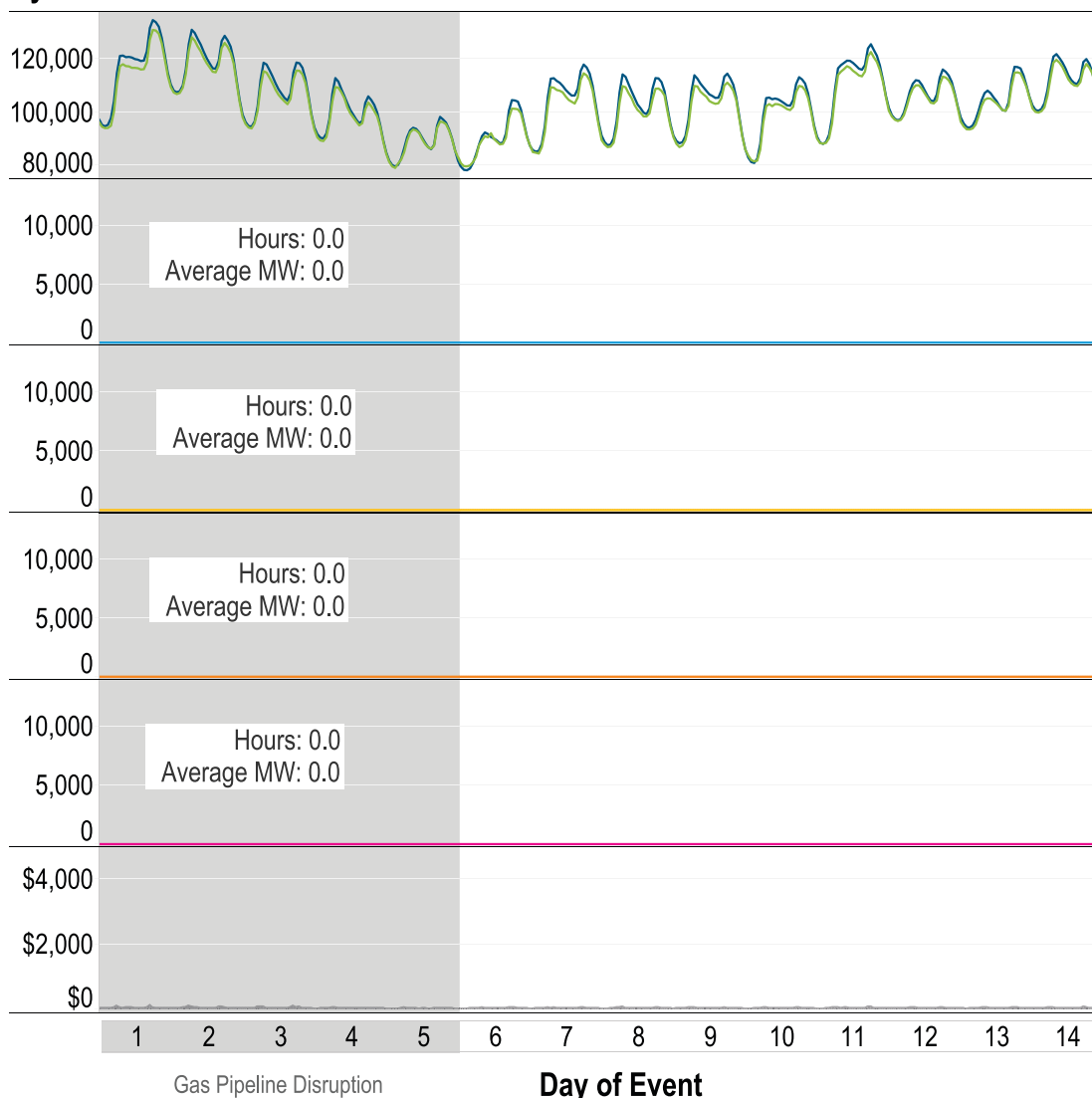


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



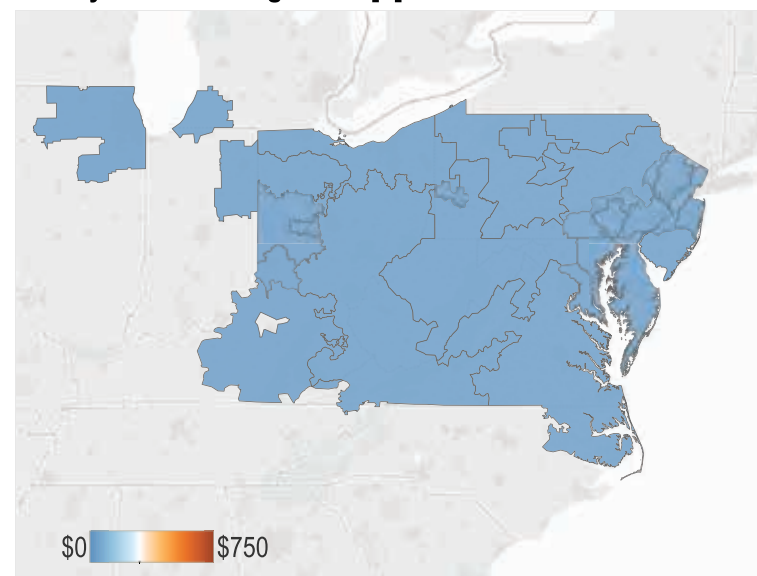
Legend



## Scenario: 12

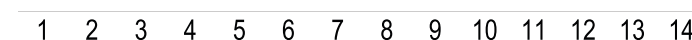
Load:	Typical
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M

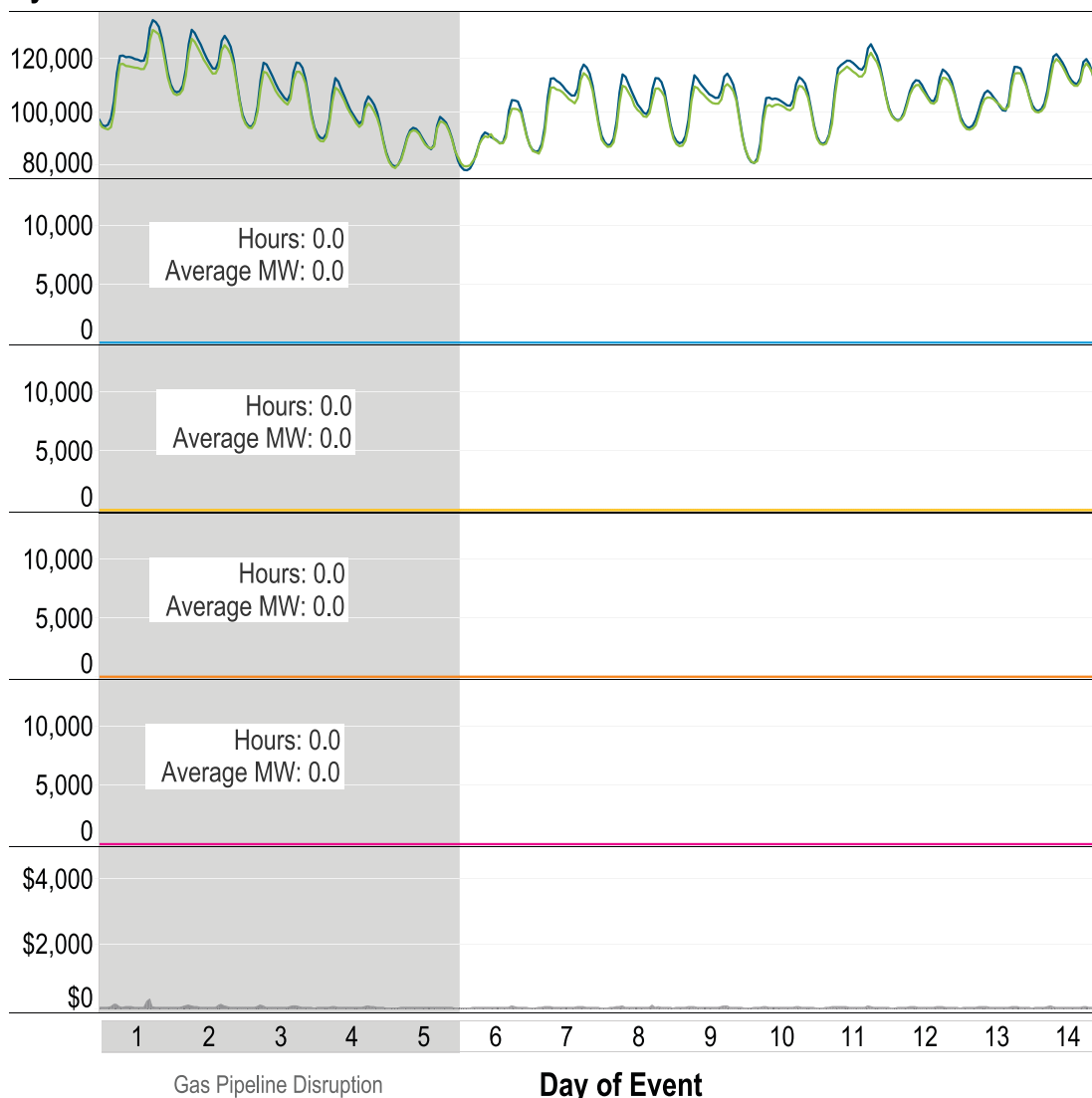


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



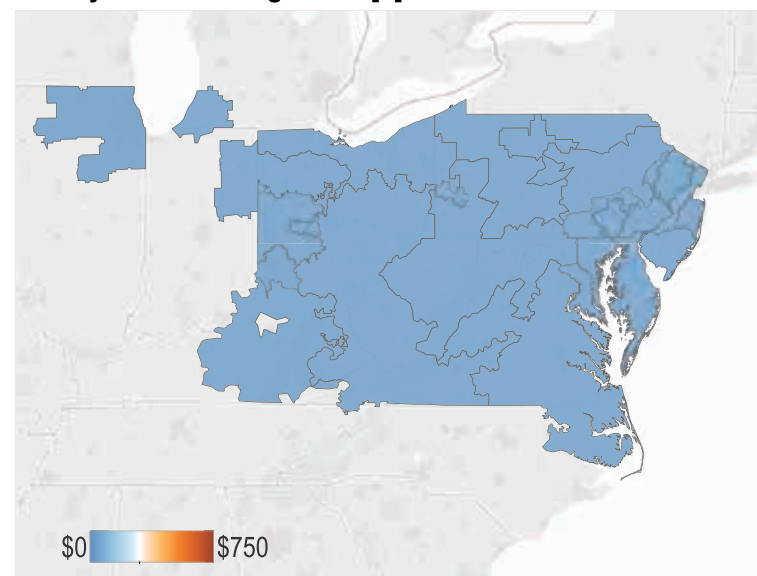
Legend



## Scenario: 13

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M

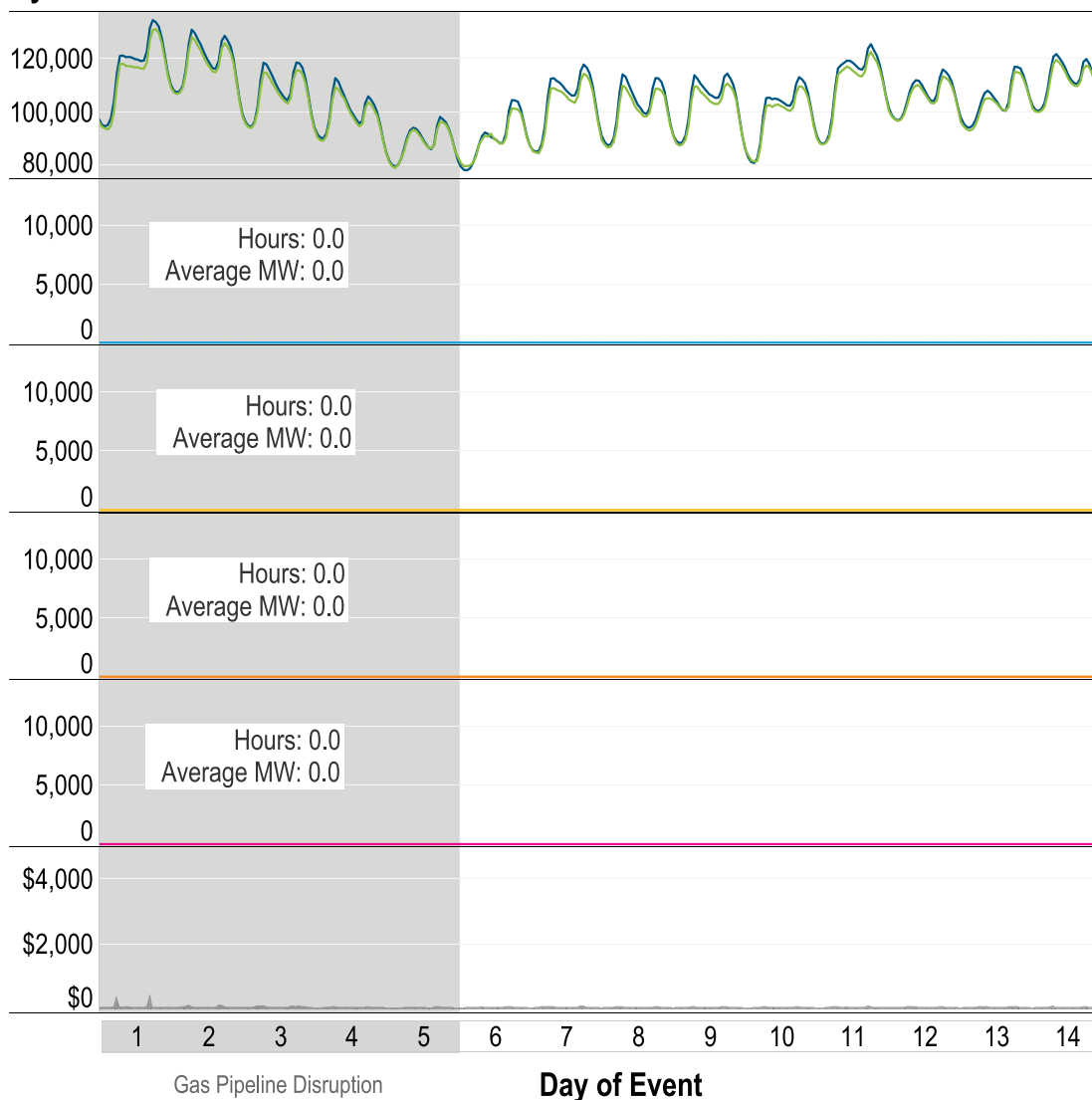


\*141 Total Sites

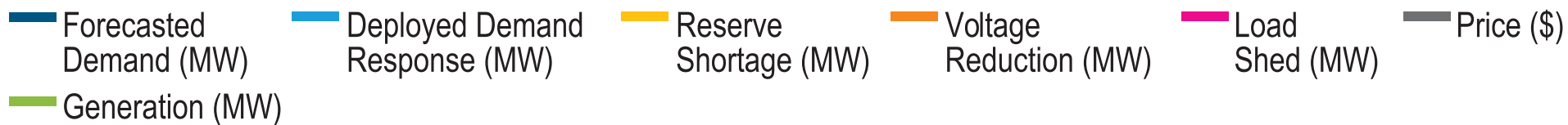
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



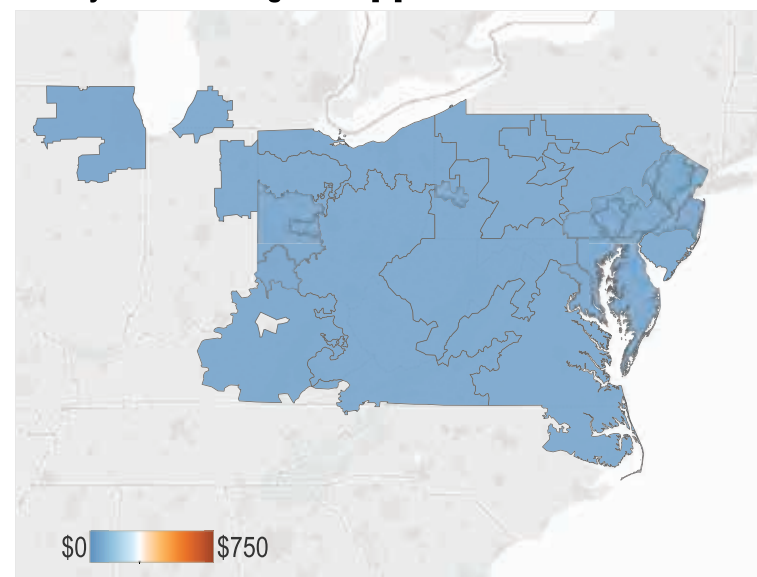
Legend



## Scenario: 14

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



1 2 3 4 5 6 7 8 9 10 11 12 13 14

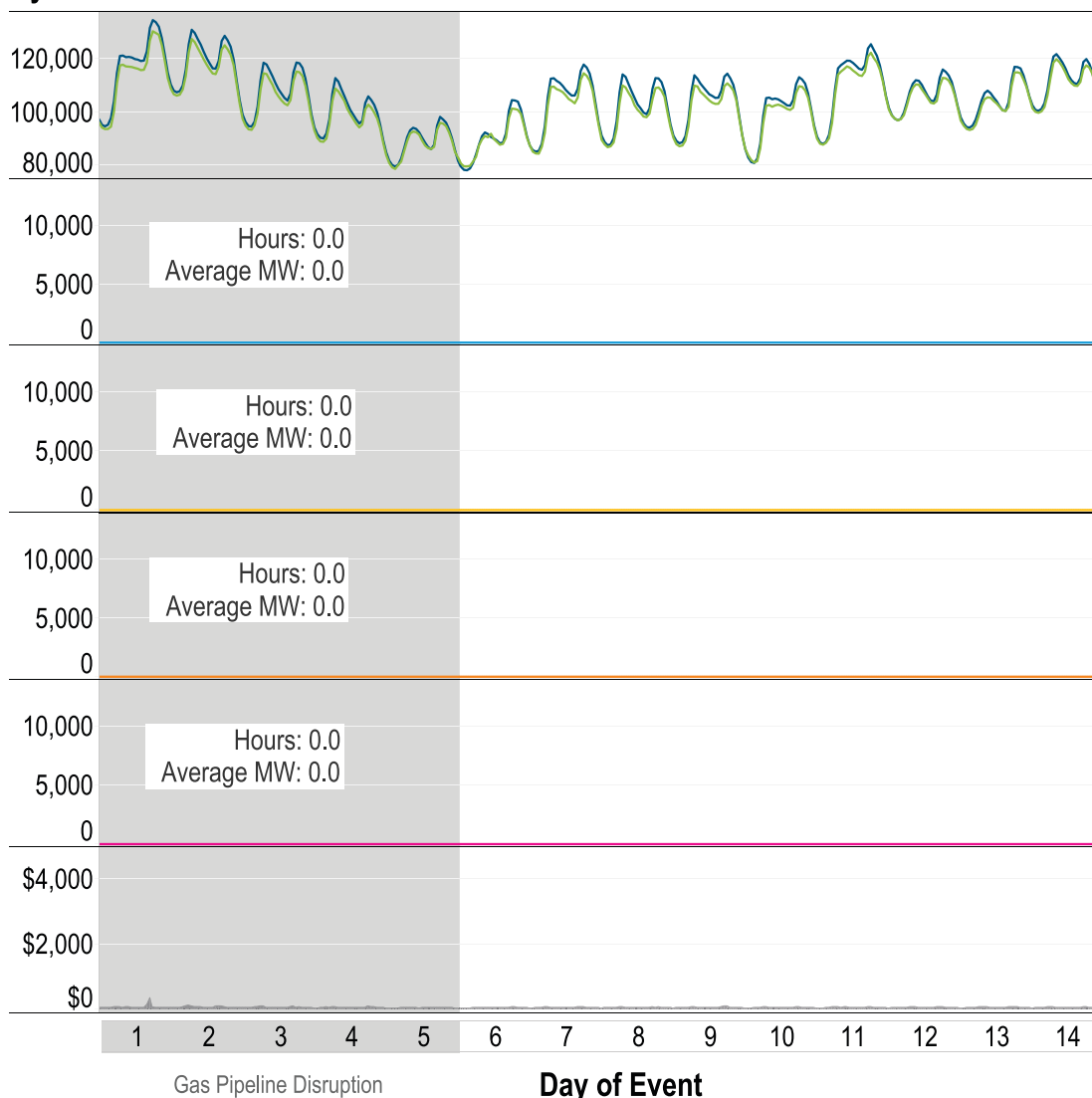
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



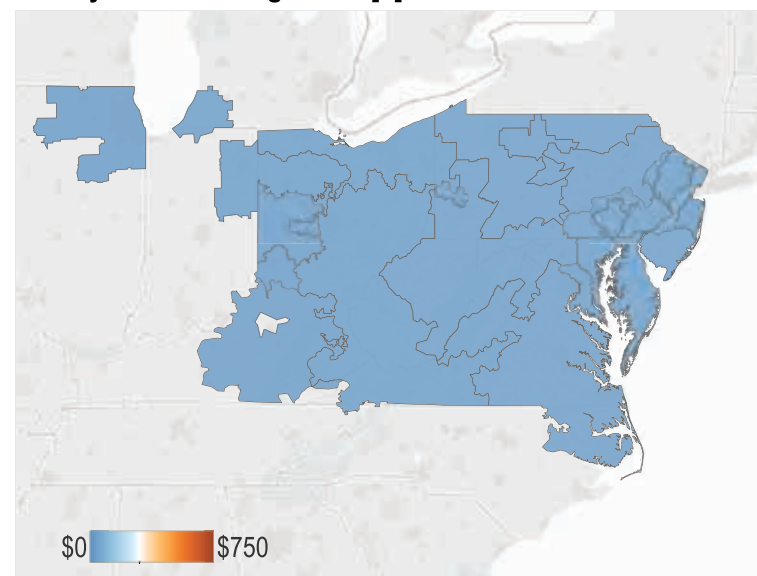
Legend



## Scenario: 15

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



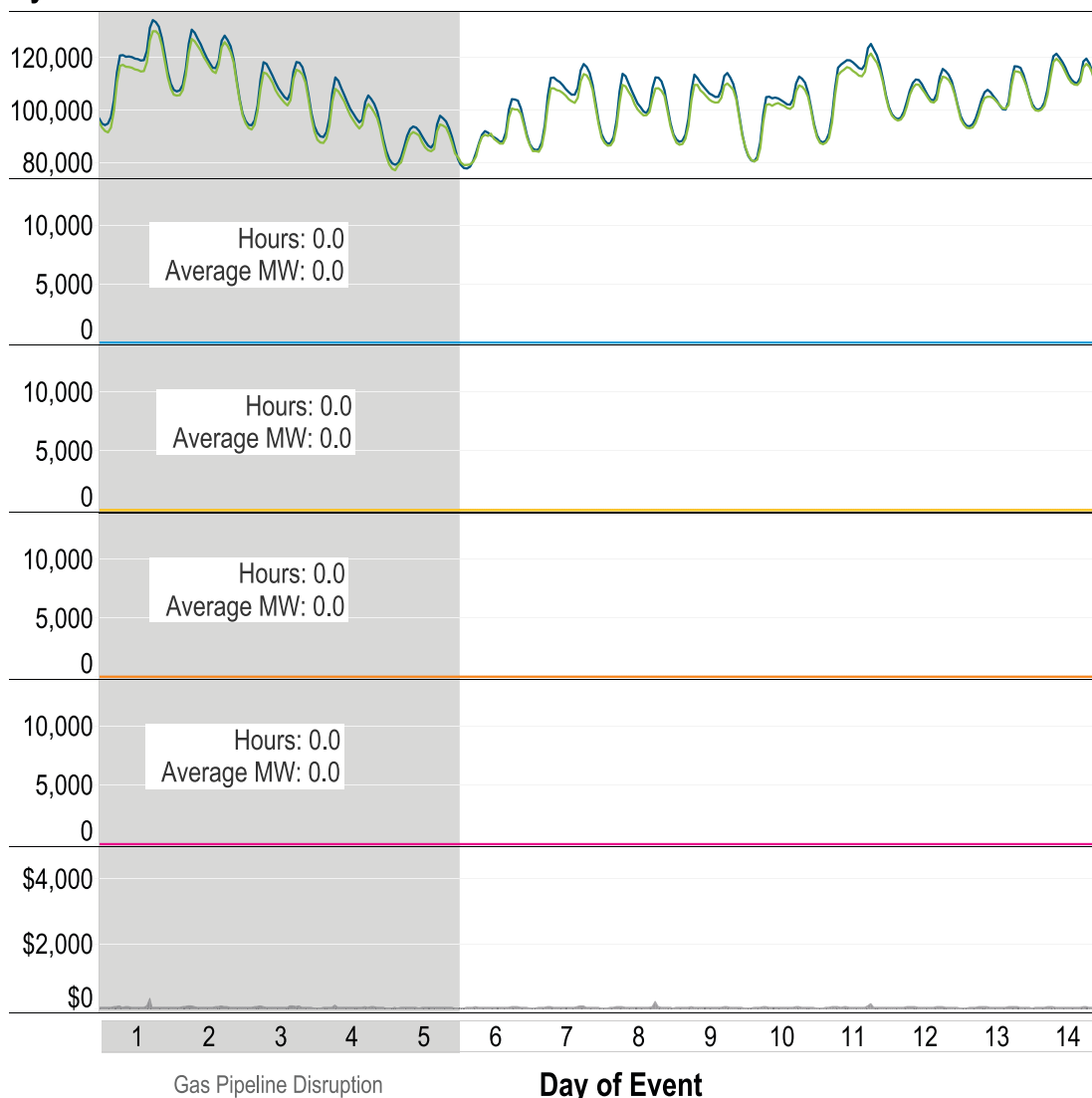
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



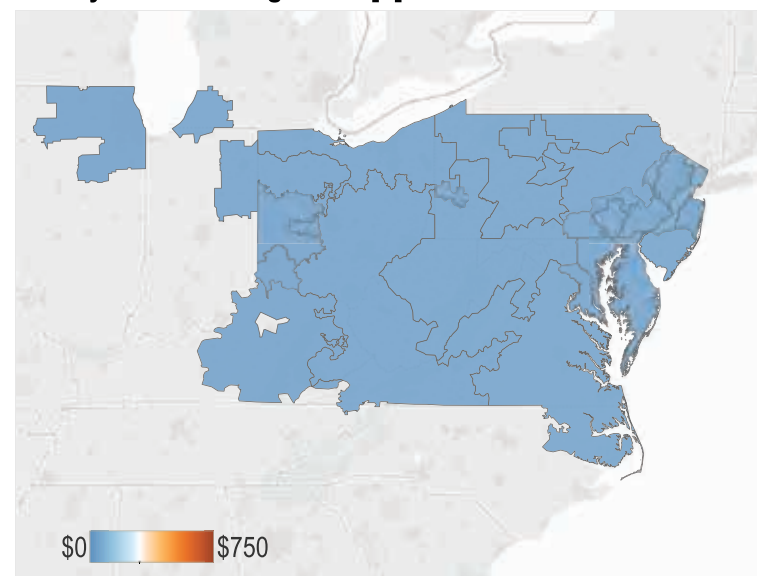
Legend



## Scenario: 16

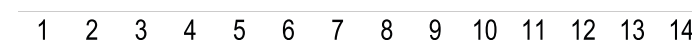
Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.49M

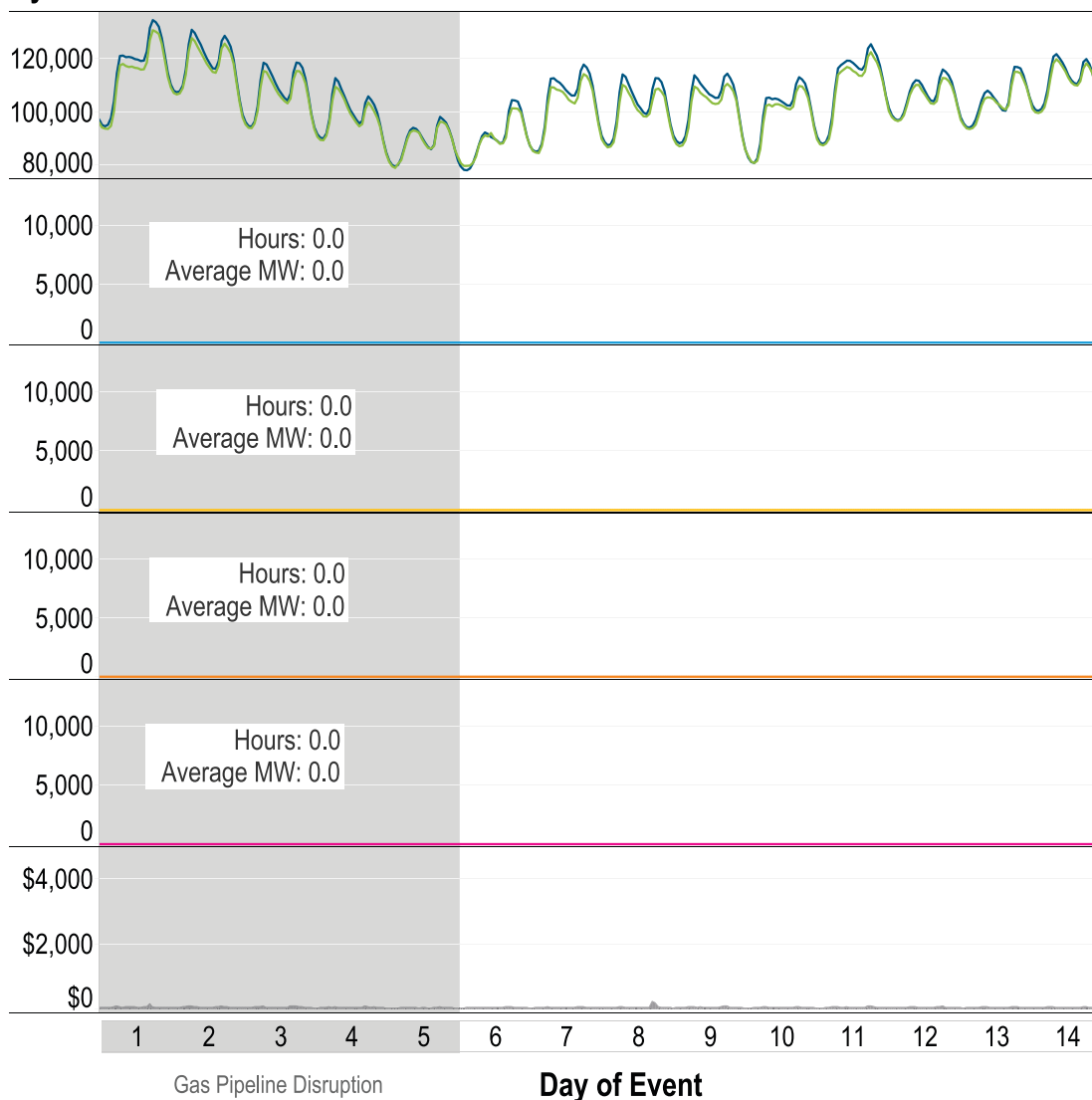


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



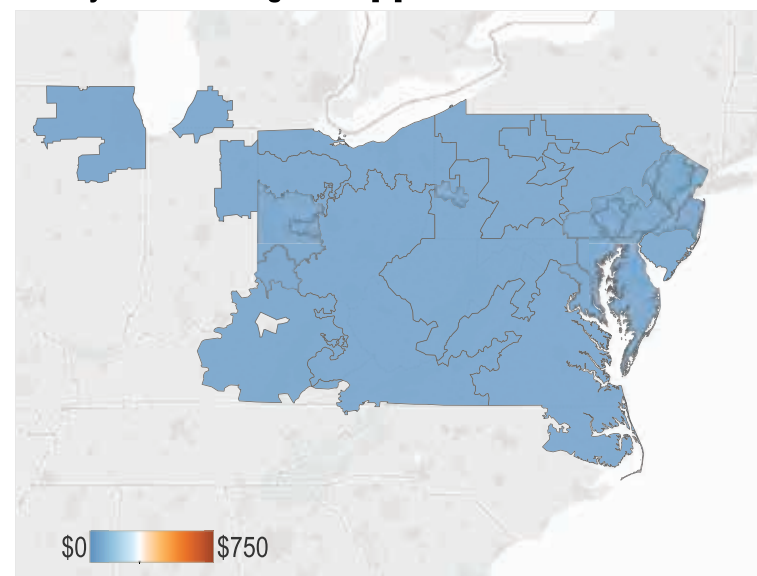
Legend



## Scenario: 17

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



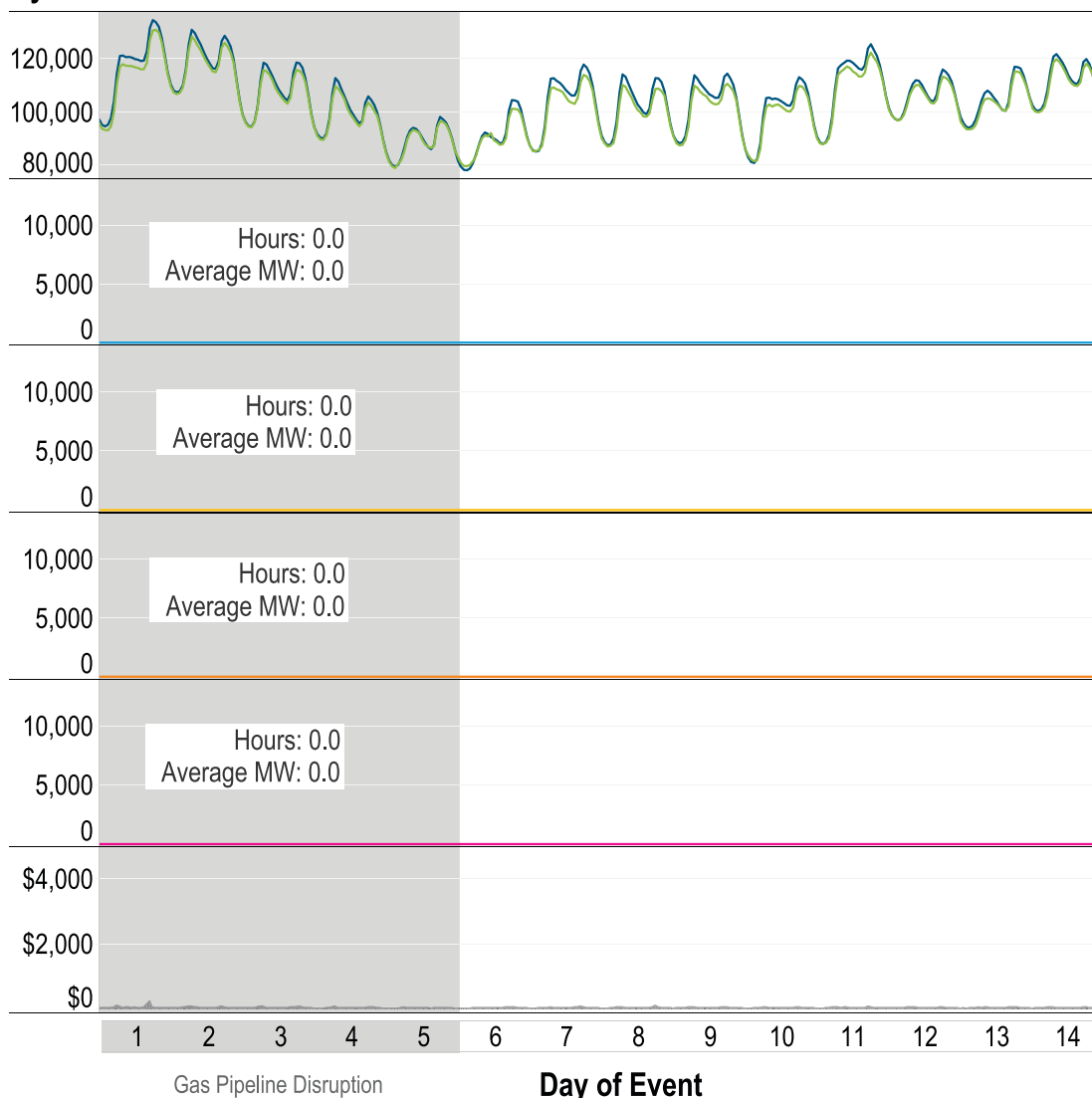
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



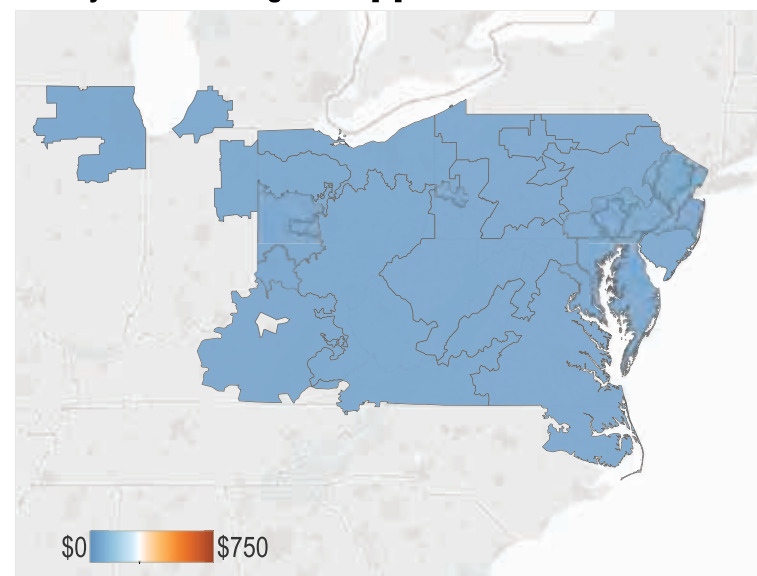
Legend



## Scenario: 18

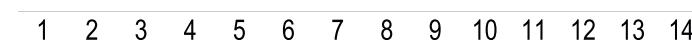
Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M

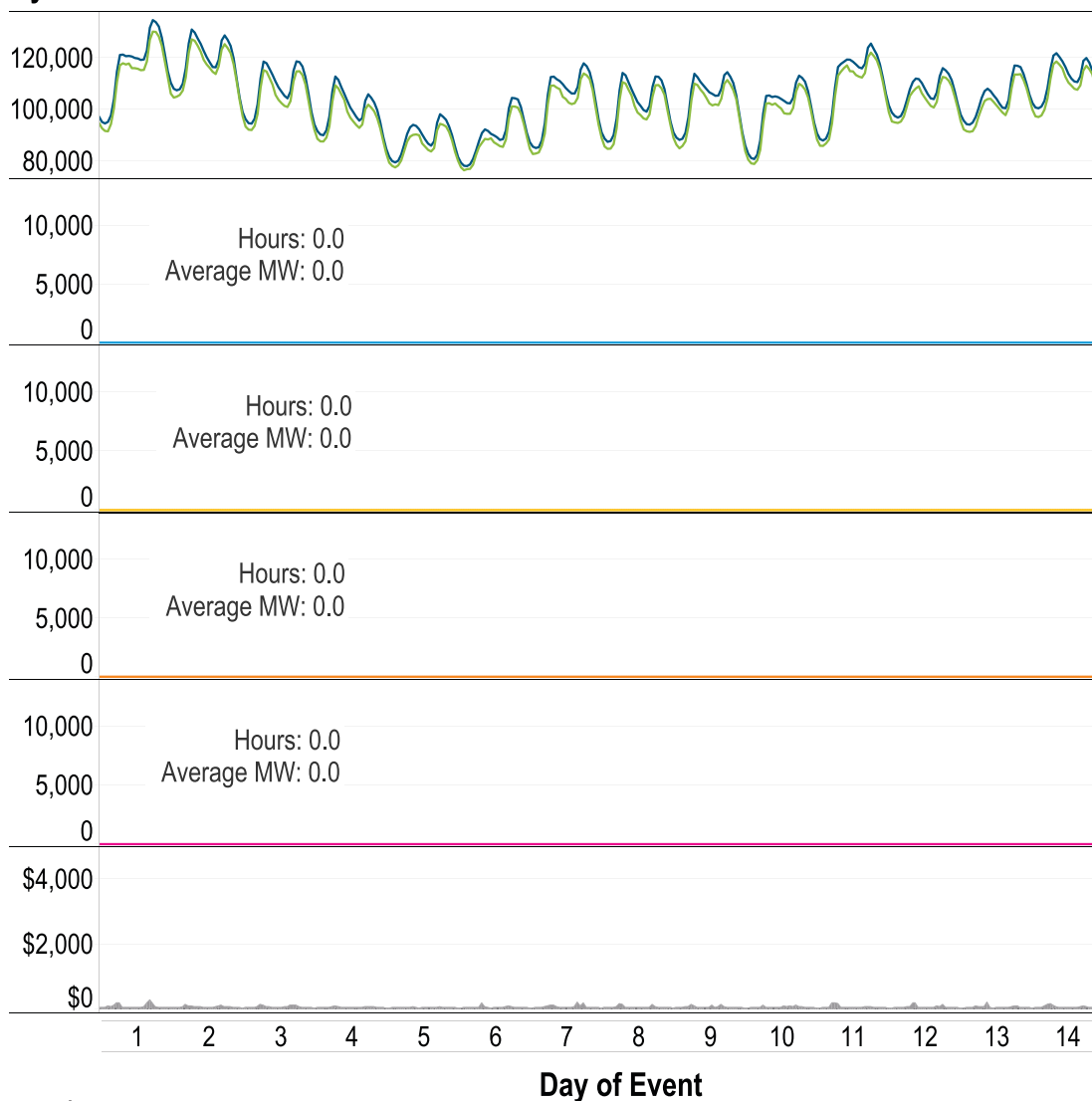


\*141 Total Sites

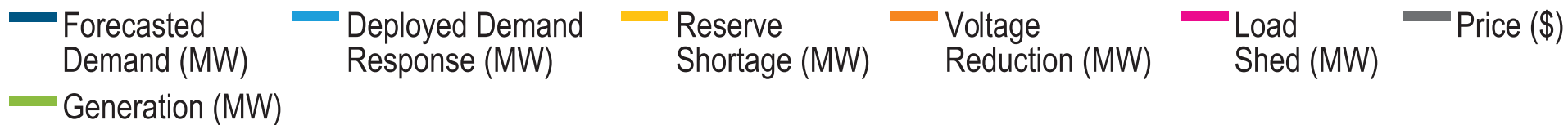
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



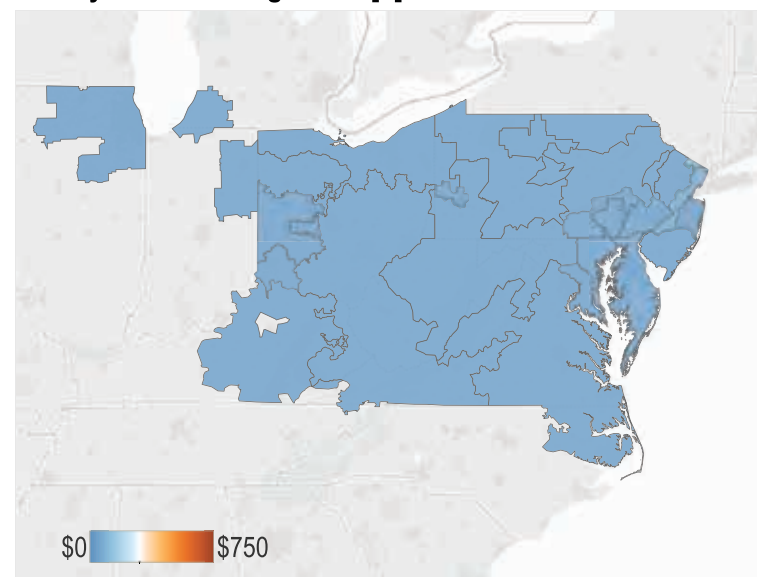
Legend



## Scenario: 19

Load:	Typical
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.67M



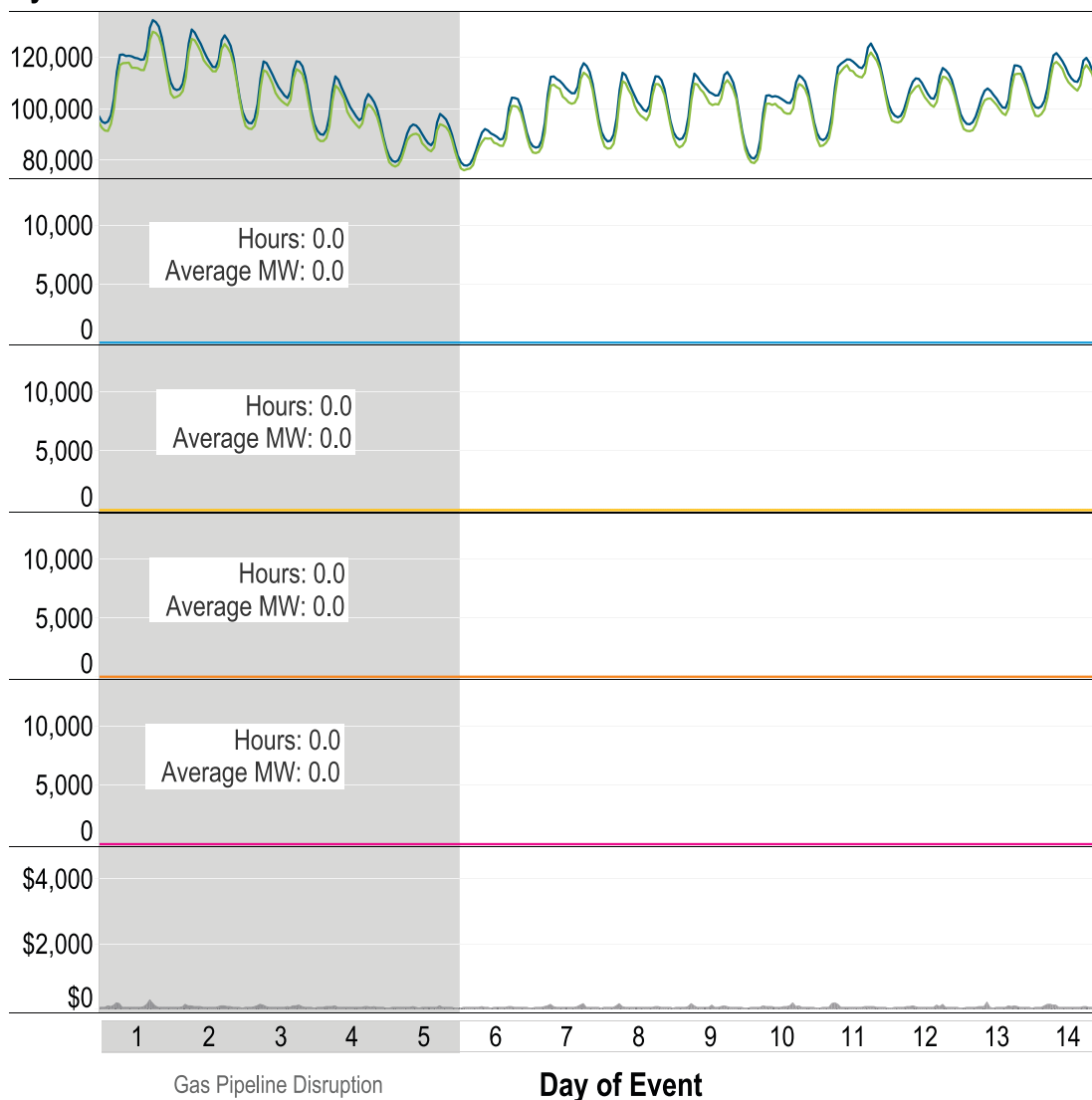
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



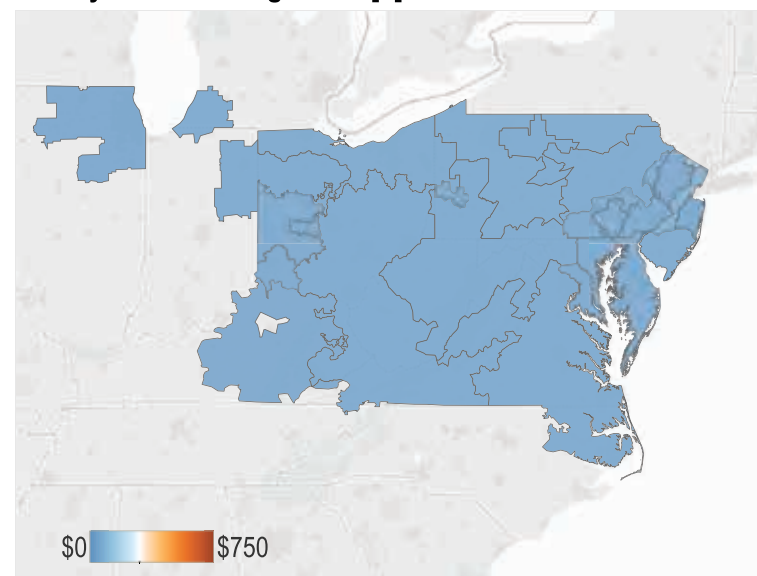
Legend



## Scenario: 20

Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.67M

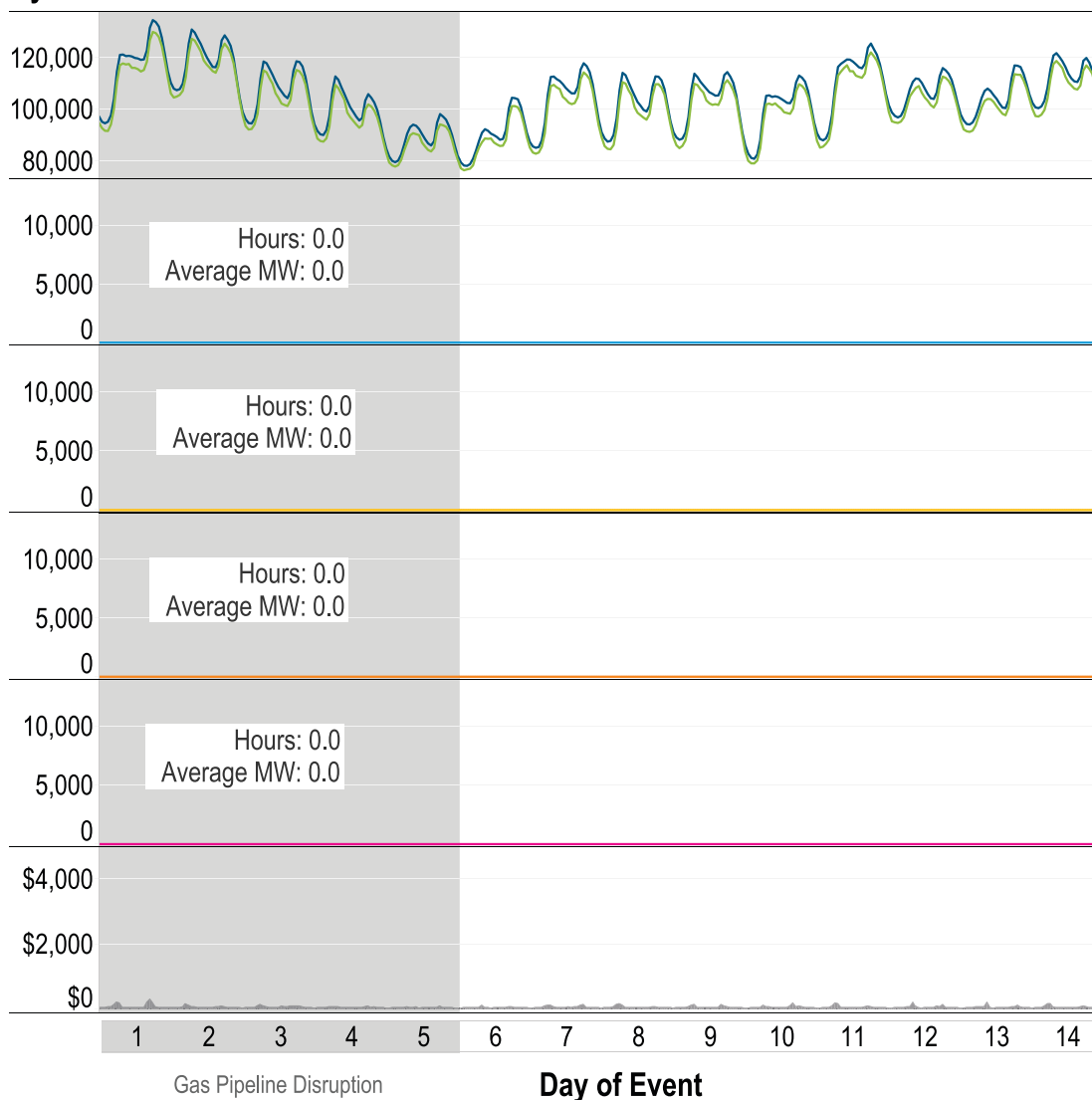


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



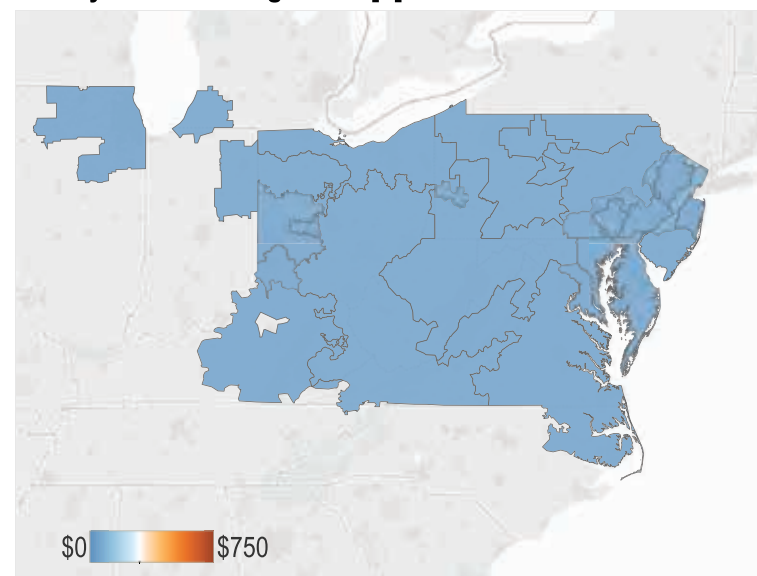
Legend



## Scenario: 21

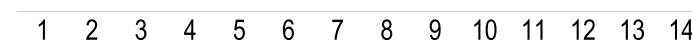
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.67M

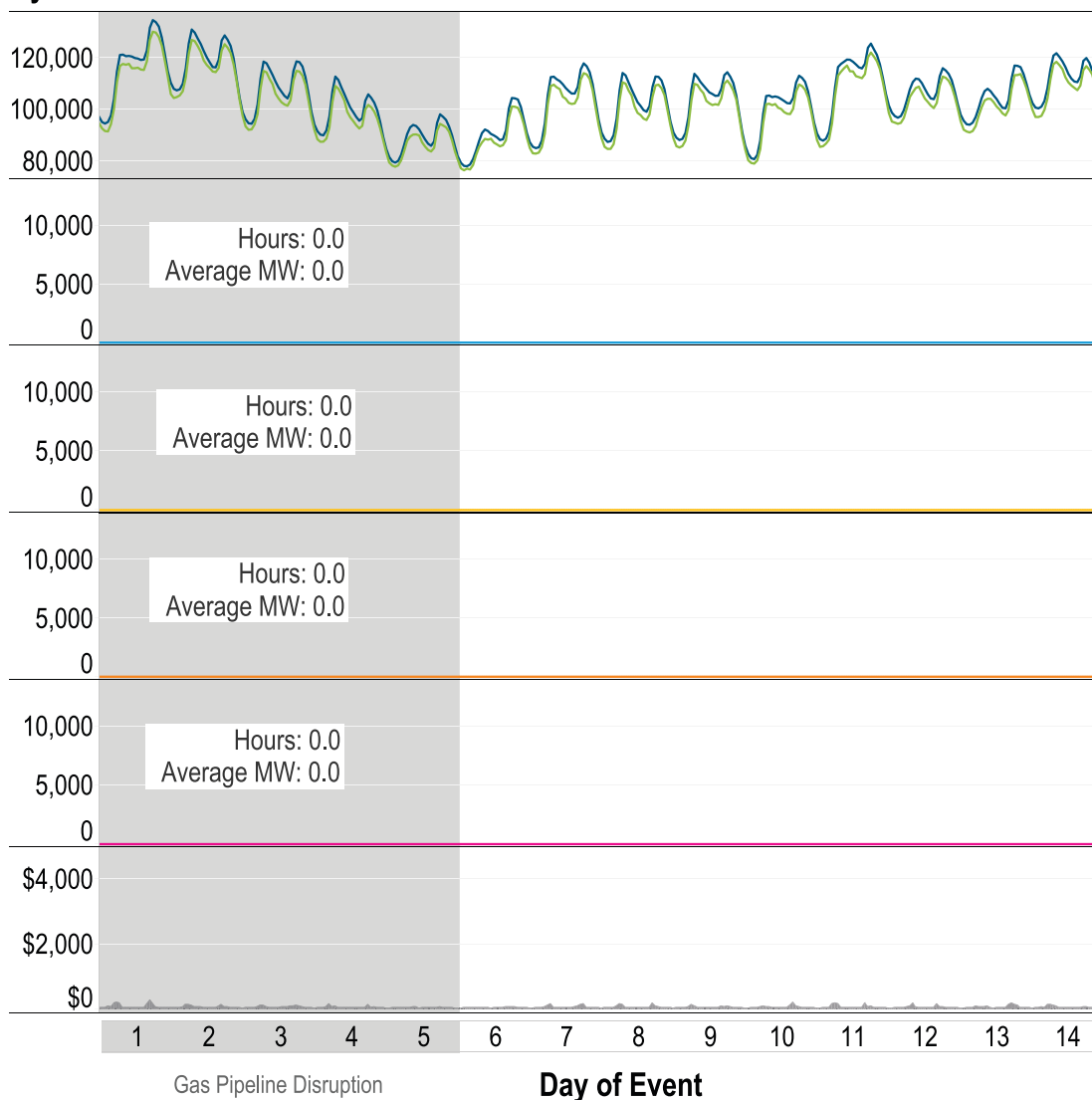


\*141 Total Sites

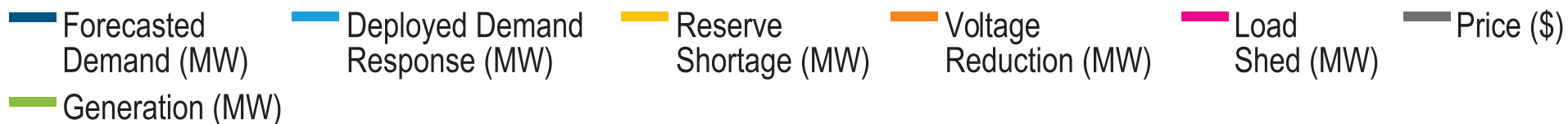
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



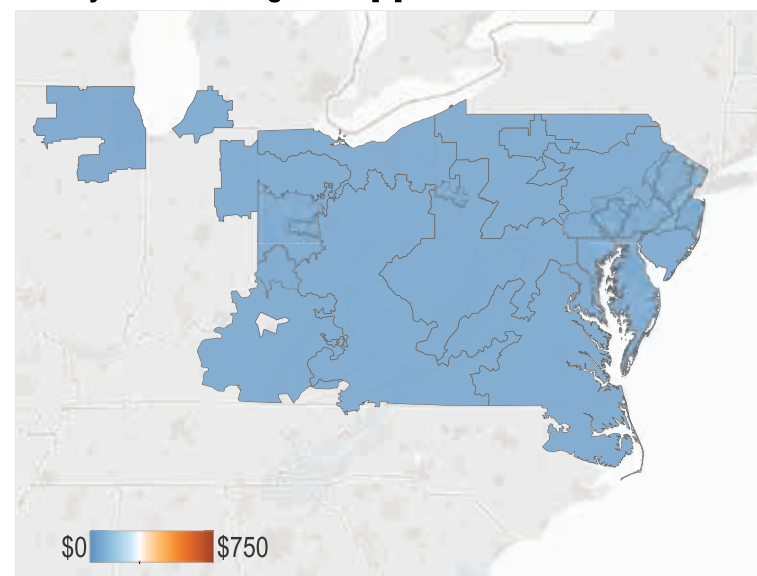
Legend



## Scenario: 22

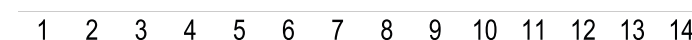
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.67M



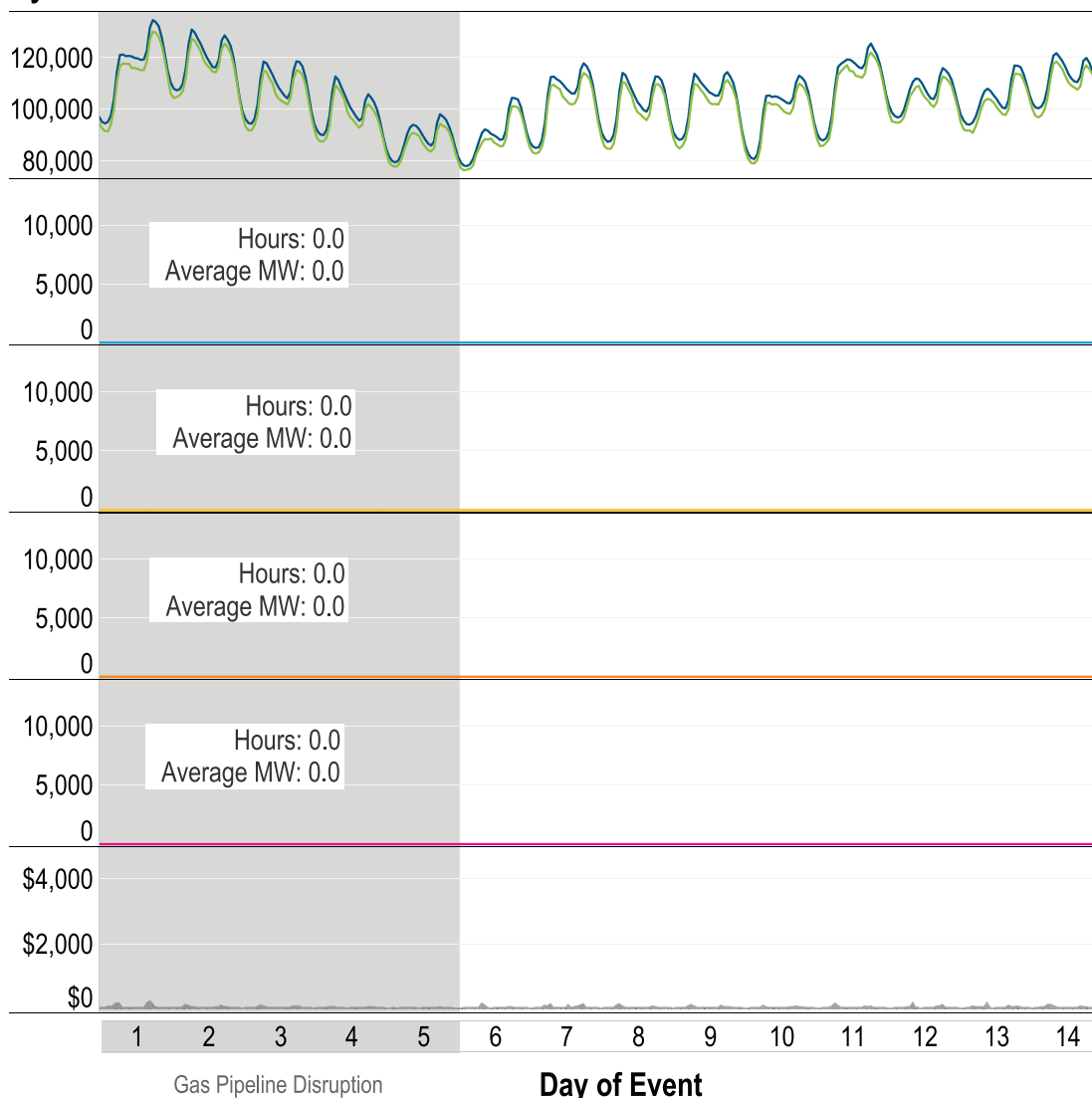
\*141 Total Sites

Day of Event

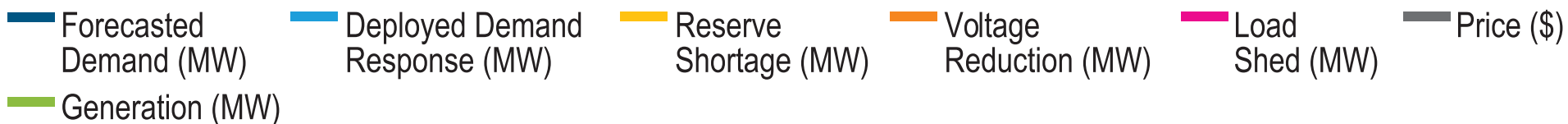
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



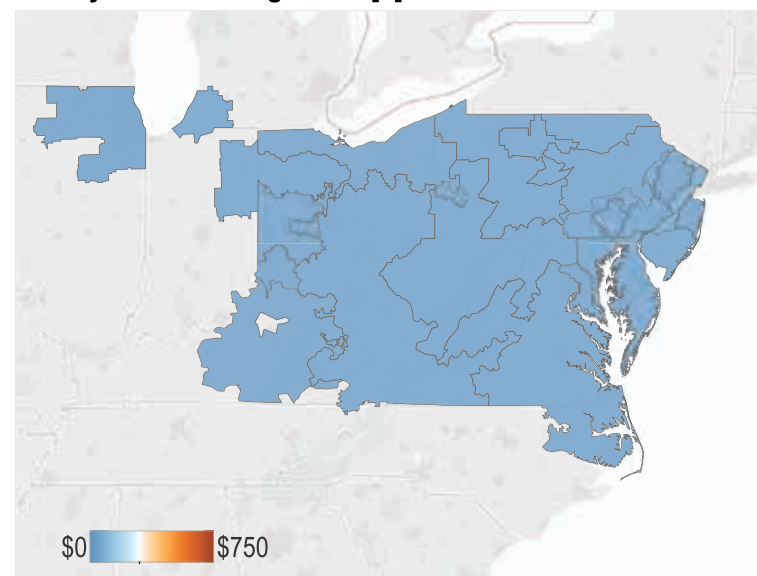
Legend



## Scenario: 23

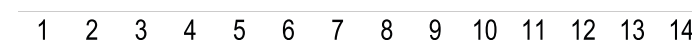
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.68M



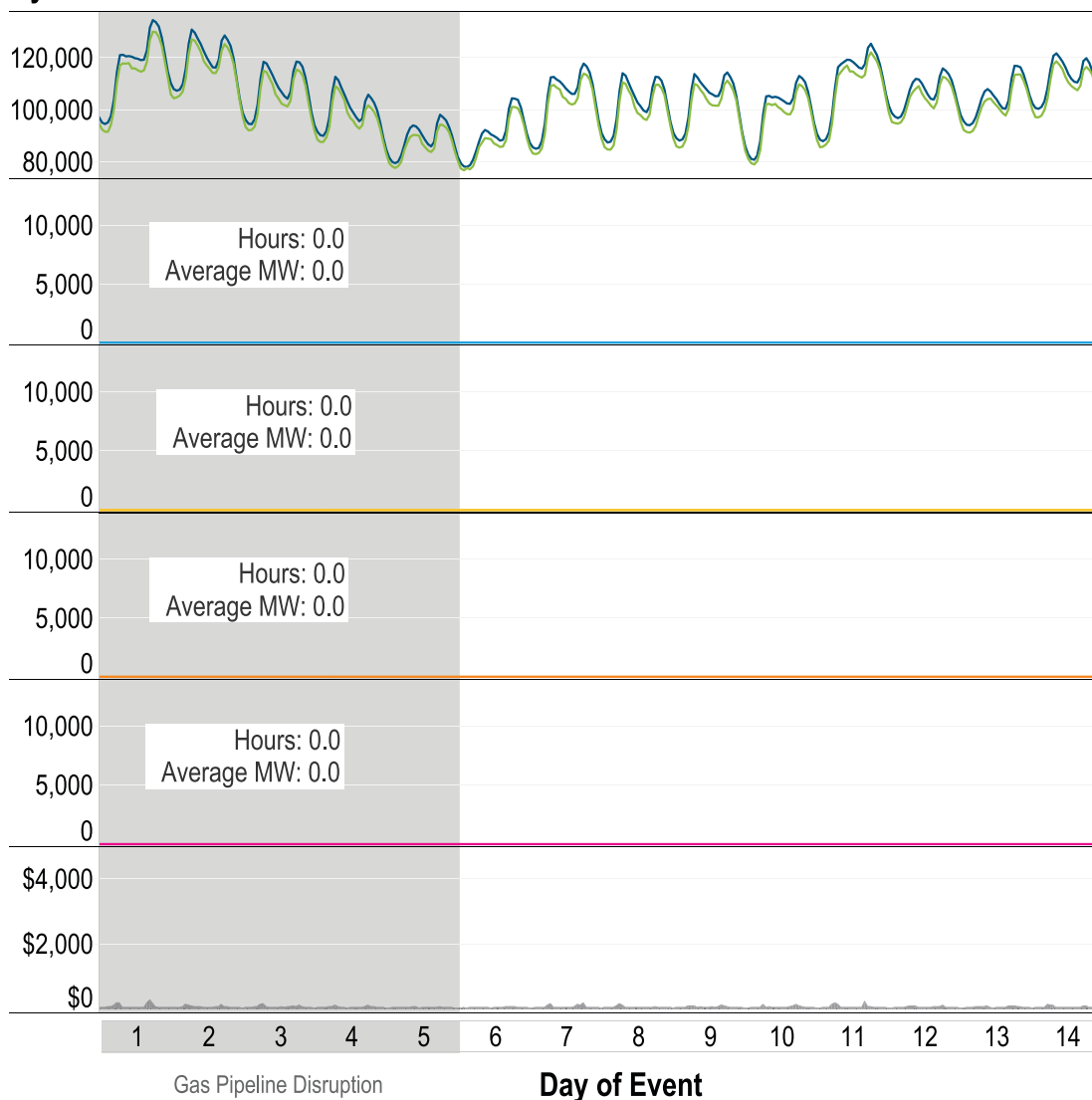
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



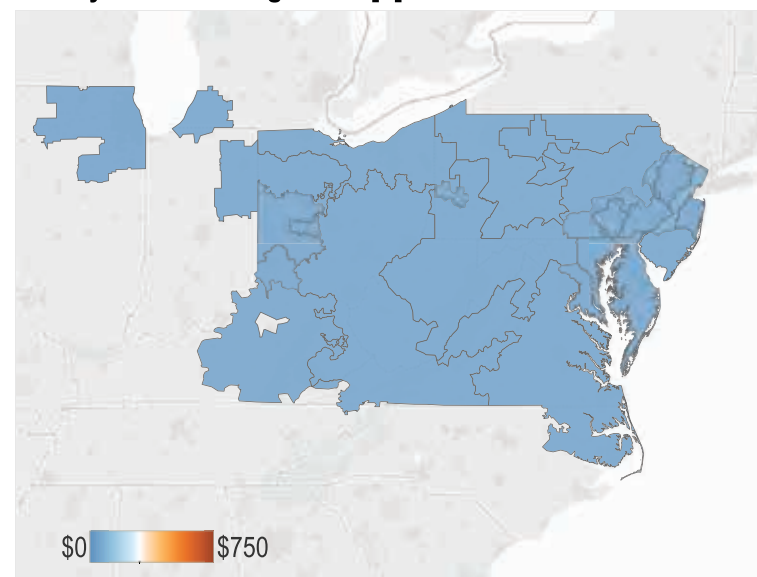
Legend



## Scenario: 24

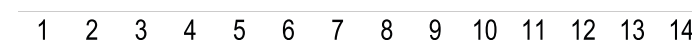
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.67M

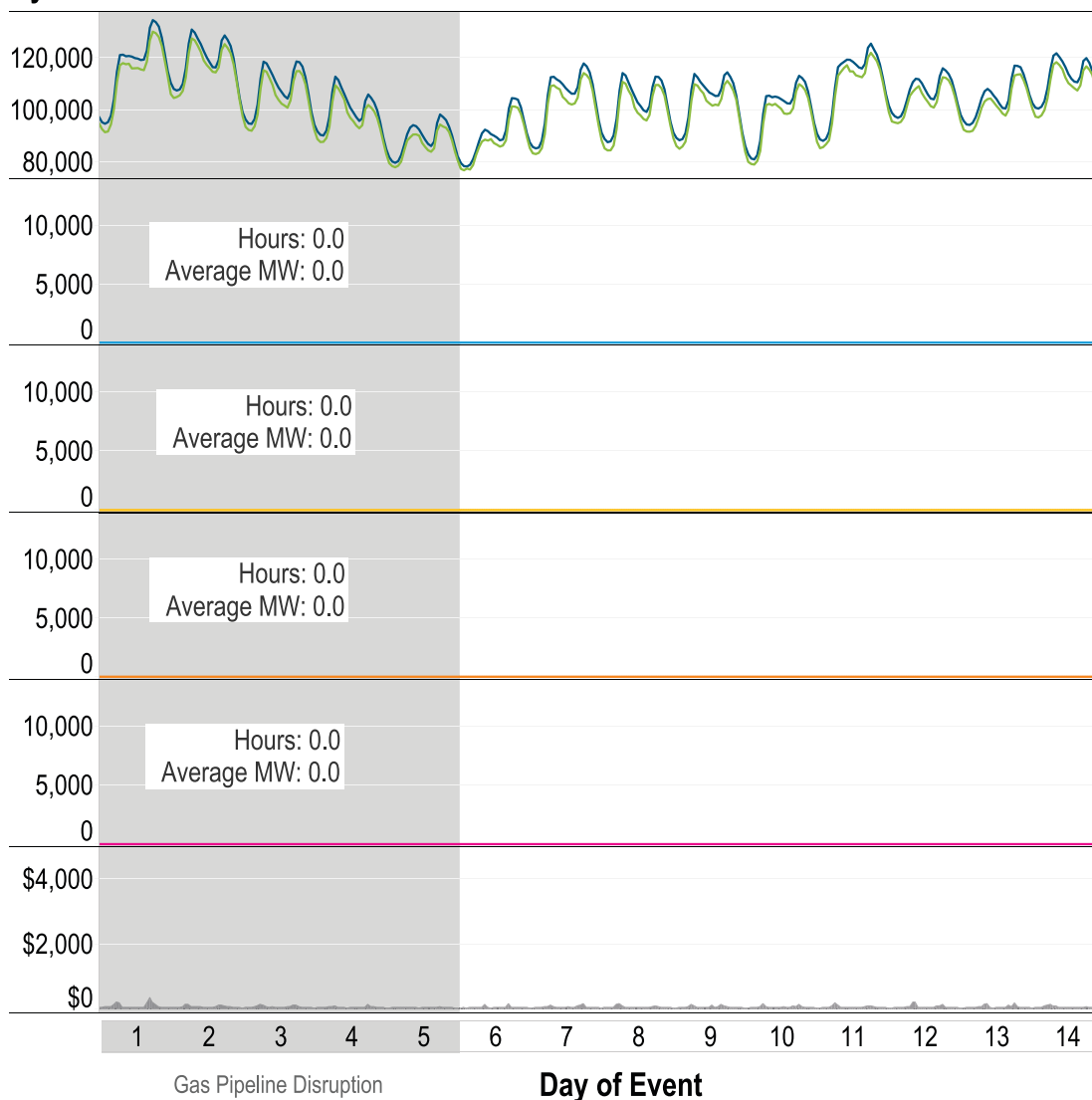


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



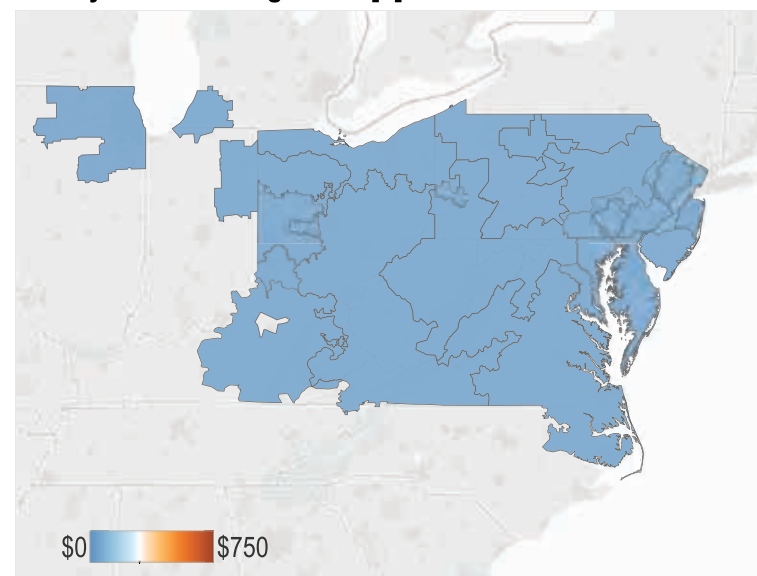
Legend



## Scenario: 25

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.69M

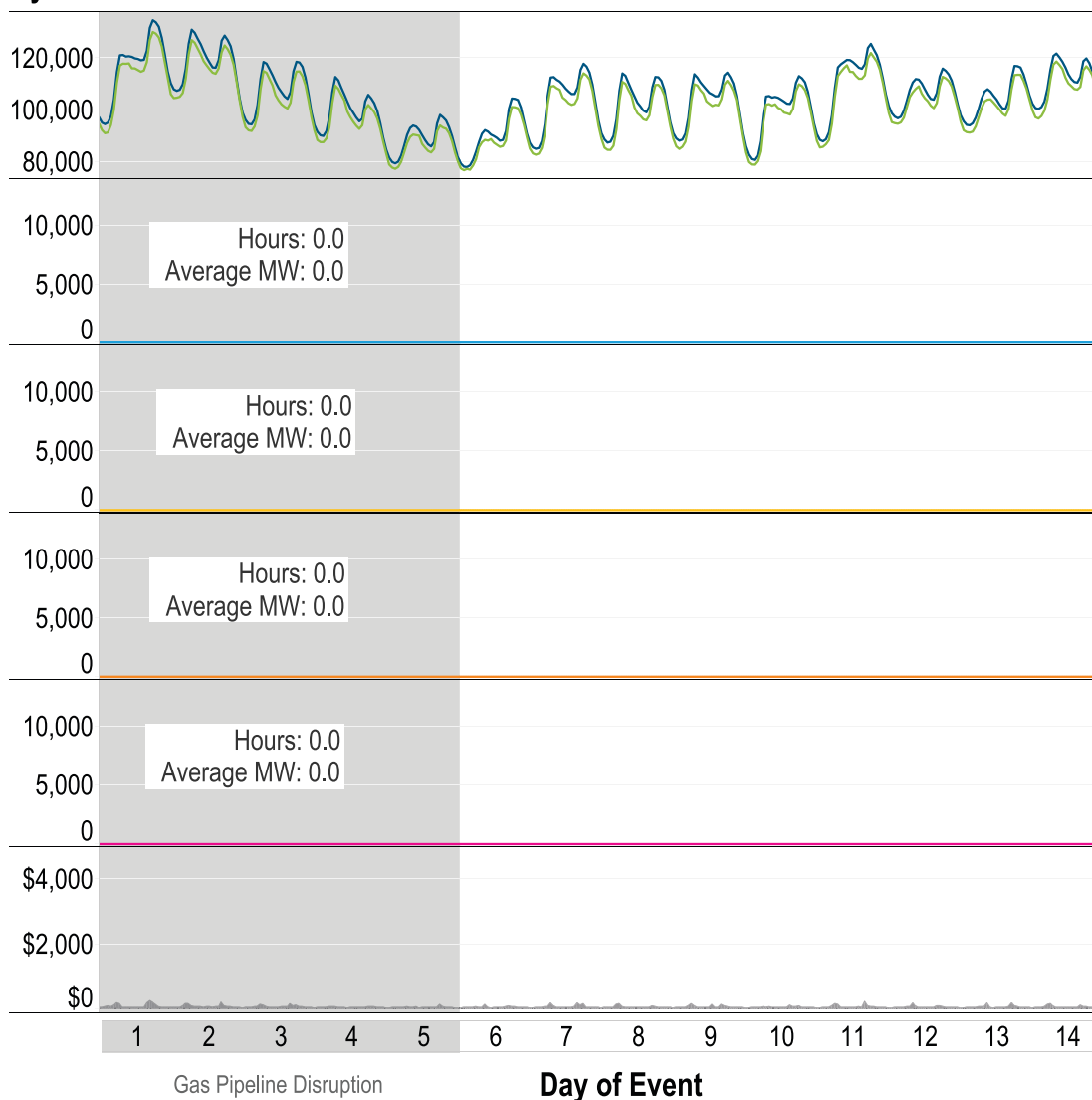


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



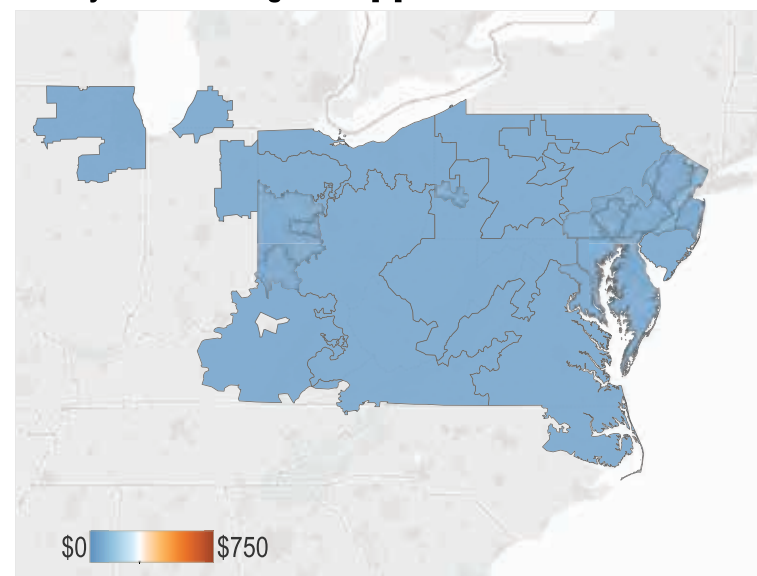
Legend



## Scenario: 26

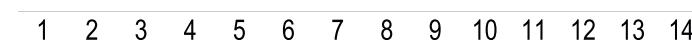
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.66M

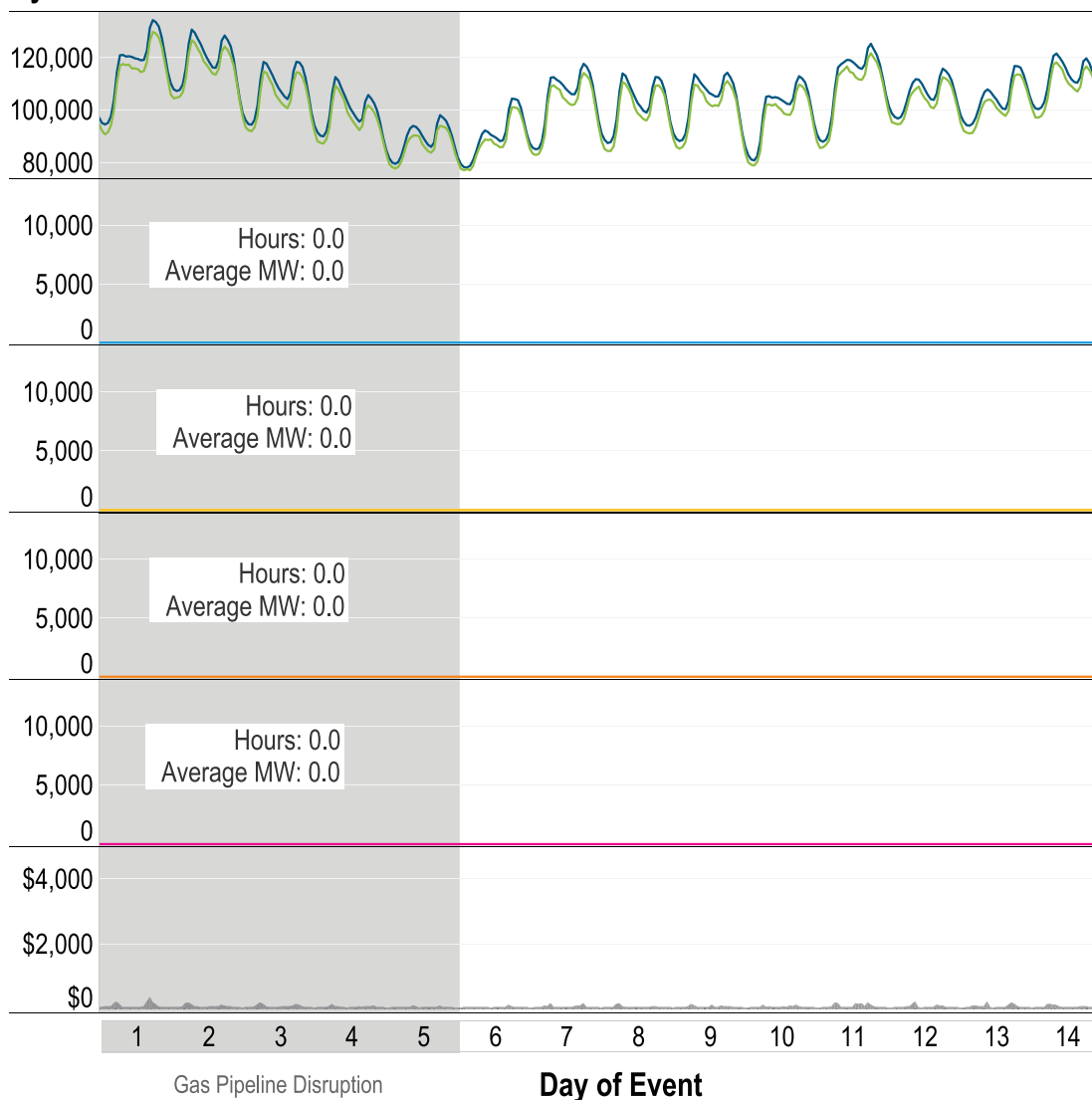


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



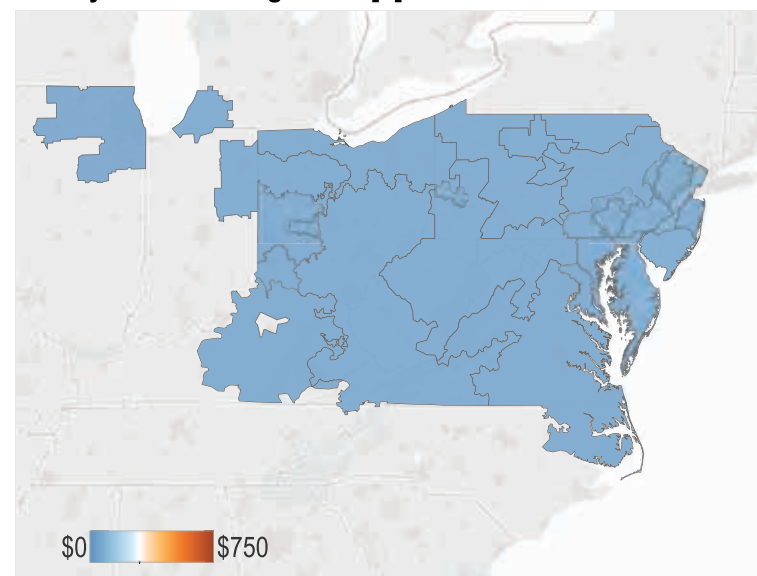
Legend



## Scenario: 27

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.70M



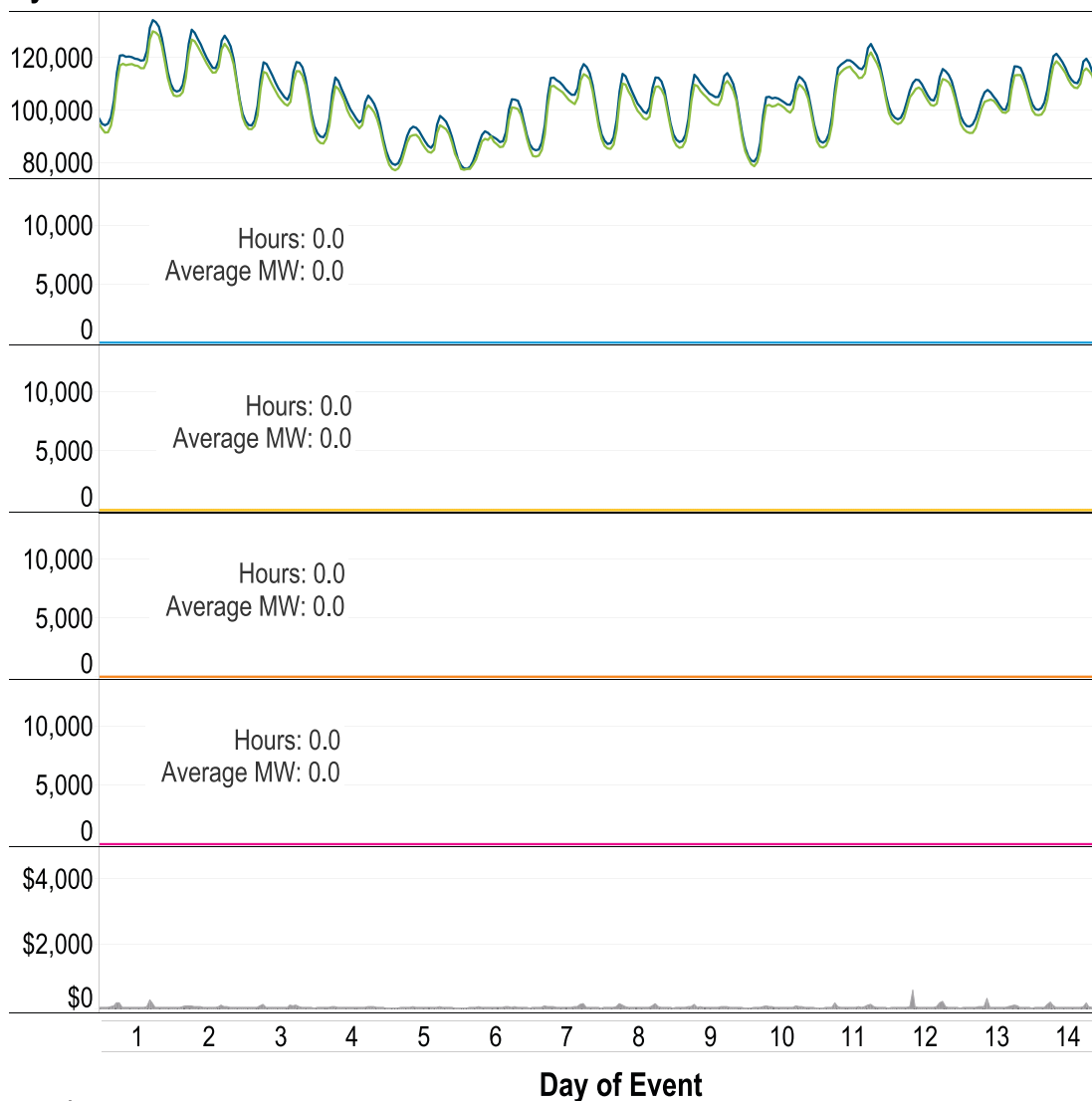
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

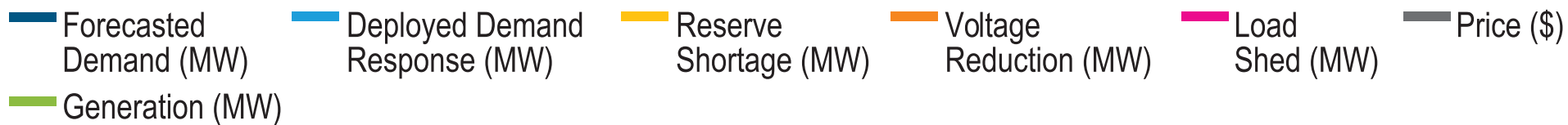
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



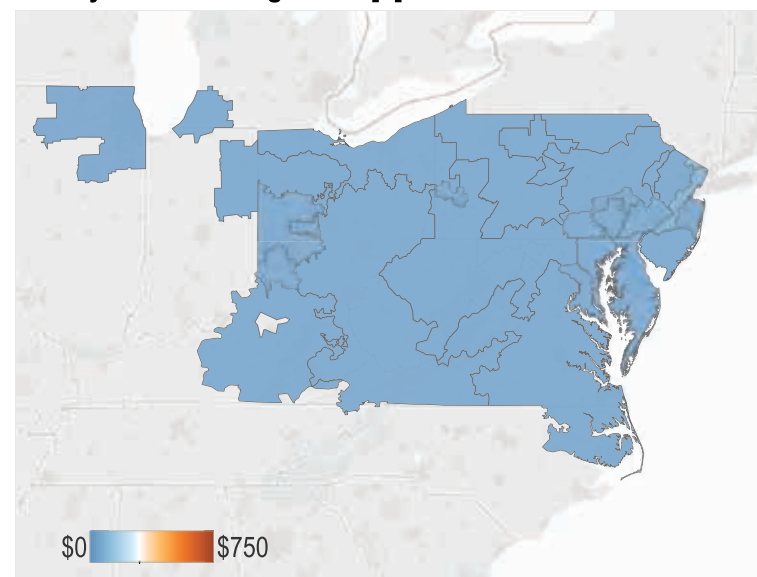
Legend



## Scenario: 28

Load:	Typical
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.66M



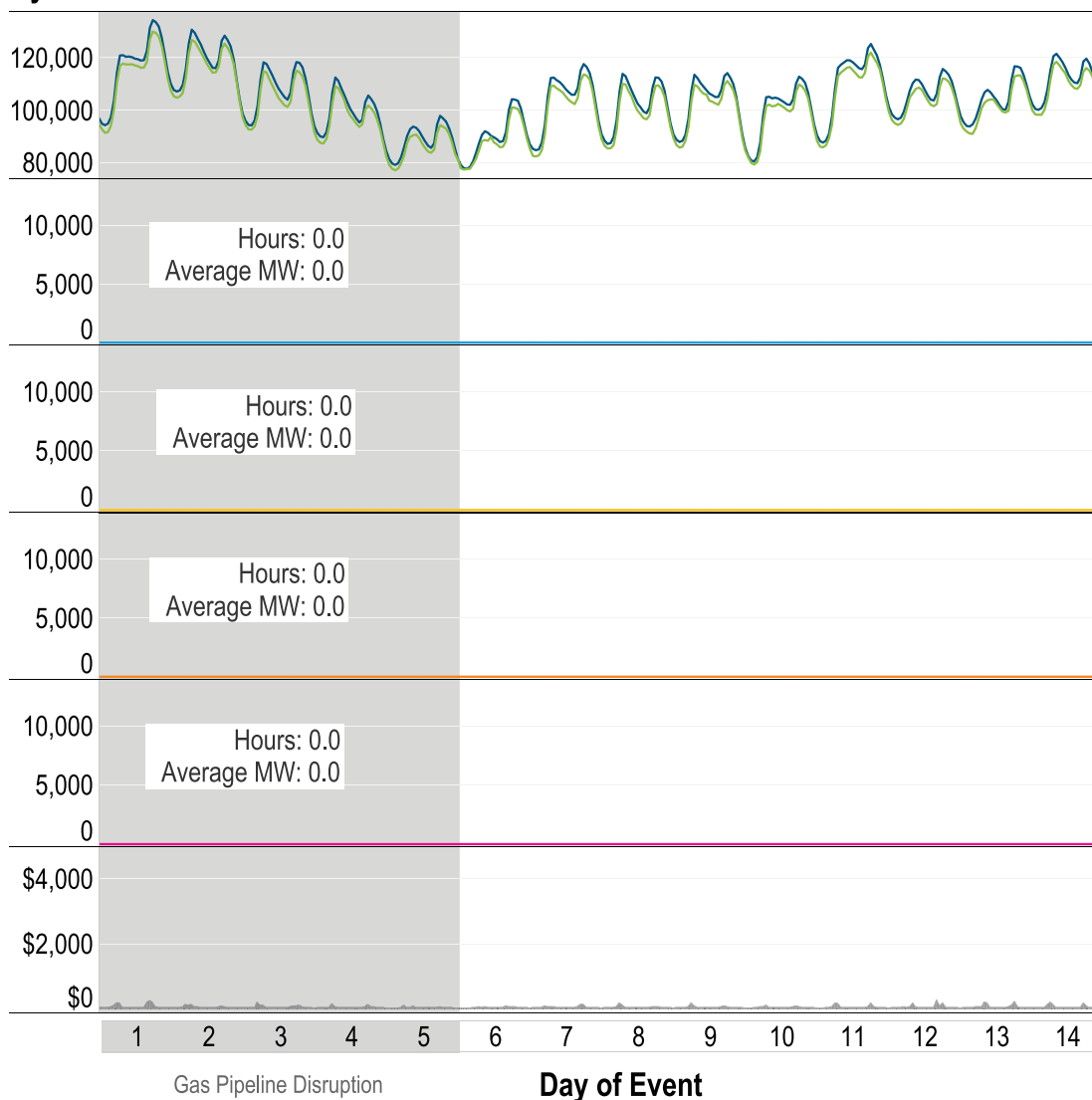
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



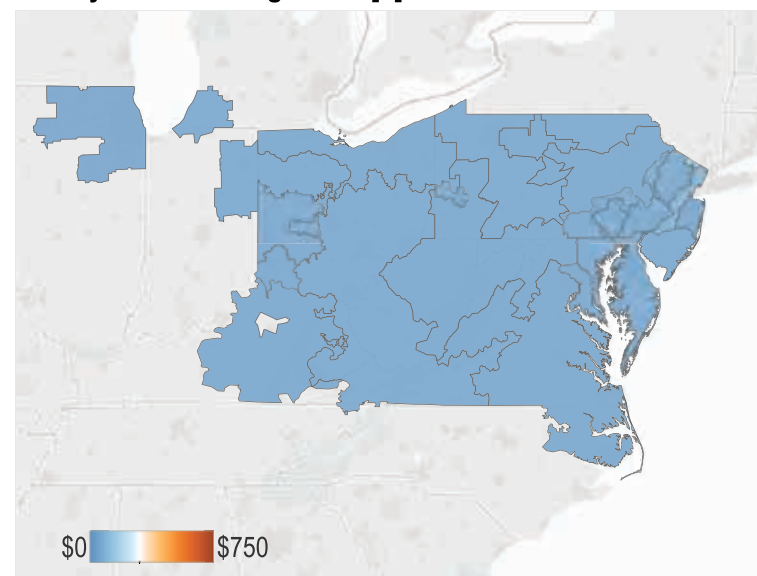
Legend



## Scenario: 29

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

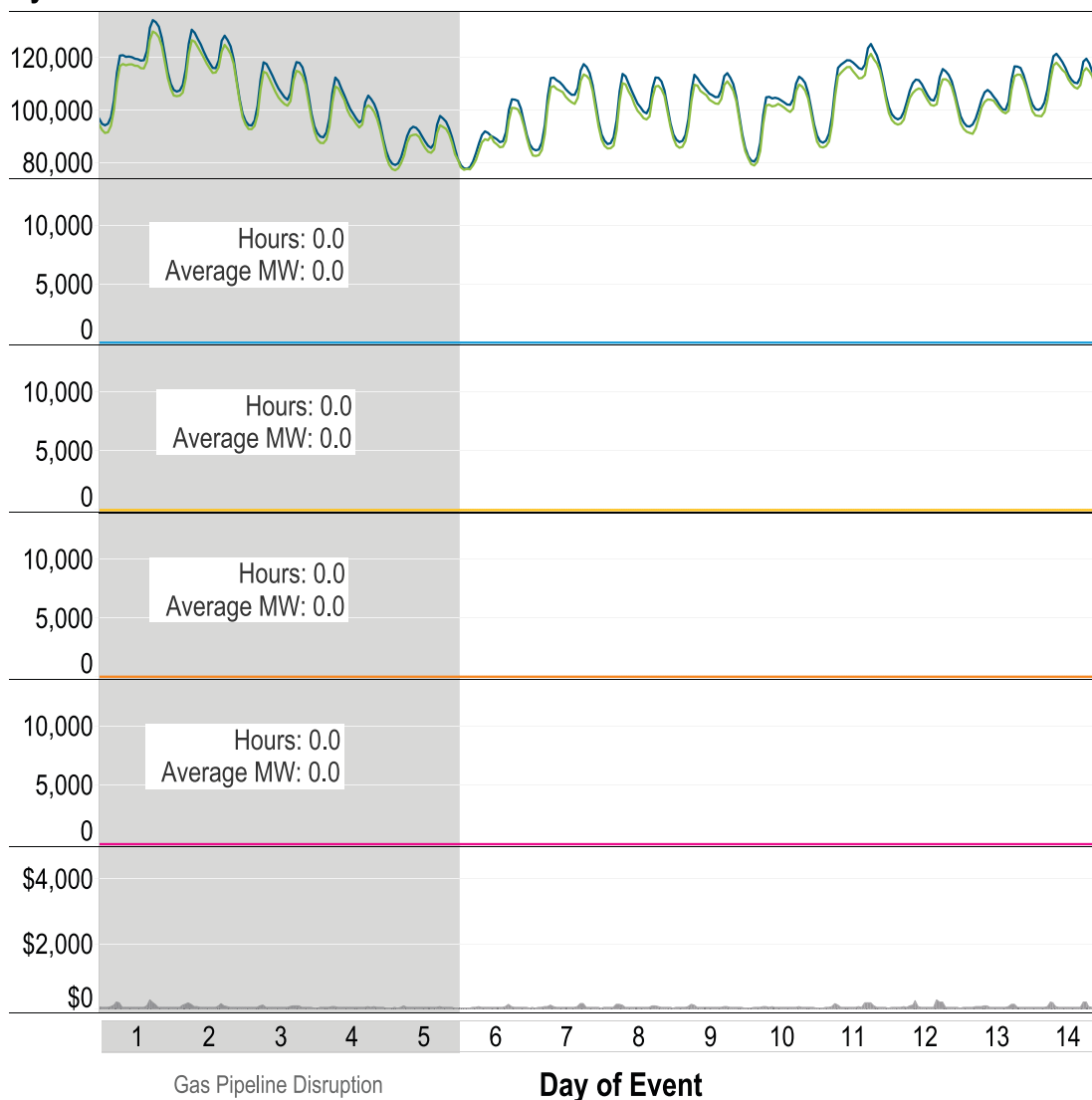


\*141 Total Sites

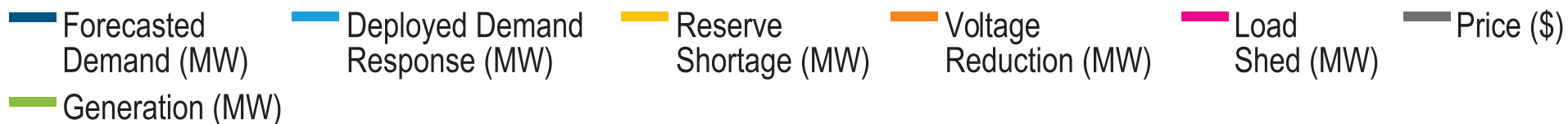
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



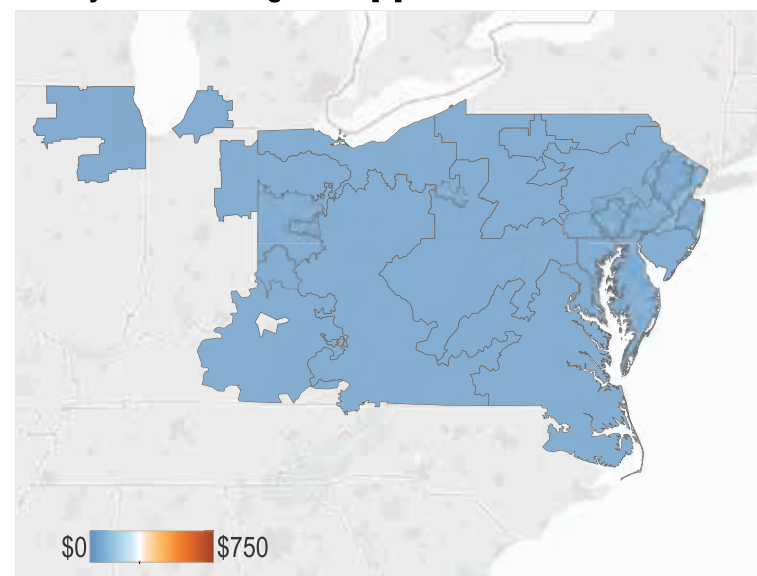
Legend



## Scenario: 30

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.69M



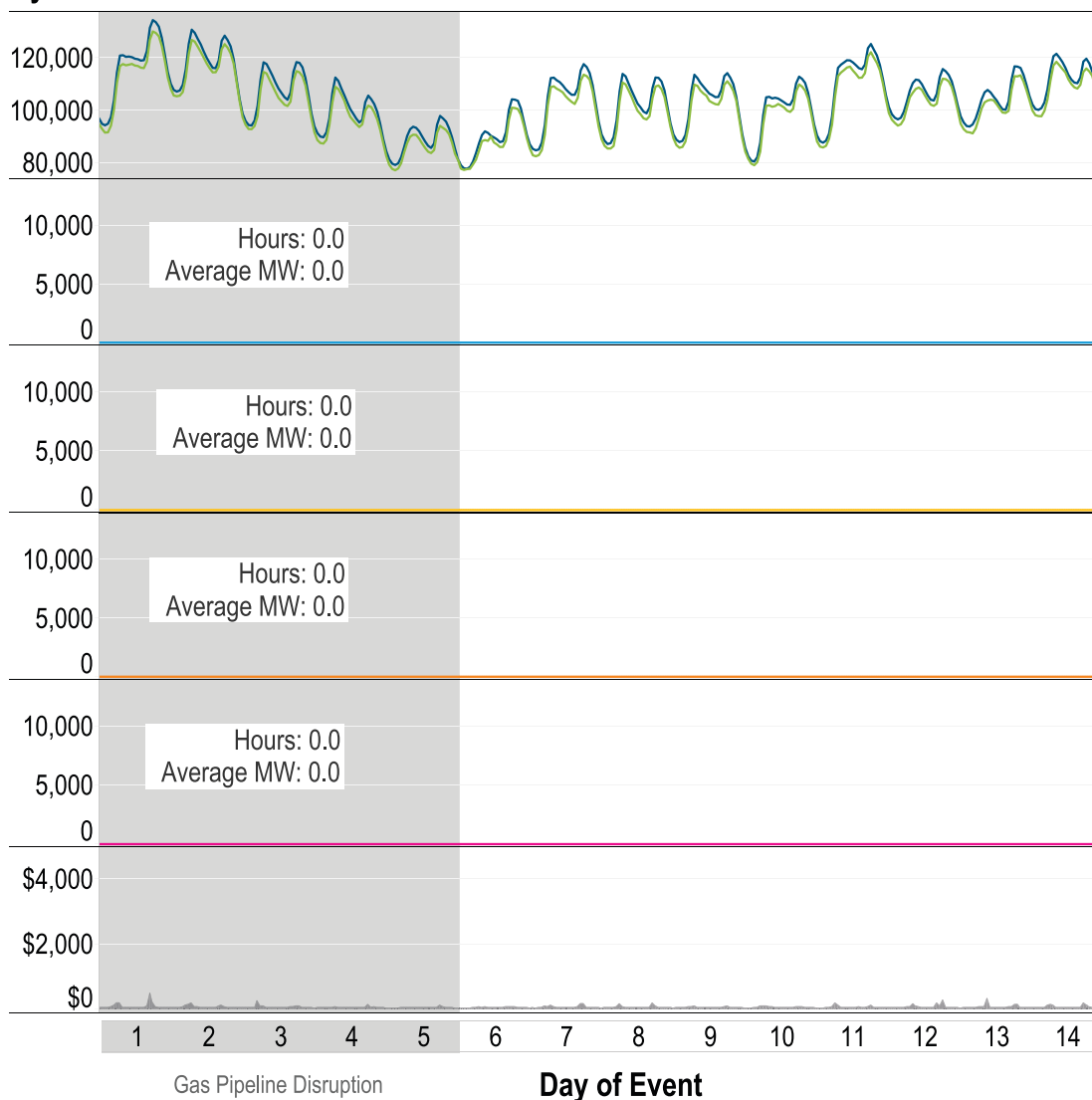
\*141 Total Sites

Day of Event

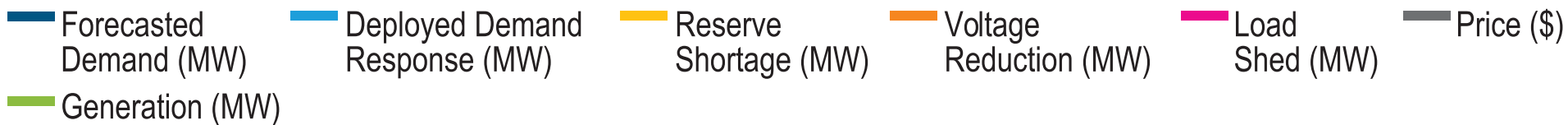
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



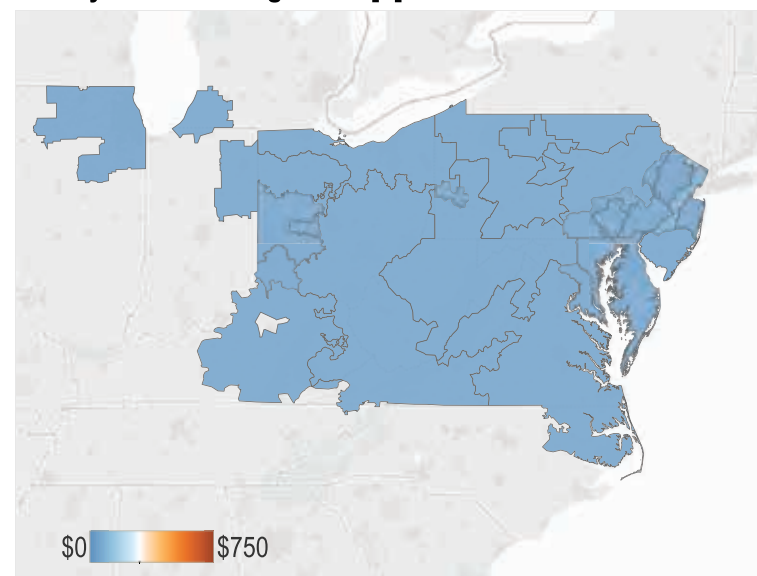
Legend



## Scenario: 31

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

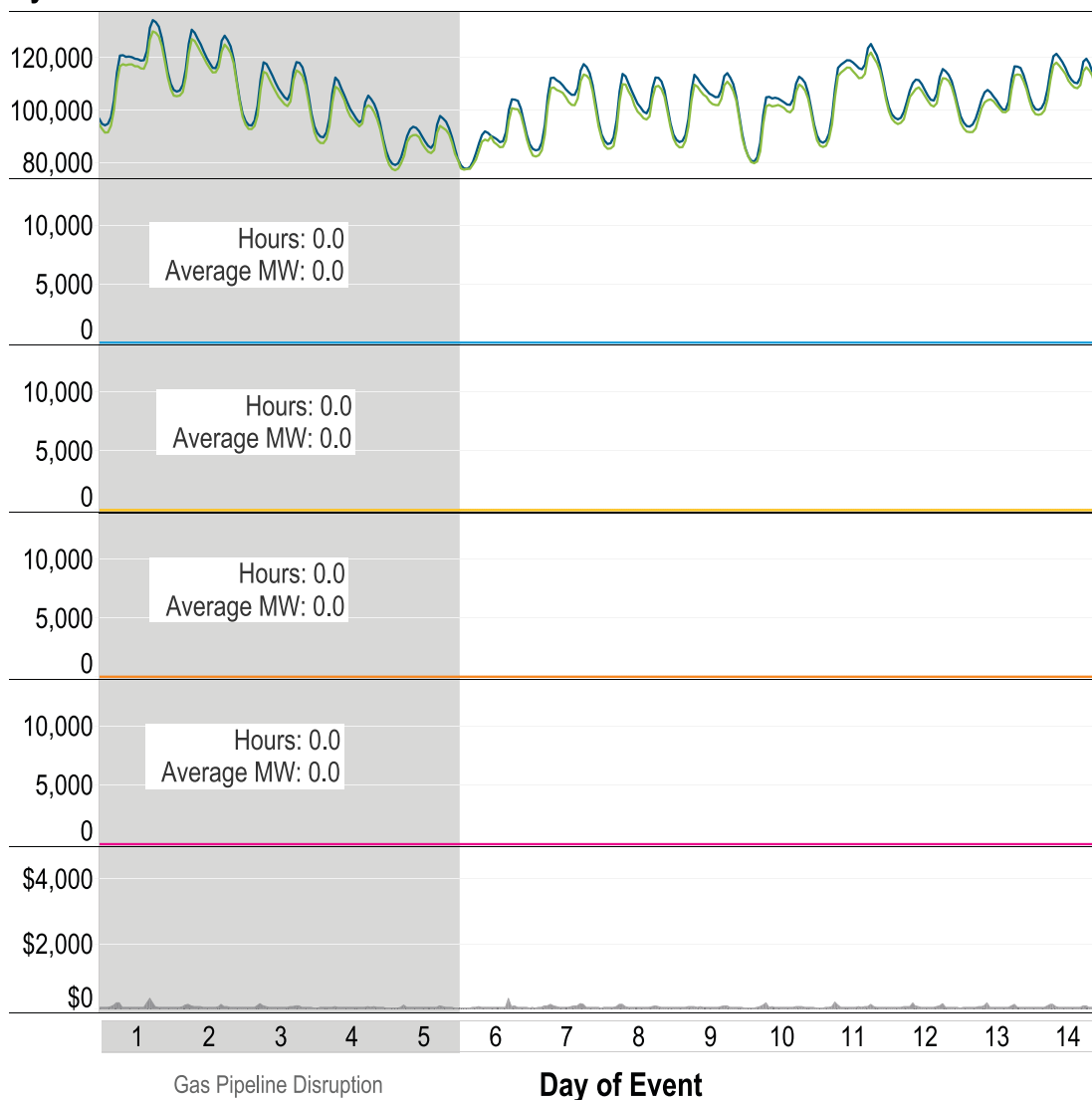
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



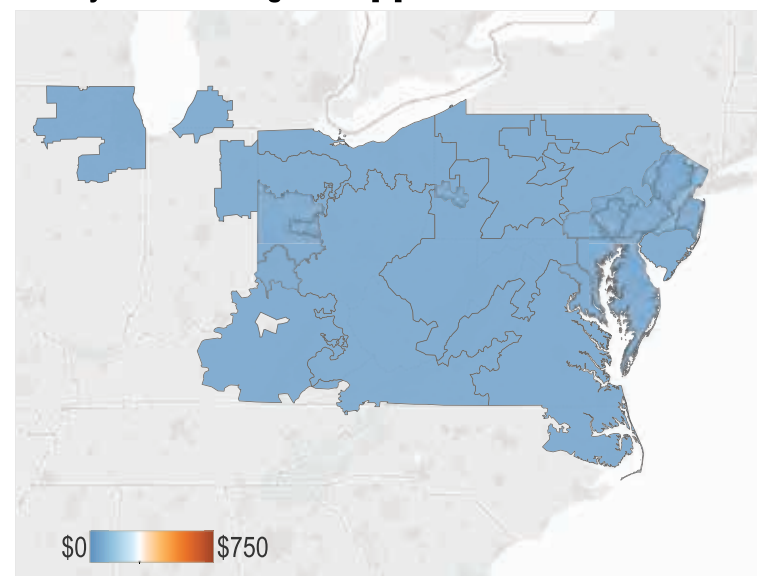
Legend



## Scenario: 32

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.68M



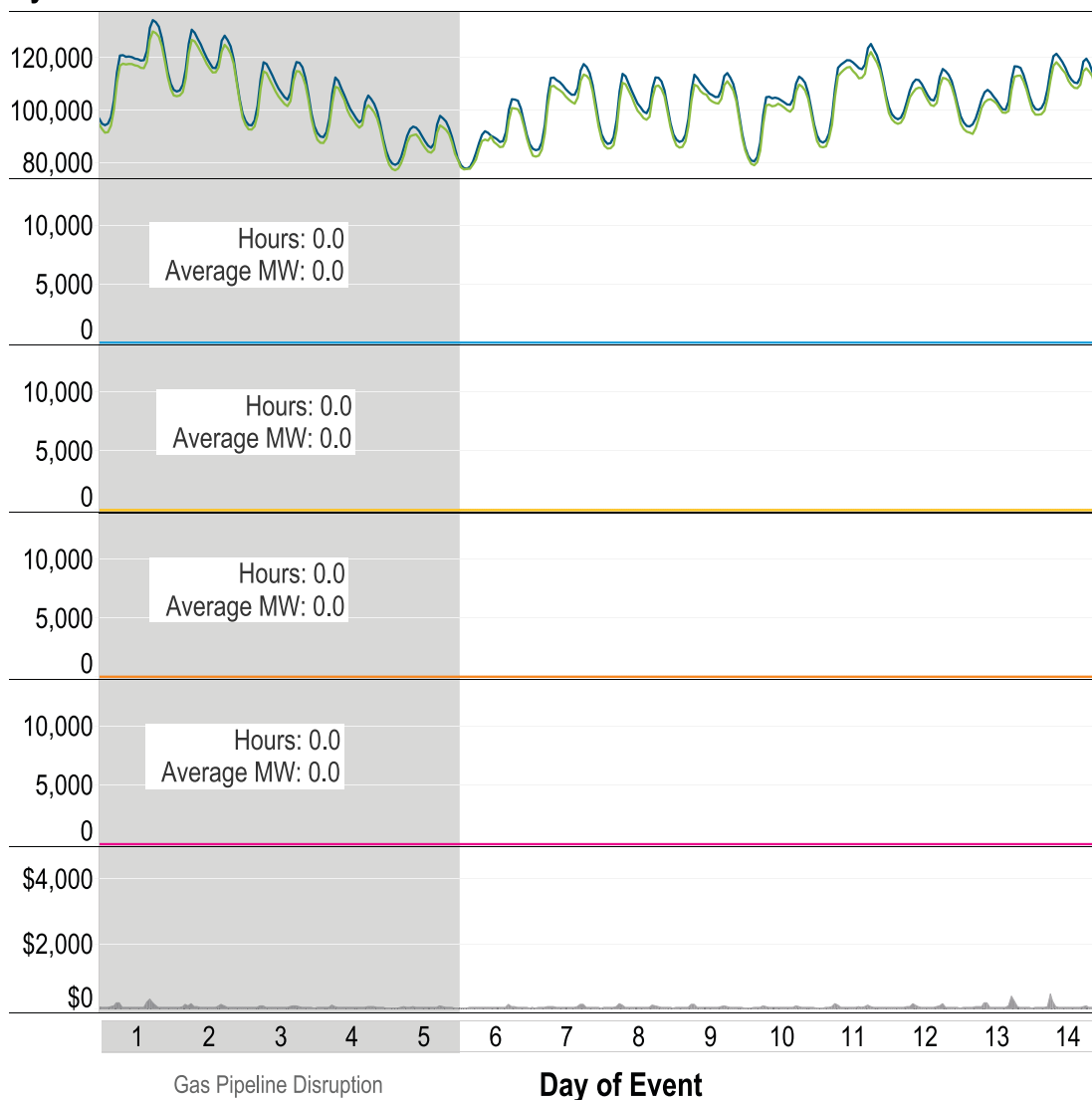
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

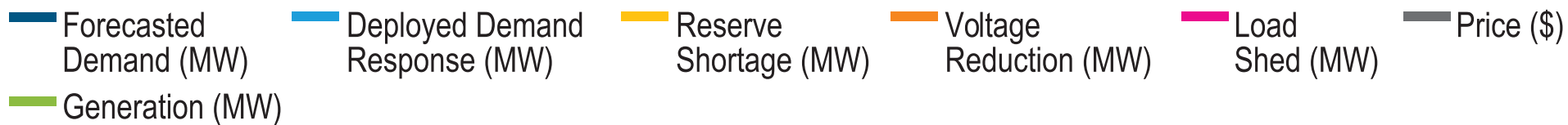
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



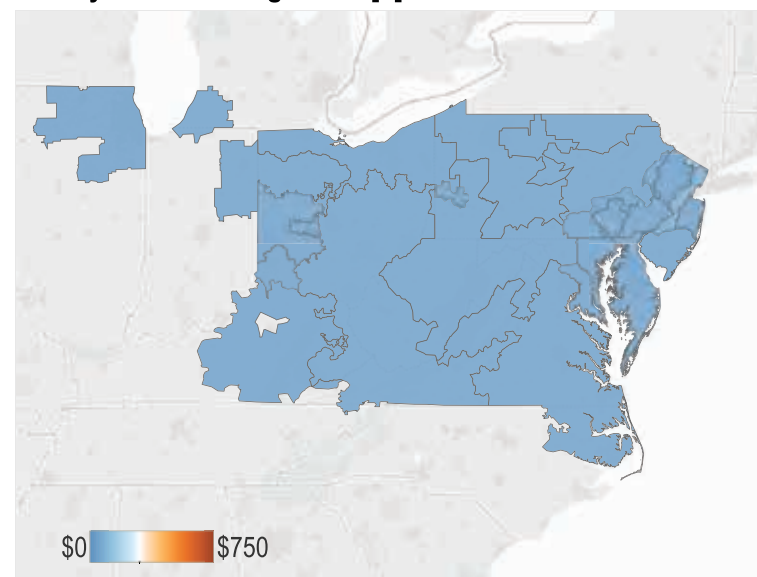
Legend



## Scenario: 33

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M



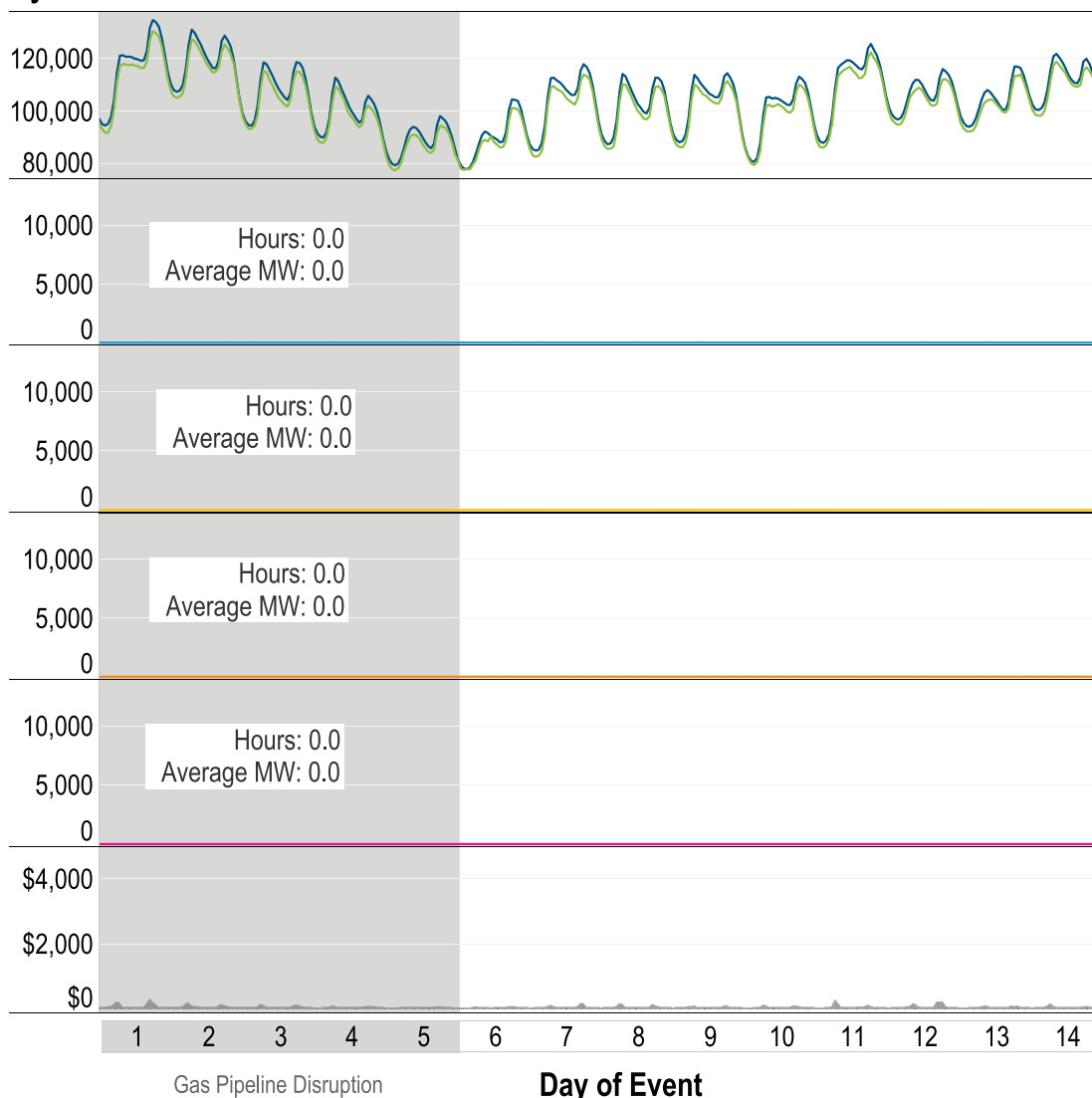
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



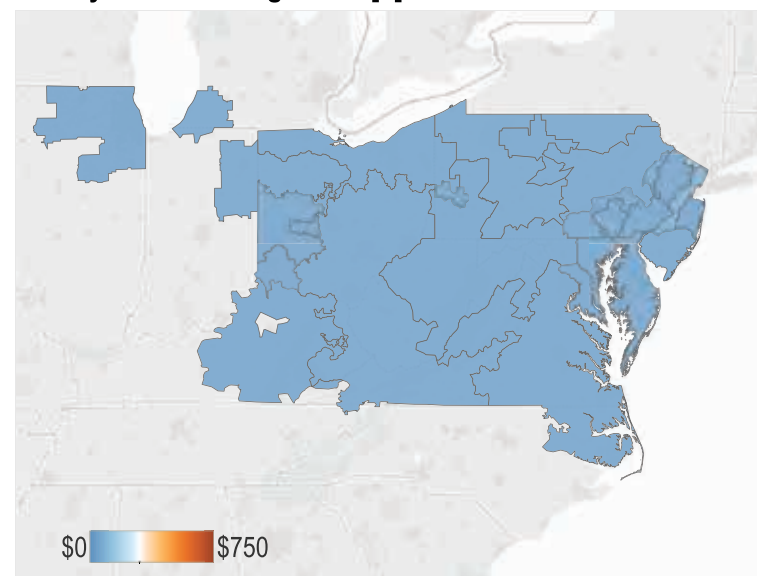
Legend



## Scenario: 34

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.66M



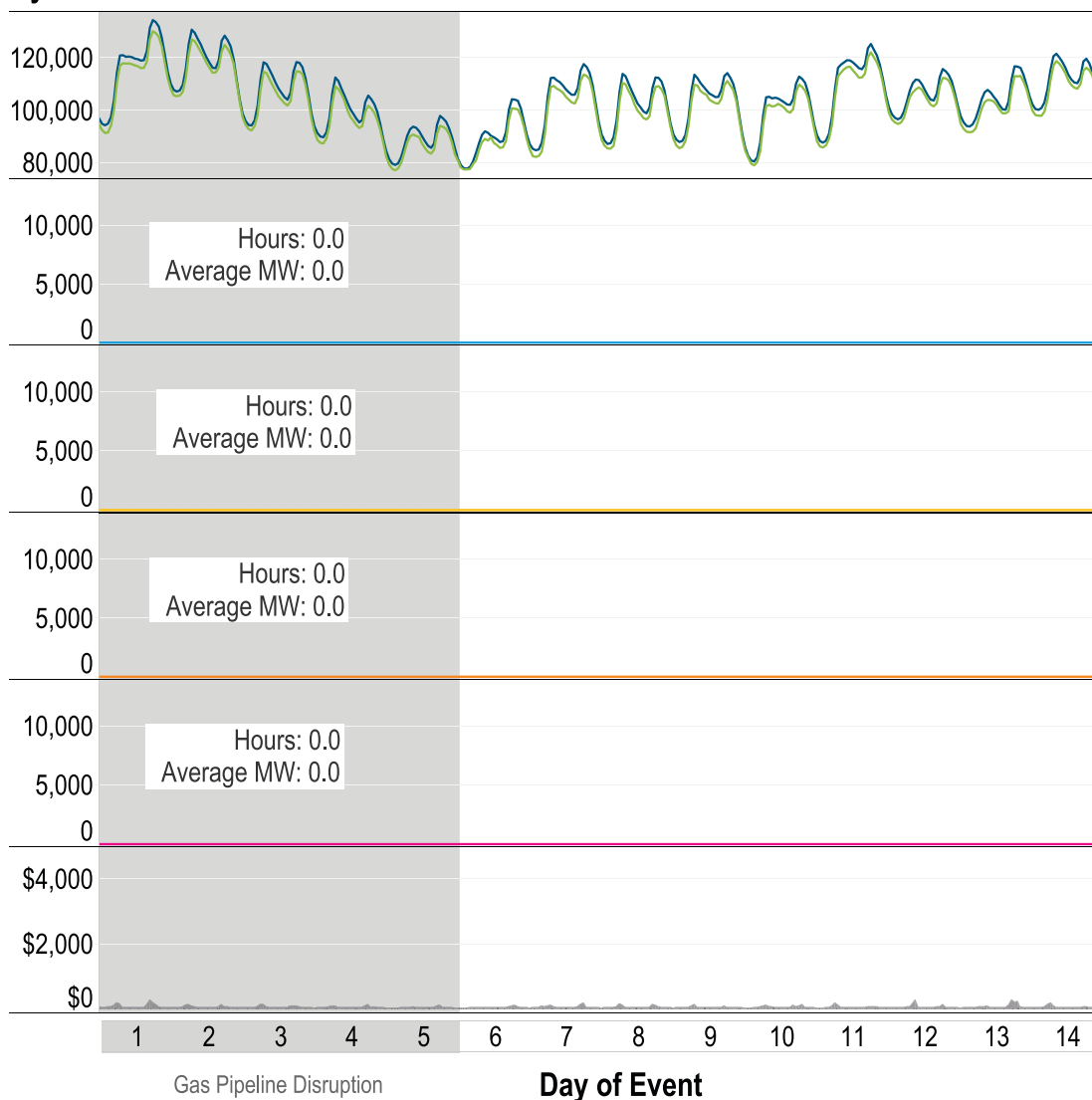
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

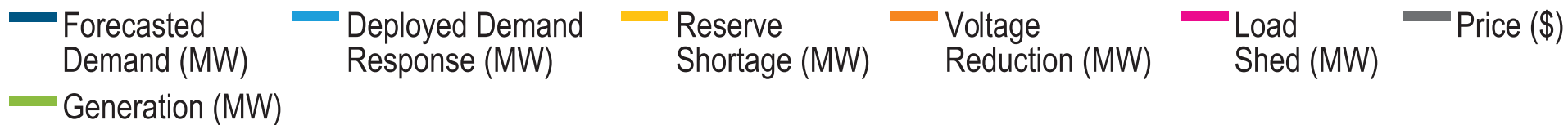
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



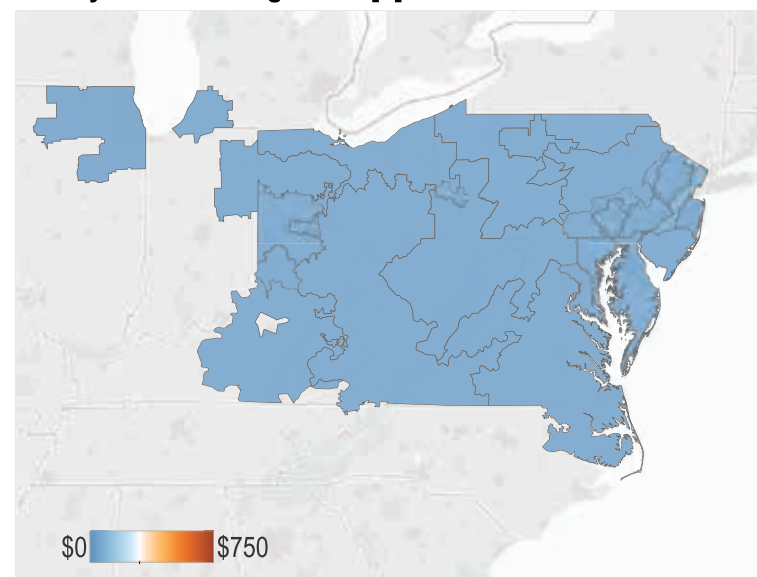
Legend



## Scenario: 35

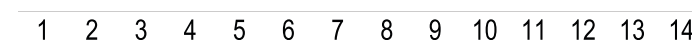
Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

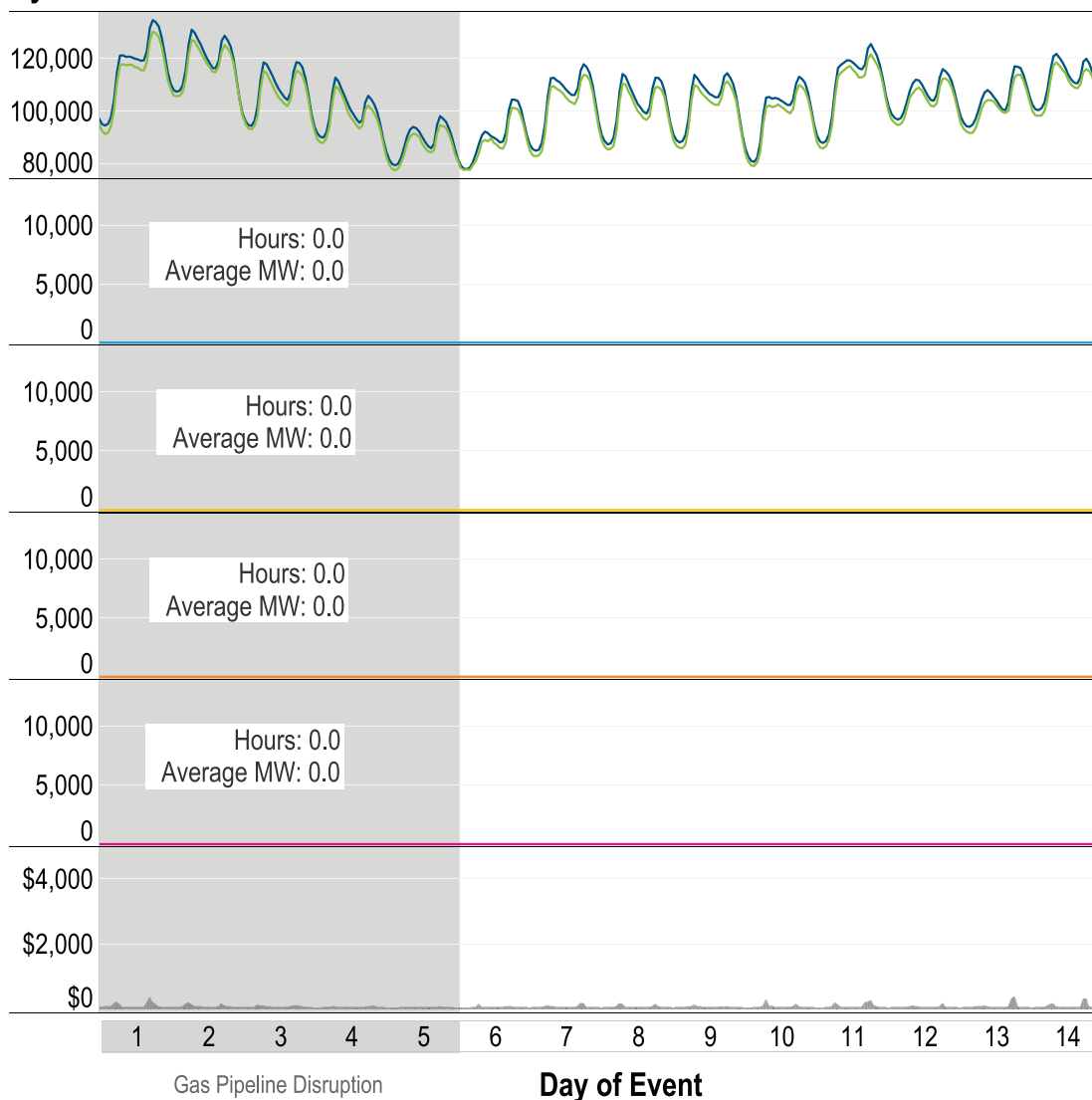


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



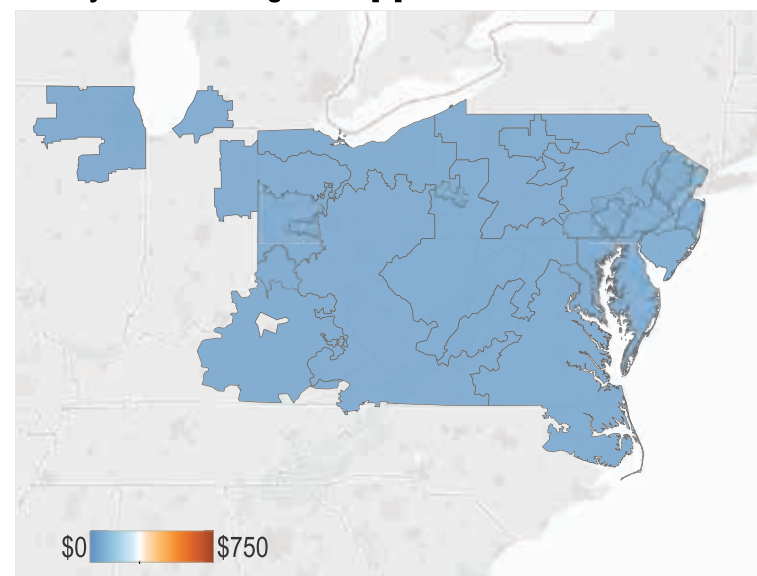
Legend



## Scenario: 36

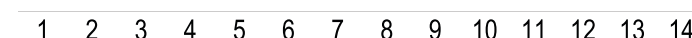
Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.68M

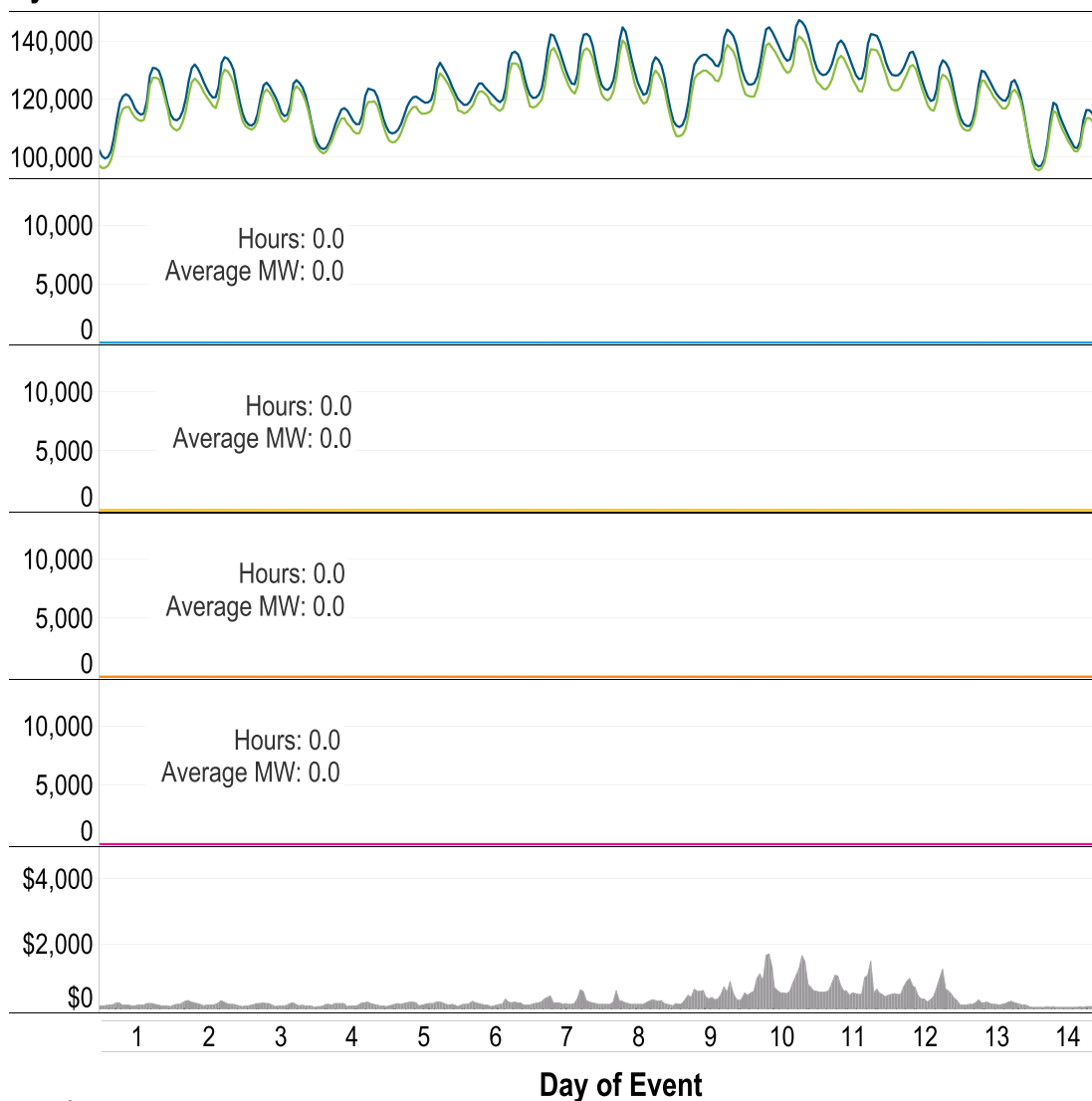


\*141 Total Sites

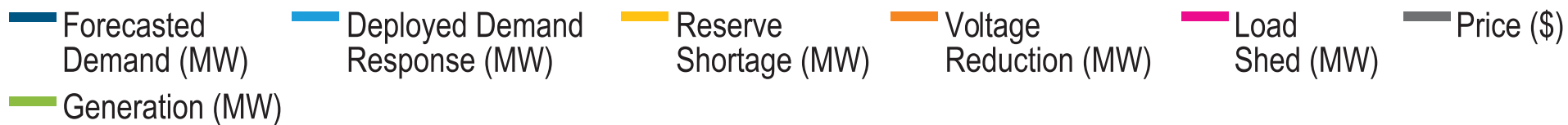
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



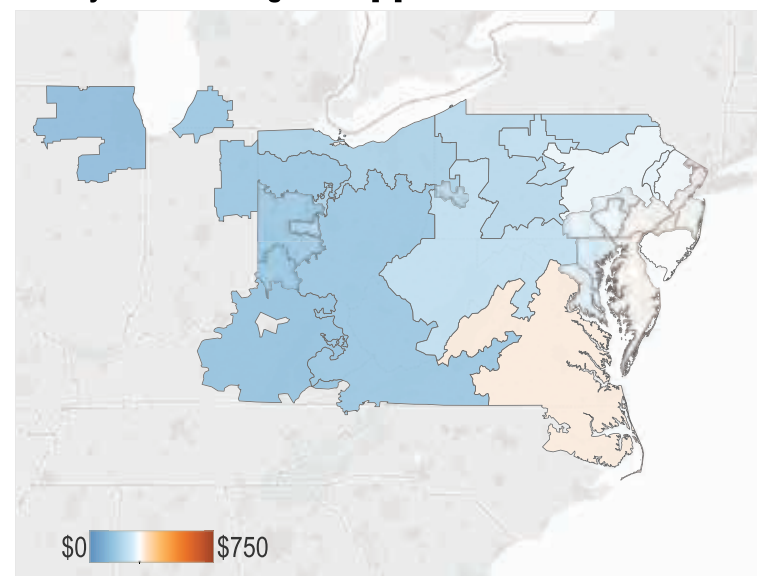
Legend



## Scenario: 37

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.59M

0	0	0	0	0	1	1	2	4	6	15	20	1	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

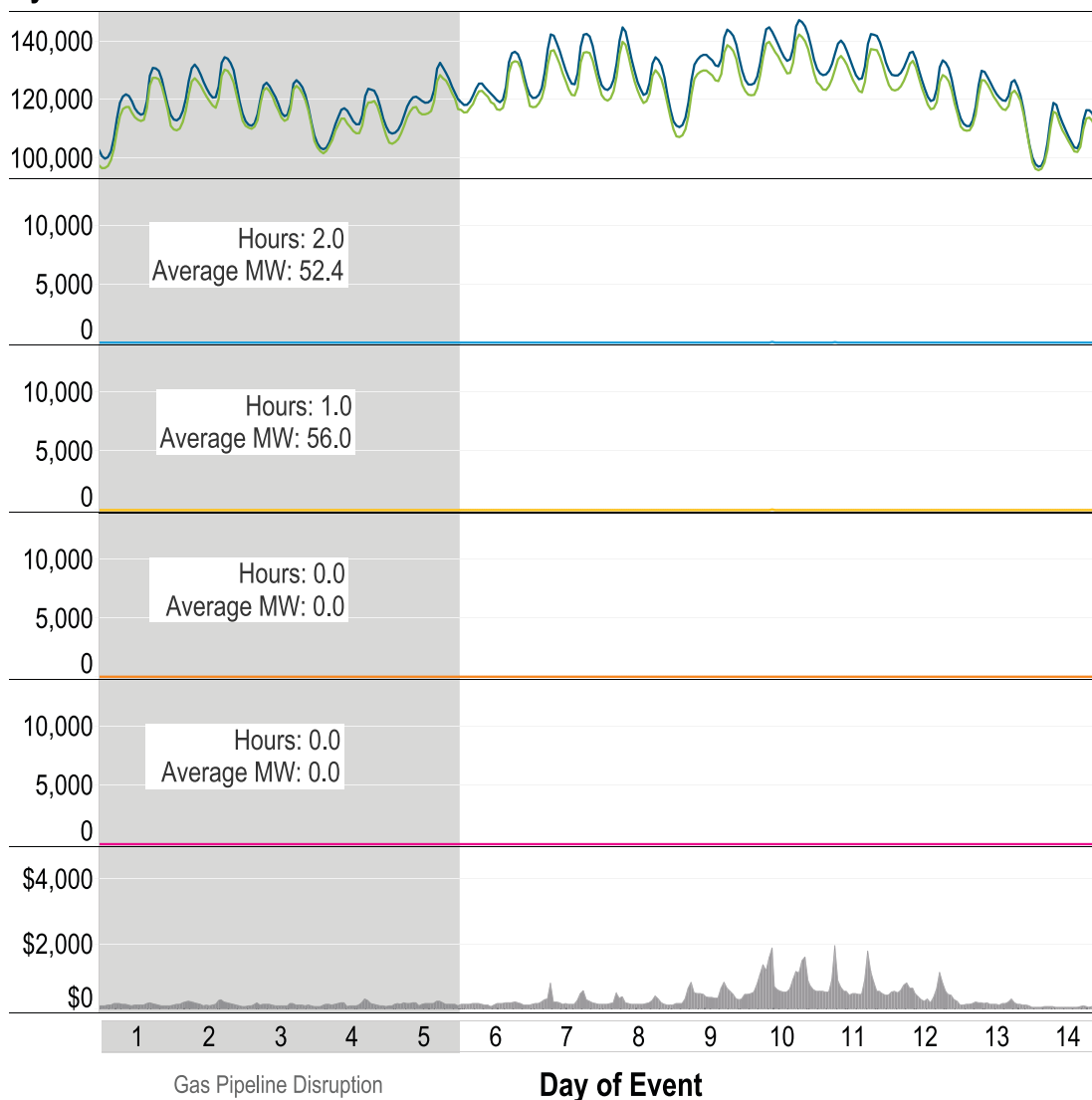
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

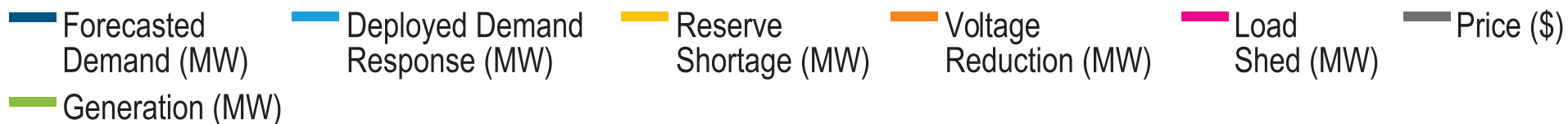
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



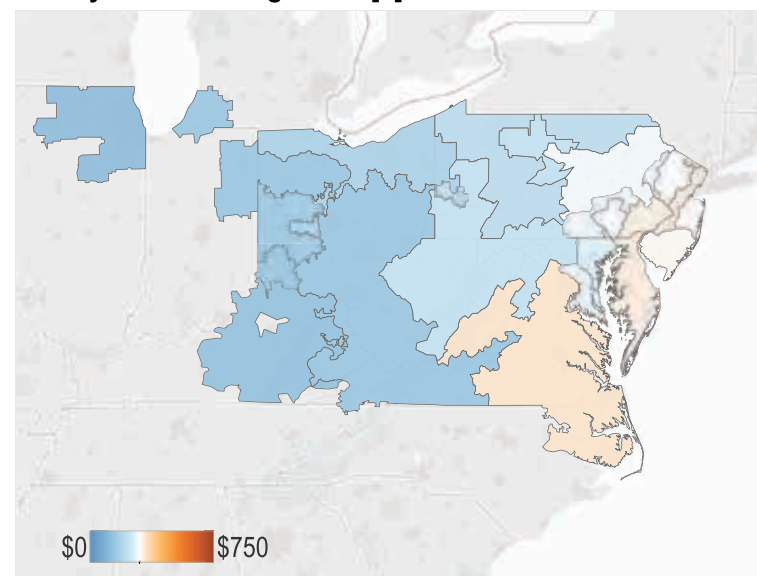
Legend



## Scenario: 38

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.60M

0	0	0	0	0	1	1	2	4	7	15	18	2	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

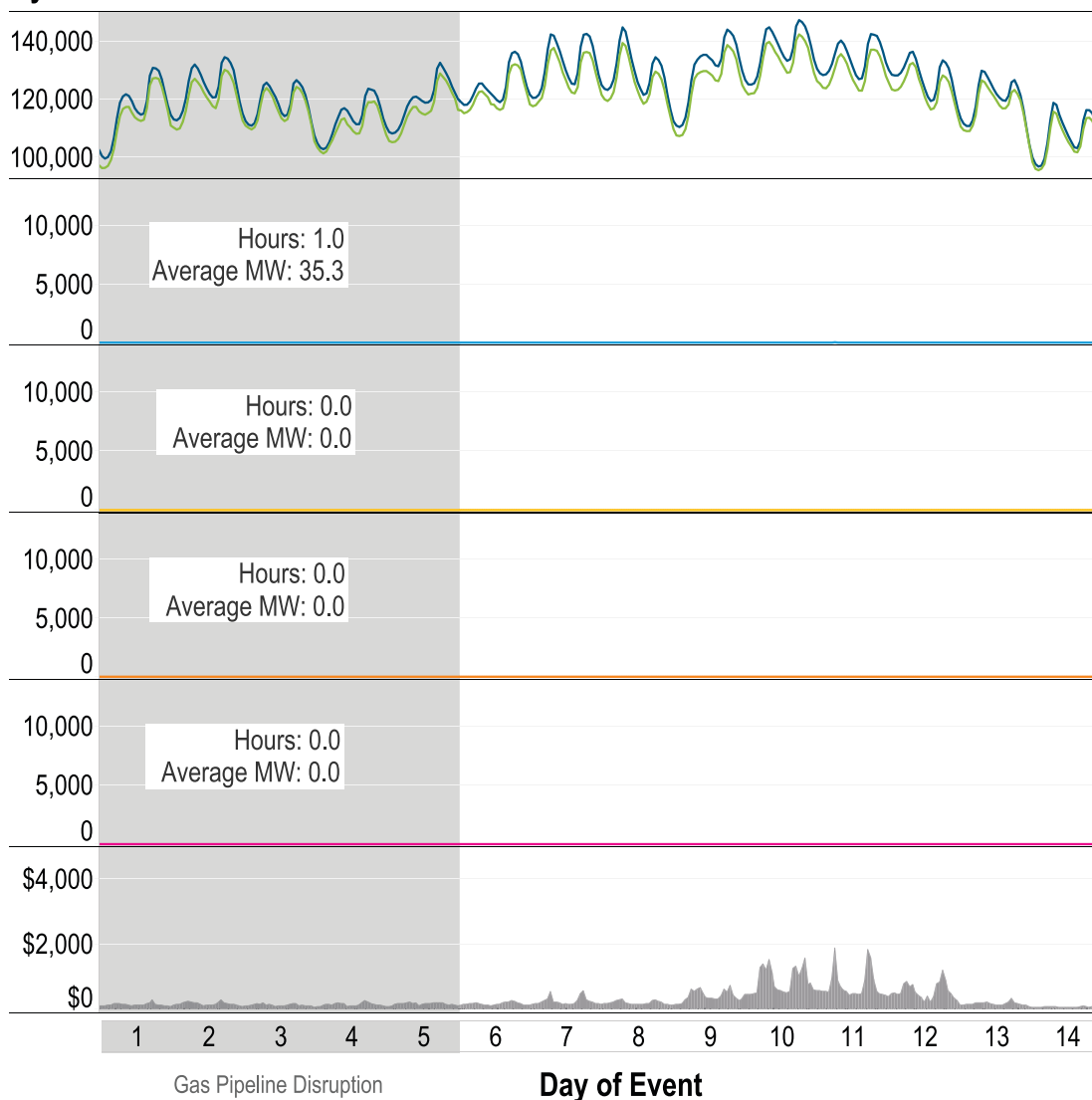
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



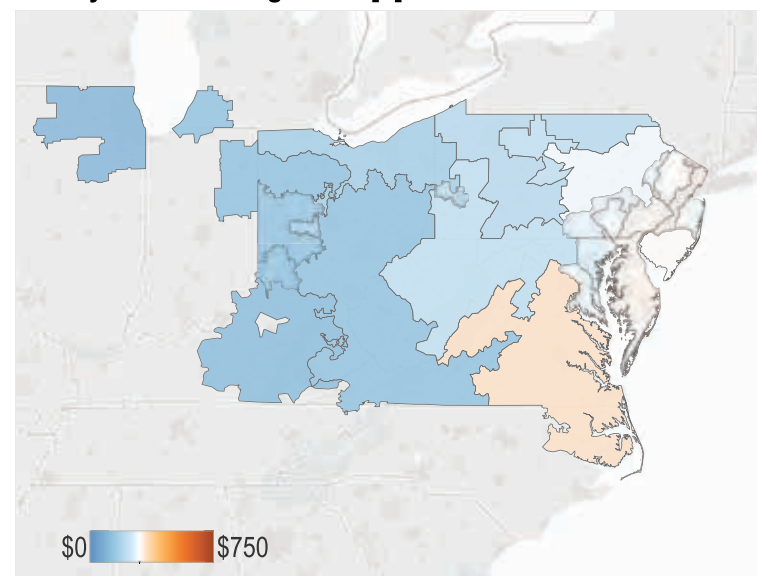
Legend



## Scenario: 39

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.54M

0	0	0	0	0	1	1	2	4	7	15	19	2	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

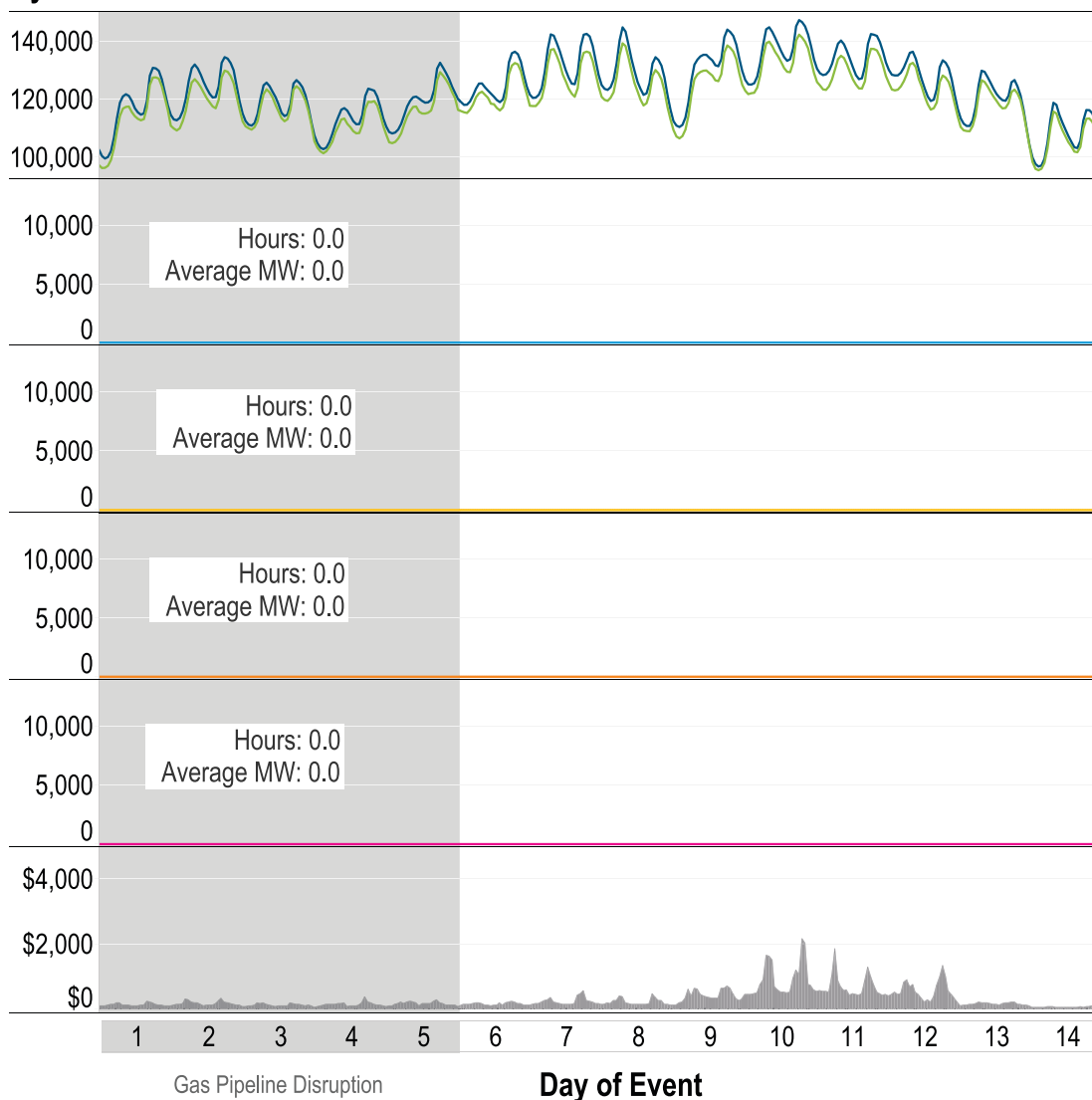
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

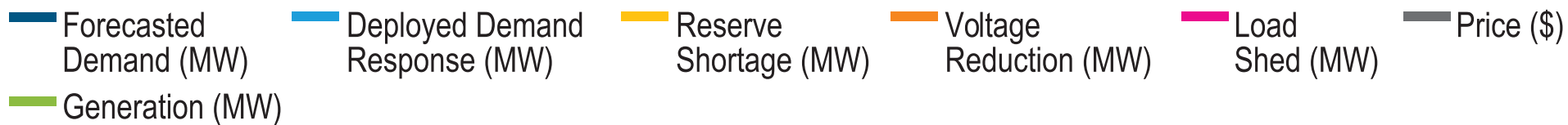
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



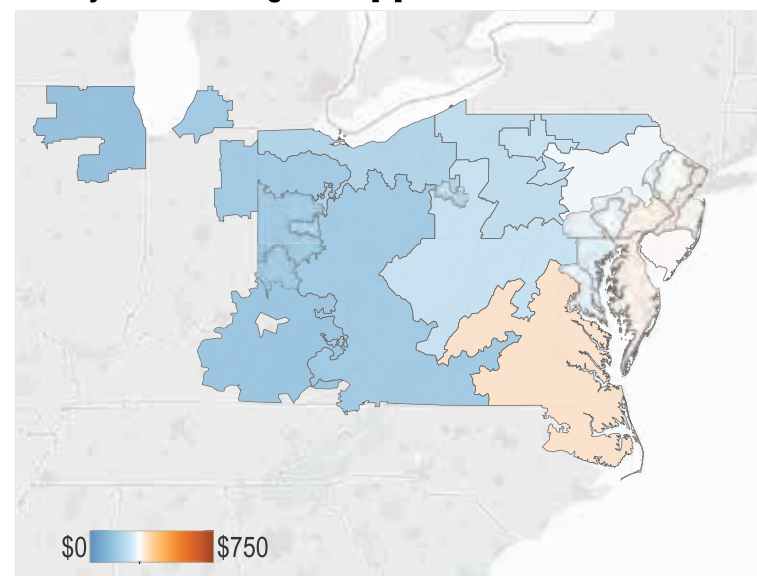
Legend



## Scenario: 40

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.44M

0	0	0	0	0	1	1	2	4	6	16	19	3	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

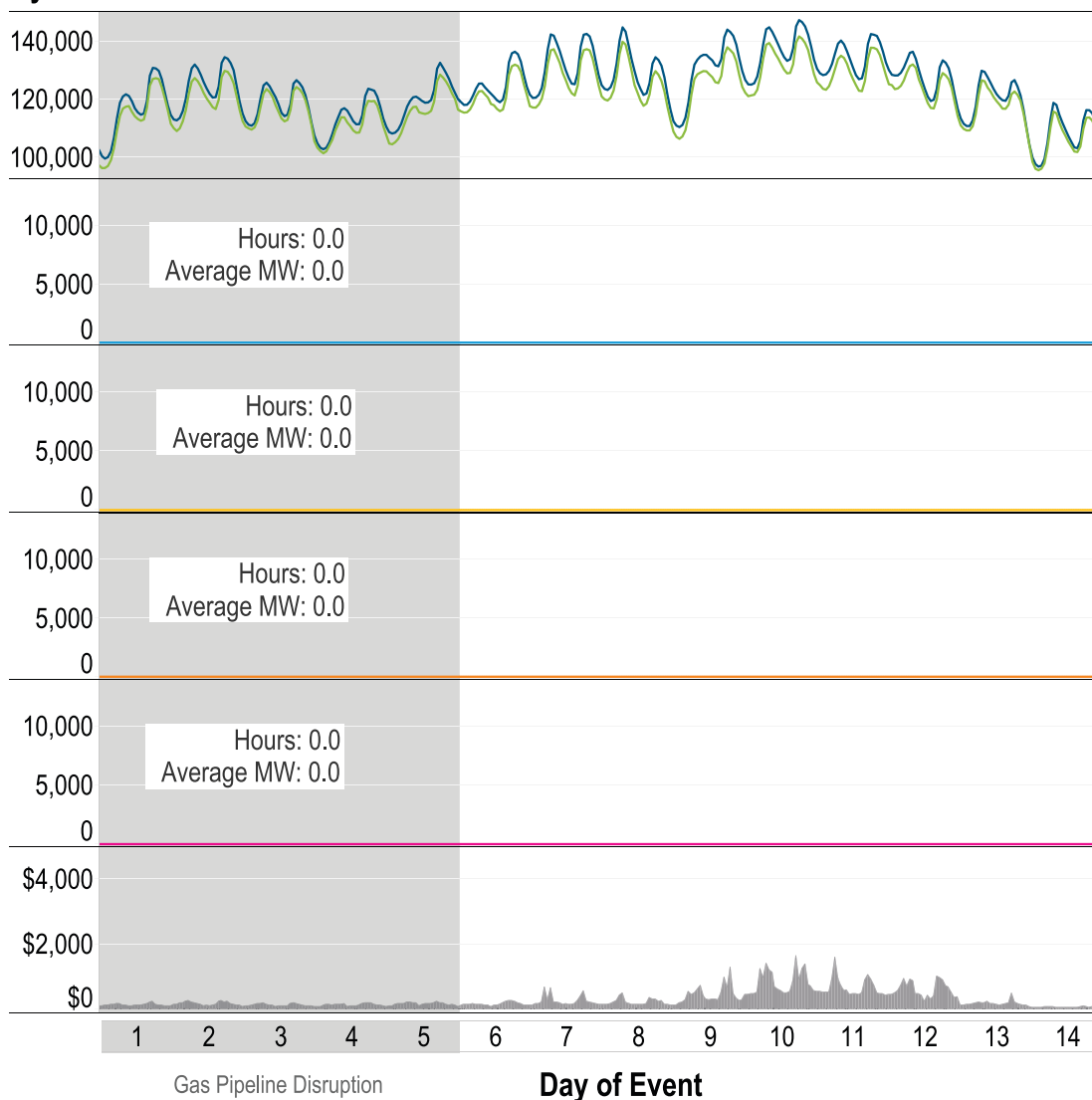
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



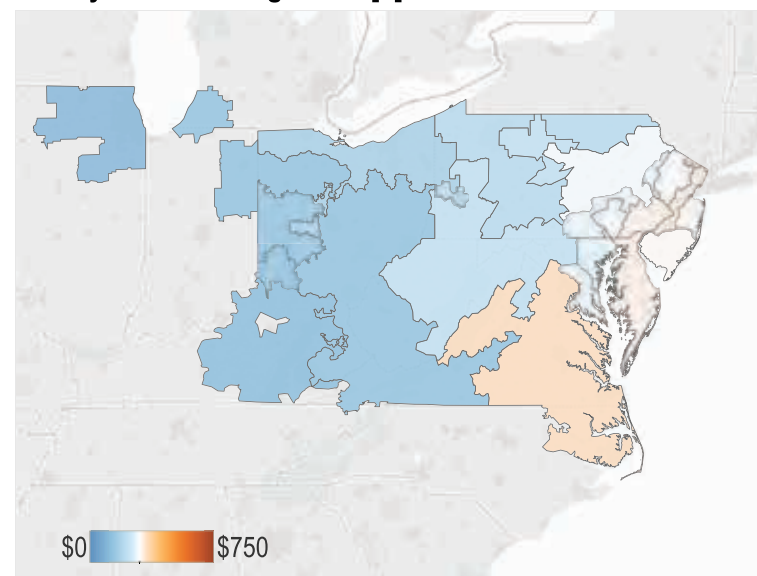
Legend



## Scenario: 41

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.53M

0	0	0	0	0	1	1	2	4	6	18	19	1	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

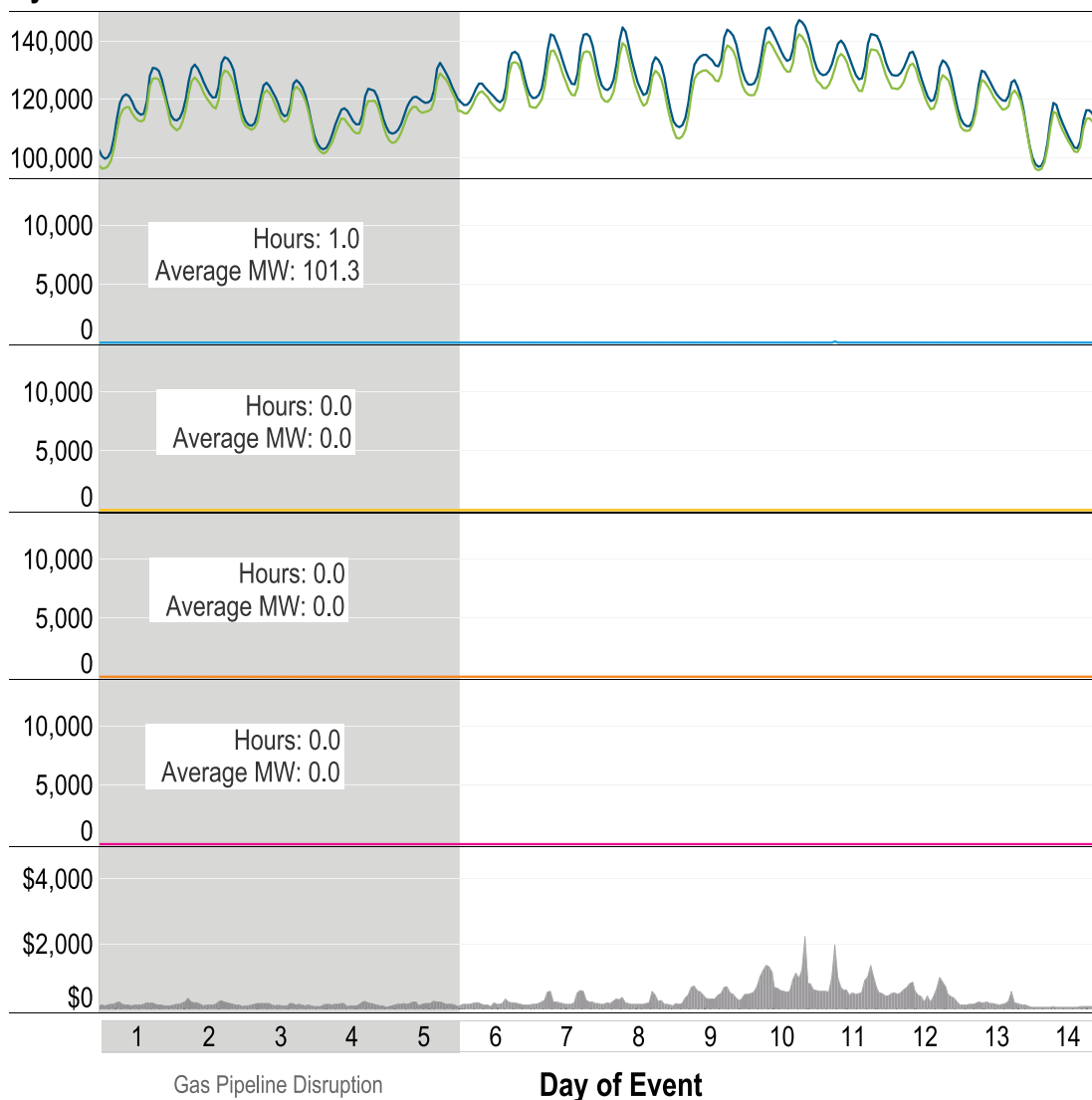
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



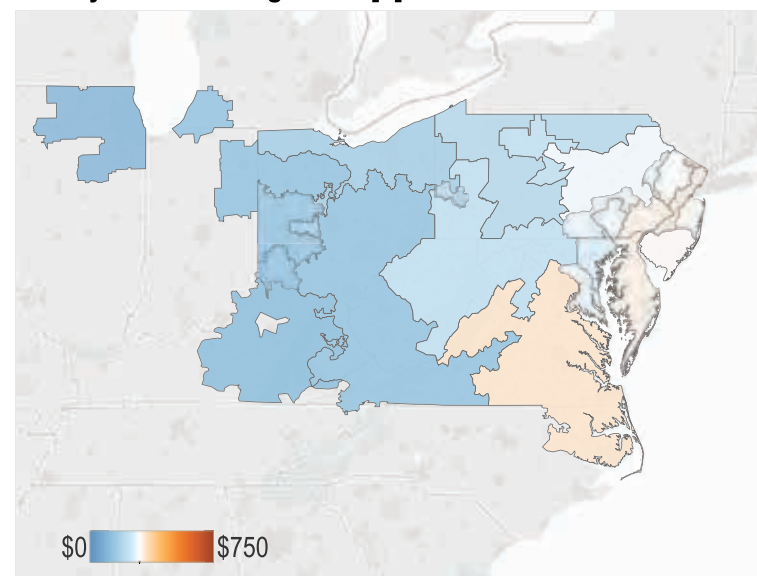
Legend



## Scenario: 42

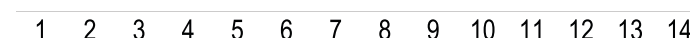
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.45M

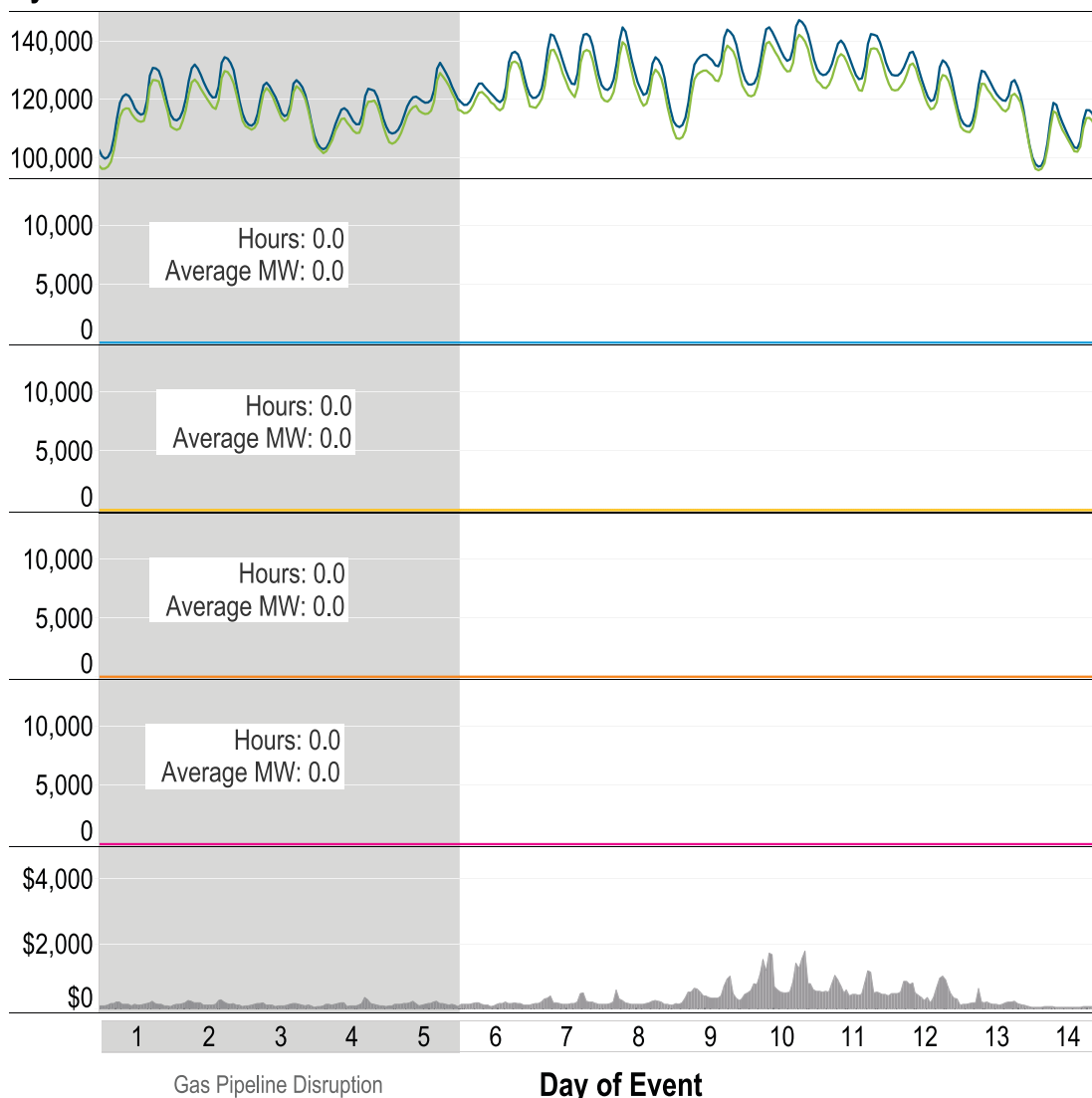


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



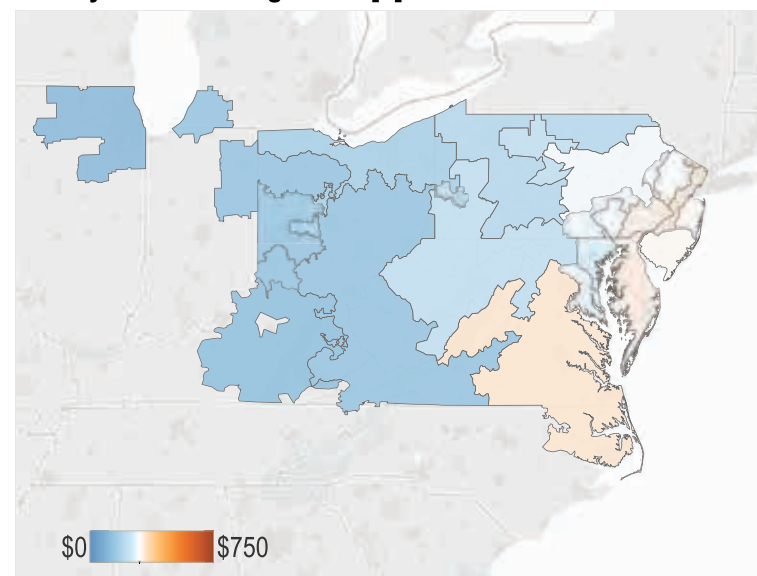
Legend



## Scenario: 43

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.57M

0	0	0	0	0	1	1	2	4	6	17	17	3	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

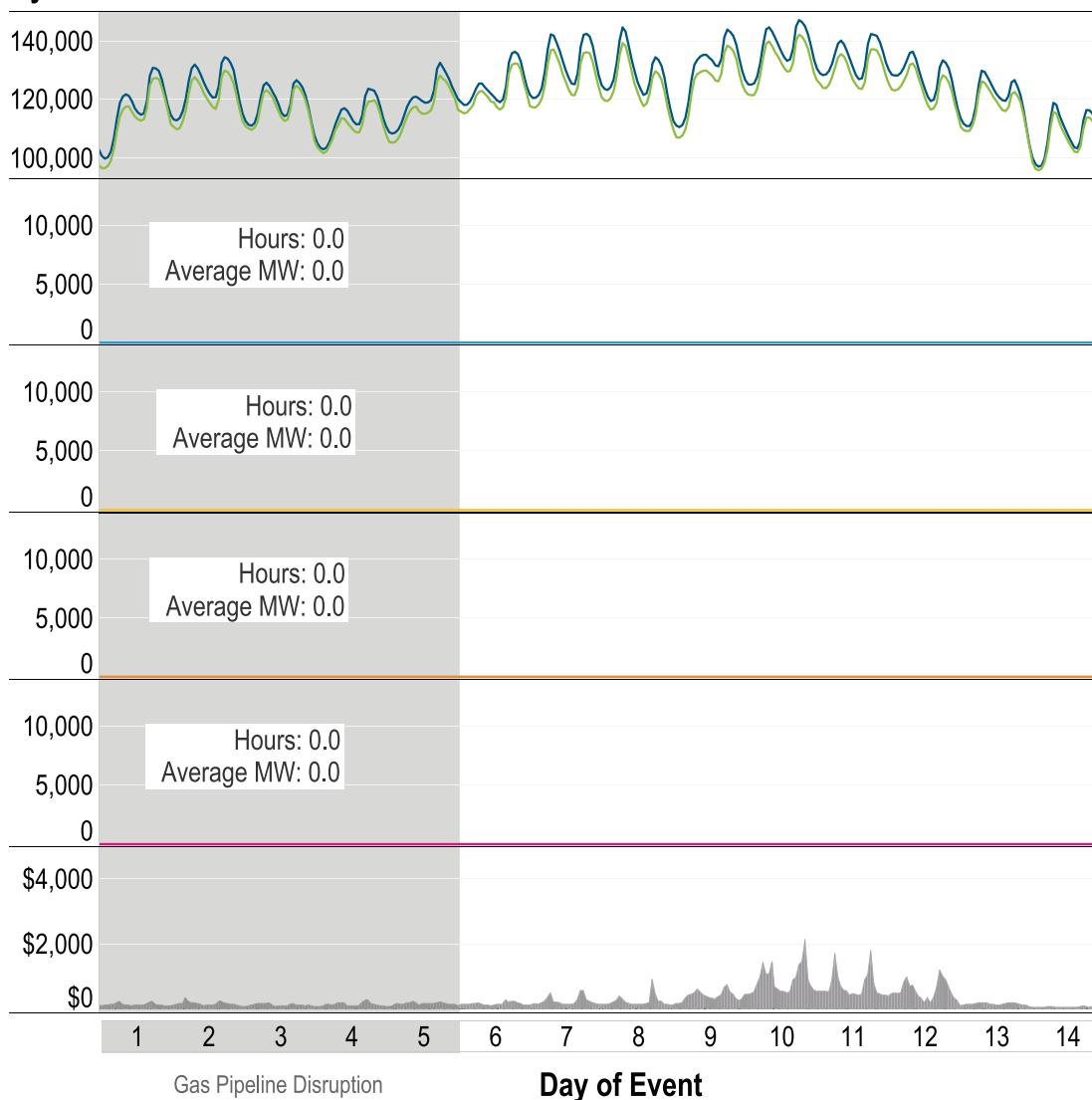
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



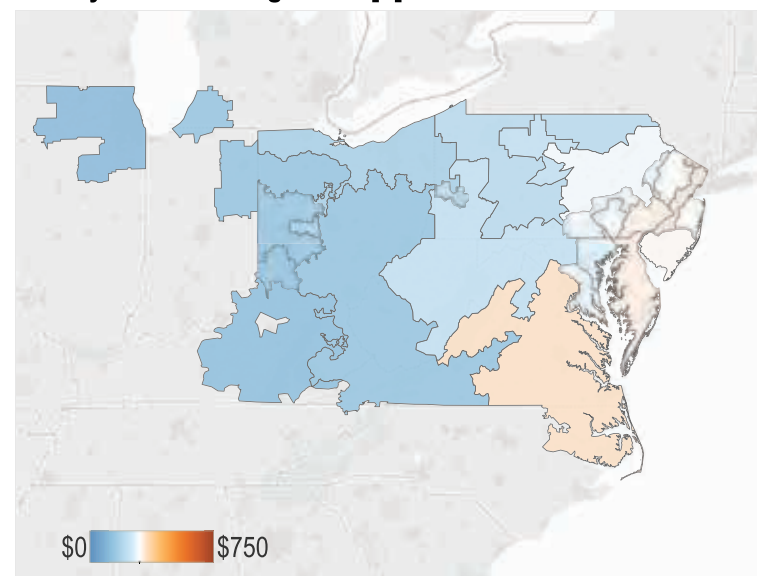
Legend



## Scenario: 44

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.59M

0	0	0	0	0	1	1	2	4	6	16	18	2	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

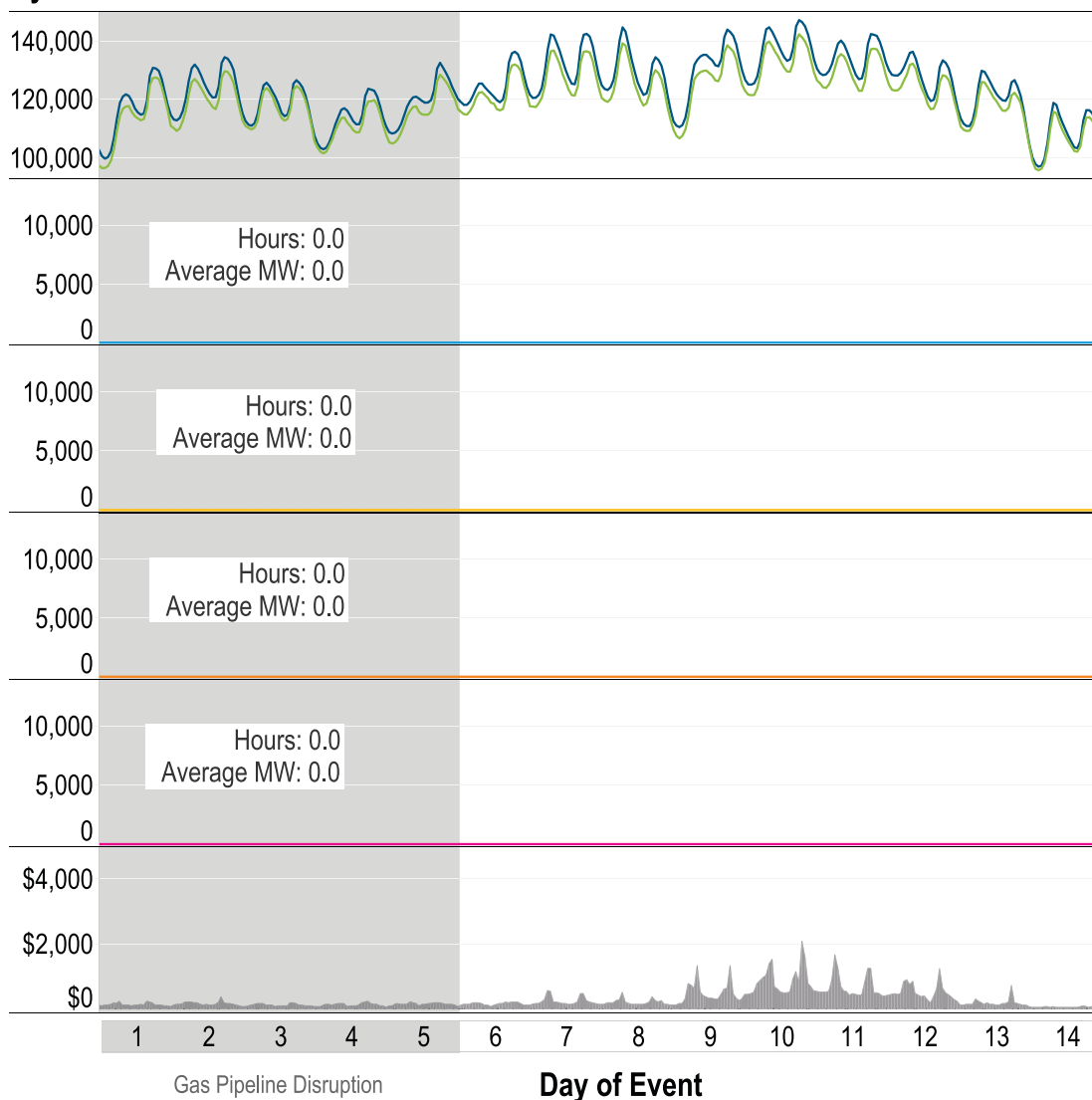
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

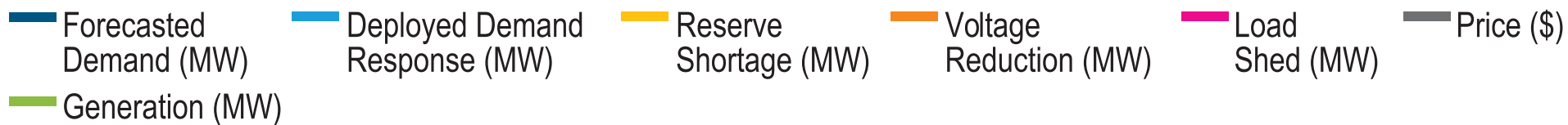
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



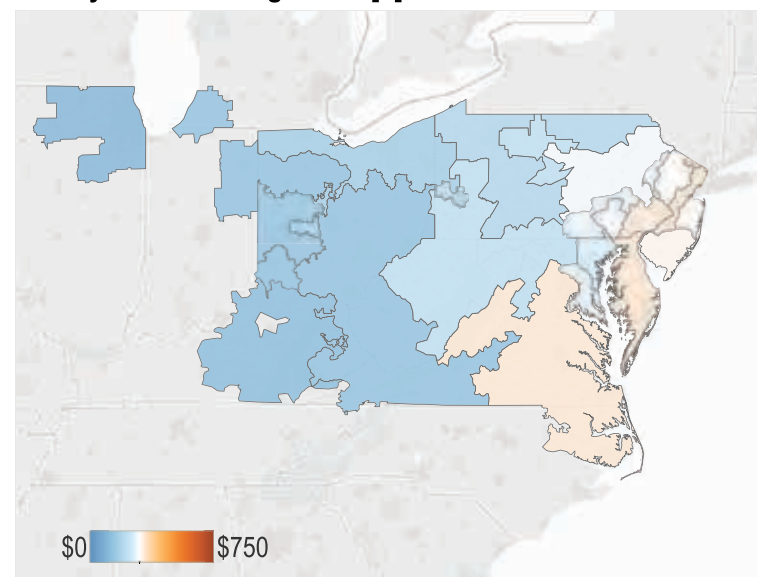
Legend



## Scenario: 45

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.64M

0	0	0	0	0	1	2	2	4	6	15	17	3	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

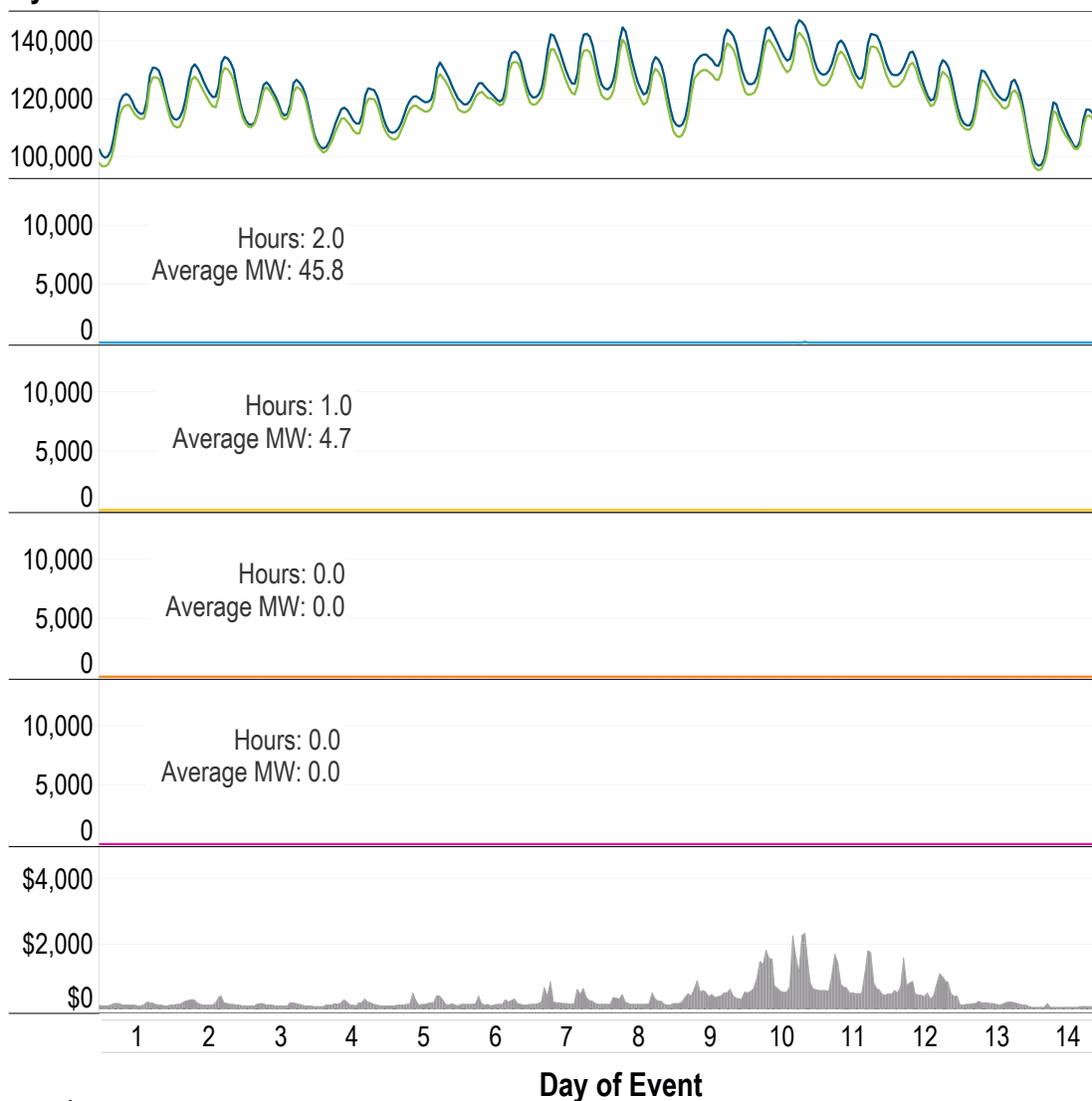
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



Legend



## Scenario: 46

**Load:** Extreme

**Refueling:** Limited

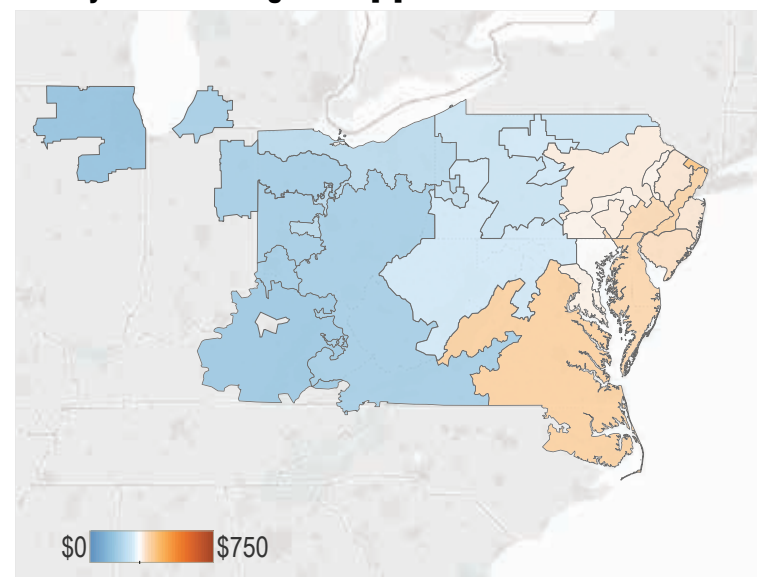
**Disruption:** None

**Non-Firm Avail:** 62.50%

**Retirement:** Announced

**Dispatch:** Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.49M

0	1	2	3	4	7	7	14	32	46	60	64	64	58
---	---	---	---	---	---	---	----	----	----	----	----	----	----

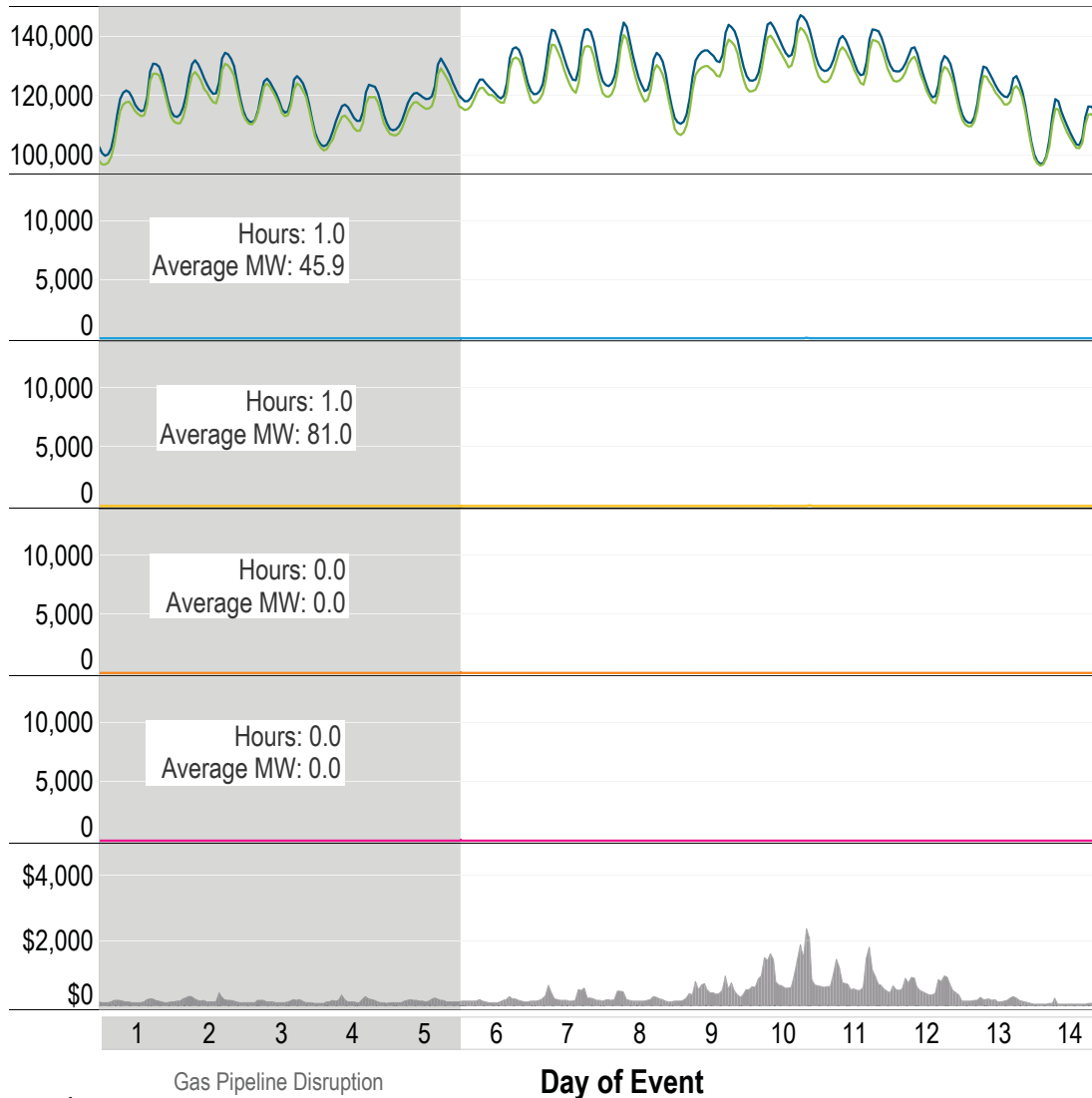
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

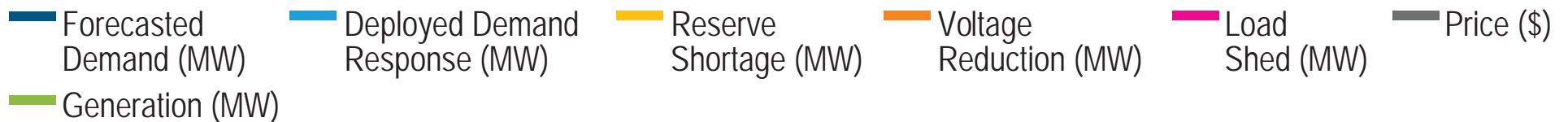
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



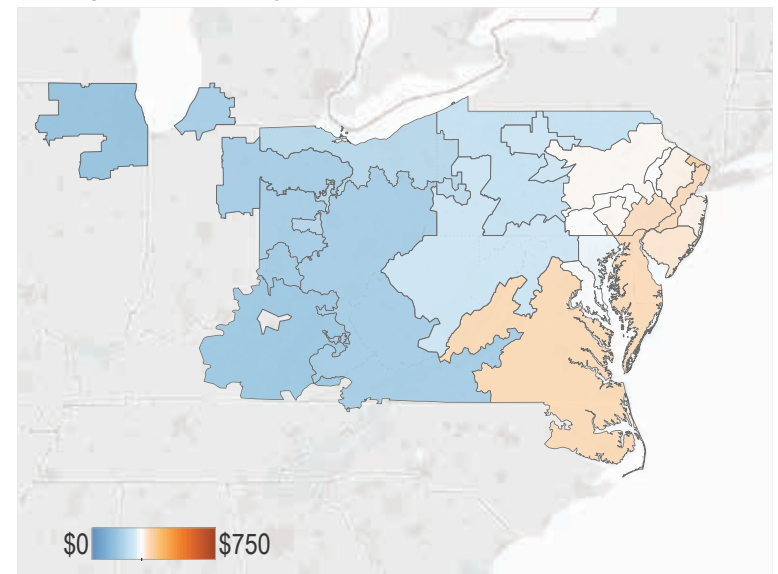
## Legend



## Scenario: 47

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 3.59M

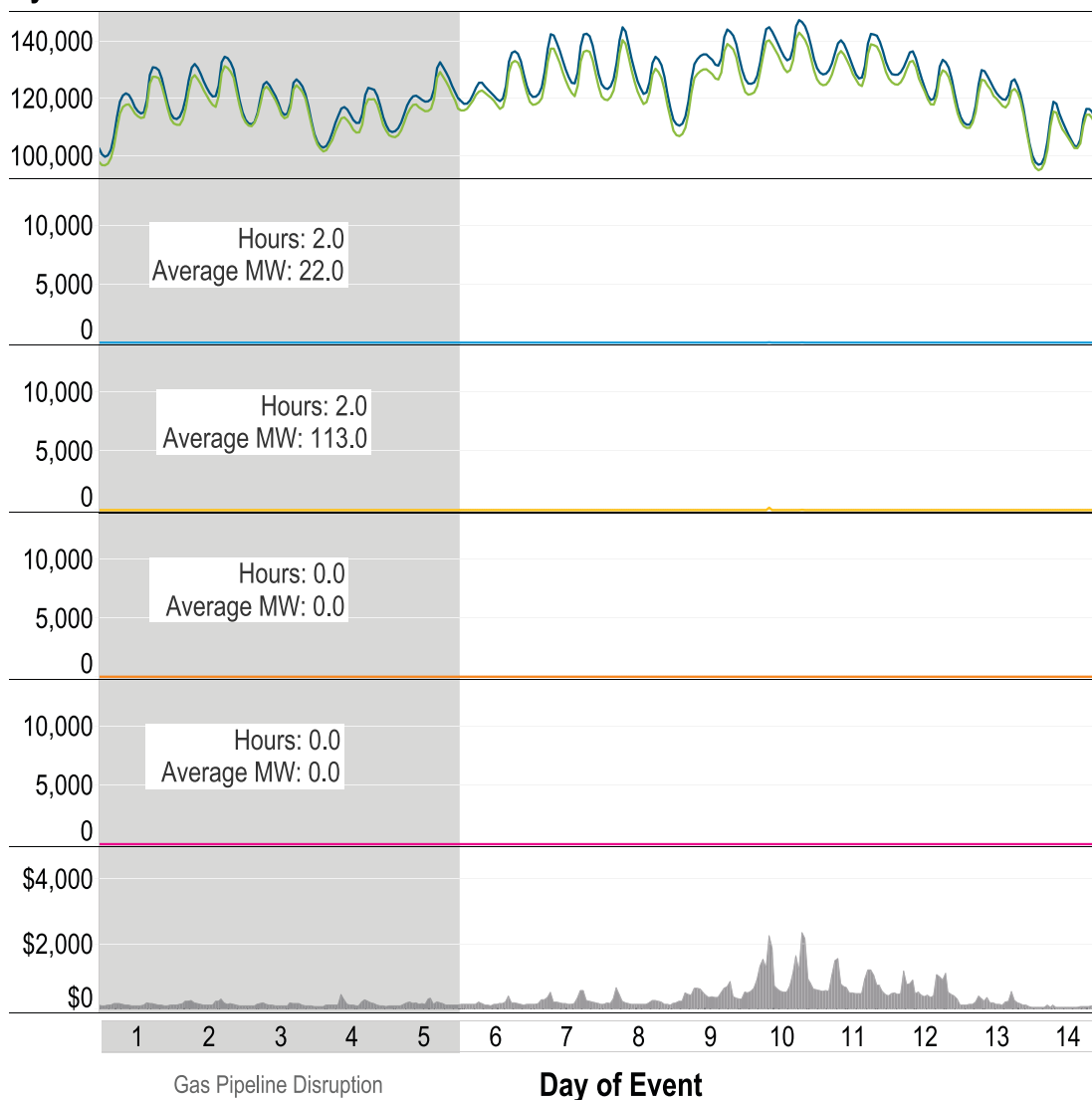


\*141 Total Sites

## Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



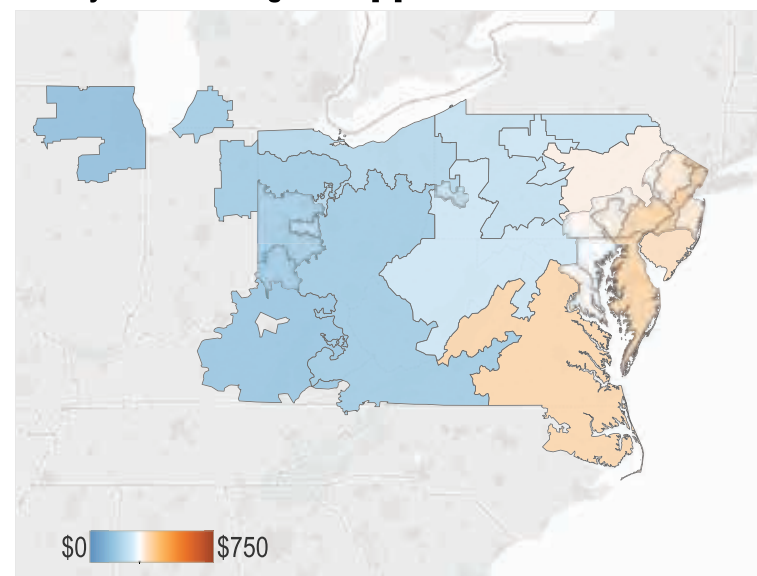
Legend



## Scenario: 48

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.46M

0 1 3 3 5 7 7 14 32 46 61 65 65 59

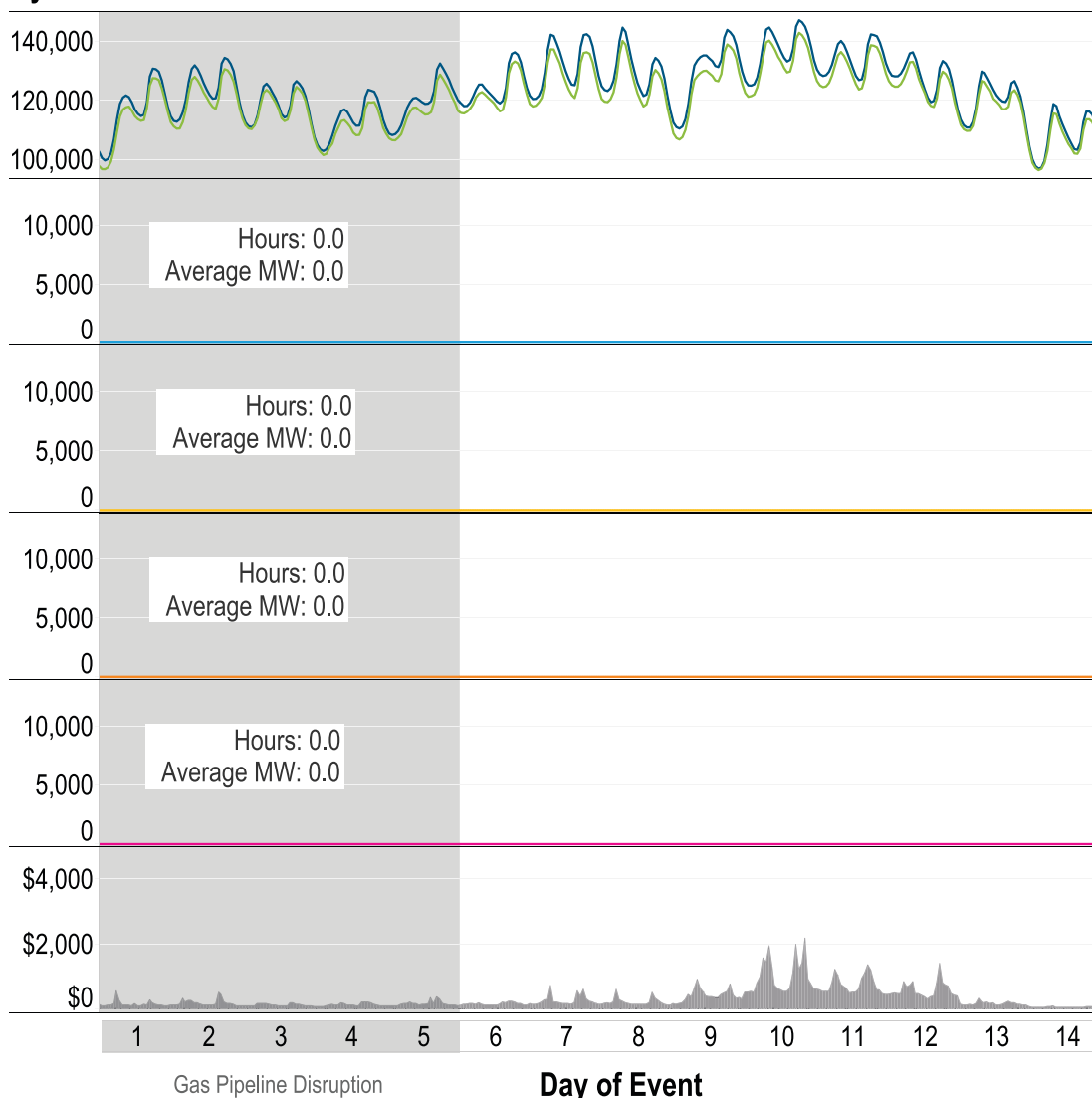
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



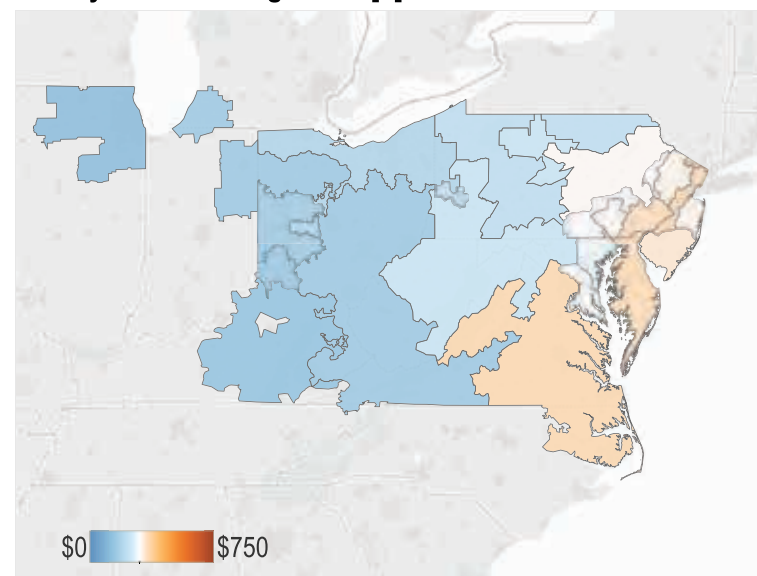
Legend



## Scenario: 49

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.51M

0	1	3	3	3	7	8	14	33	46	62	66	64	59
---	---	---	---	---	---	---	----	----	----	----	----	----	----

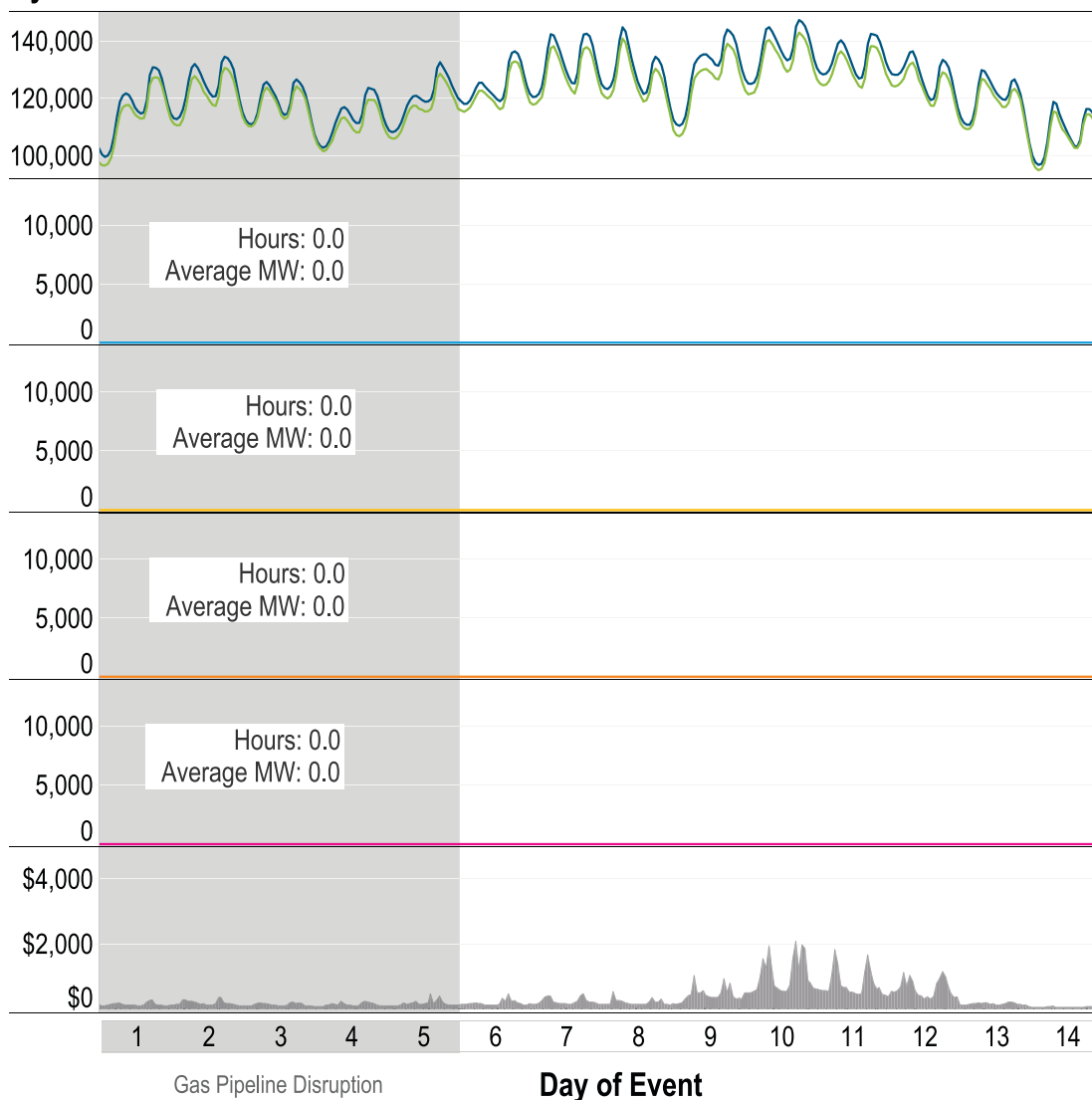
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



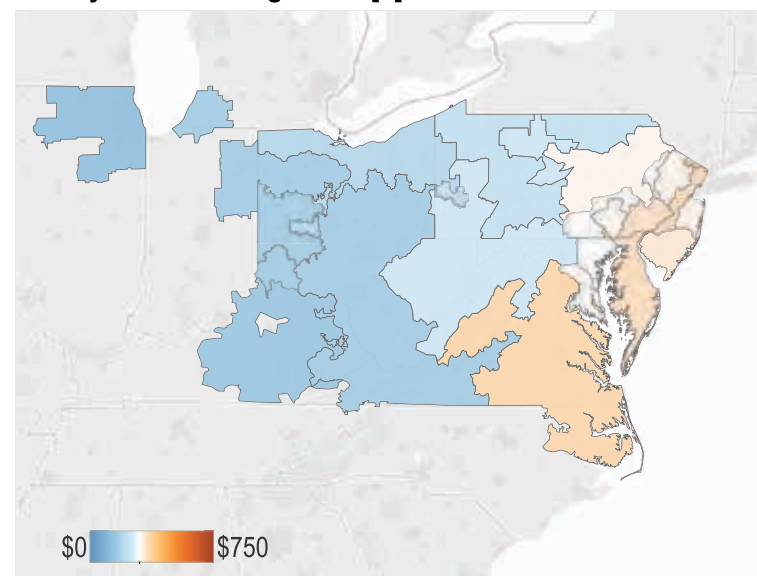
Legend



## Scenario: 50

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.63M

0 1 3 4 5 7 9 12 29 47 63 65 64 59

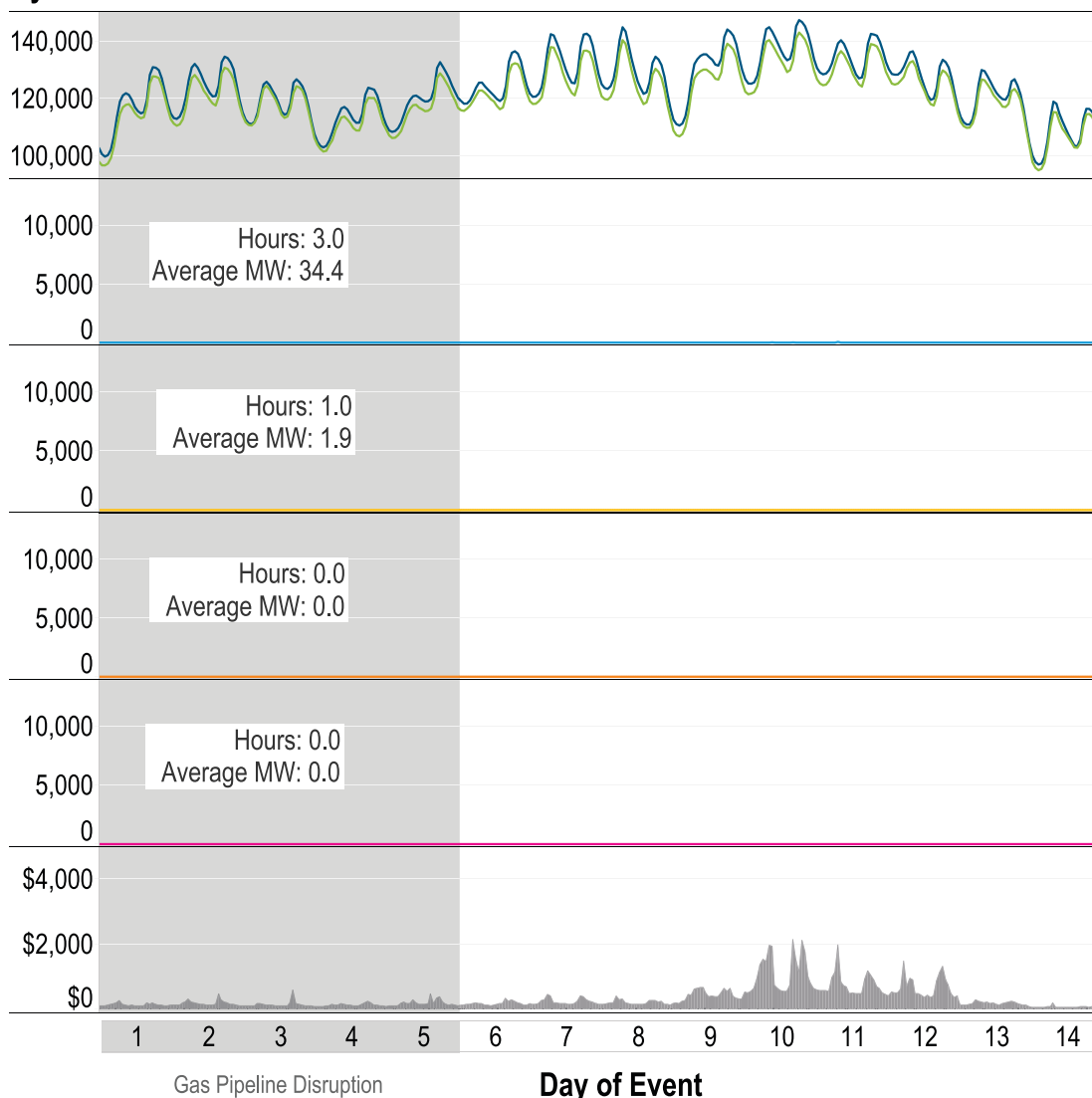
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



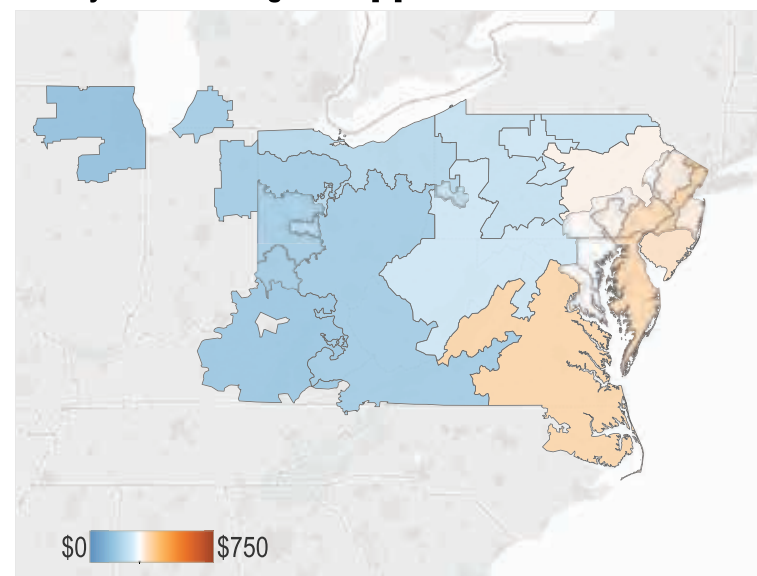
Legend



## Scenario: 51

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.54M

0 1 2 3 5 7 9 14 34 48 63 67 68 61

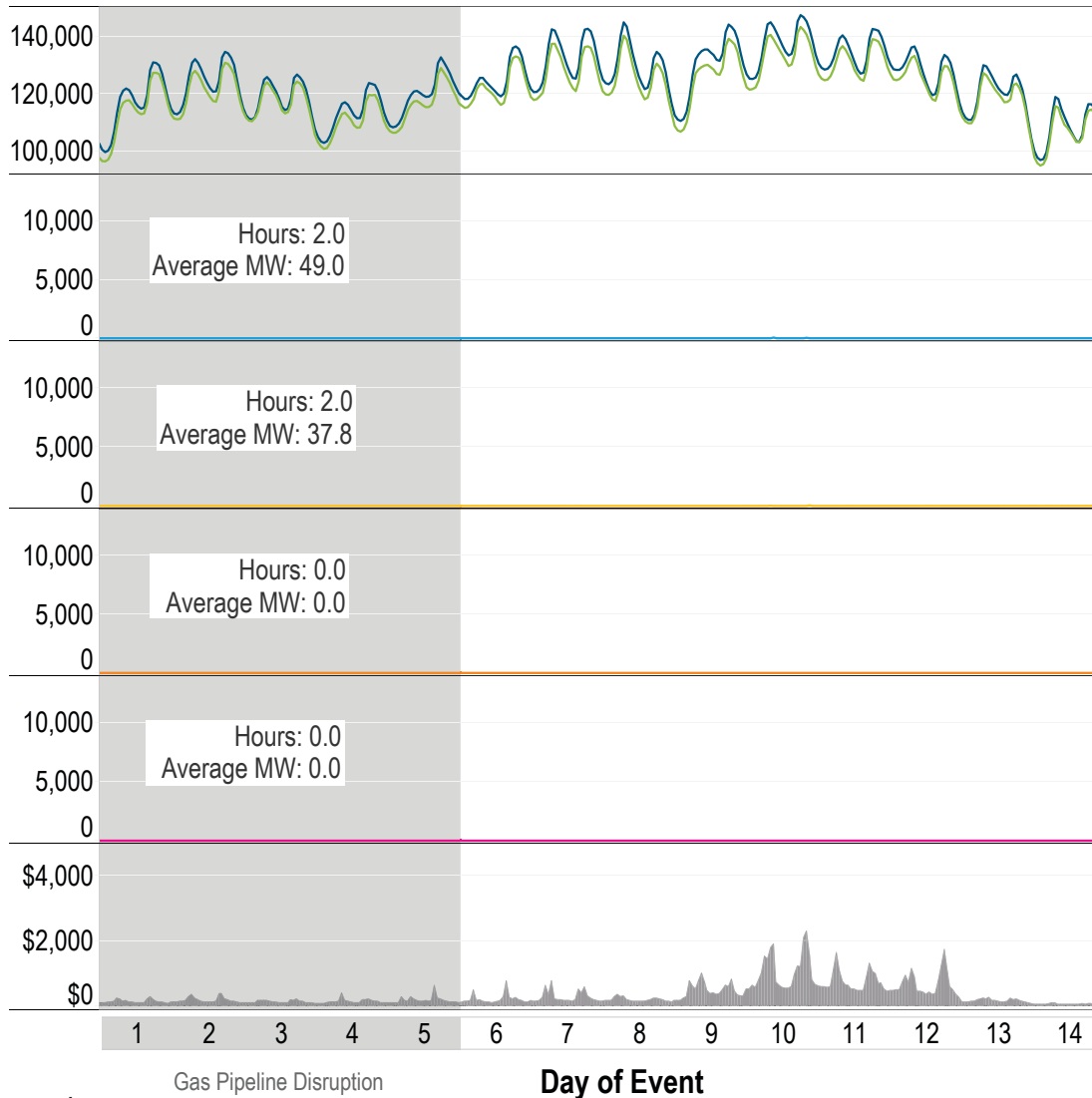
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



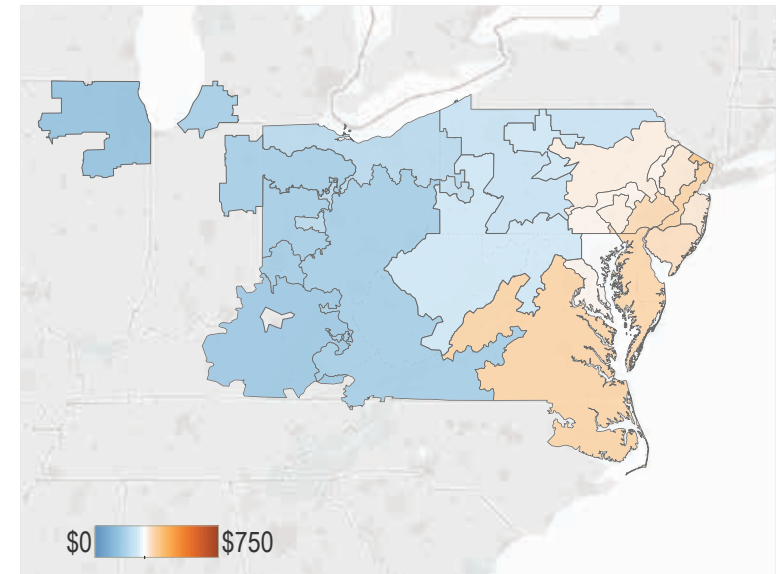
Legend



## Scenario: 52

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.48M

0 2 4 4 4 7 9 14 33 46 62 65 64 59

1 2 3 4 5 6 7 8 9 10 11 12 13 14

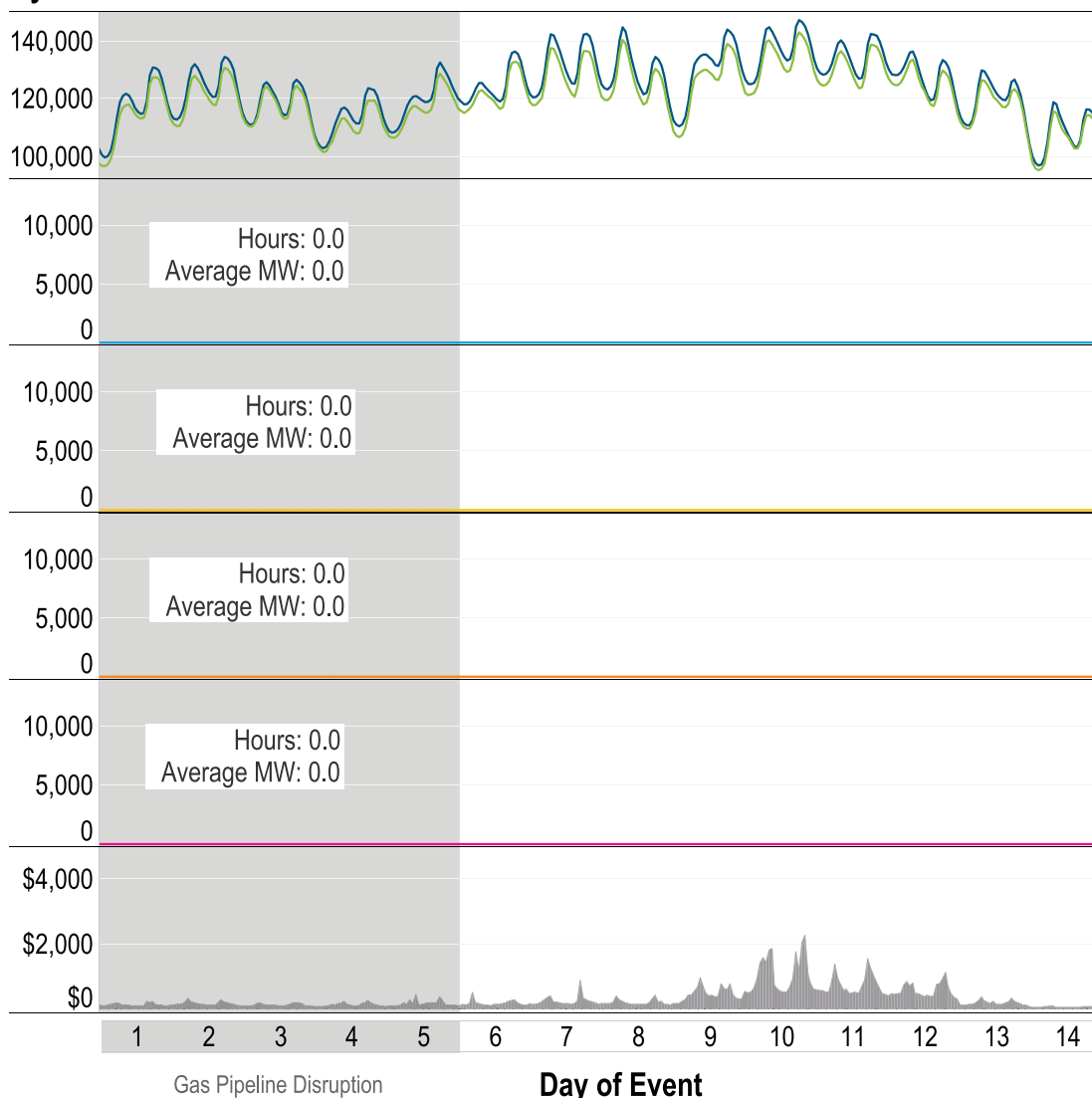
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



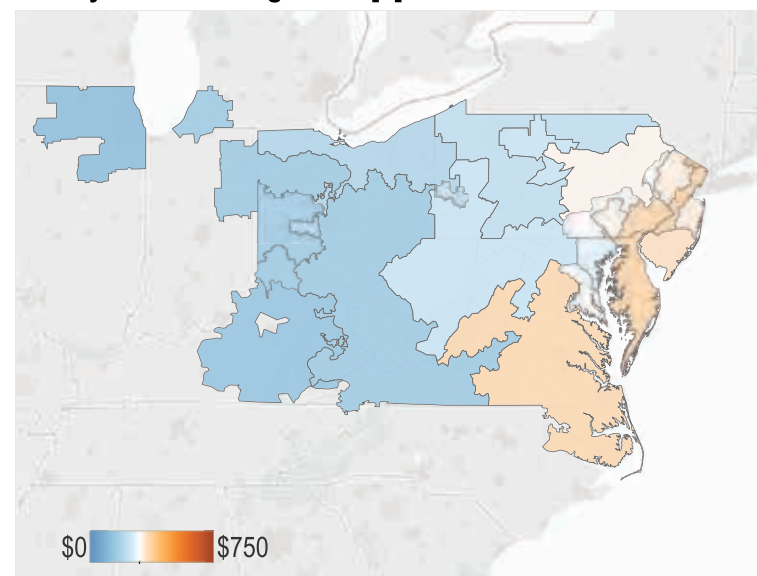
Legend



## Scenario: 53

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.48M

0	1	3	3	3	7	8	13	30	44	60	64	62	57
---	---	---	---	---	---	---	----	----	----	----	----	----	----

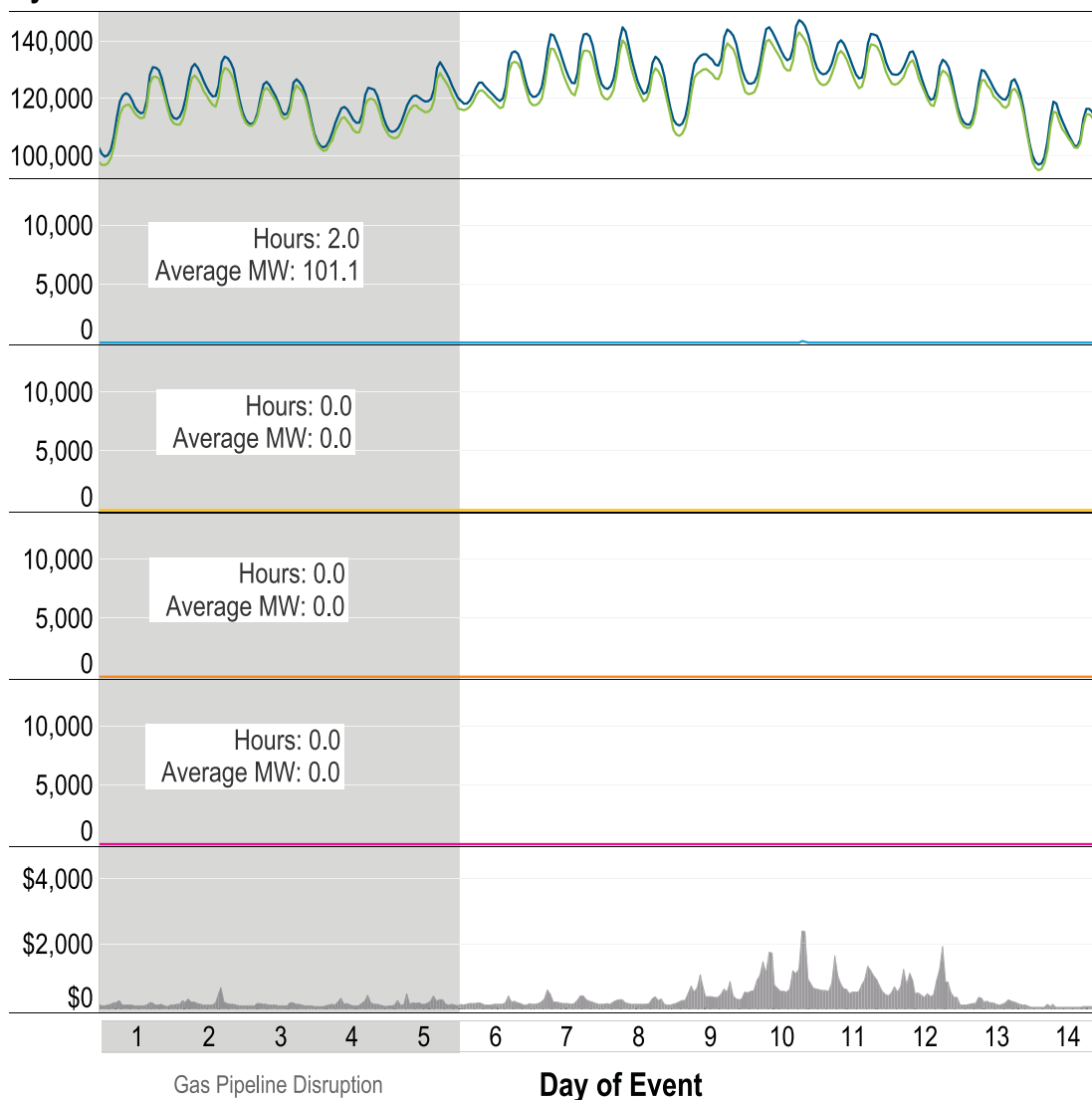
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

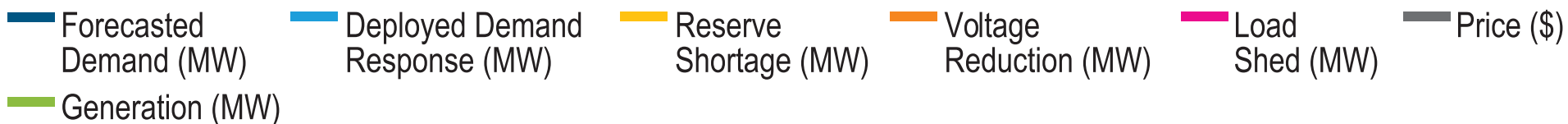
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



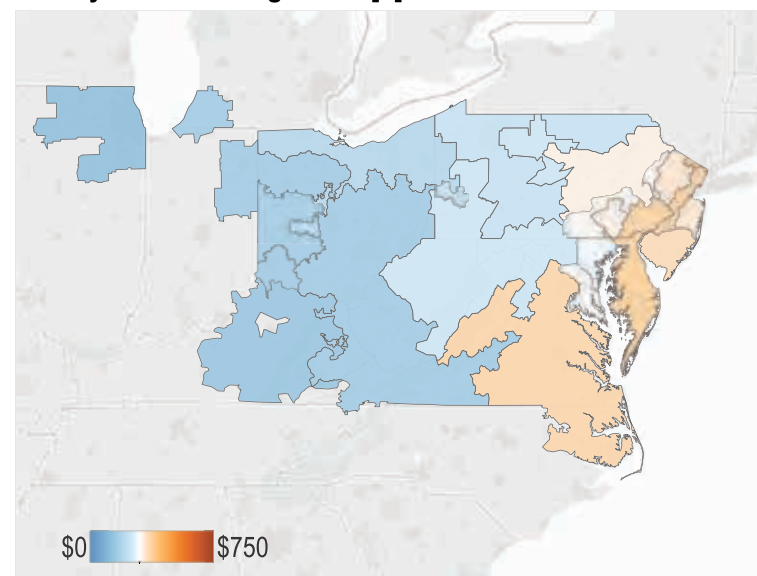
Legend



## Scenario: 54

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.65M

0	1	3	3	4	6	8	13	30	44	59	64	62	57
---	---	---	---	---	---	---	----	----	----	----	----	----	----

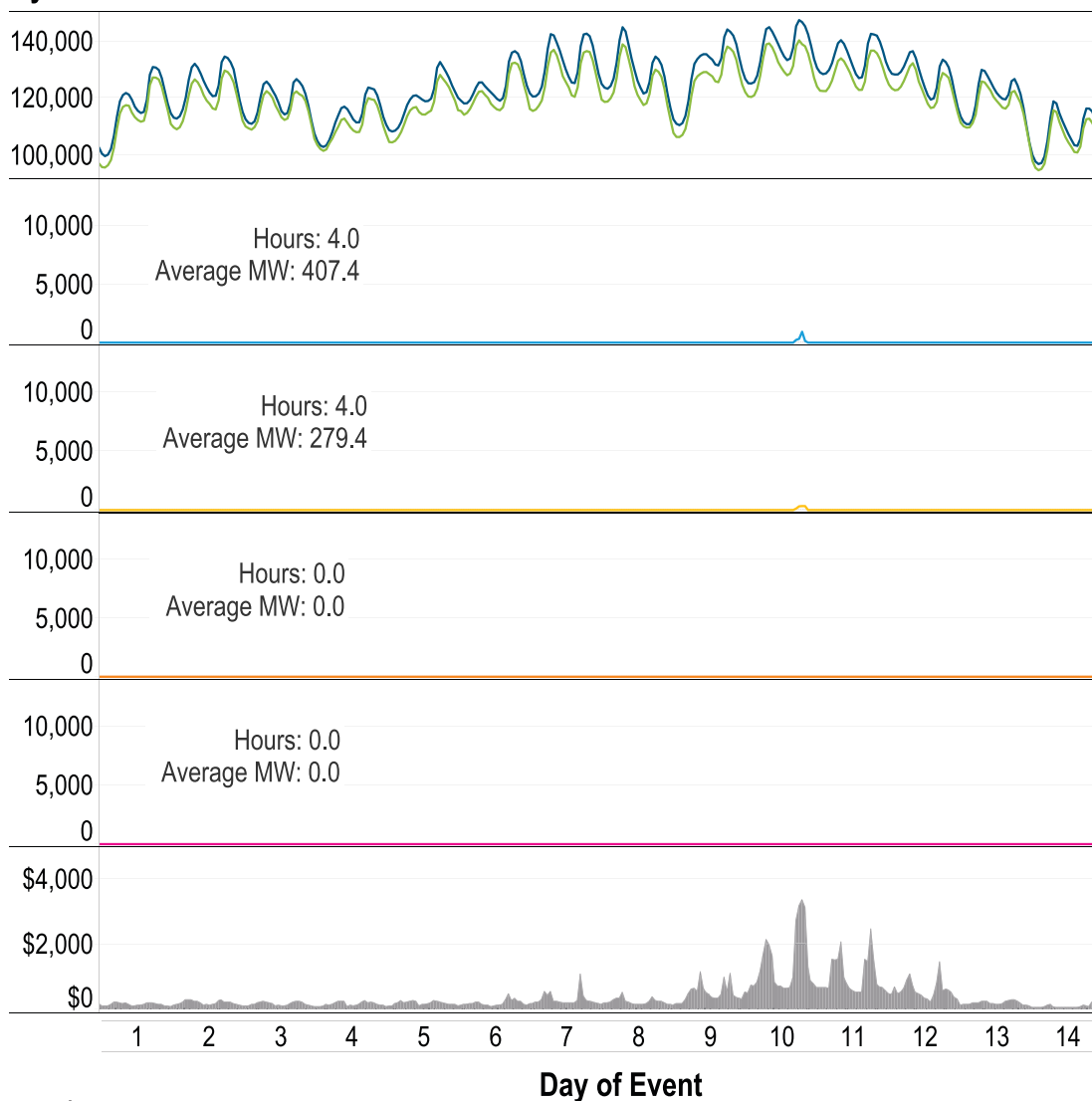
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

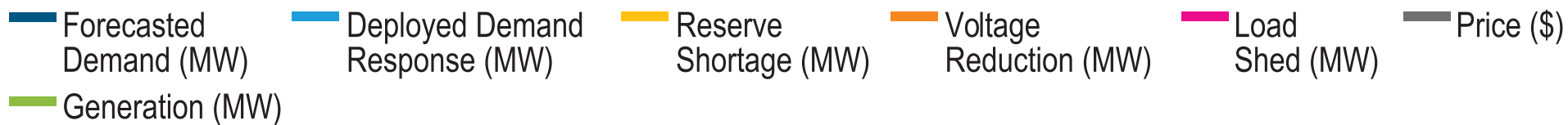
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



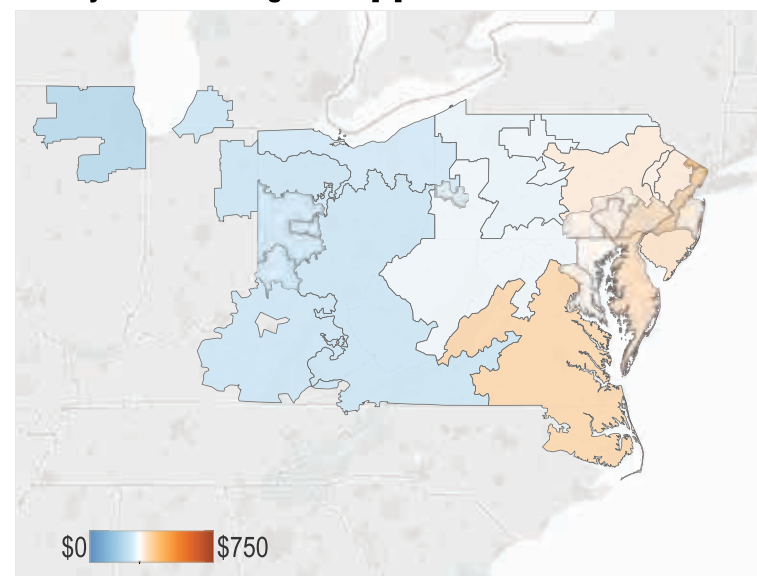
Legend



## Scenario: 55

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.21M

0	0	0	0	1	1	1	2	3	9	21	22	4	1
---	---	---	---	---	---	---	---	---	---	----	----	---	---

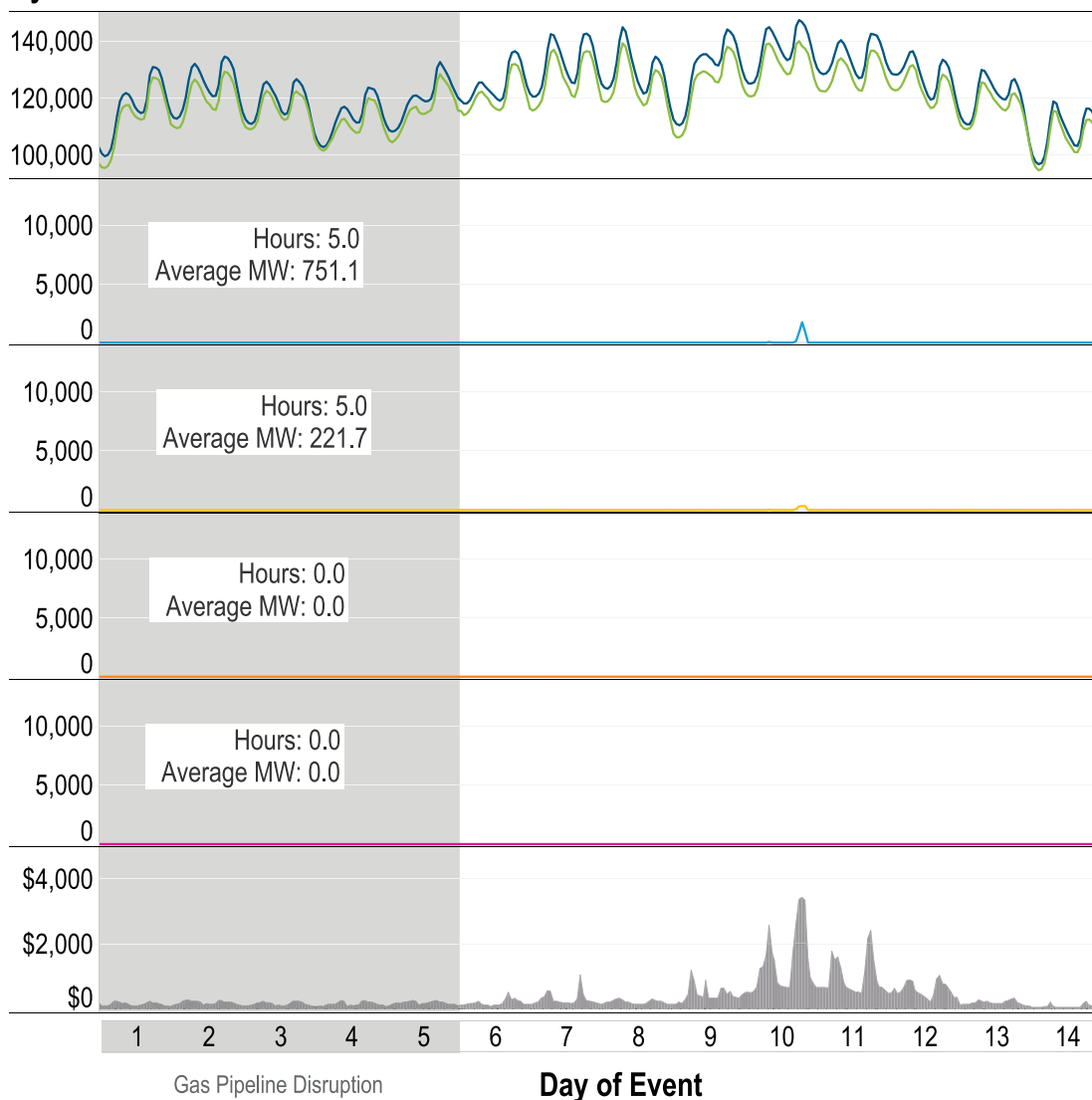
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



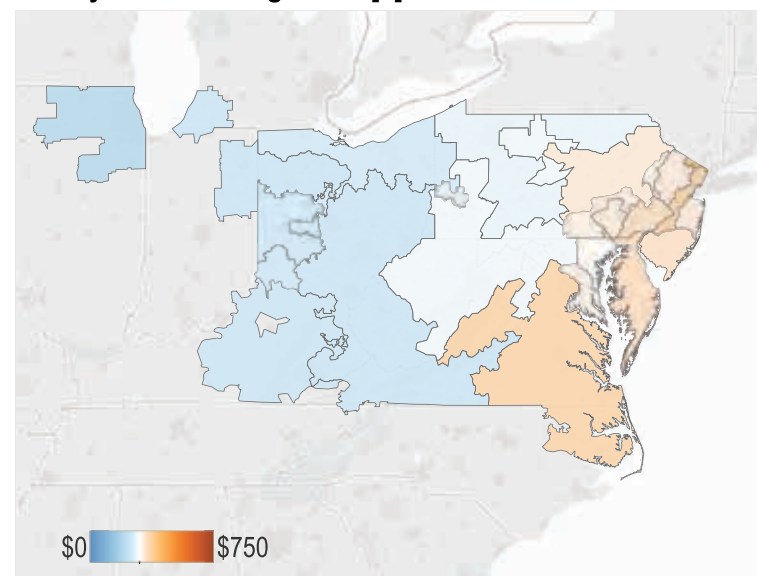
Legend



## Scenario: 56

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.21M

0	0	0	0	1	1	2	4	4	9	21	21	2	1
---	---	---	---	---	---	---	---	---	---	----	----	---	---

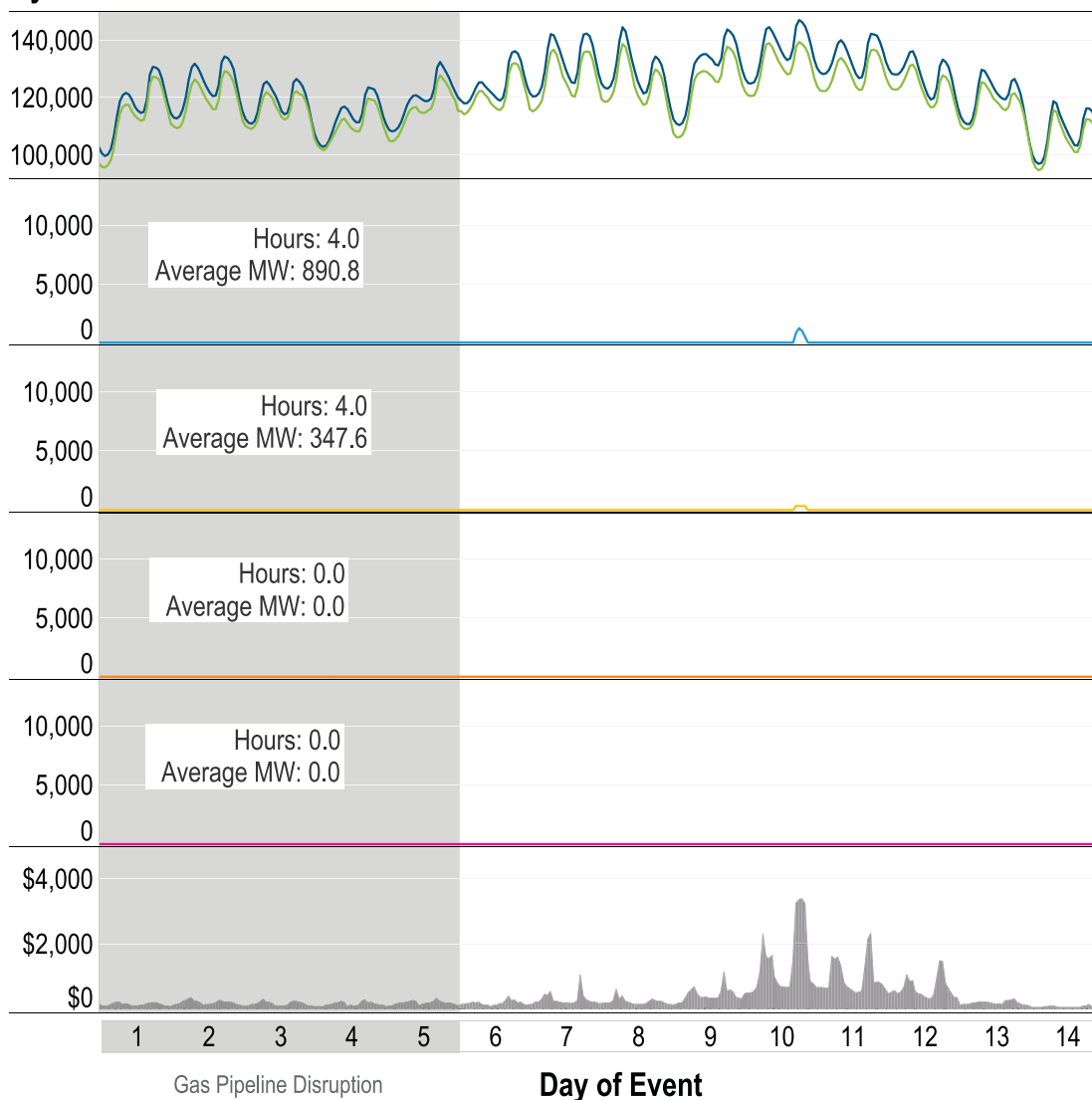
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



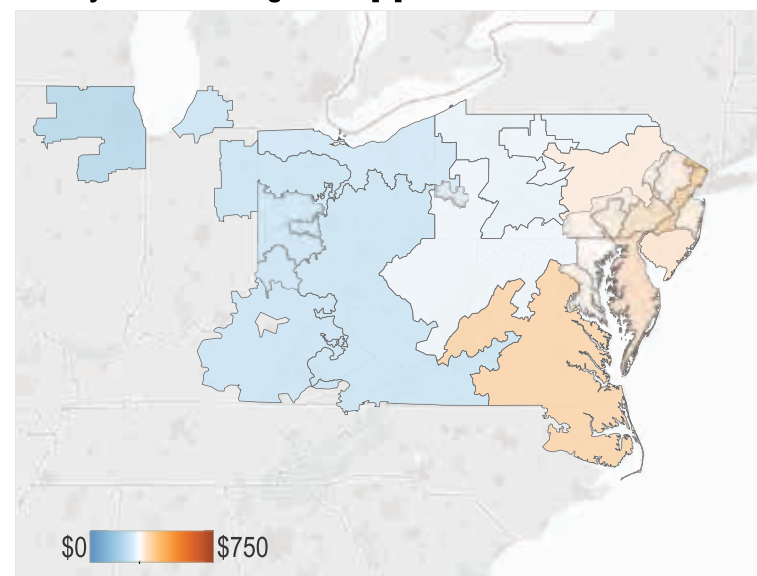
Legend



## Scenario: 57

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.26M

0	0	0	0	1	1	1	2	3	11	20	21	4	1
---	---	---	---	---	---	---	---	---	----	----	----	---	---

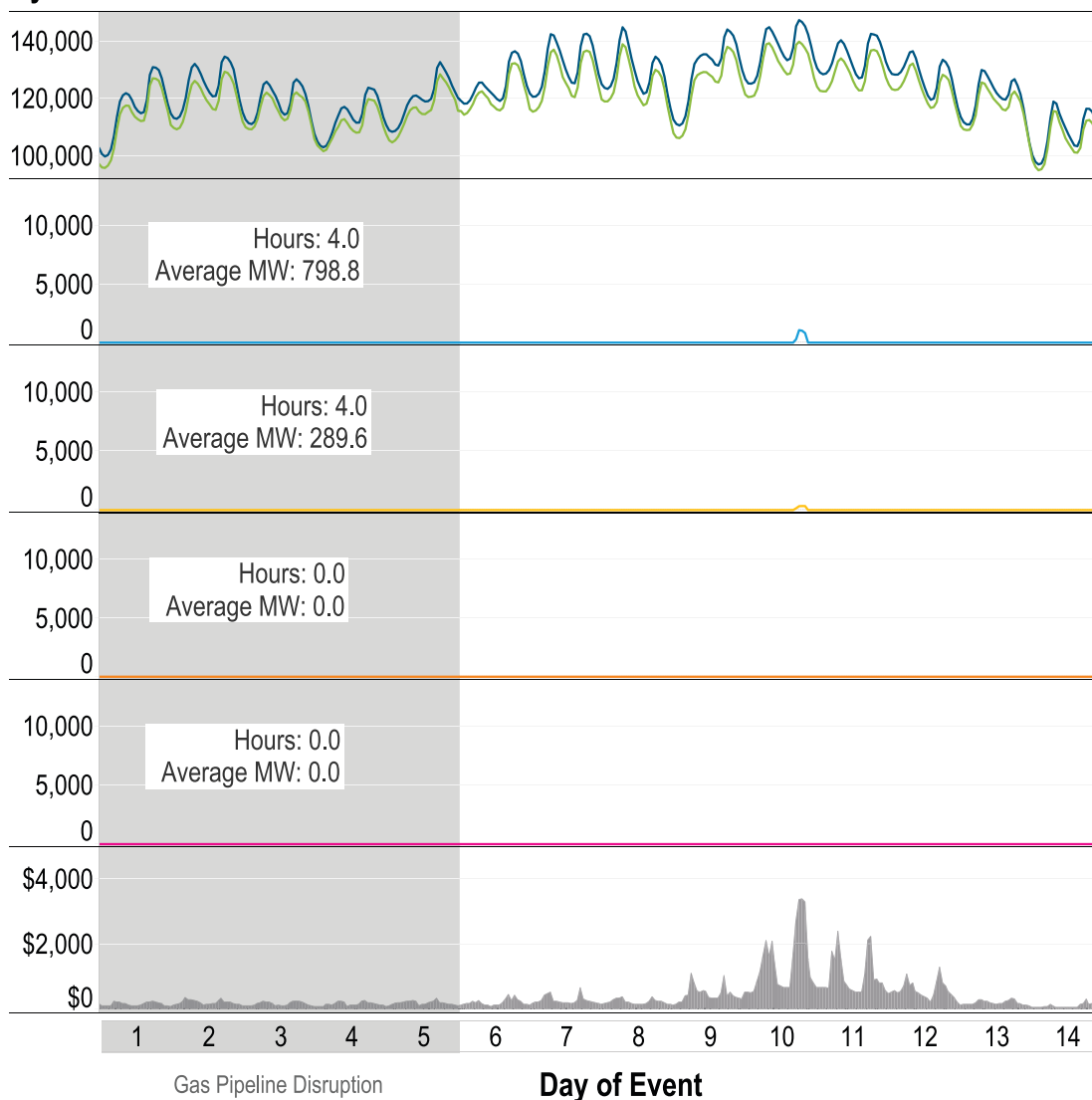
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



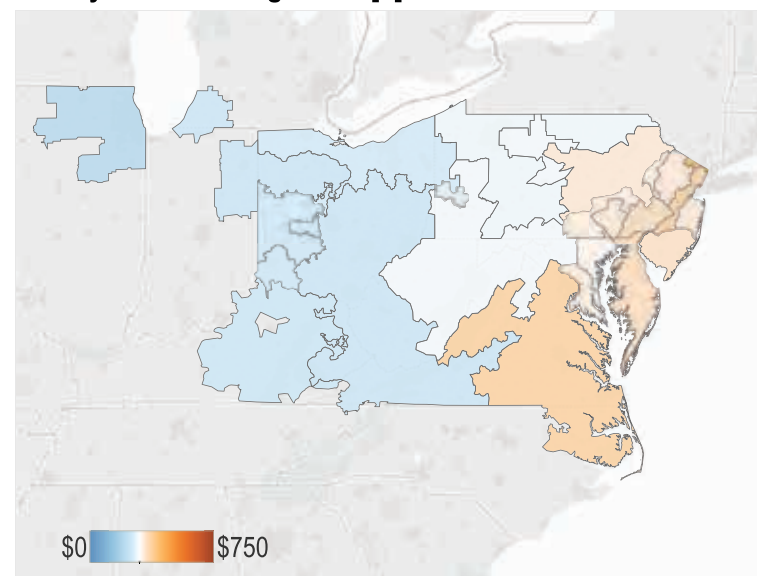
Legend



## Scenario: 58

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.15M

0	0	0	0	1	1	2	2	5	10	22	23	3	1
---	---	---	---	---	---	---	---	---	----	----	----	---	---

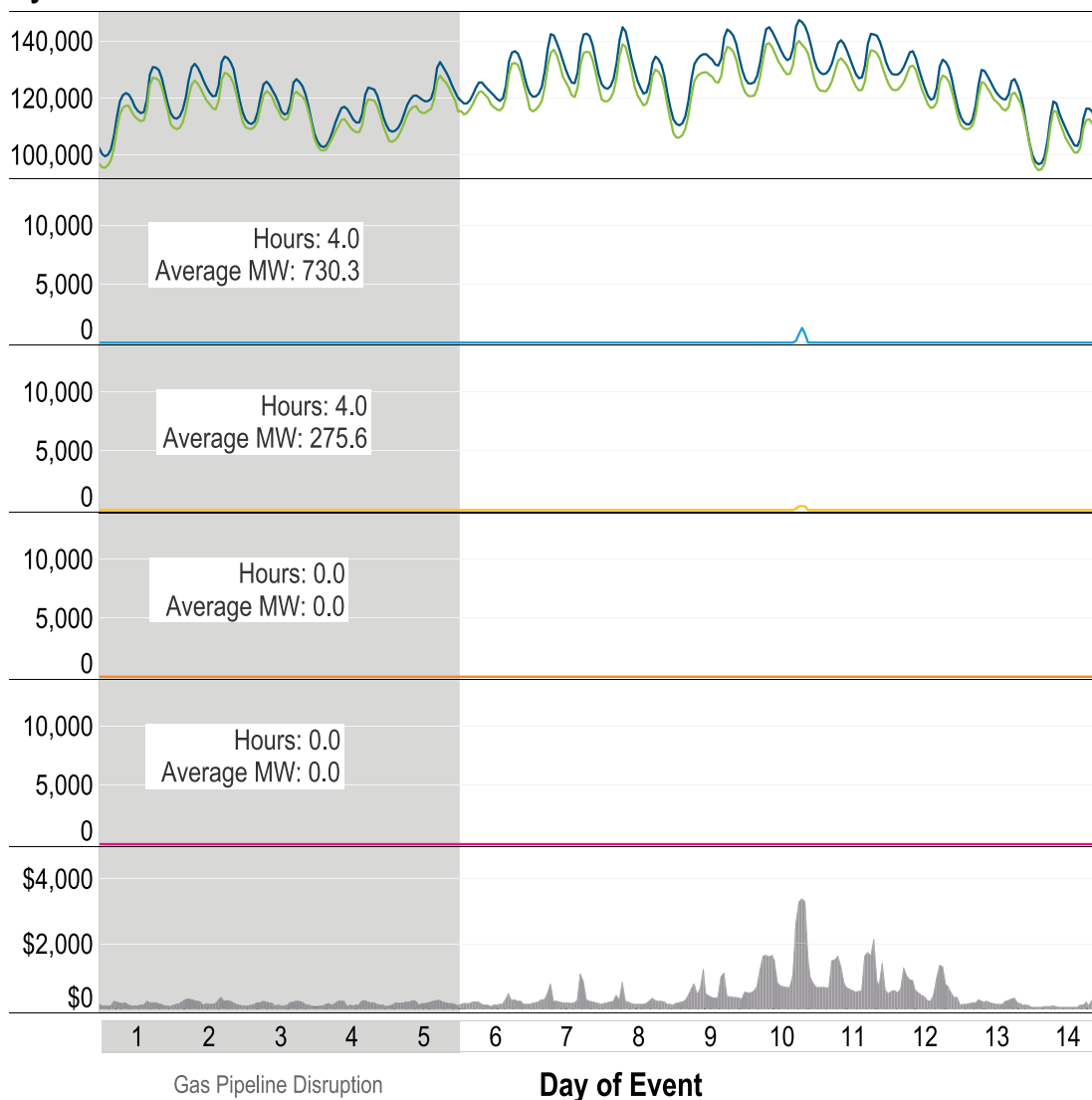
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

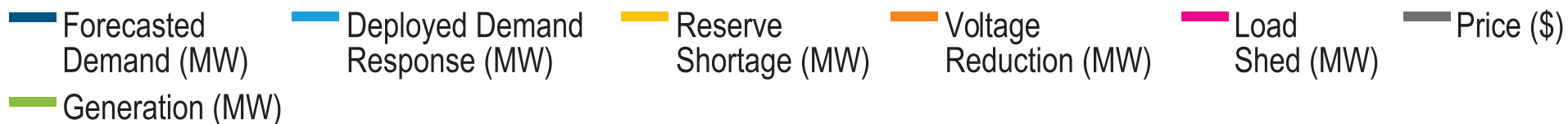
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



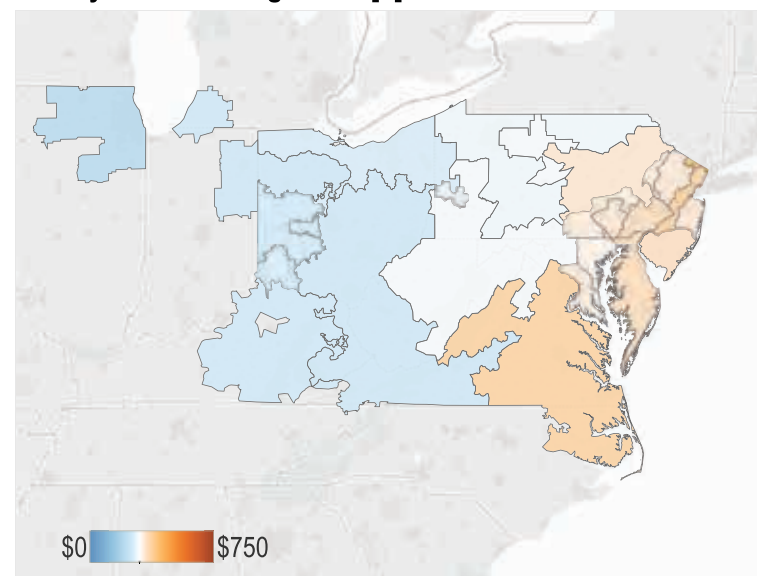
Legend



## Scenario: 59

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.20M

0	0	0	0	1	1	1	4	4	9	23	20	3	1
---	---	---	---	---	---	---	---	---	---	----	----	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

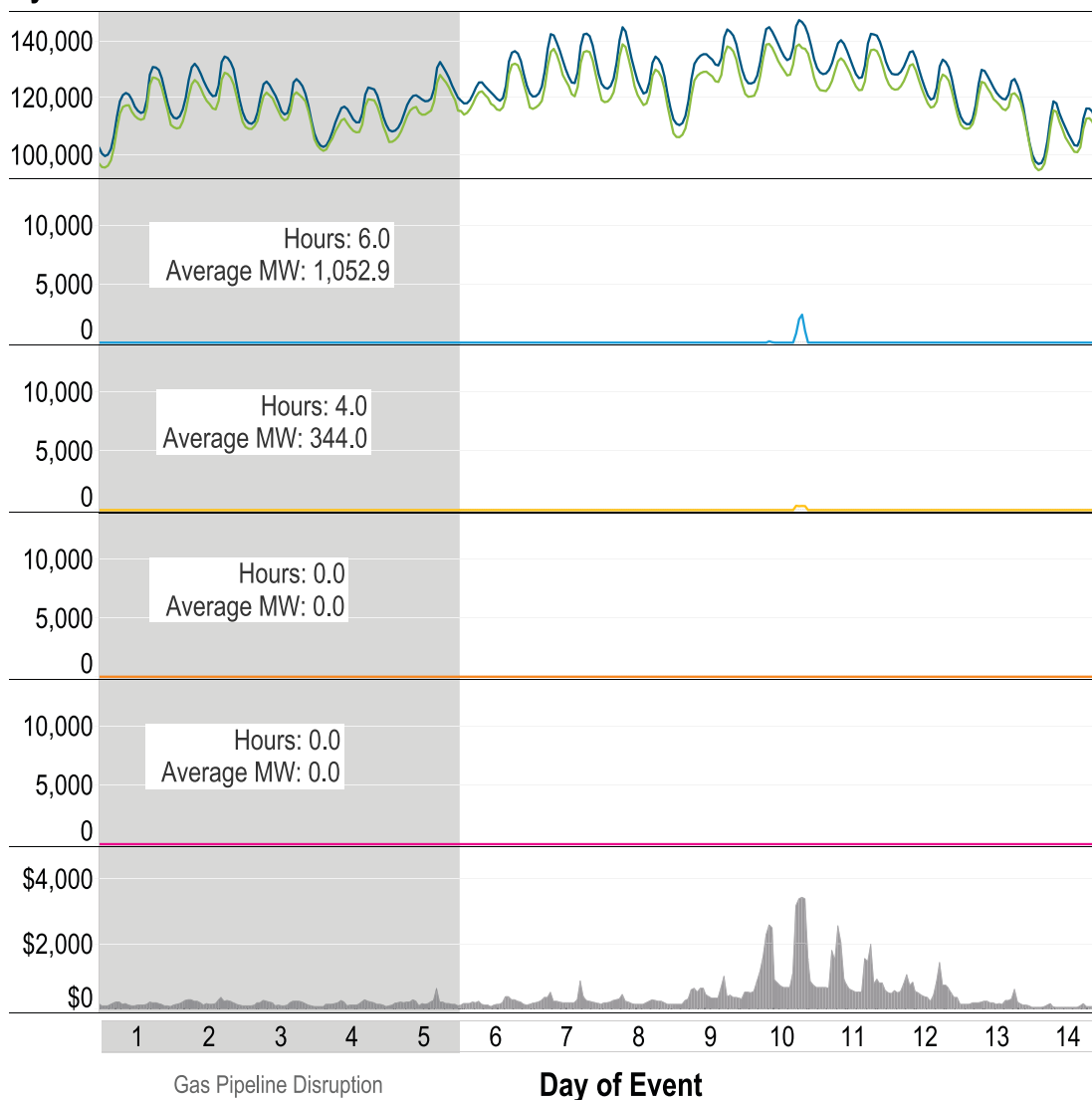
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



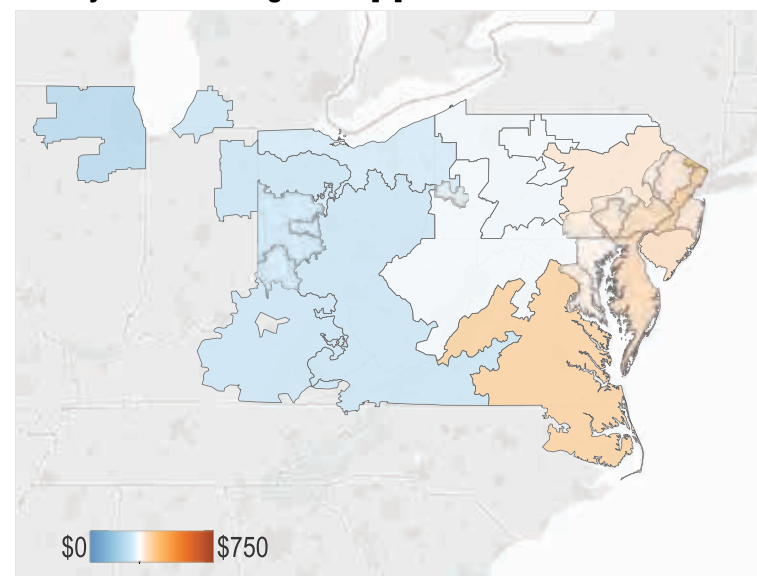
Legend



## Scenario: 60

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.22M

0	0	0	0	1	1	1	2	4	8	22	22	3	1
---	---	---	---	---	---	---	---	---	---	----	----	---	---

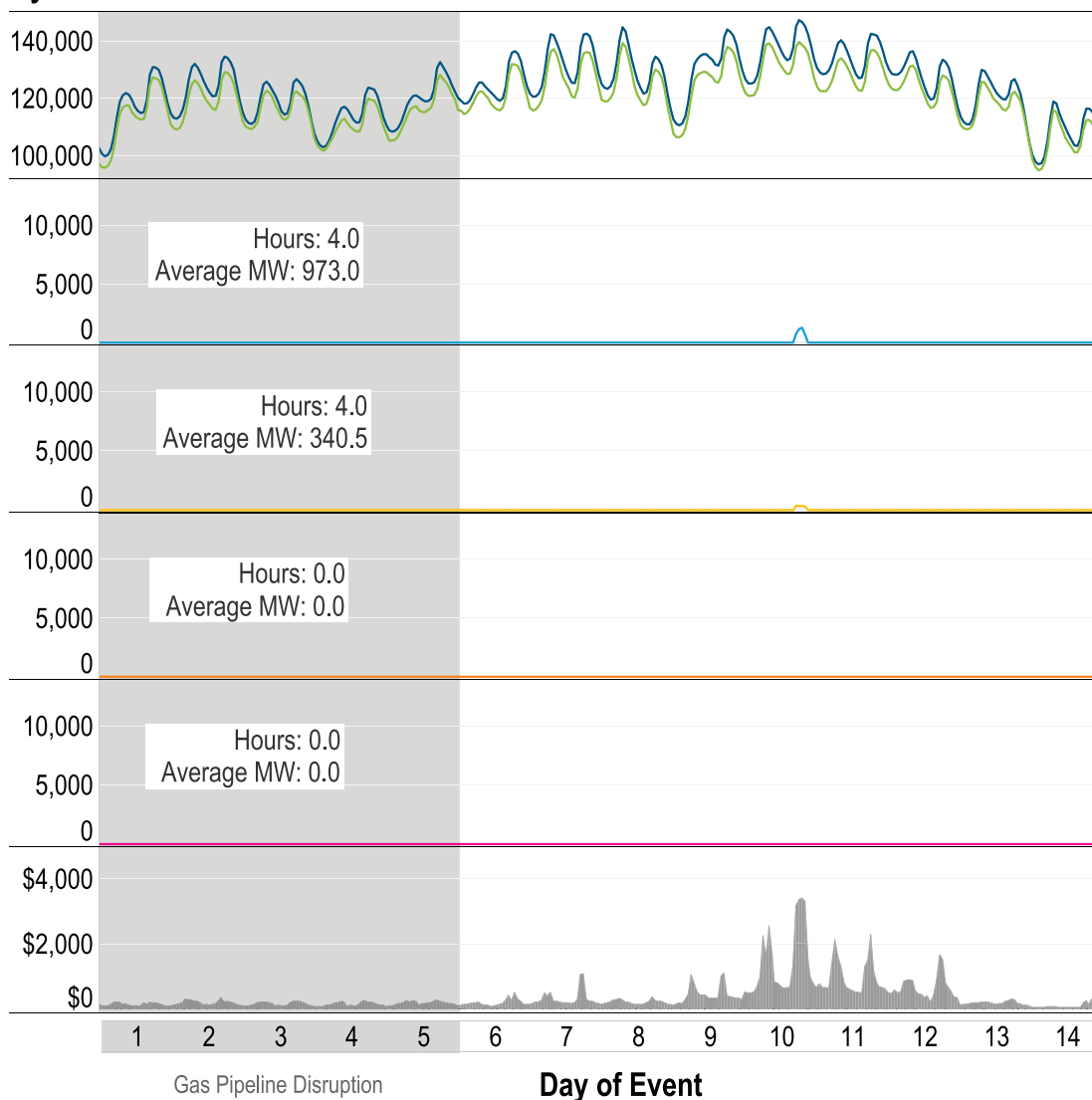
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



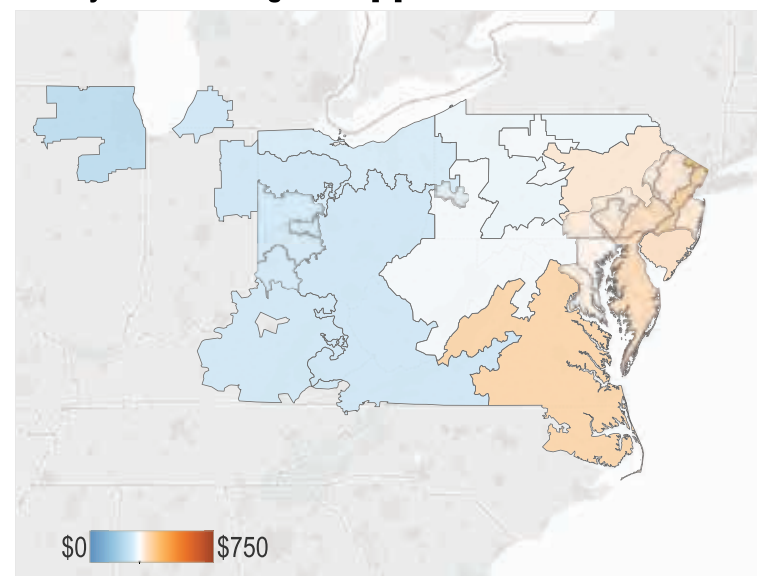
Legend



## Scenario: 61

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.22M

0	0	0	0	1	1	2	2	4	10	22	22	3	1
---	---	---	---	---	---	---	---	---	----	----	----	---	---

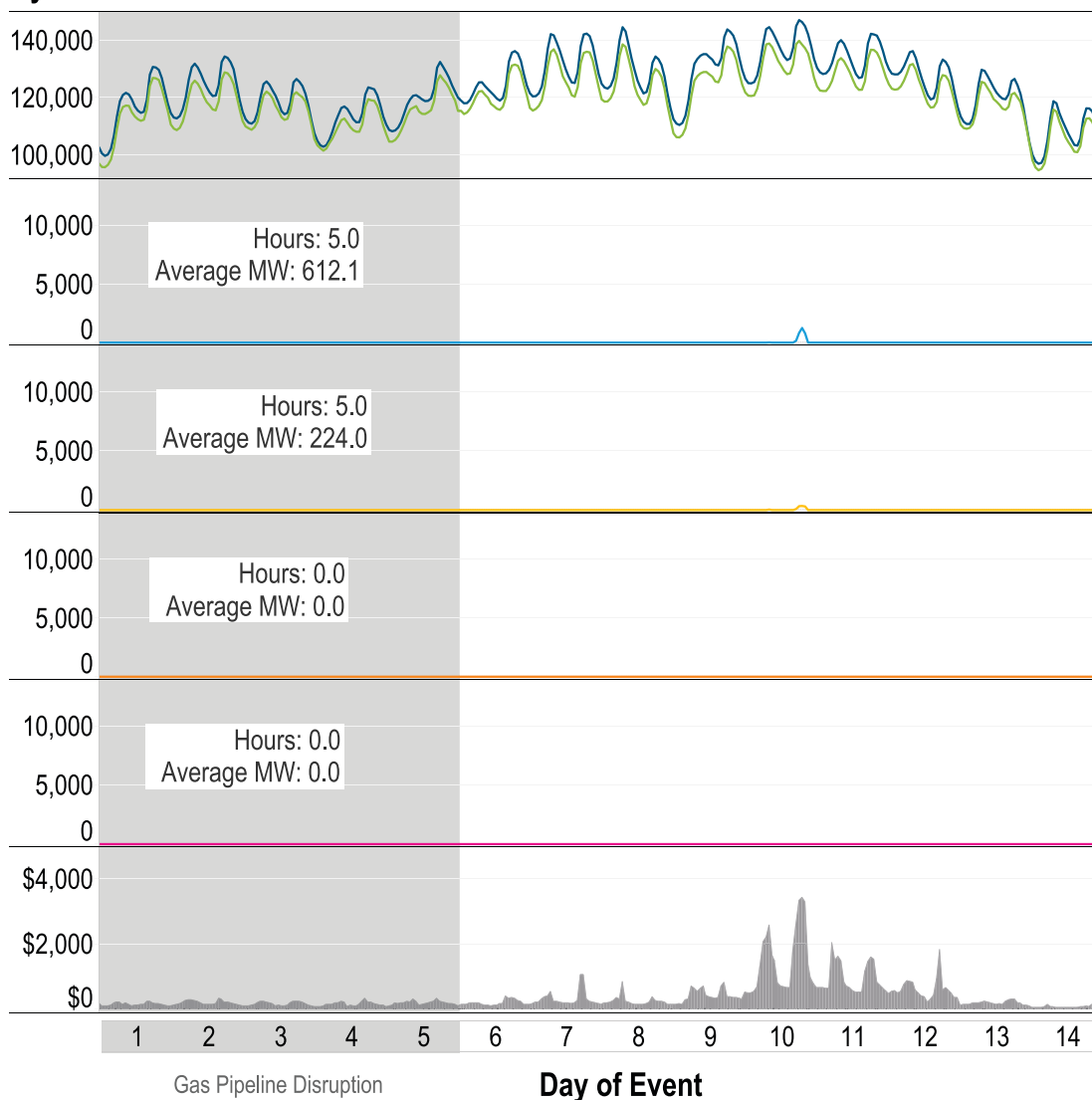
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



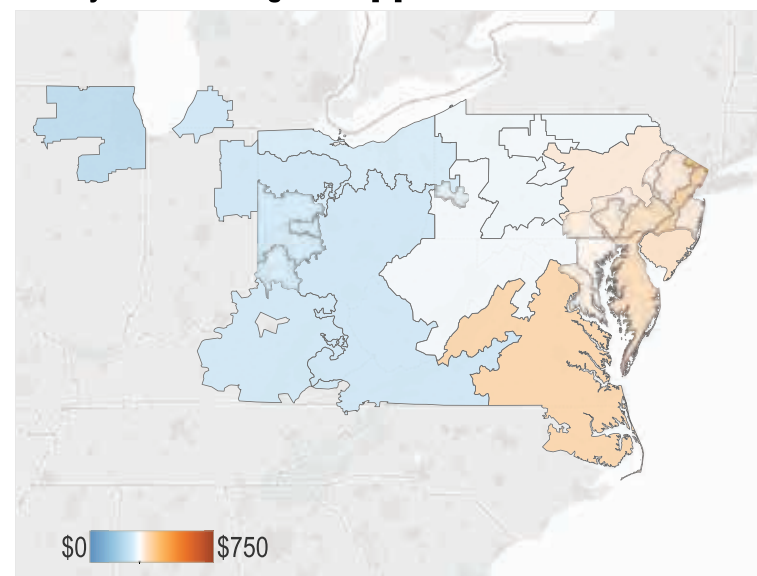
Legend



## Scenario: 62

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.24M

0	0	0	0	1	1	2	3	4	10	23	21	4	1
---	---	---	---	---	---	---	---	---	----	----	----	---	---

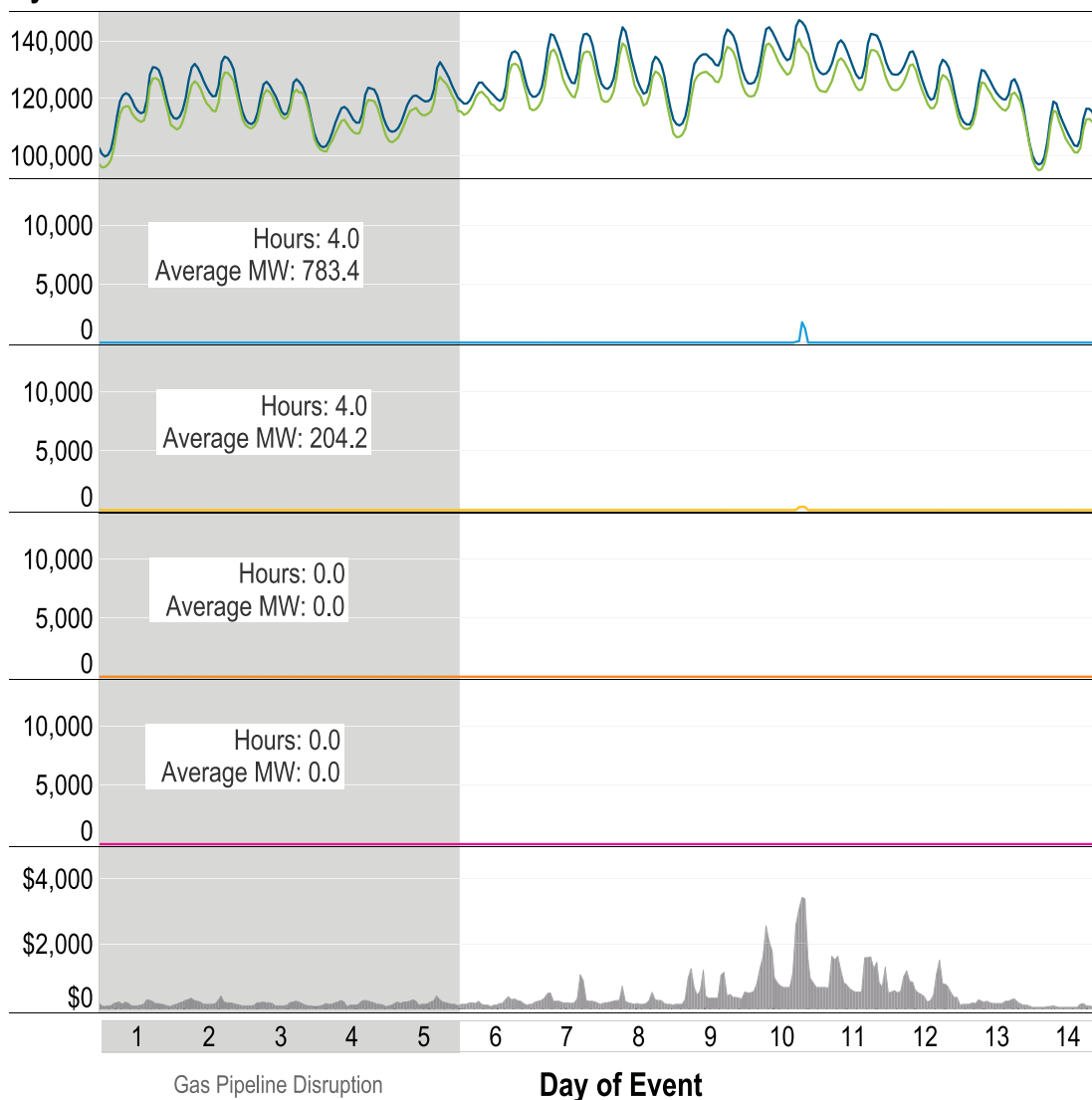
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



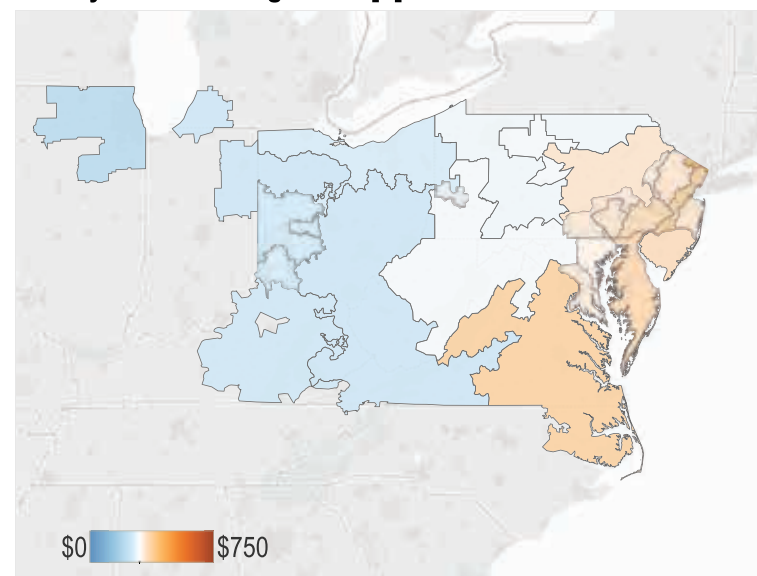
Legend



## Scenario: 63

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.28M

0	0	0	0	1	1	3	2	4	9	22	21	3	1
---	---	---	---	---	---	---	---	---	---	----	----	---	---

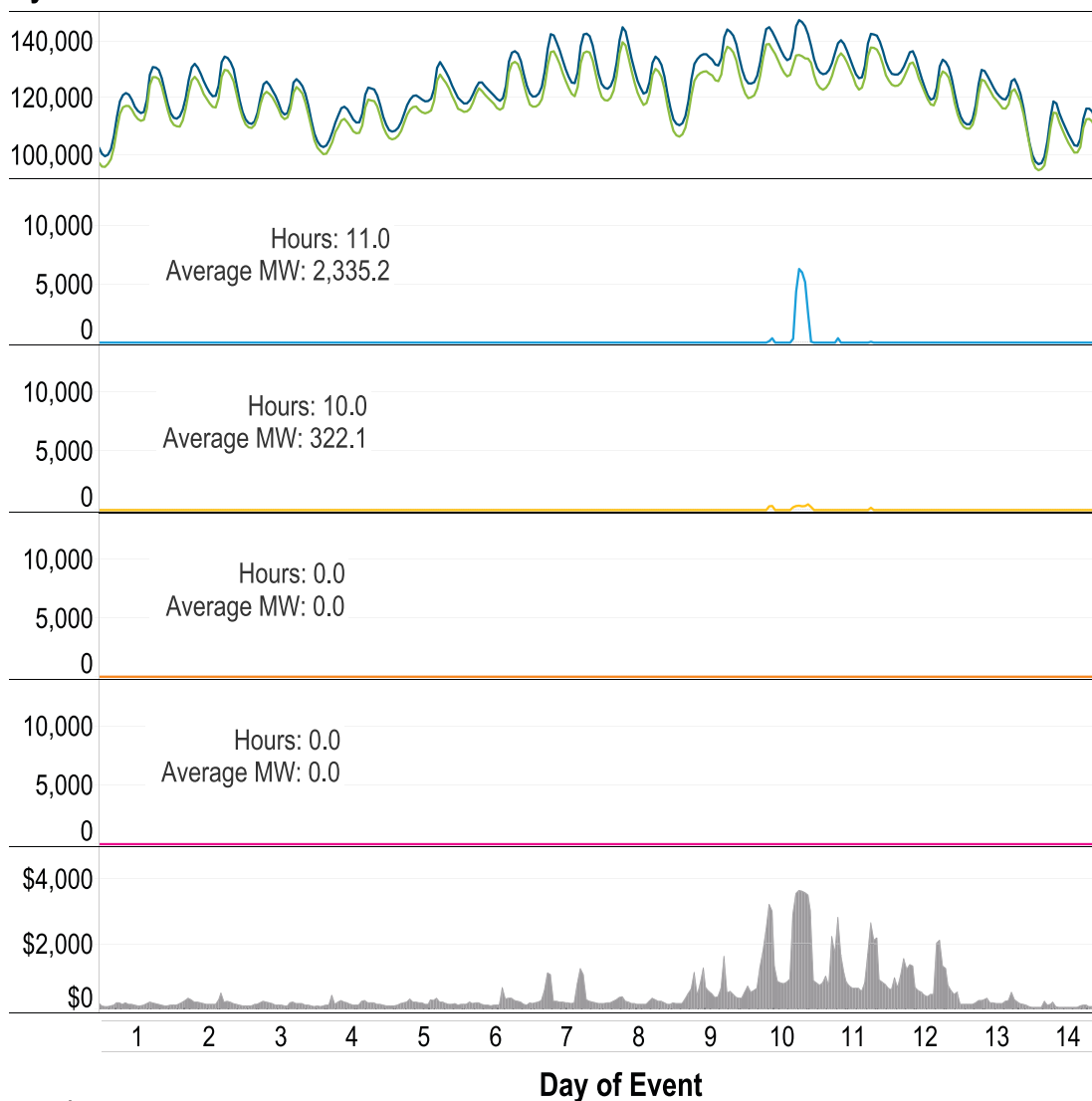
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

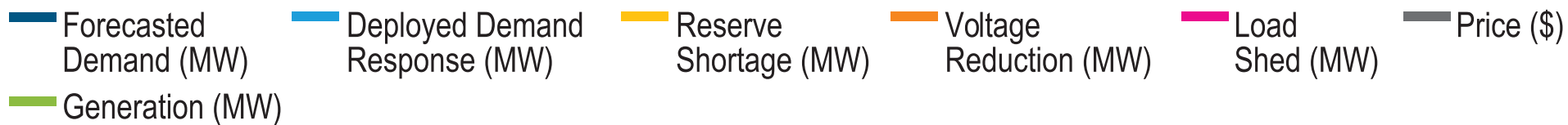
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



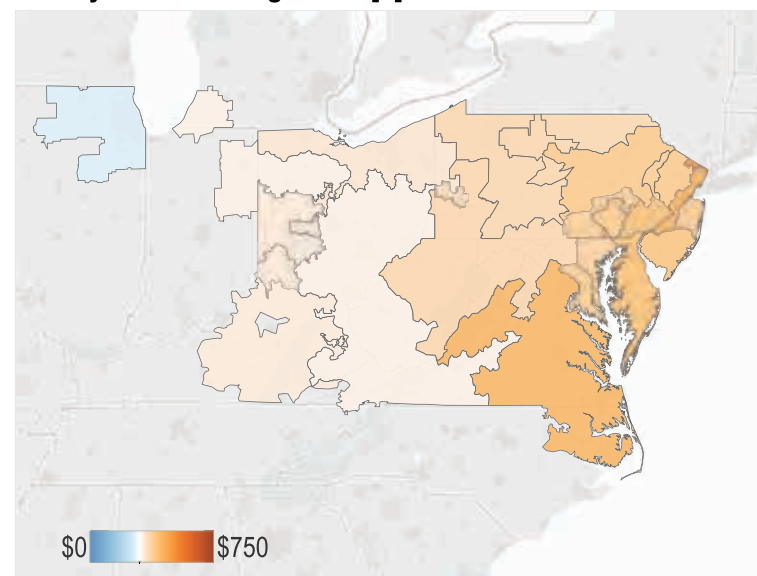
Legend



## Scenario: 64

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.08M

0 2 4 5 6 8 11 14 39 56 71 75 74 63

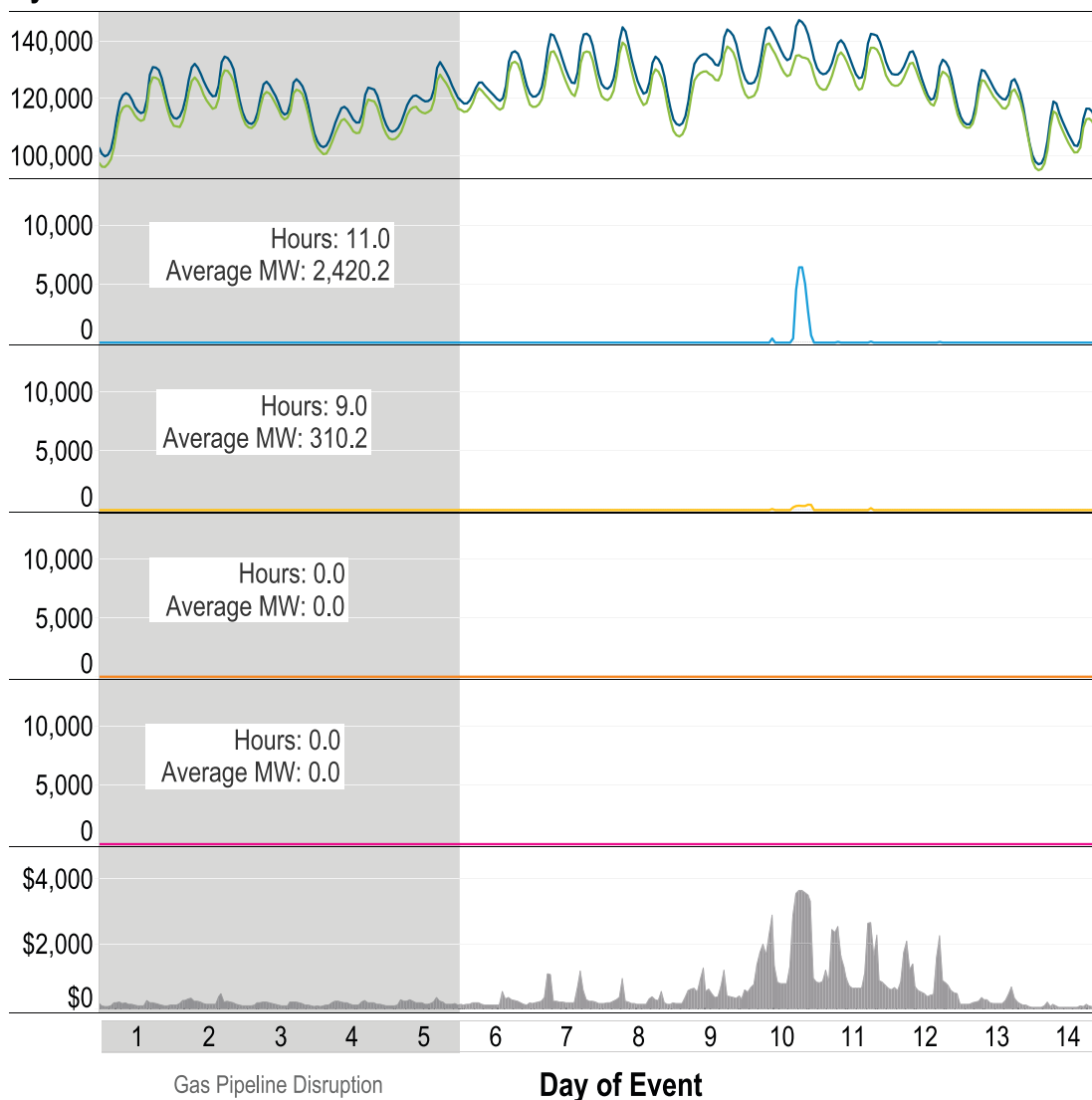
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



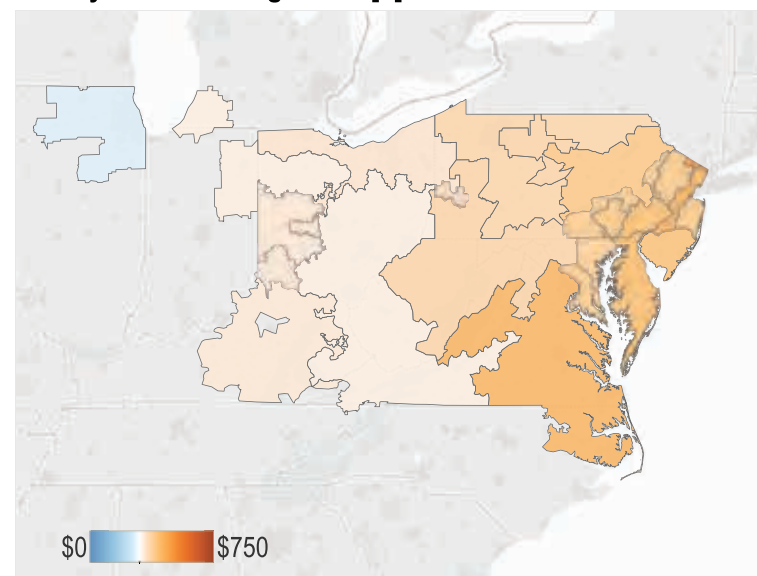
Legend



## Scenario: 65

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.12M

0 3 5 6 8 10 13 17 41 58 72 78 74 65

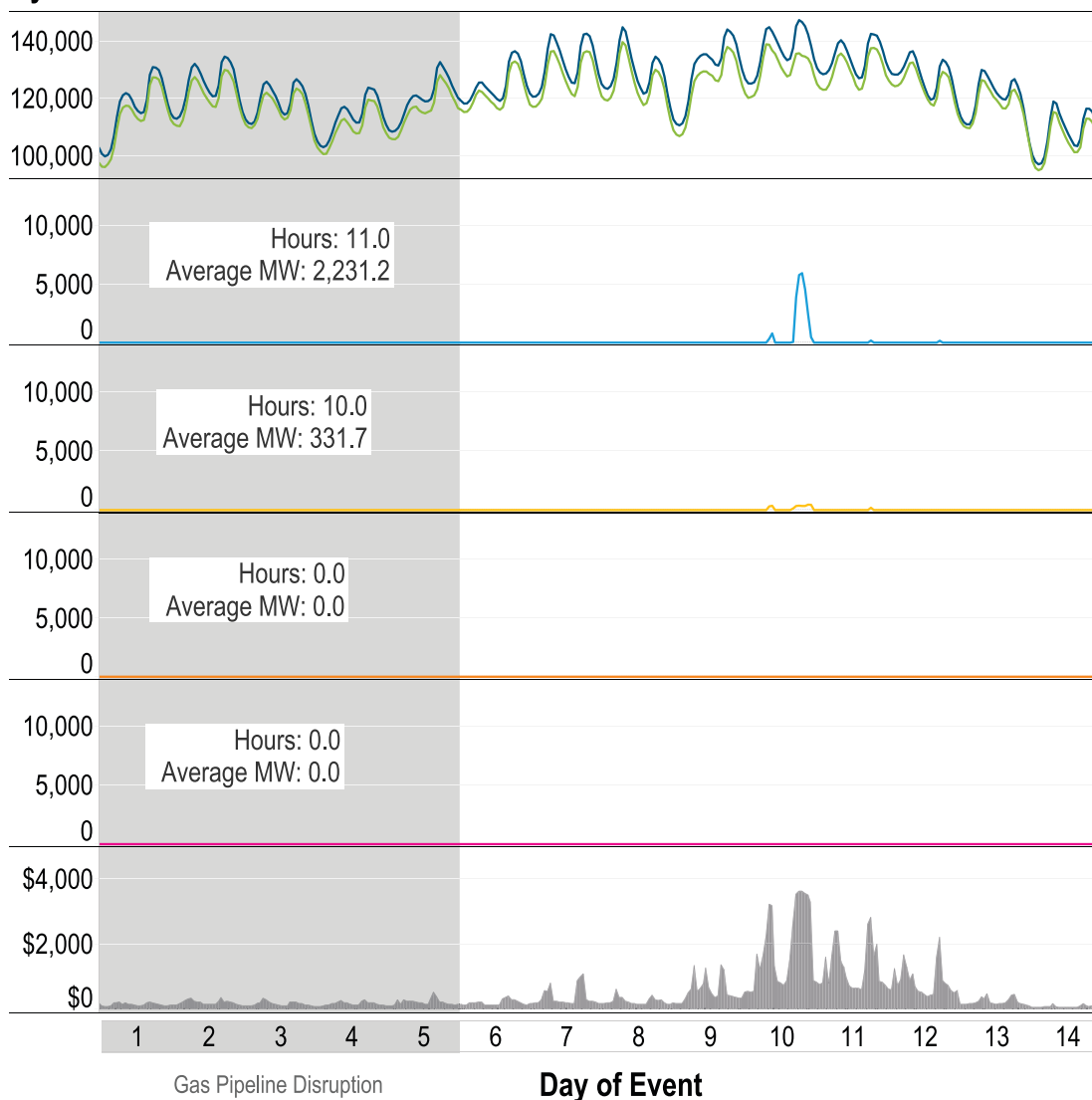
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

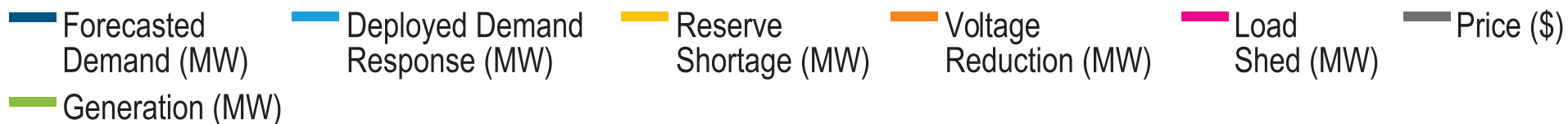
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



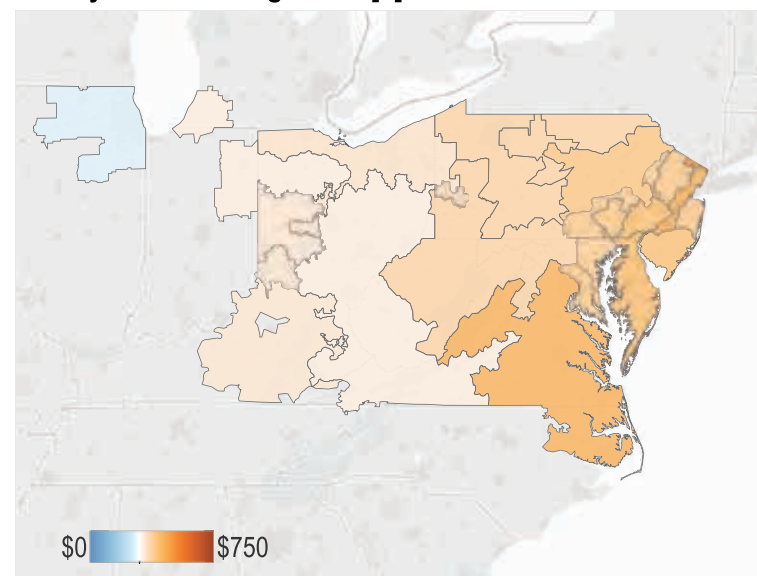
Legend



## Scenario: 66

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.12M

0	3	5	5	7	9	12	15	42	58	71	78	72	63
---	---	---	---	---	---	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

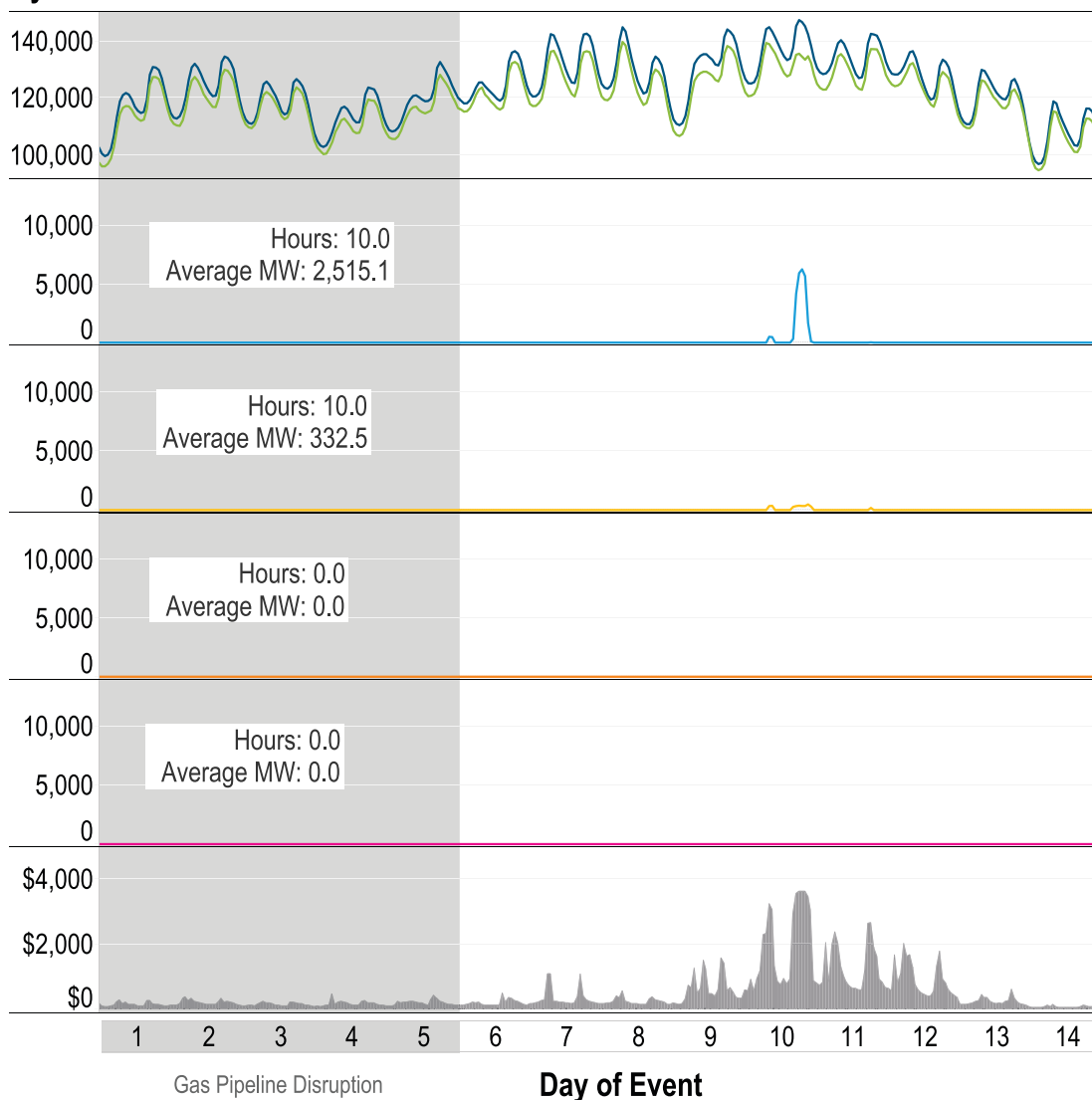
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



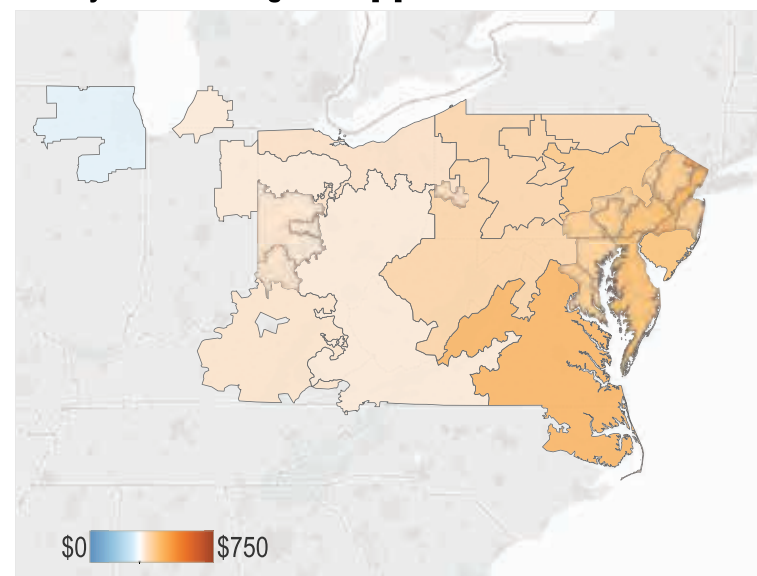
Legend



## Scenario: 67

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.09M

0 3 5 5 8 10 13 16 42 58 72 77 73 65

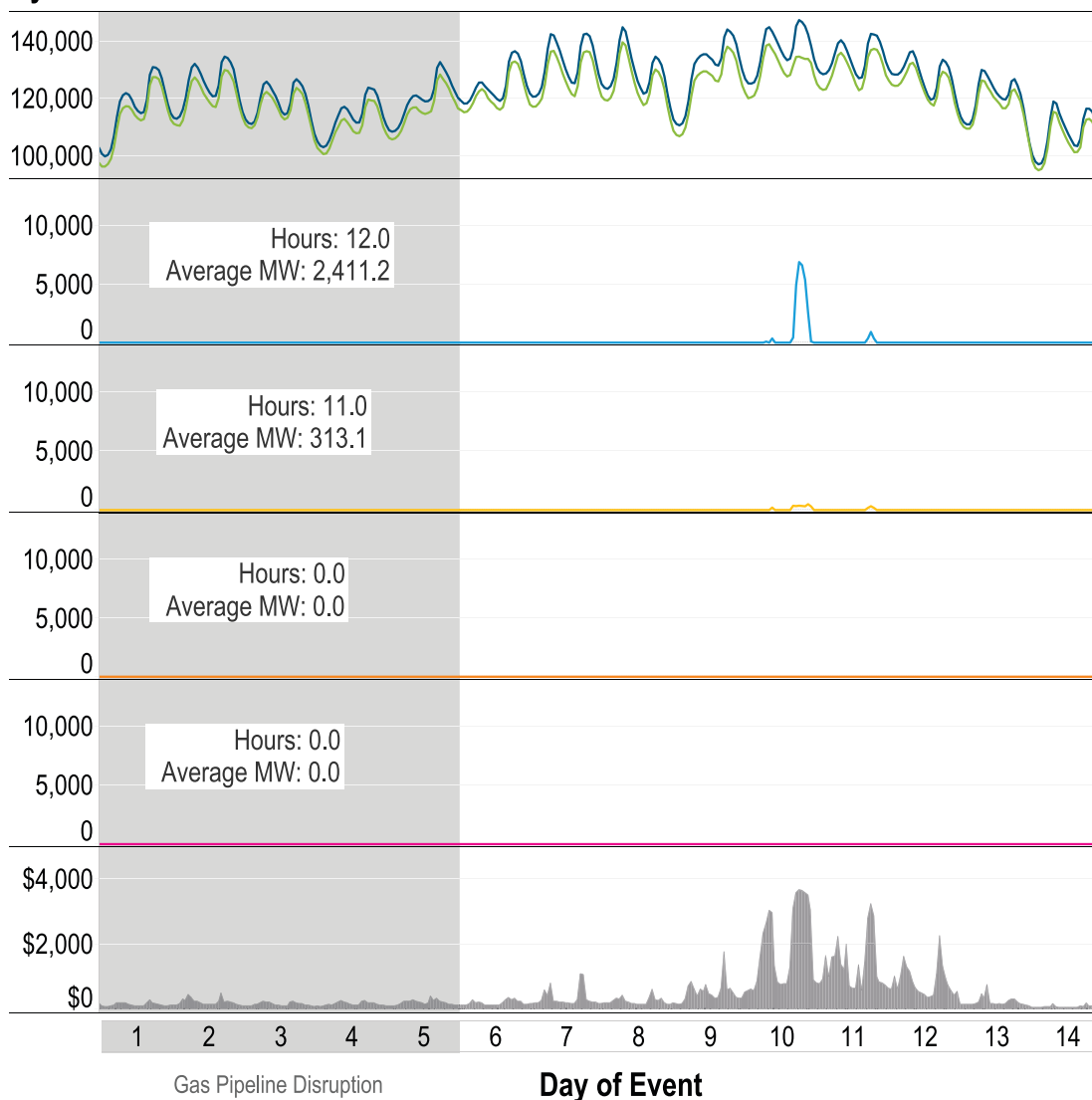
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



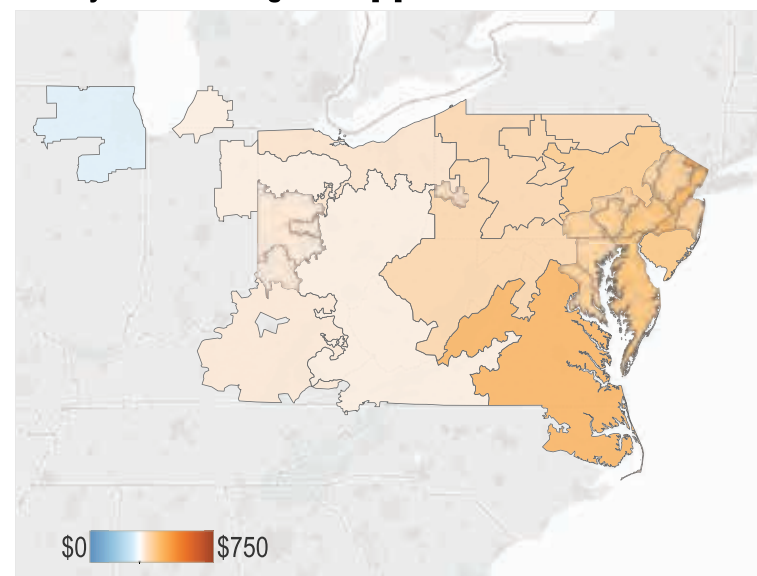
Legend



## Scenario: 68

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.12M

0	3	5	5	8	11	14	16	42	58	72	76	73	63
---	---	---	---	---	----	----	----	----	----	----	----	----	----

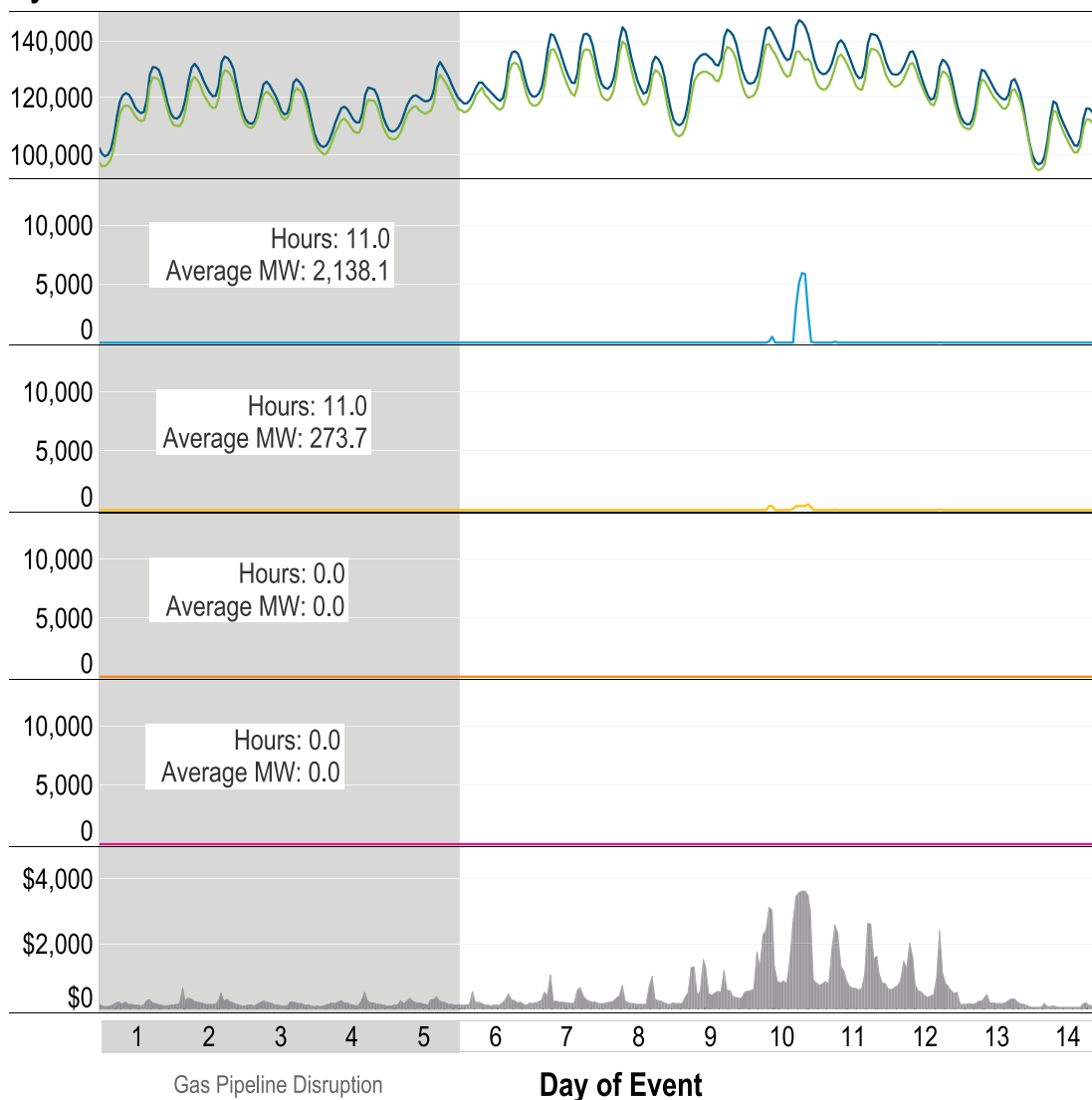
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



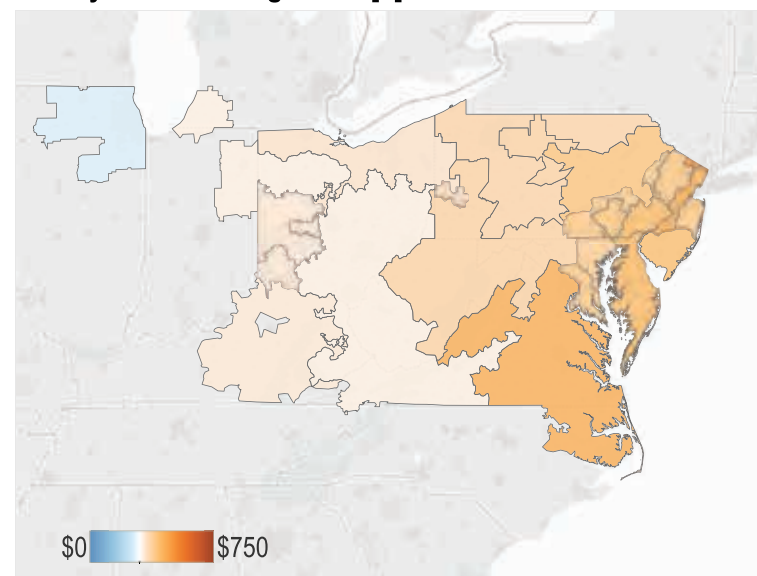
Legend



## Scenario: 69

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.09M

0	3	5	6	9	11	14	17	44	58	74	78	75	64
---	---	---	---	---	----	----	----	----	----	----	----	----	----

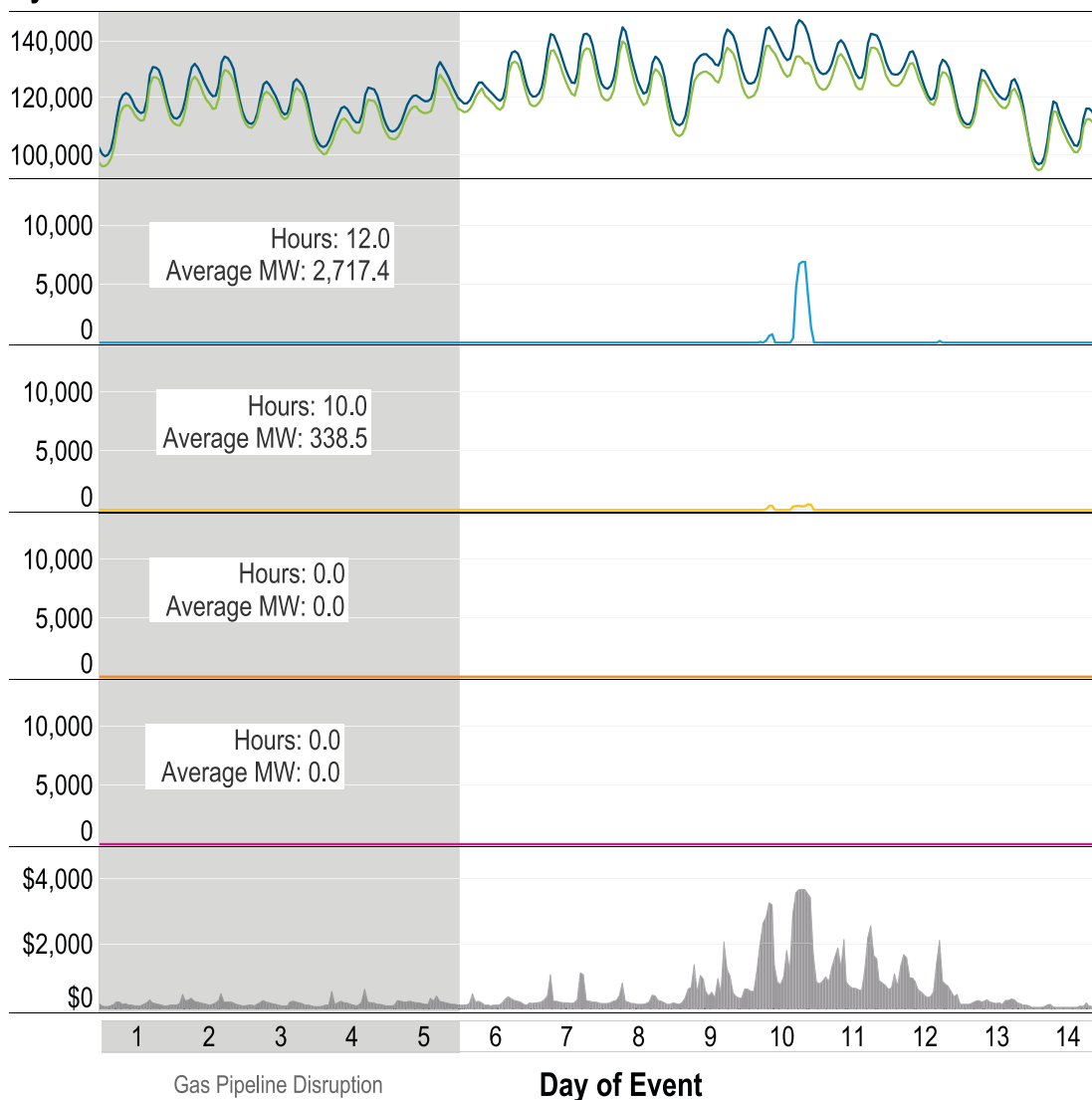
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



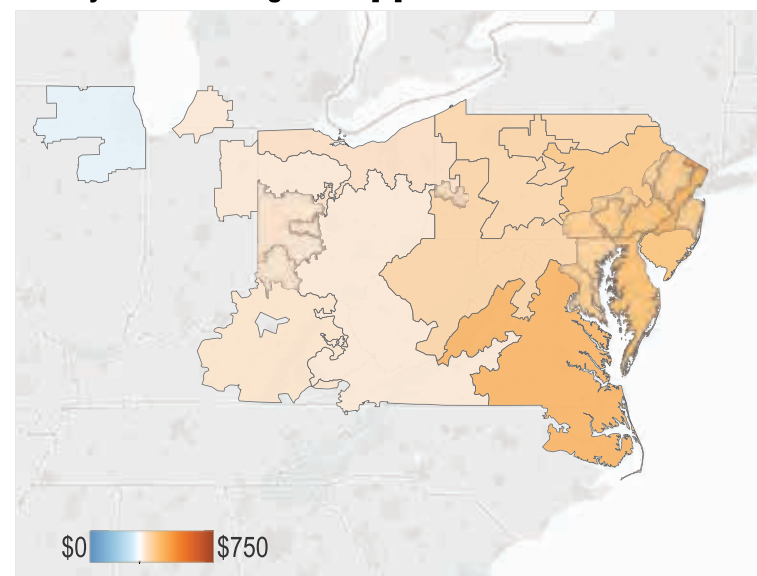
Legend



## Scenario: 70

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.16M

0	2	4	4	7	10	12	16	42	59	71	77	72	64
---	---	---	---	---	----	----	----	----	----	----	----	----	----

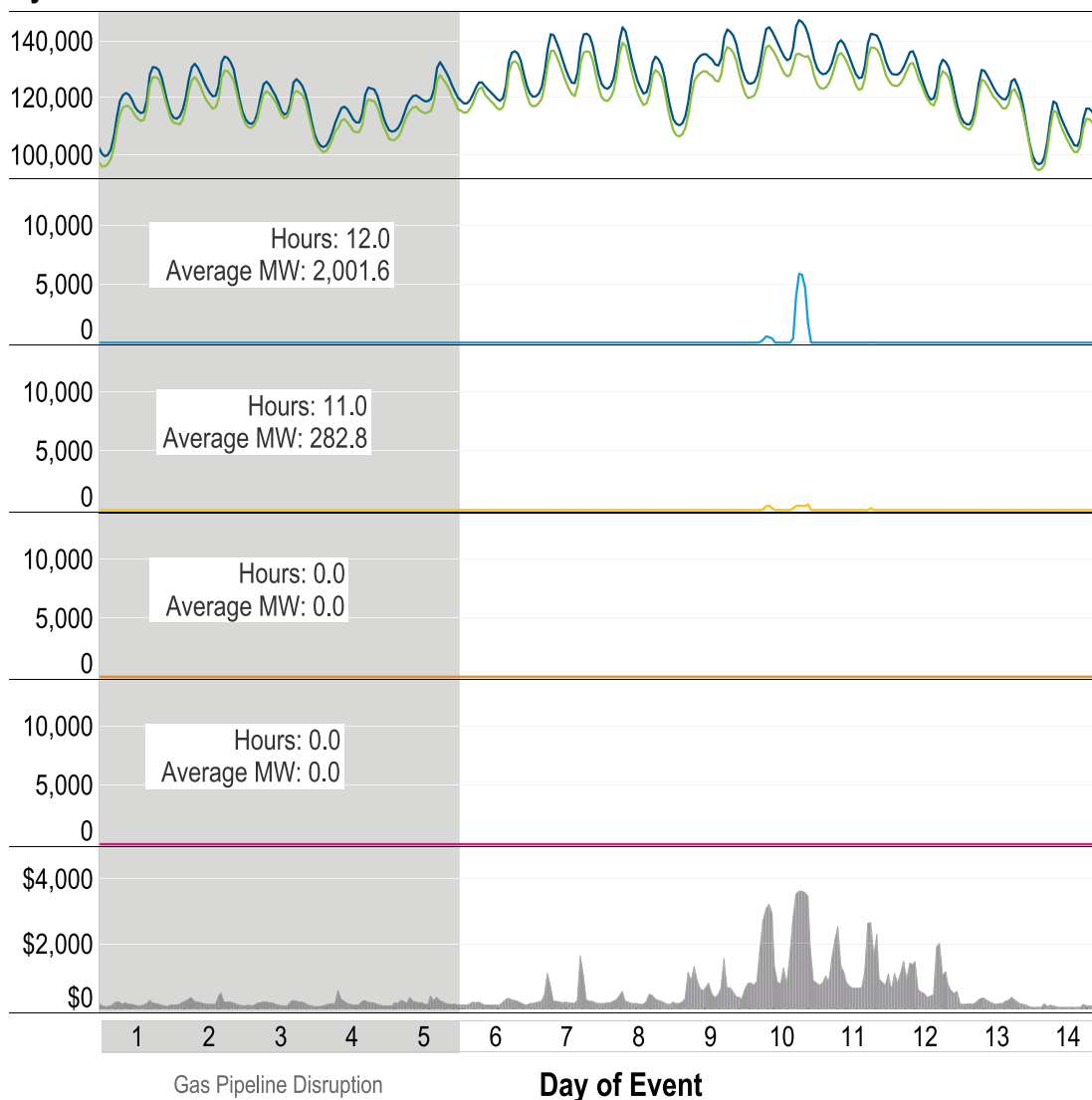
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



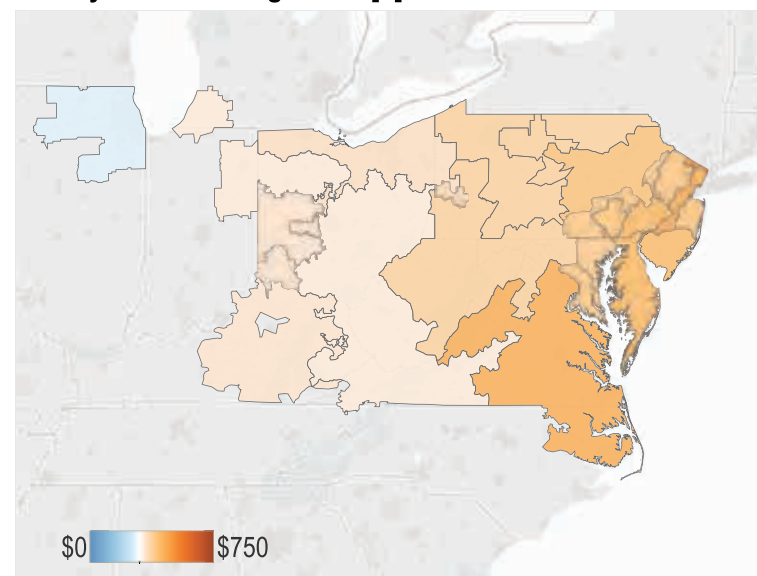
Legend



## Scenario: 71

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.13M

0 3 5 7 8 12 15 19 44 58 73 78 73 64

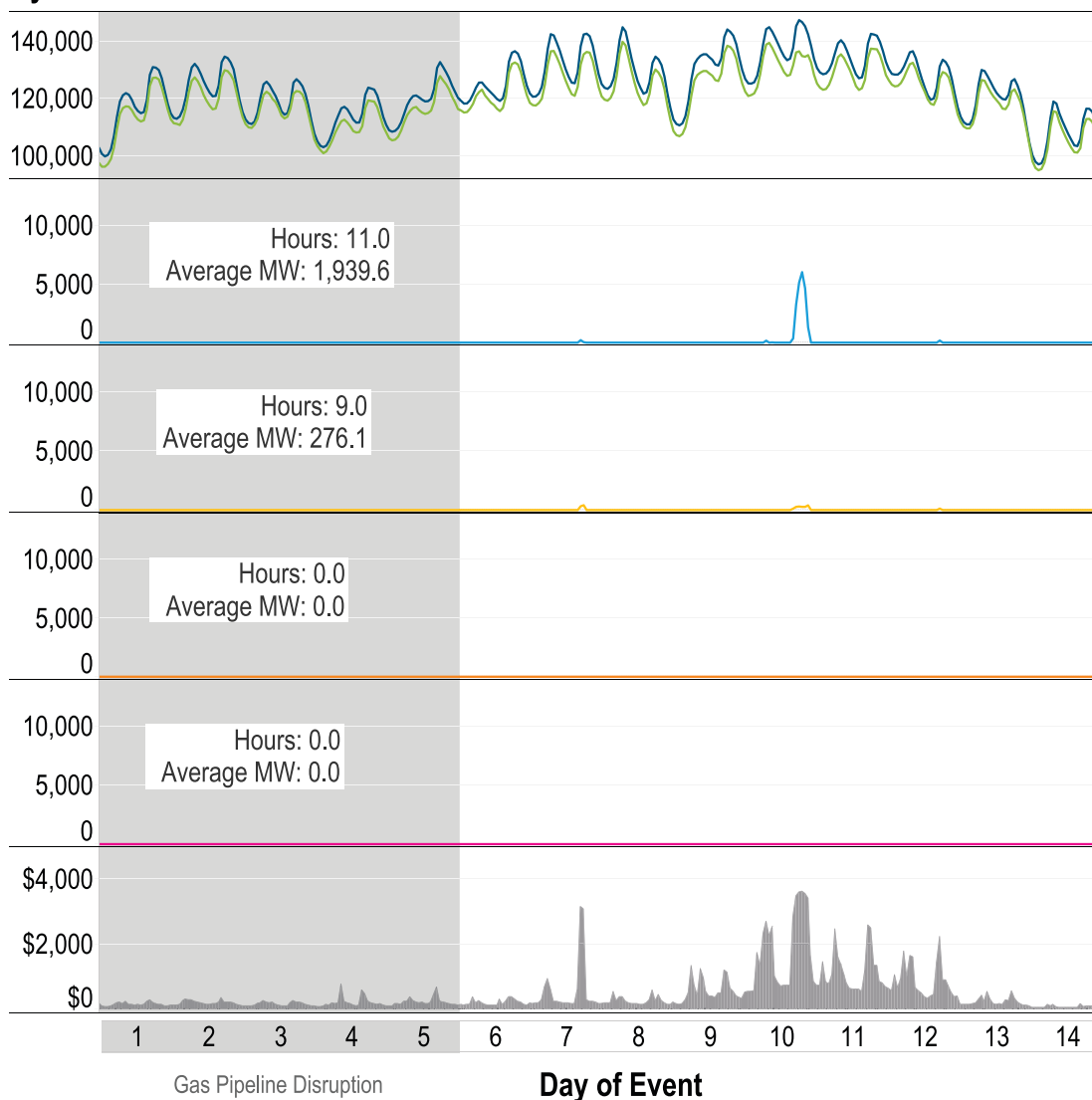
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



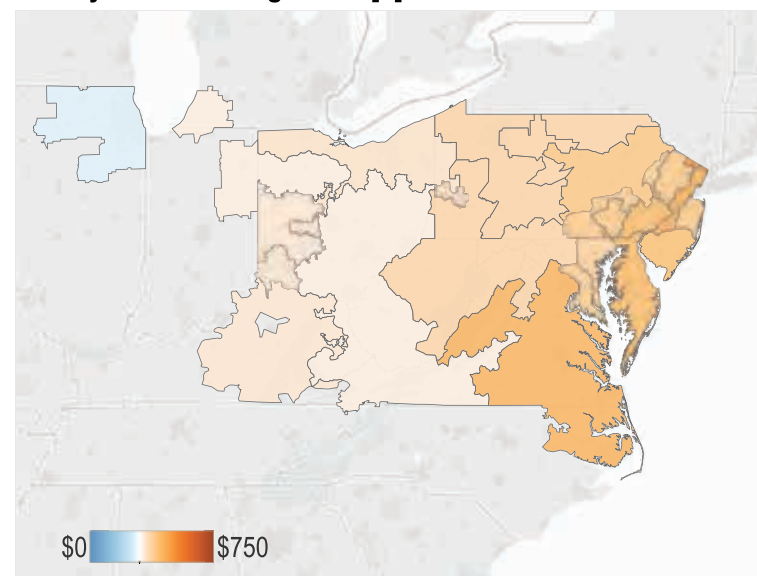
Legend



## Scenario: 72

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.55M

0 3 6 7 8 12 16 21 47 61 74 80 74 66

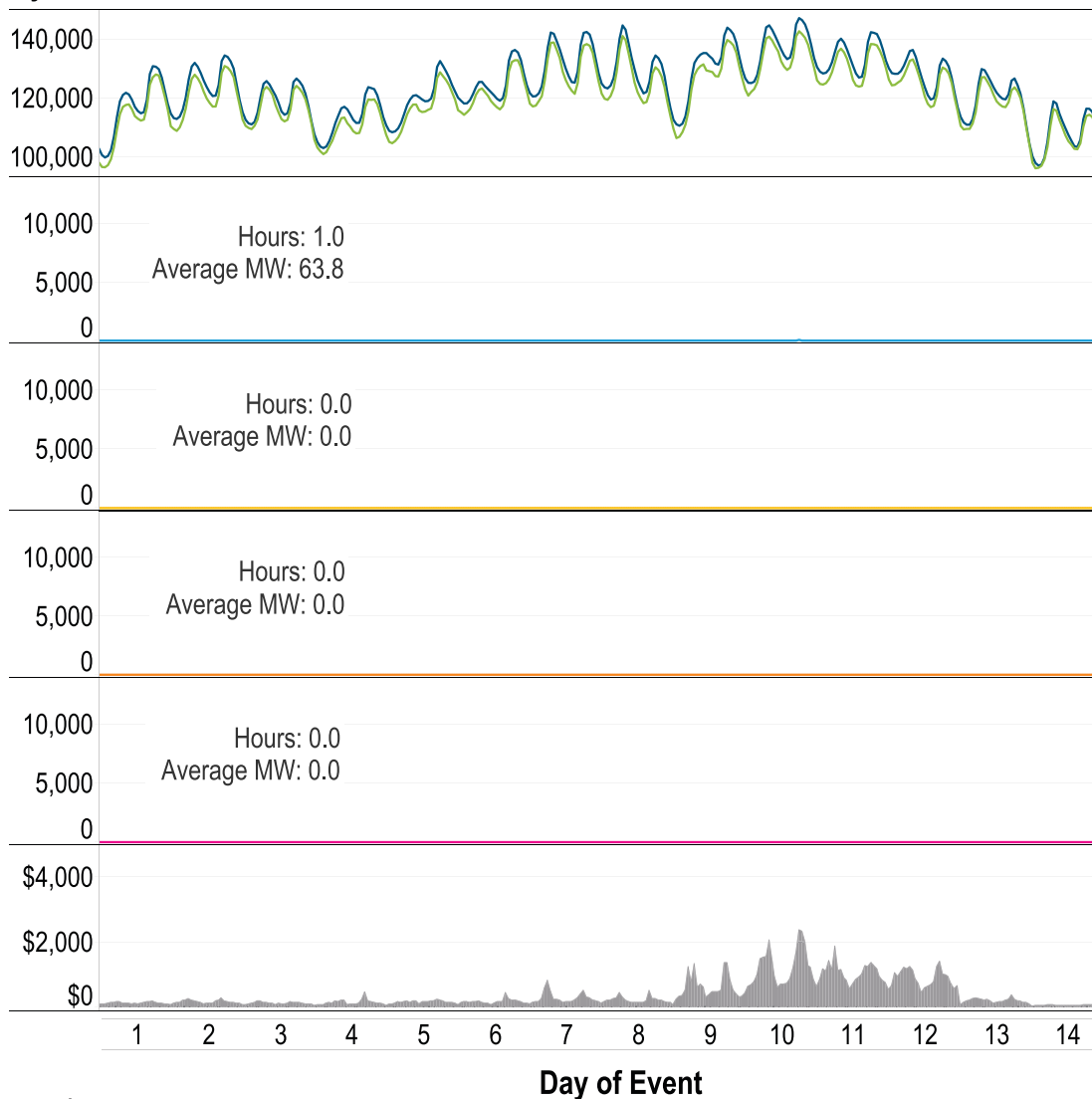
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

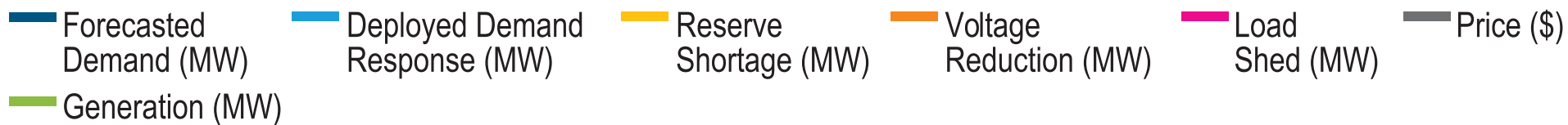
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



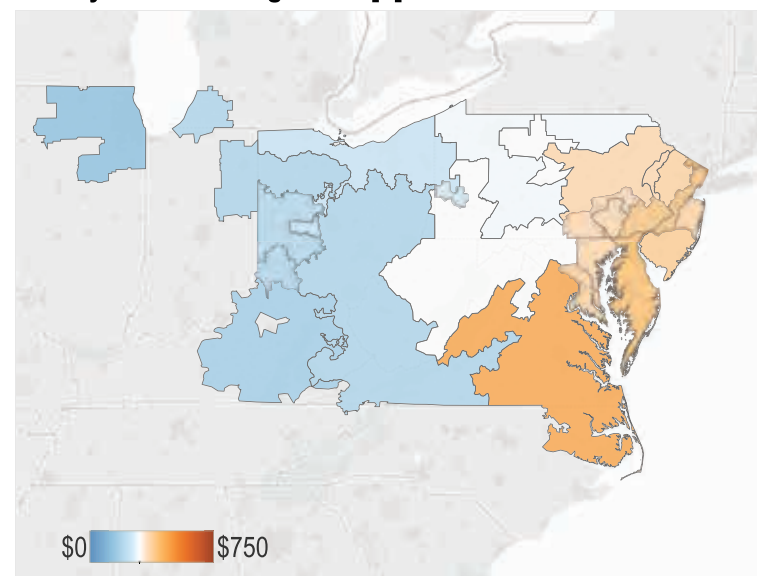
Legend



## Scenario: 73

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.06M



1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

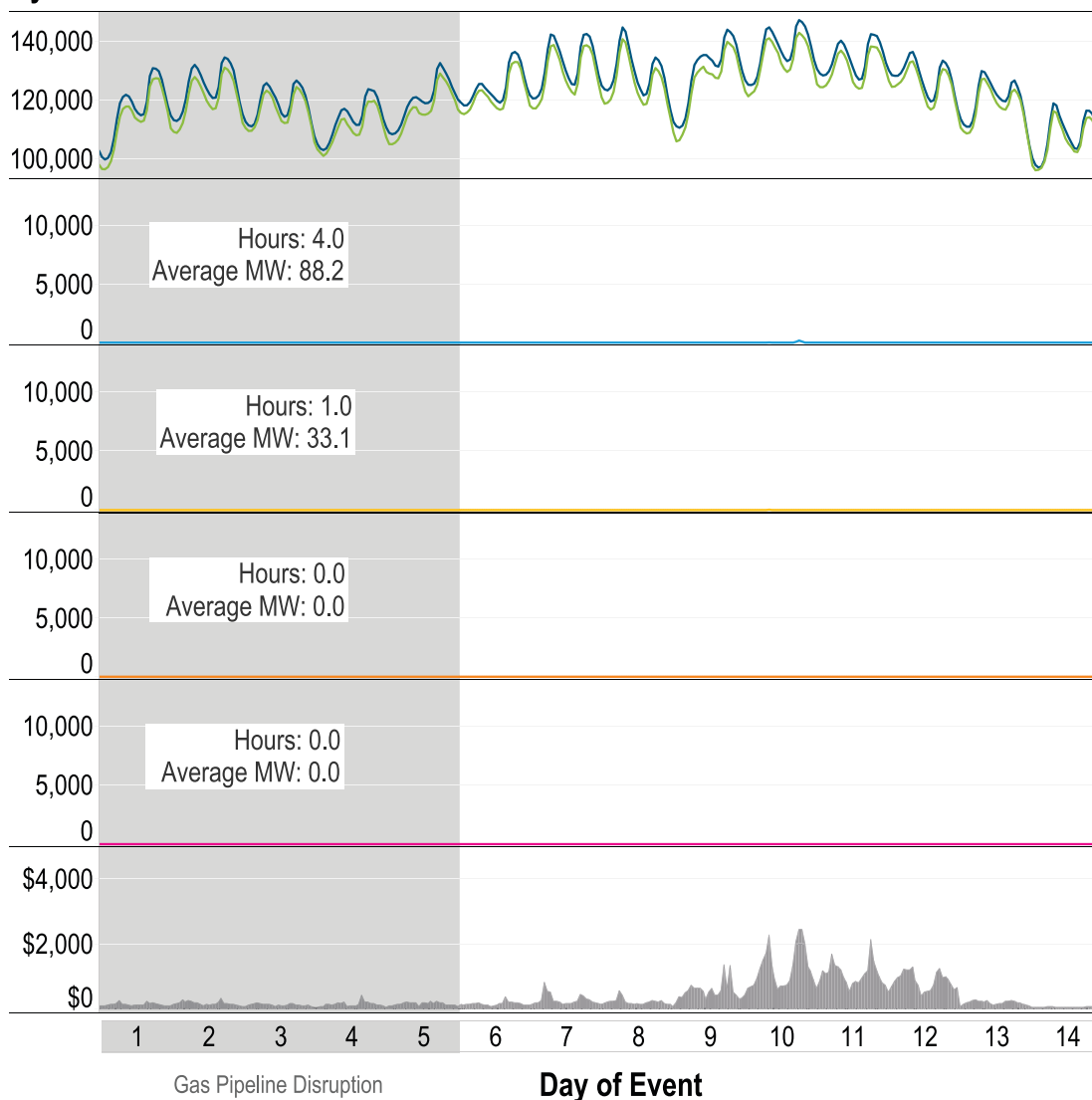
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



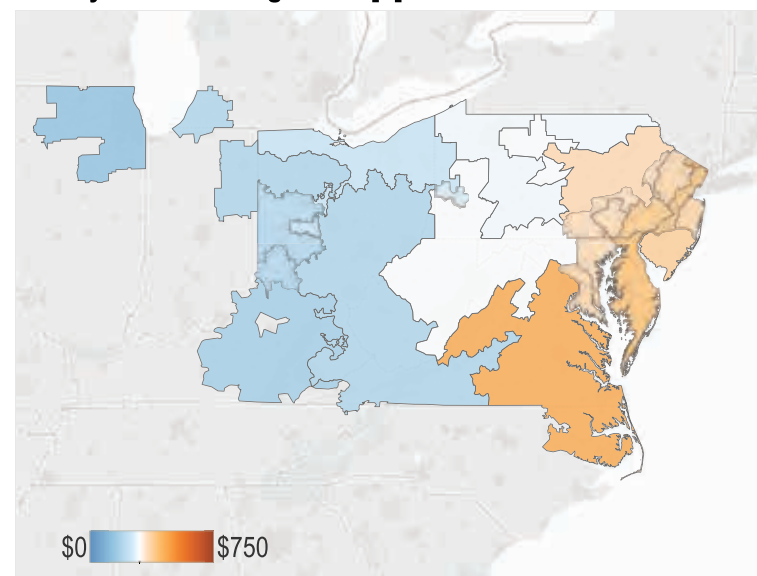
Legend



## Scenario: 74

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.05M

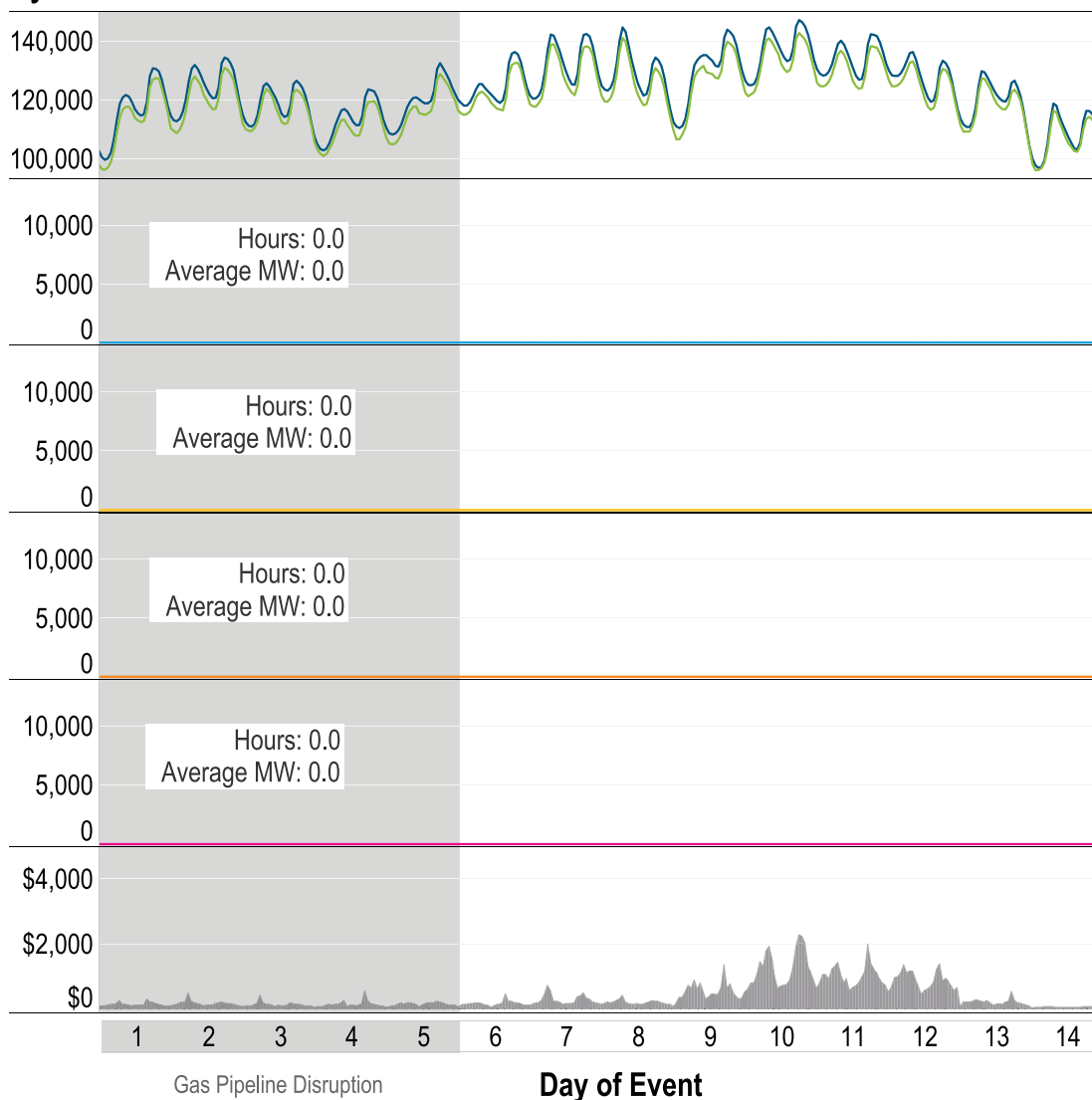


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



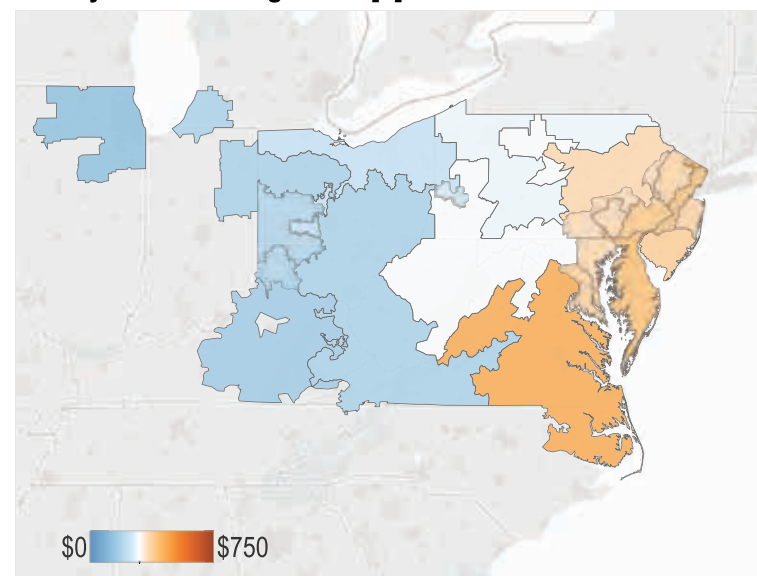
Legend



## Scenario: 75

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.07M

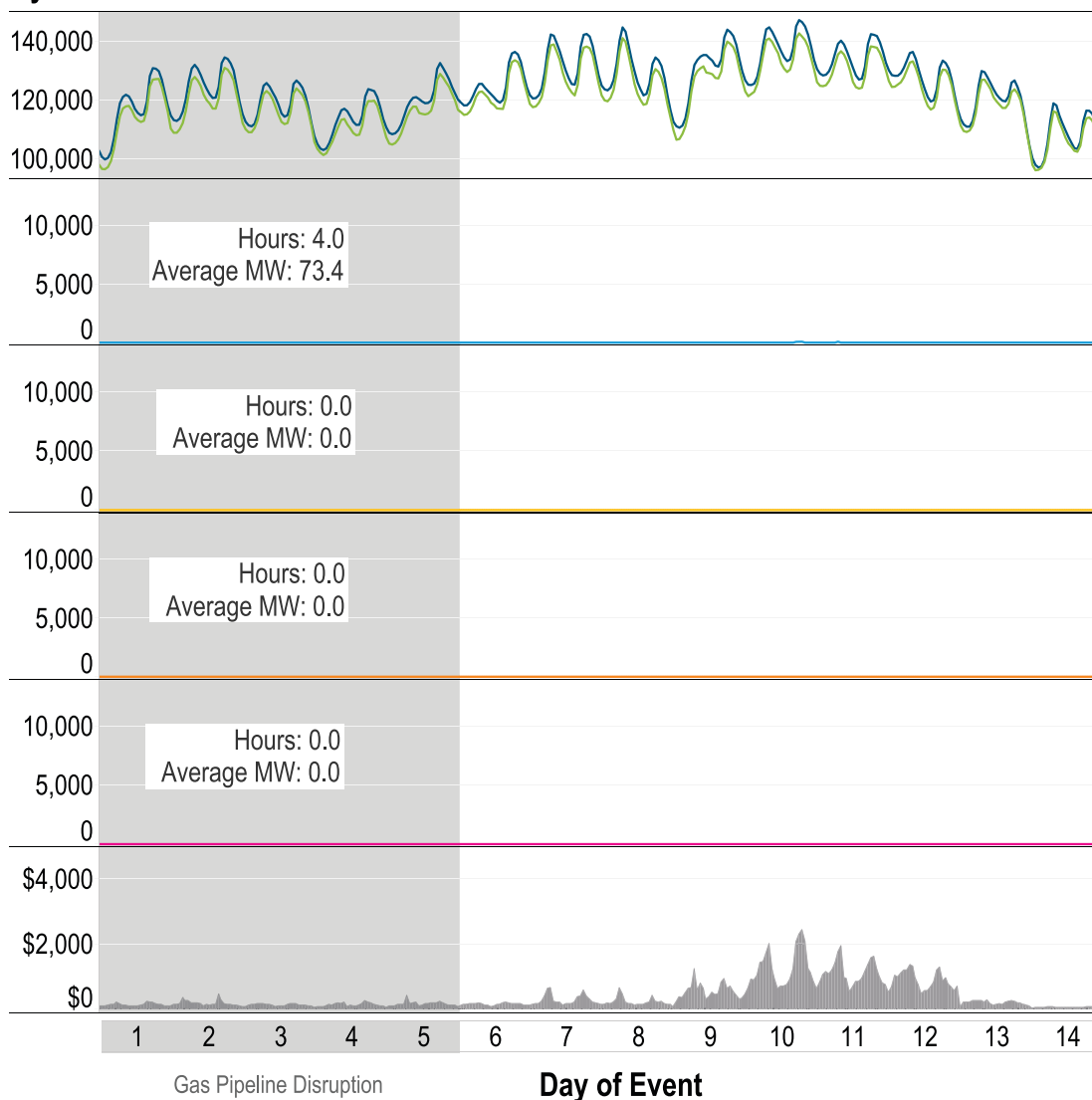


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



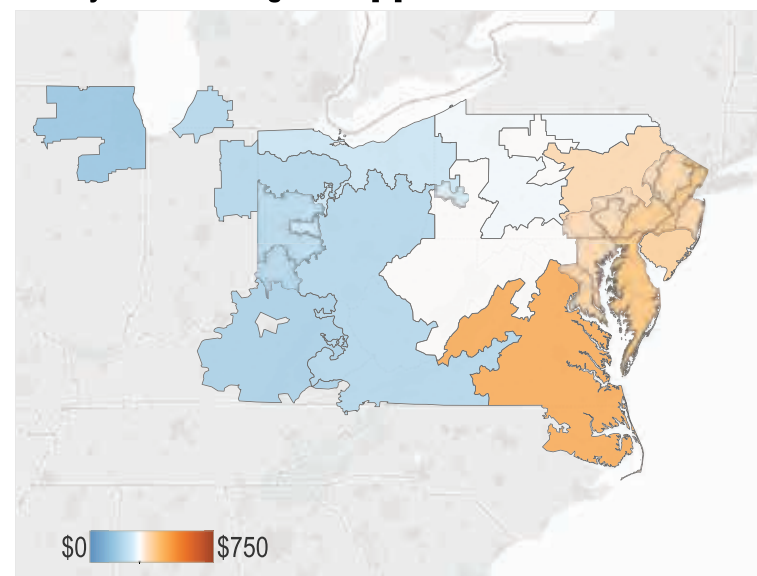
Legend



## Scenario: 76

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.07M



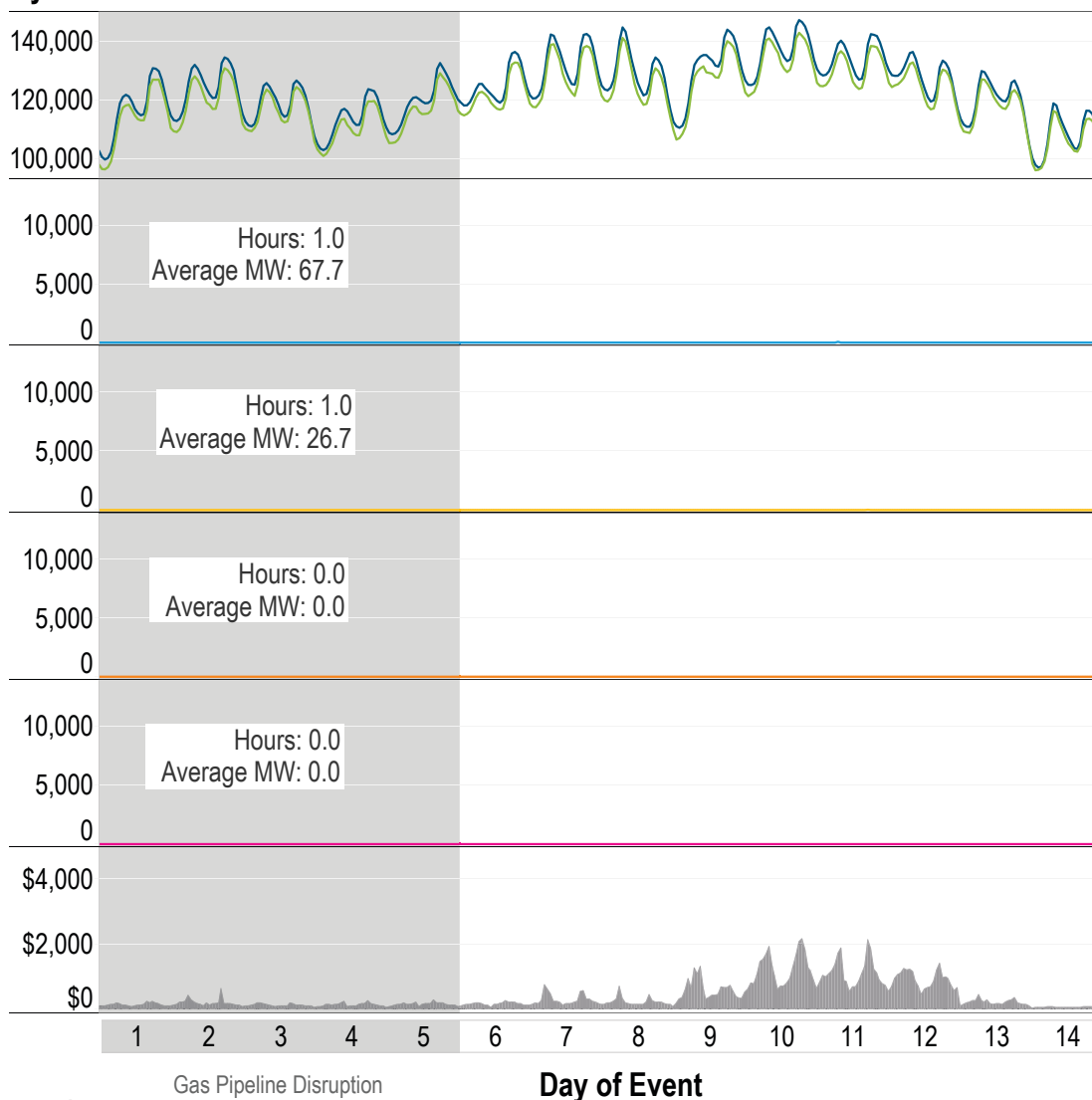
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



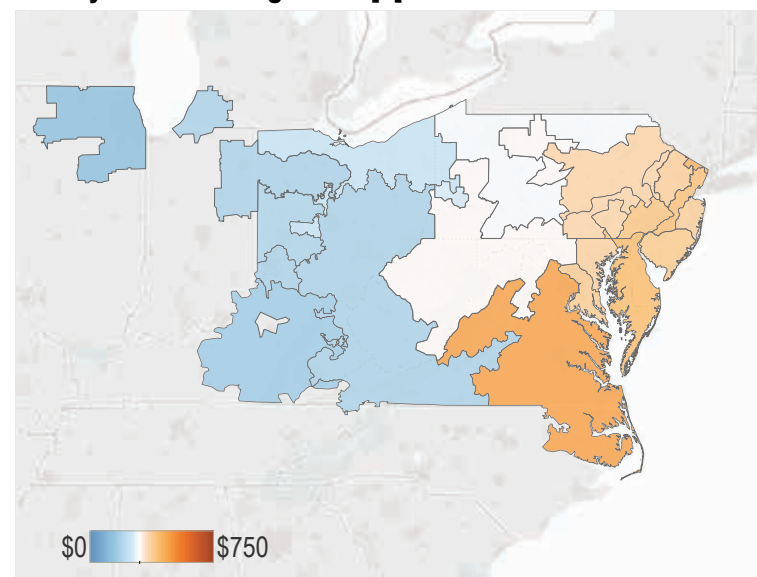
Legend



## Scenario: 77

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.10M

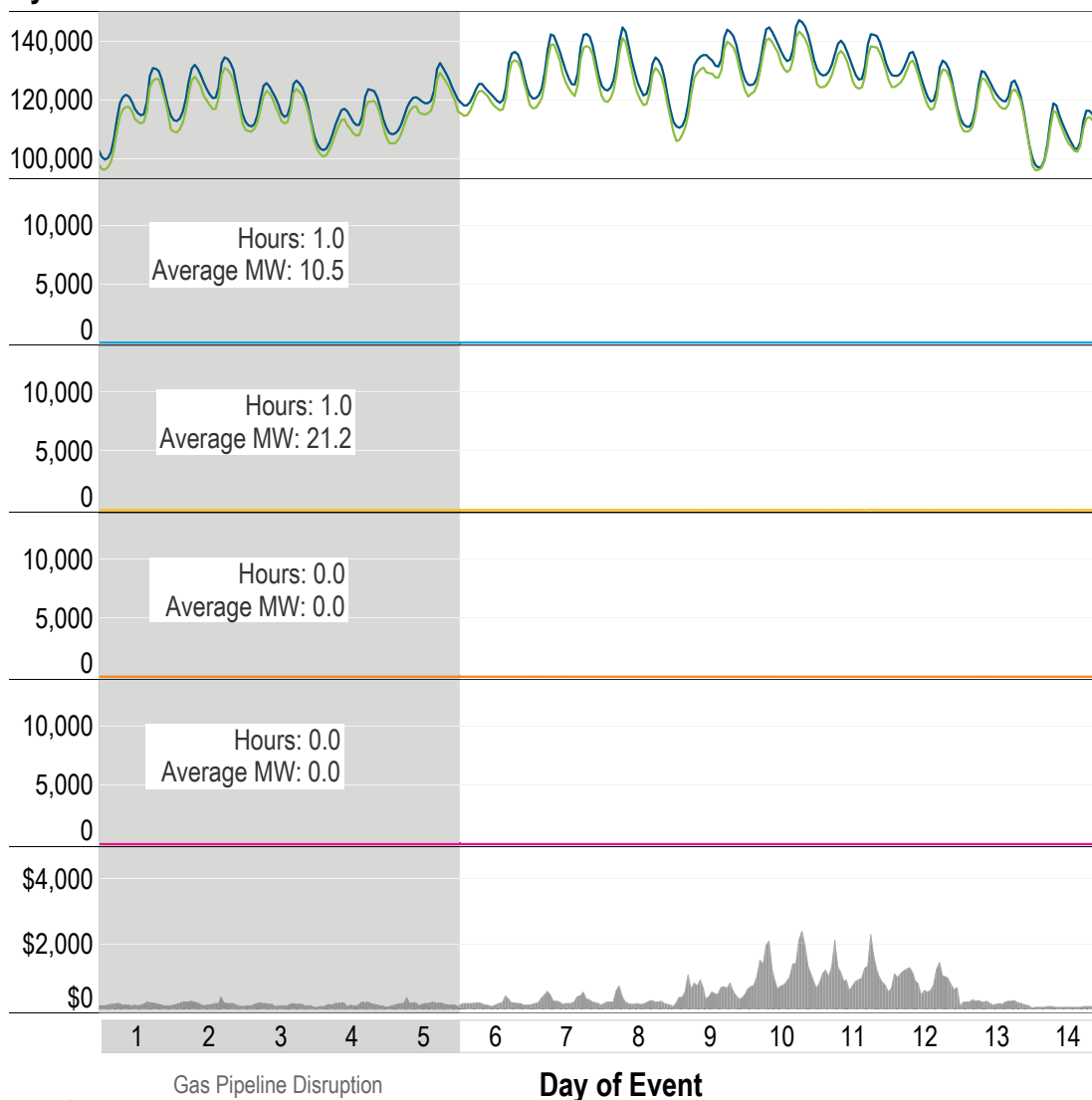


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



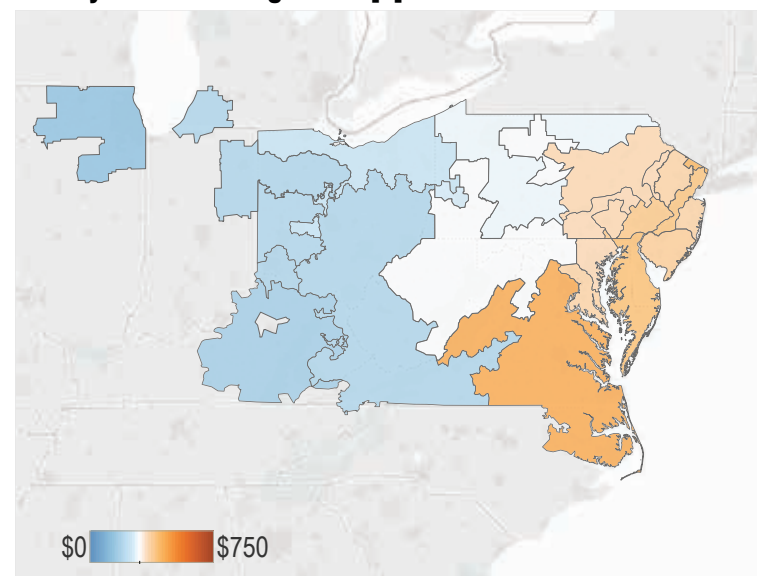
Legend



## Scenario: 78

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.09M



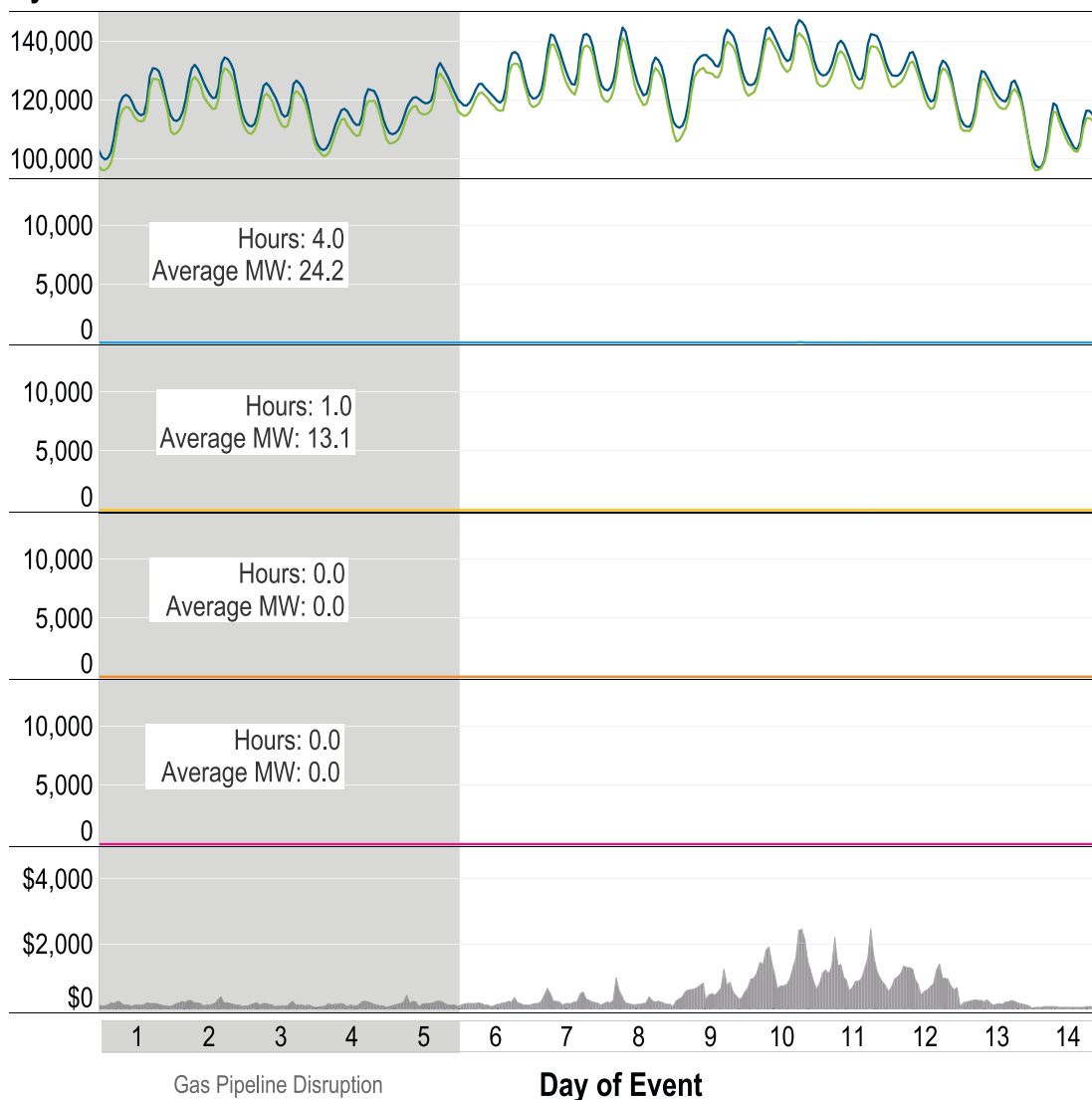
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



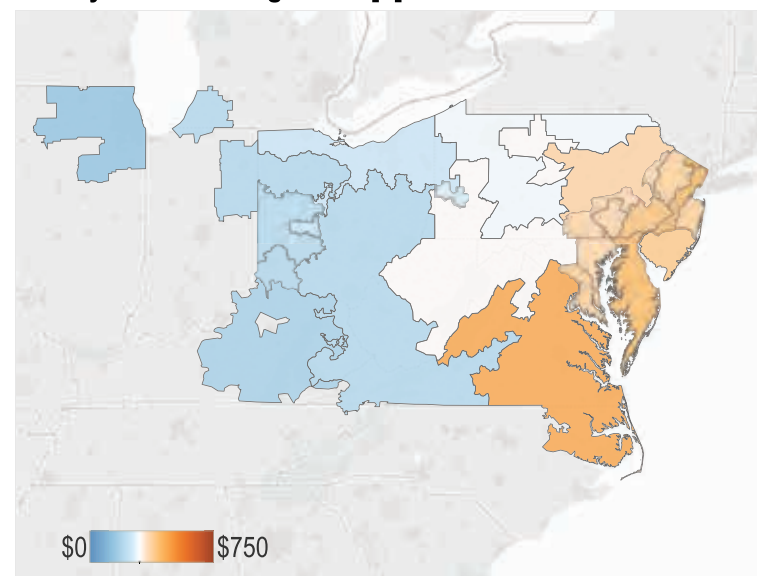
Legend



## Scenario: 79

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.09M

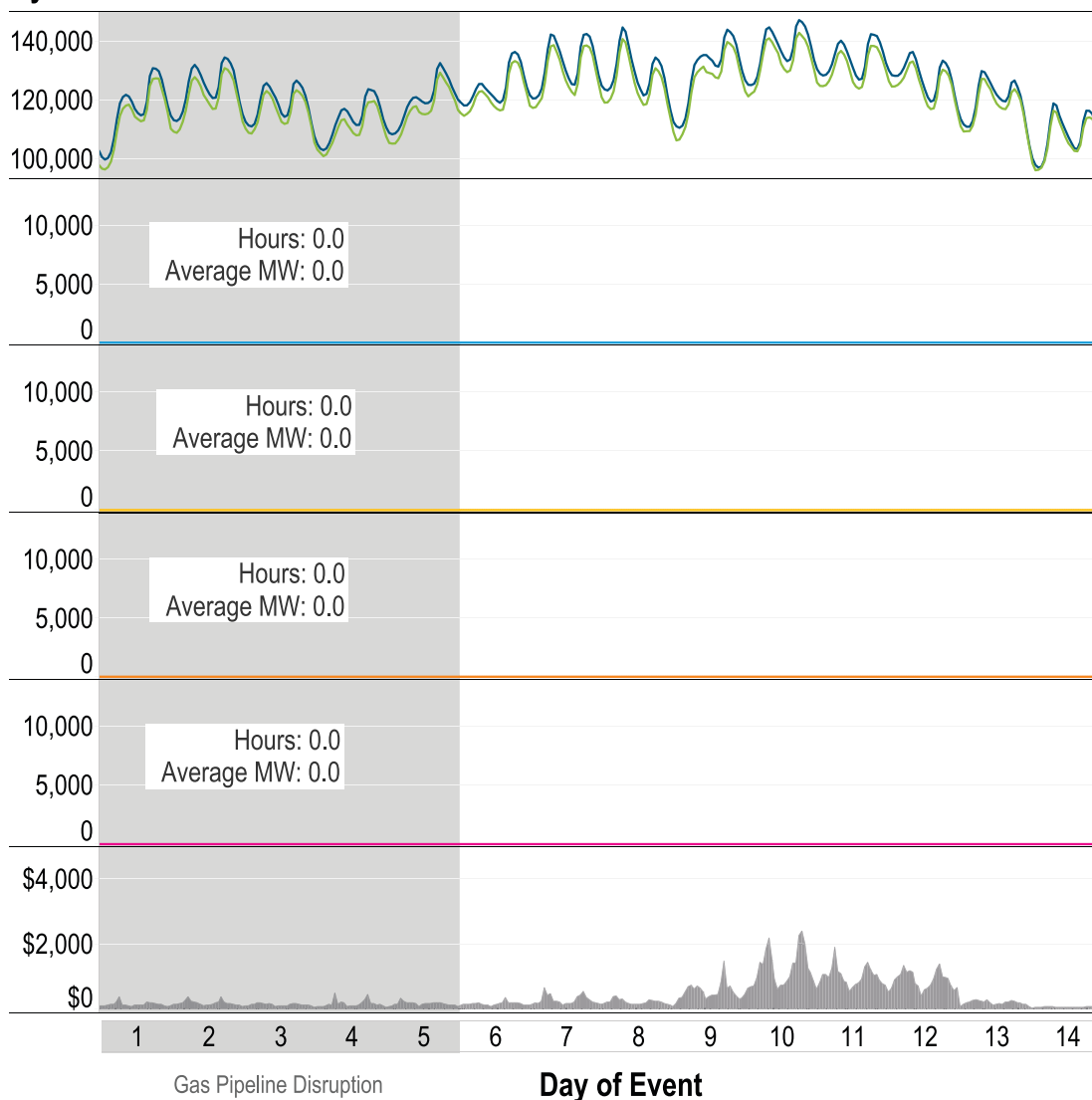


\*141 Total Sites

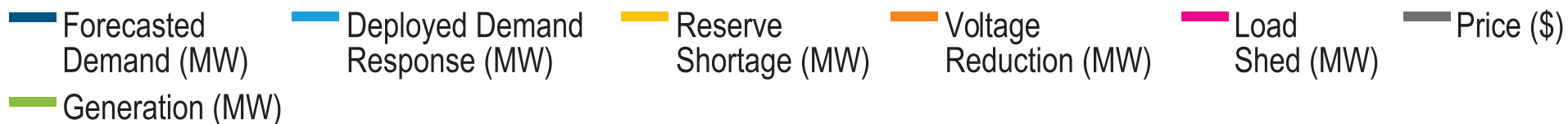
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



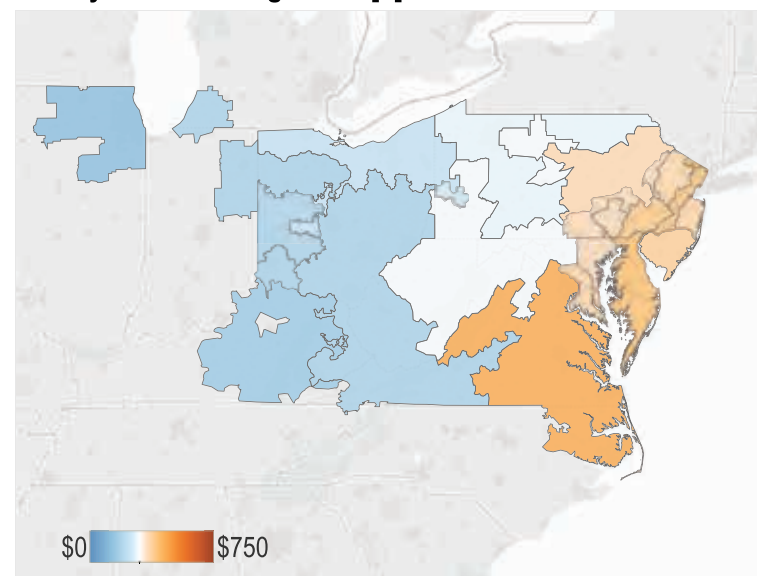
Legend



## Scenario: 80

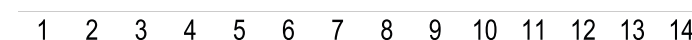
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.06M



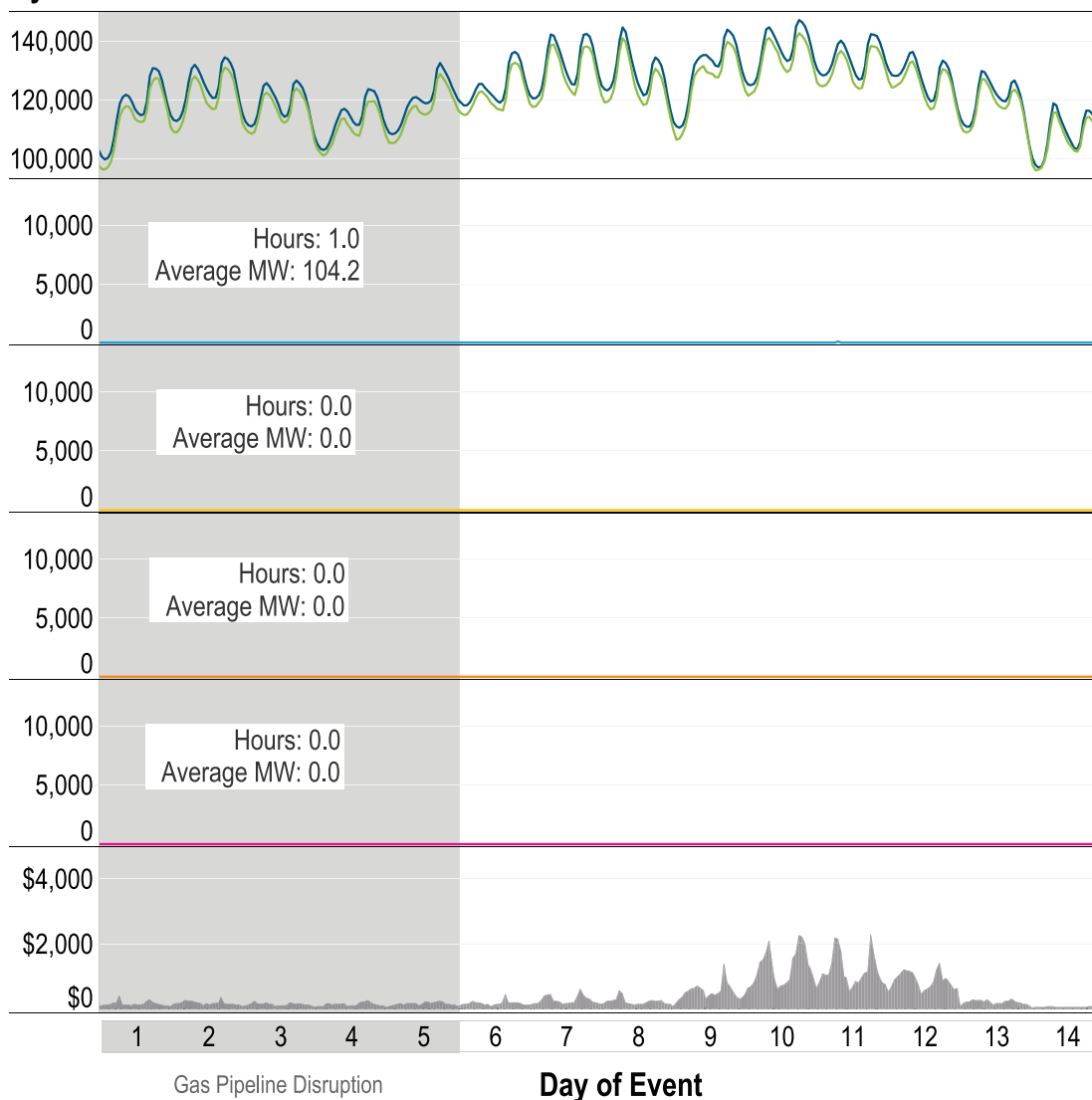
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



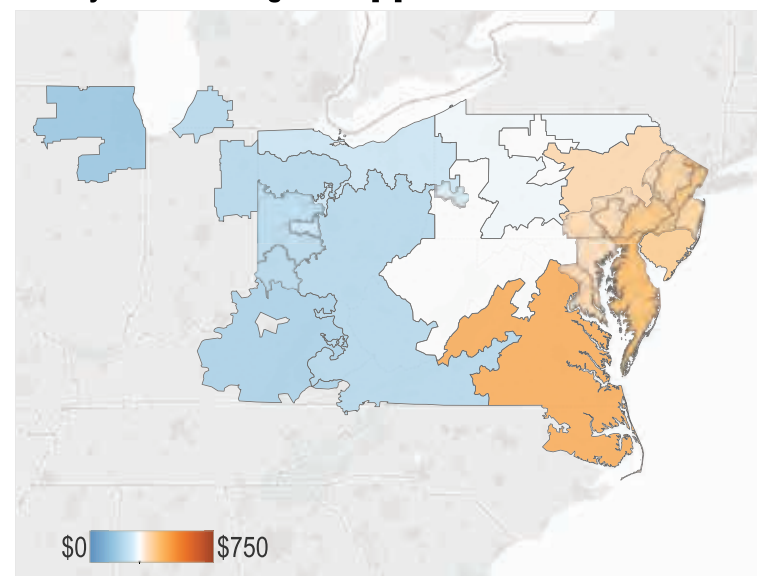
Legend



## Scenario: 81

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.10M



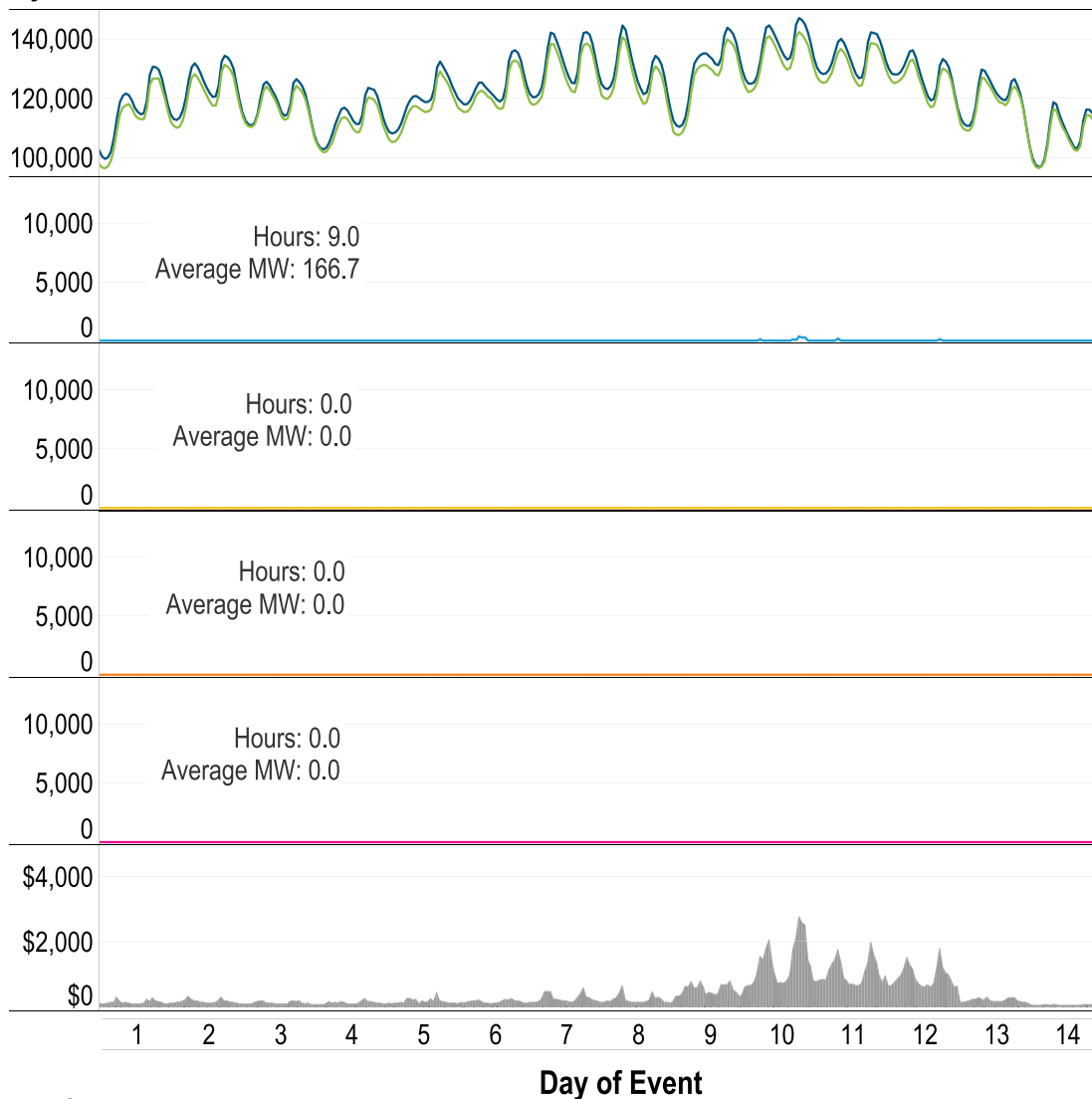
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

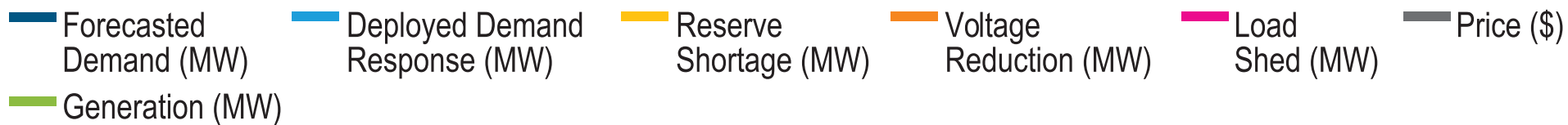
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



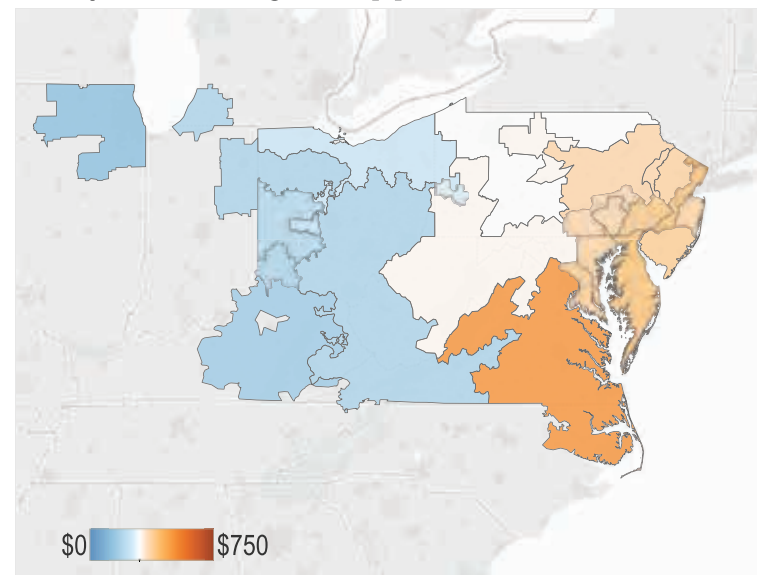
Legend



## Scenario: 82

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.48M



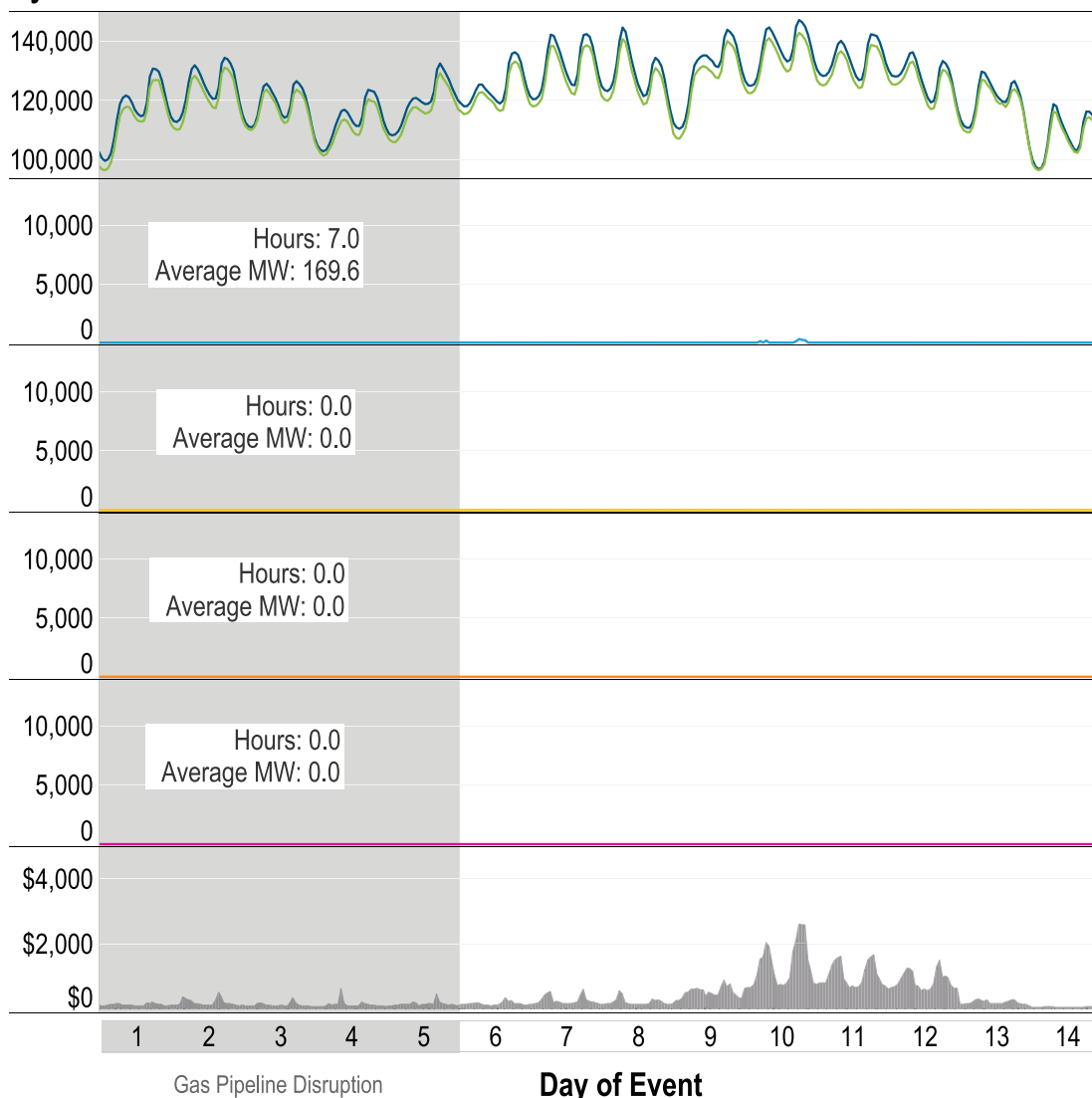
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



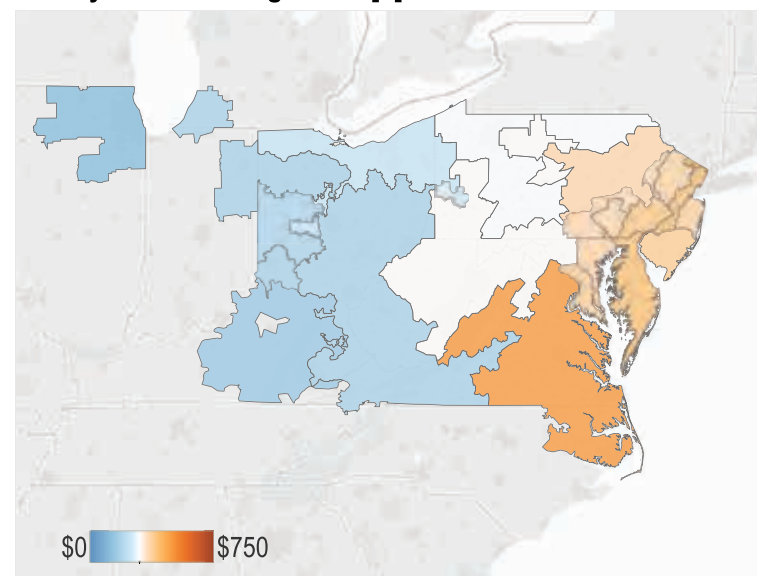
Legend



## Scenario: 83

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.47M

0	0	0	0	0	0	0	0	0	0	0	2	4	4	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

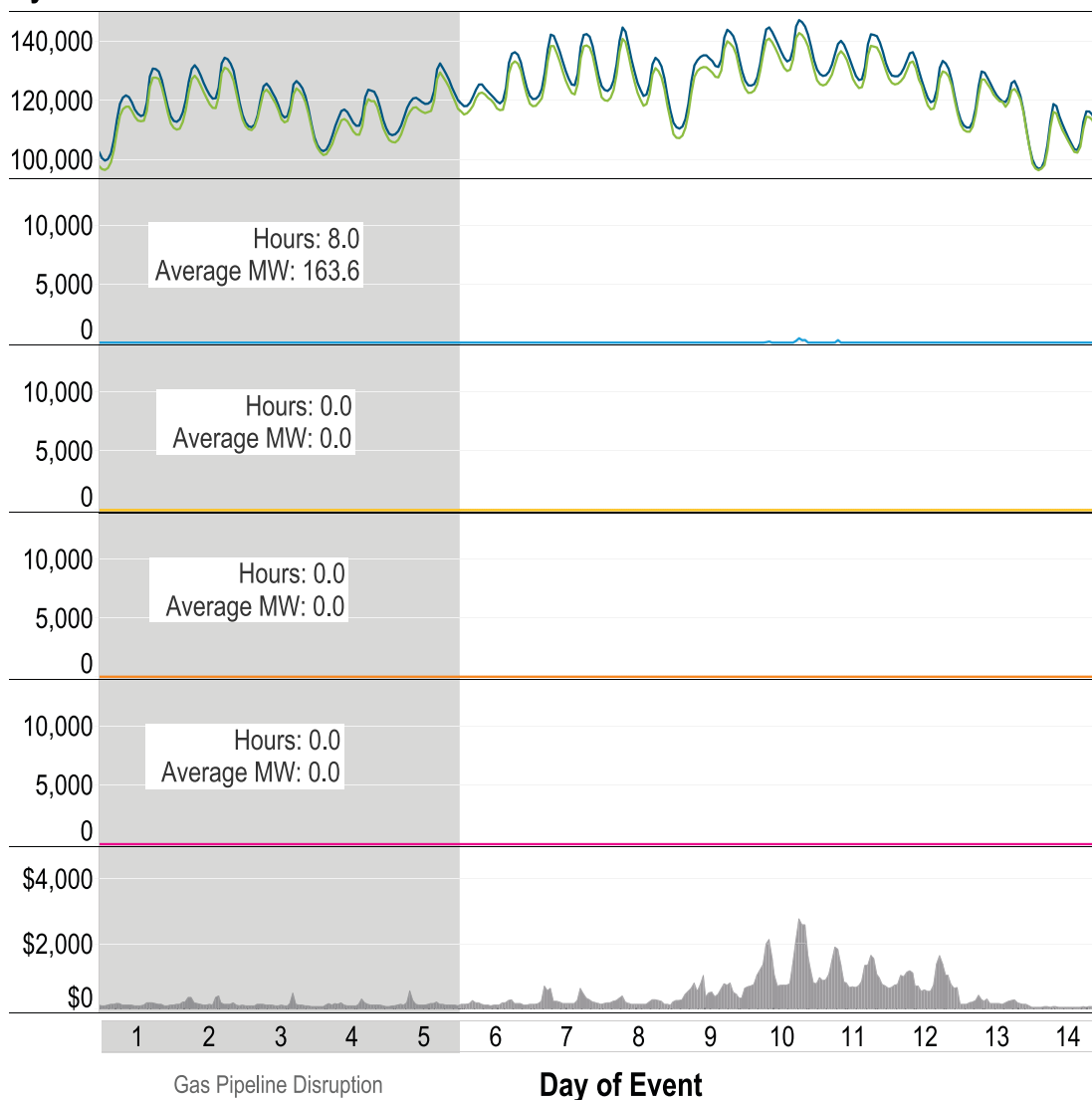
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



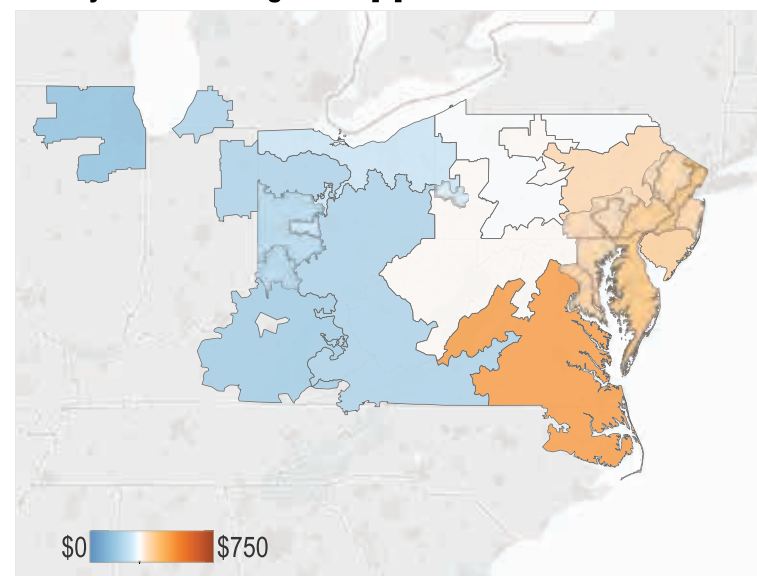
Legend



## Scenario: 84

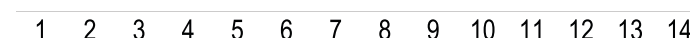
Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.48M

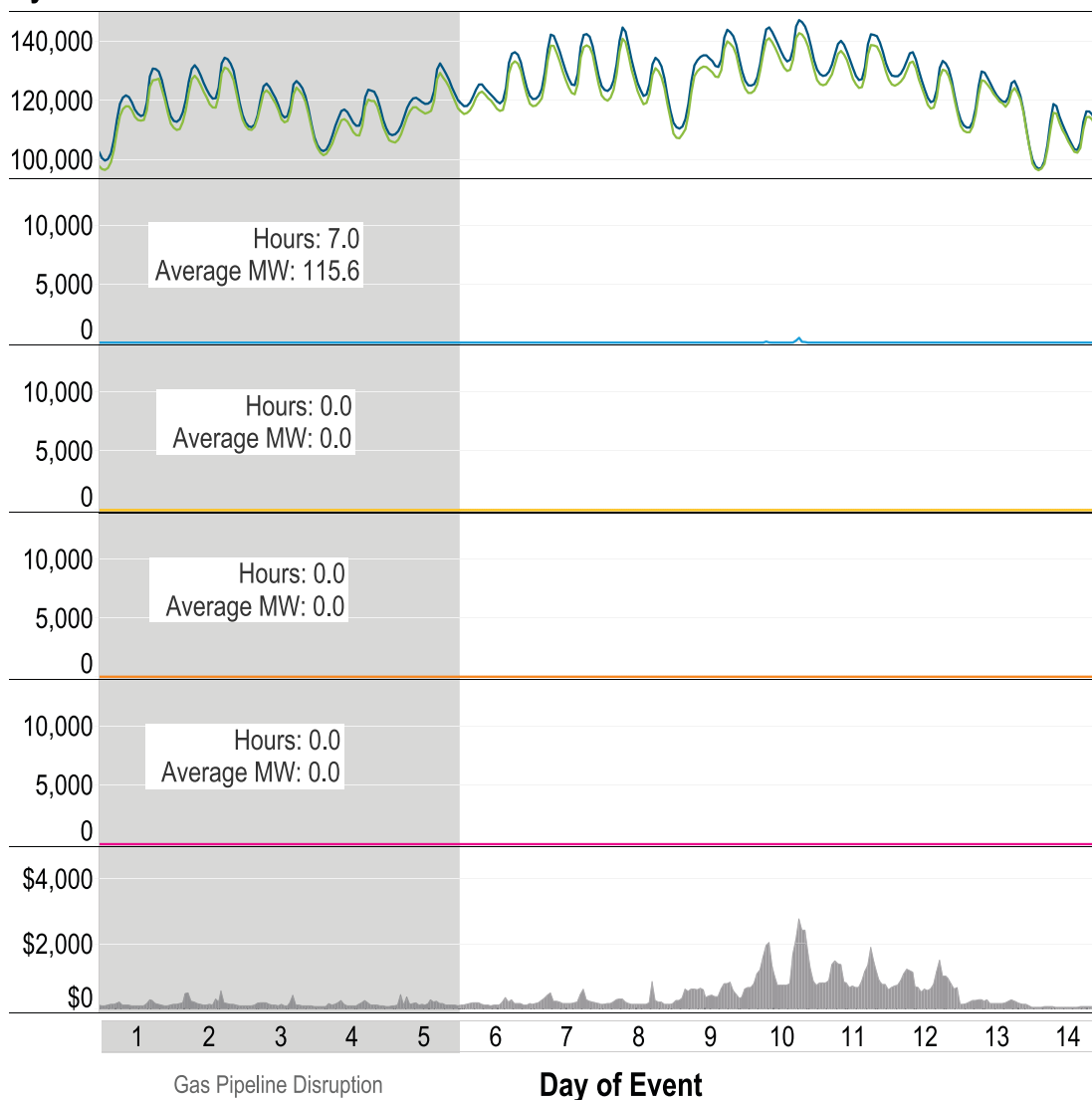


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



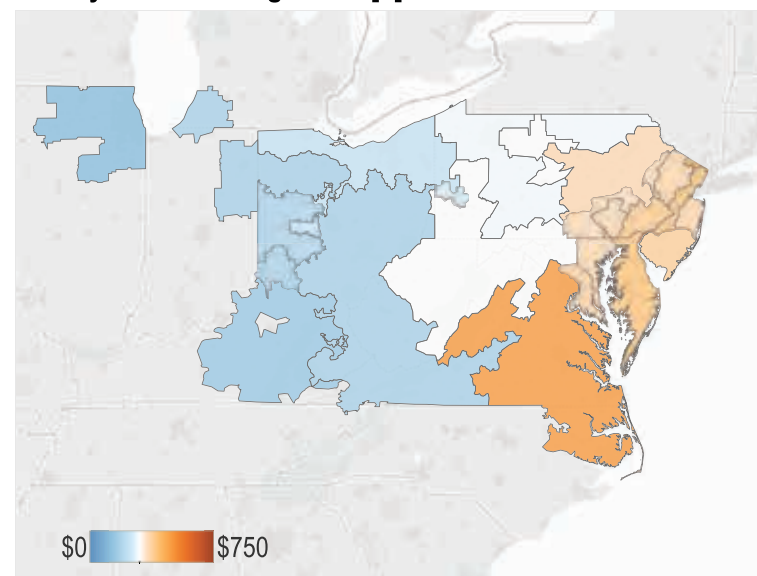
Legend



## Scenario: 85

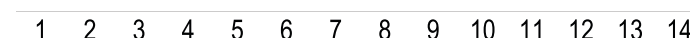
Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M

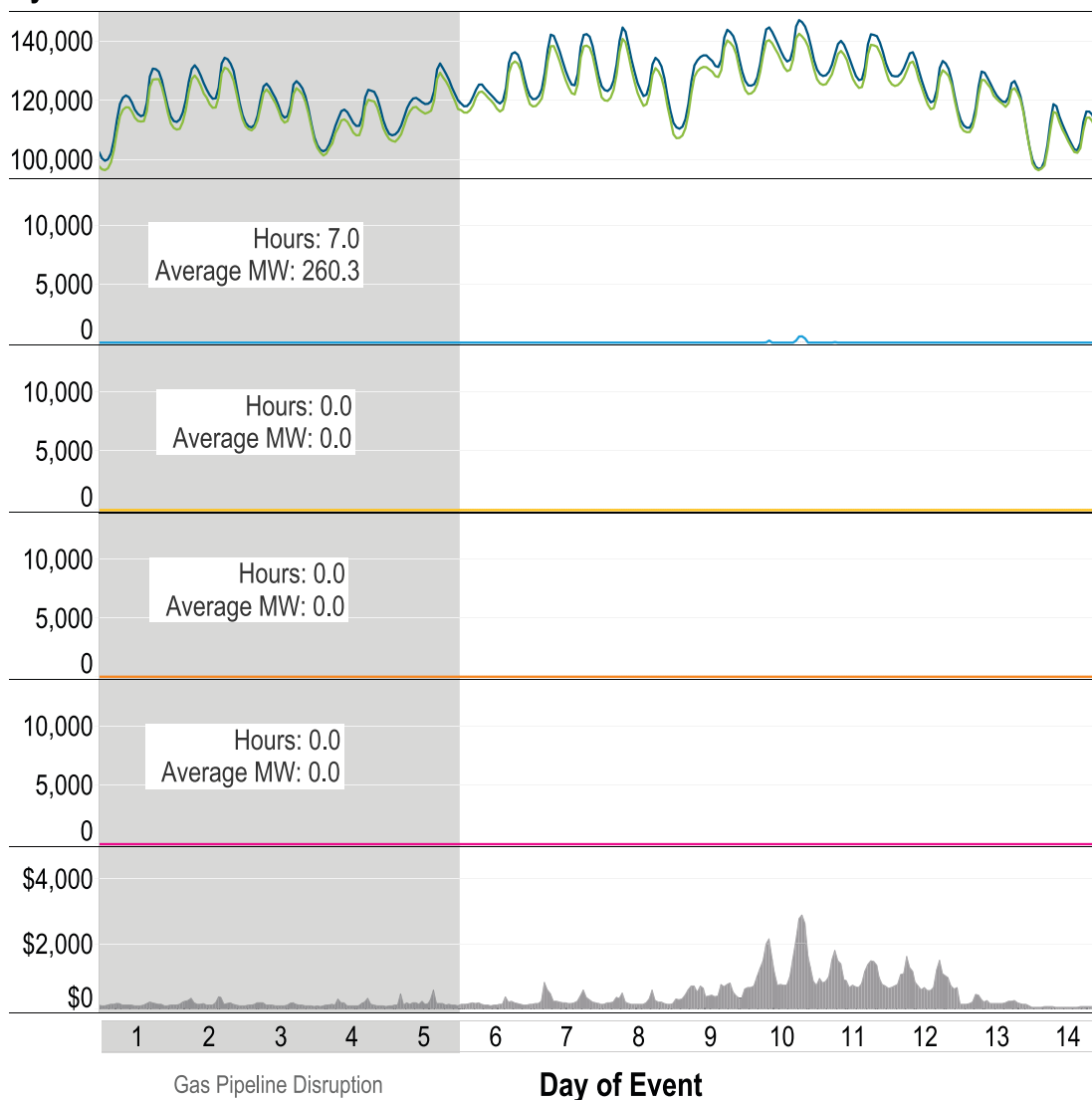


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



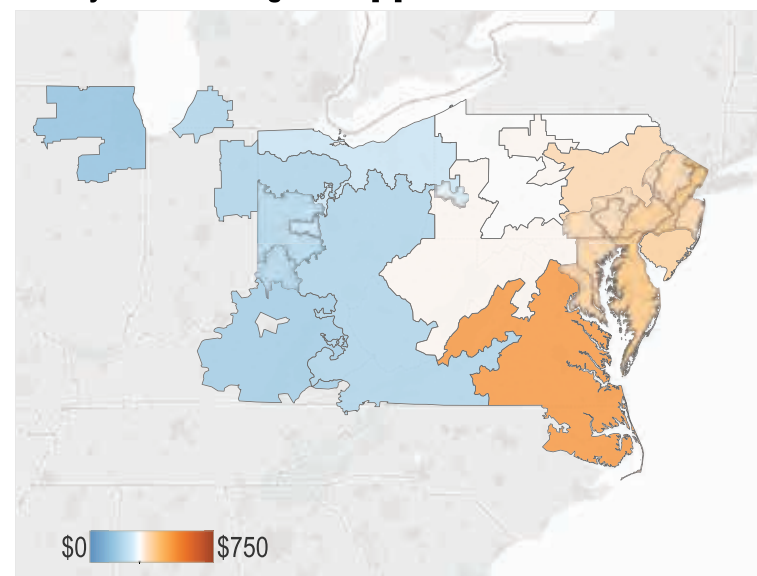
Legend



## Scenario: 86

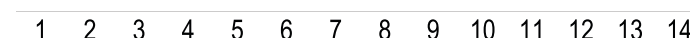
Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.48M

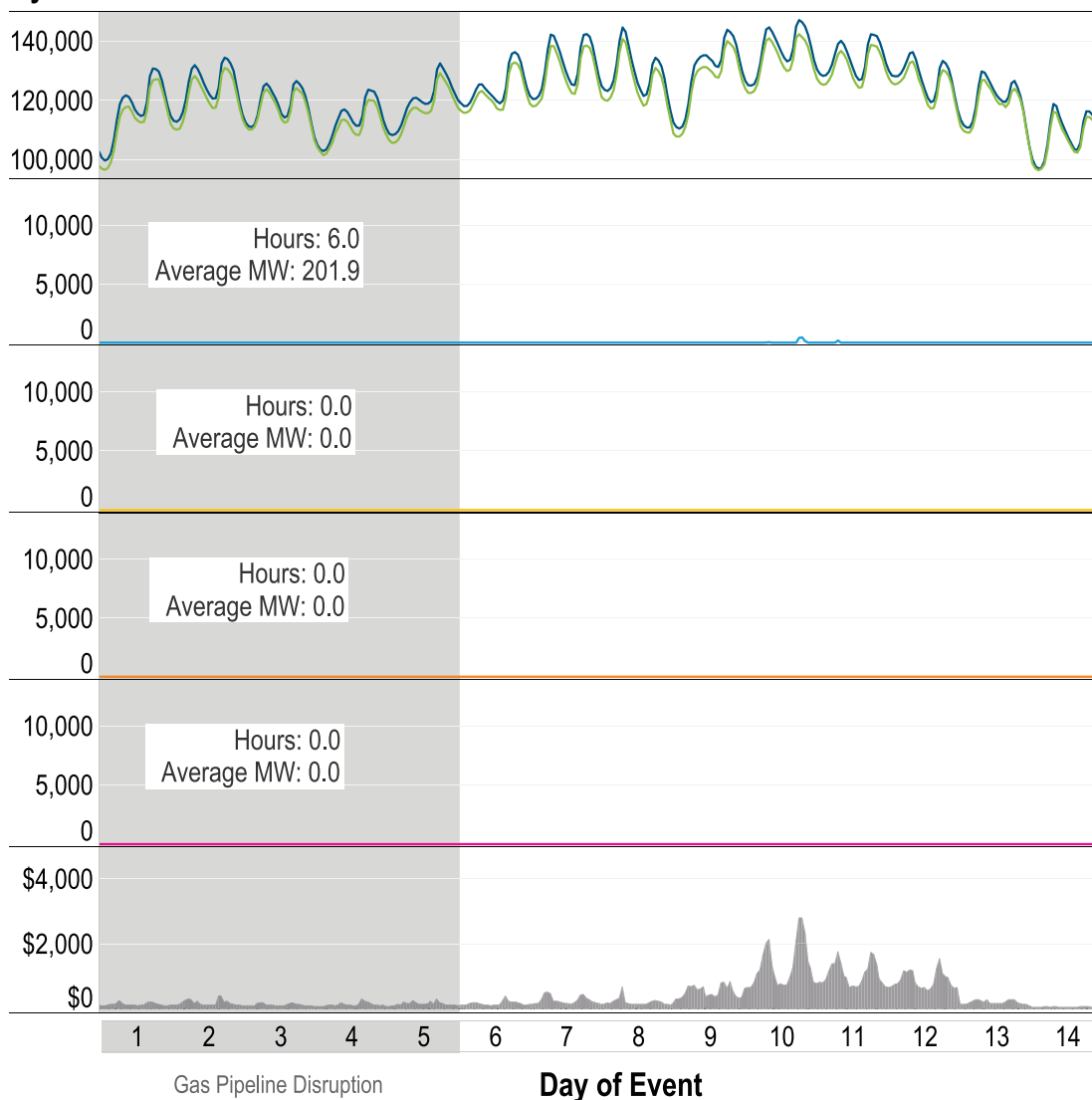


\*141 Total Sites

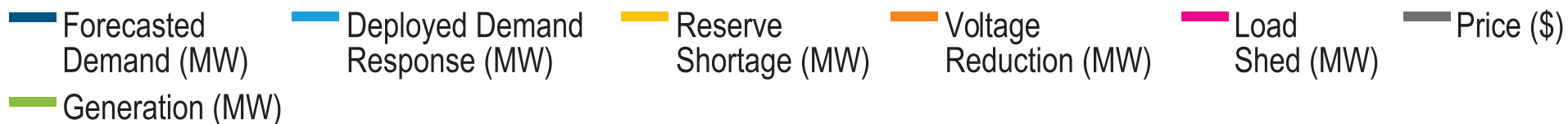
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



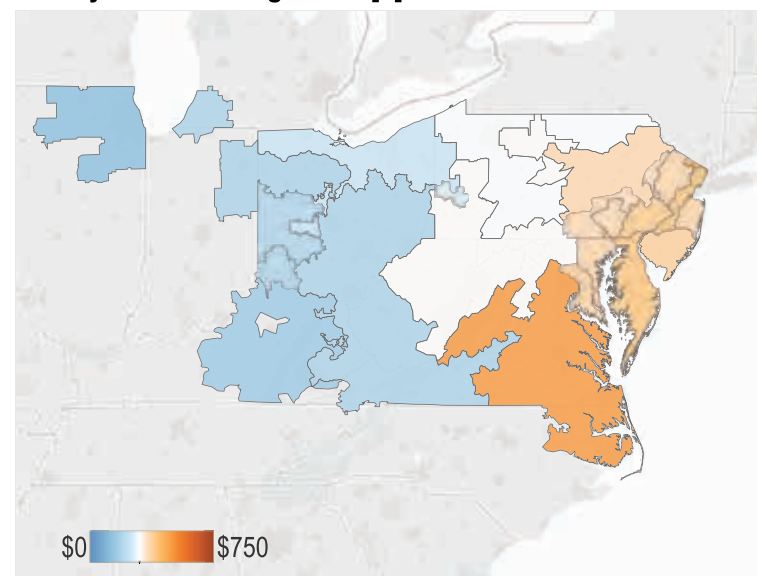
## Legend



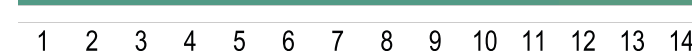
## Scenario: 87

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

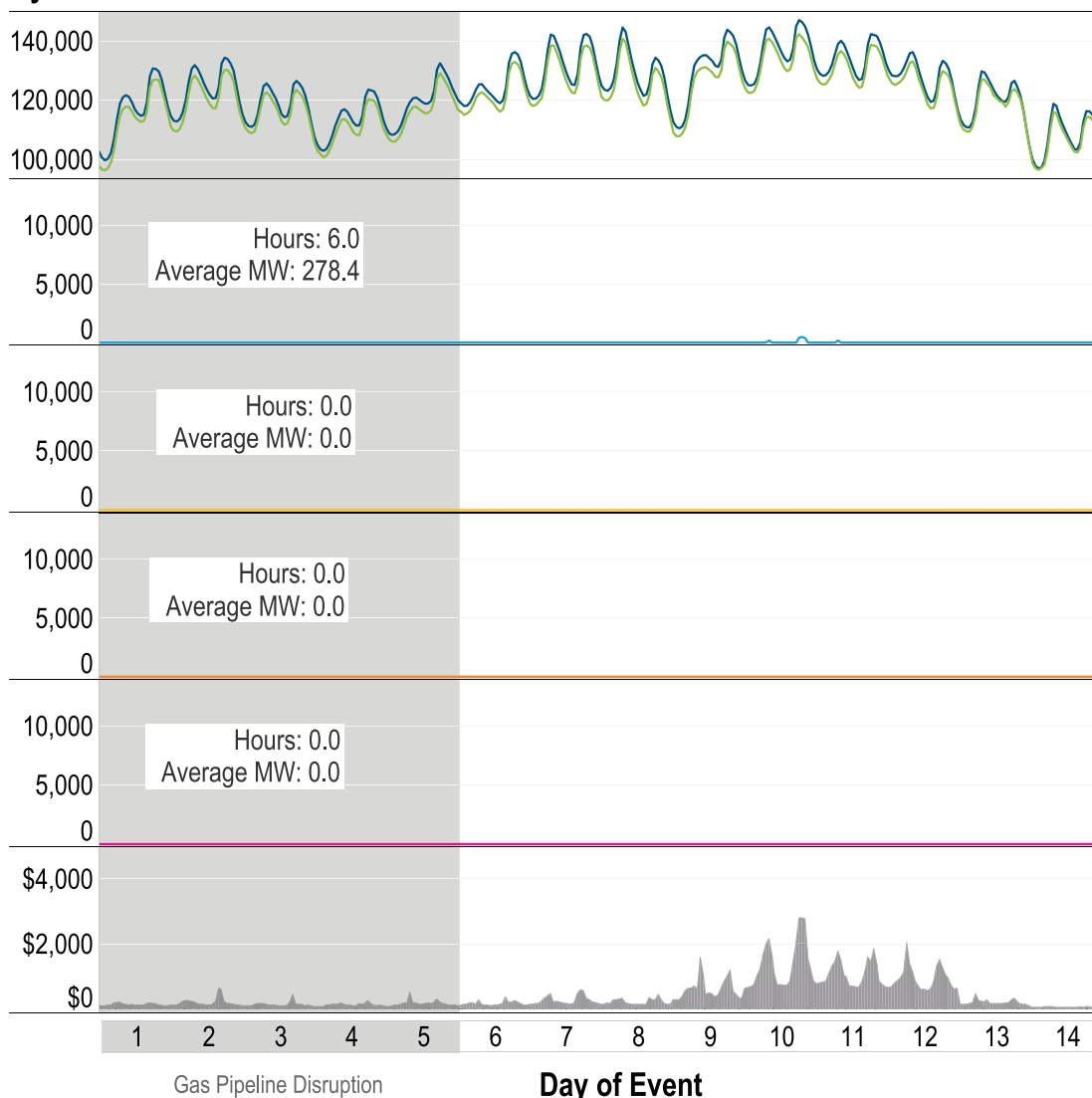


## Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



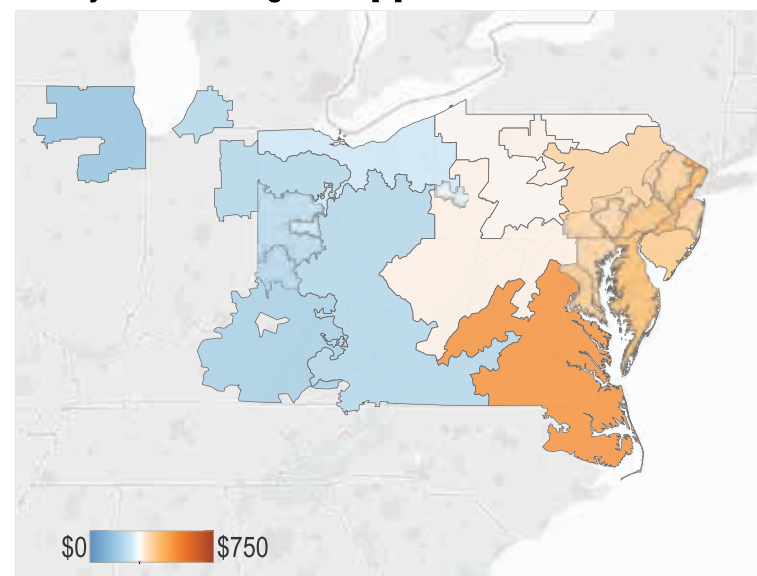
Legend



## Scenario: 88

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.49M



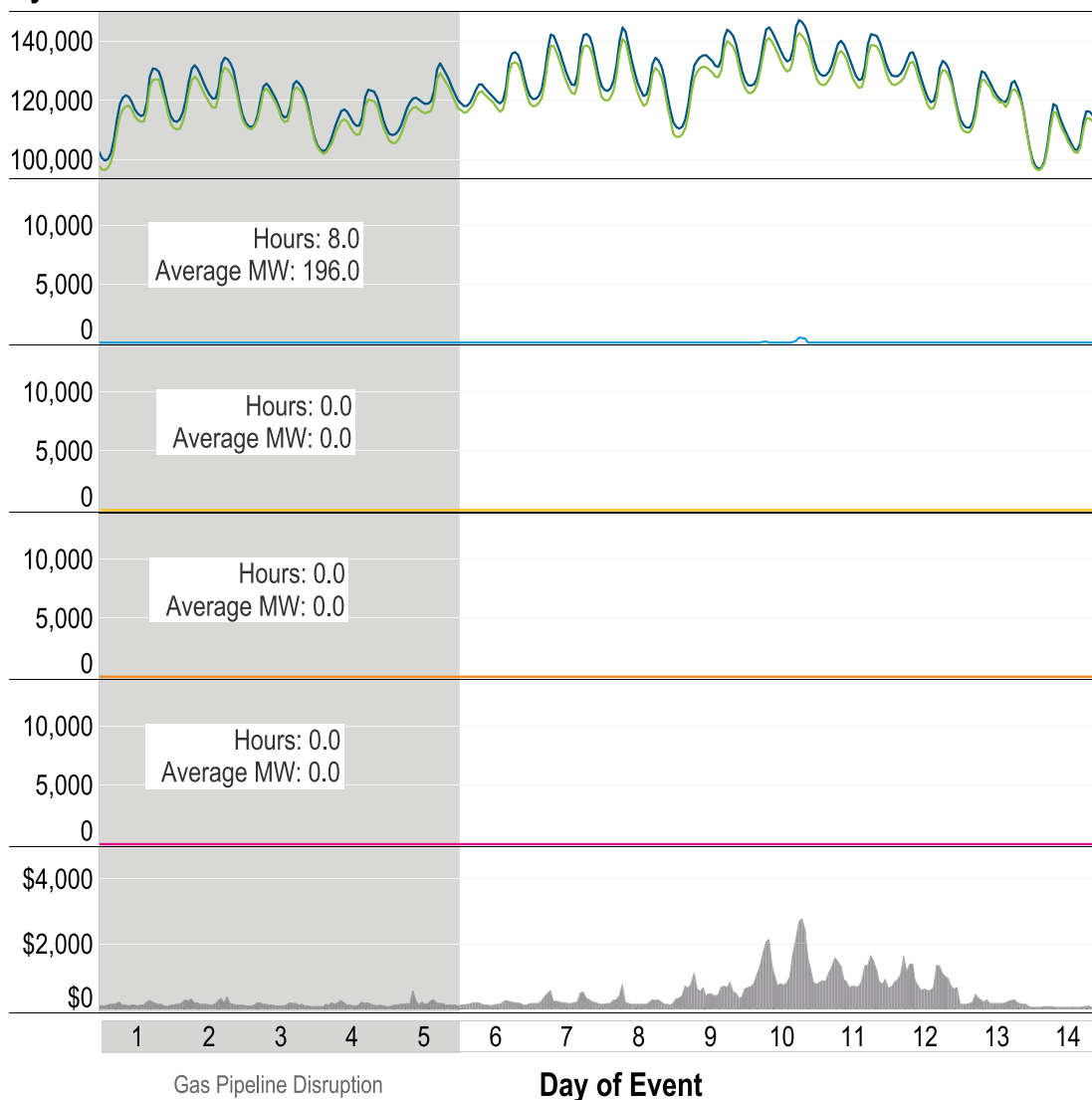
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



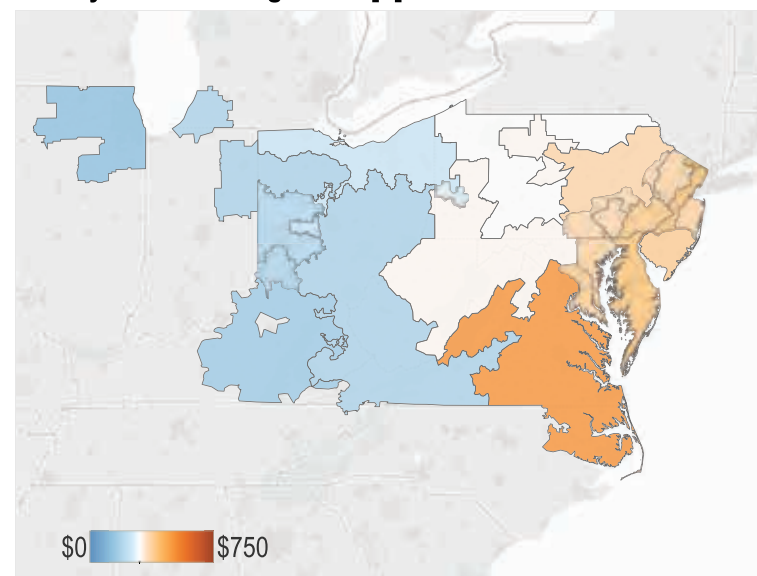
Legend



## Scenario: 89

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.49M

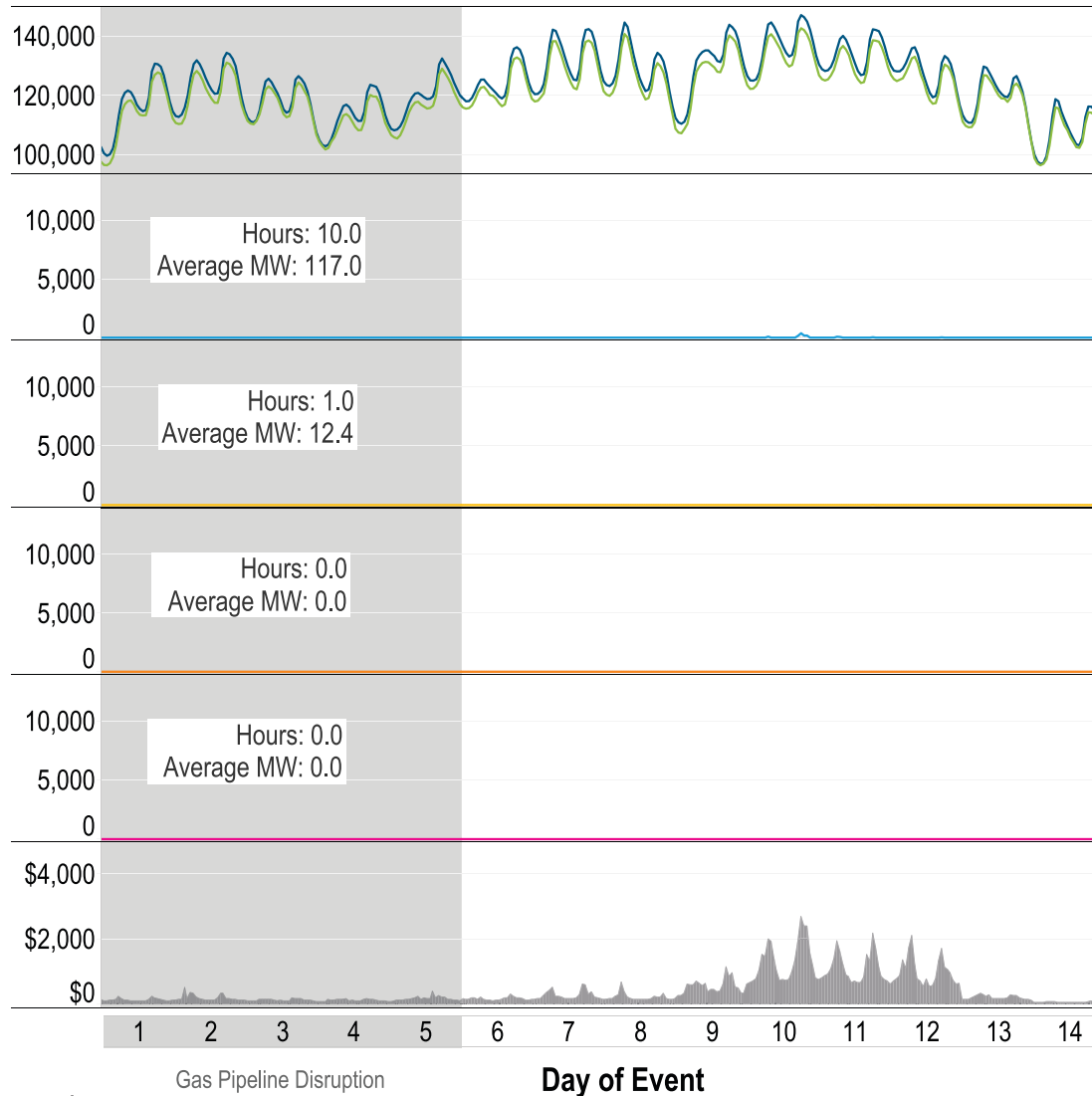


\*141 Total Sites

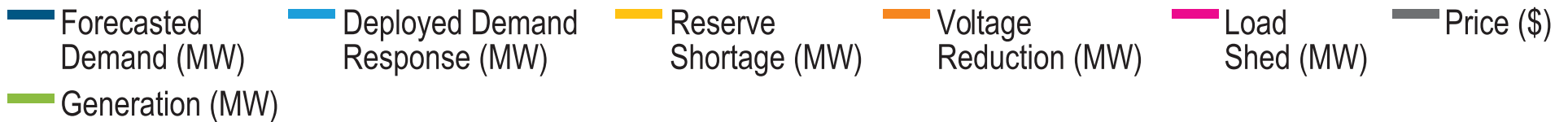
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



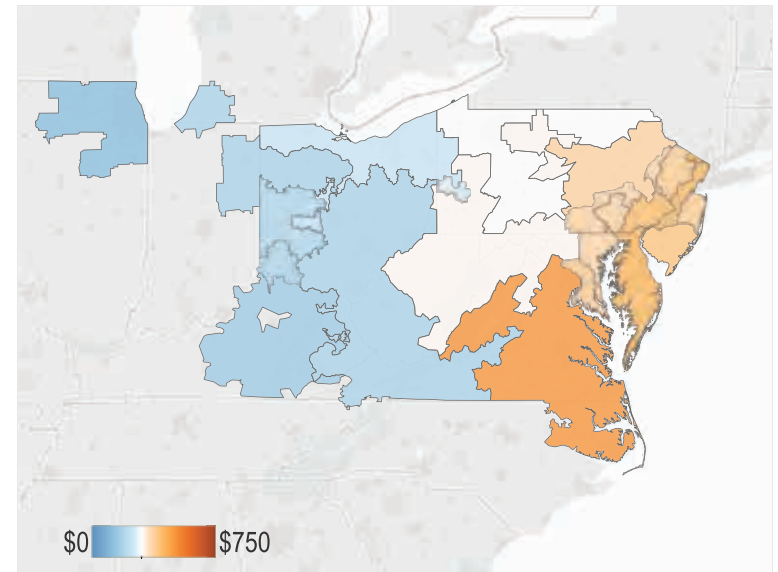
Legend



## Scenario: 90

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.47M

0	0	0	0	0	0	0	0	0	0	0	2	3	3	3
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

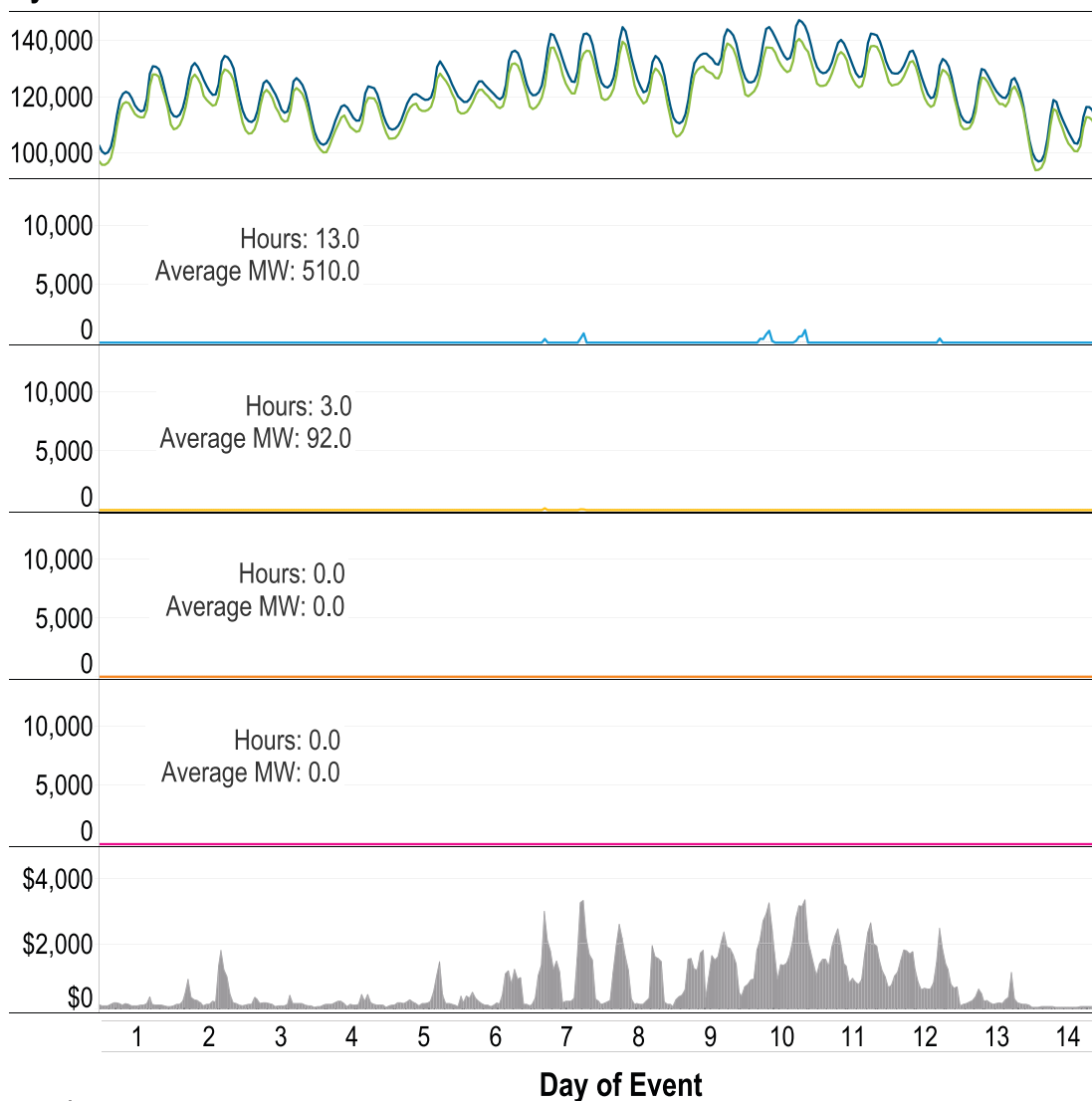
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

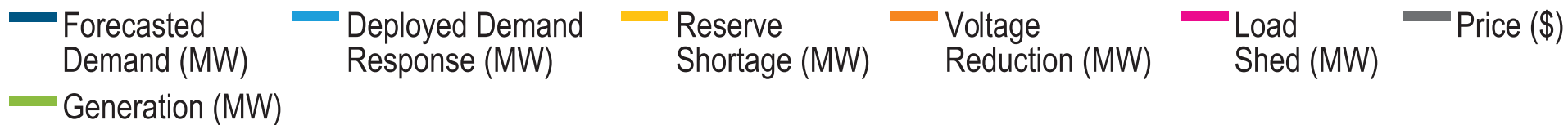
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



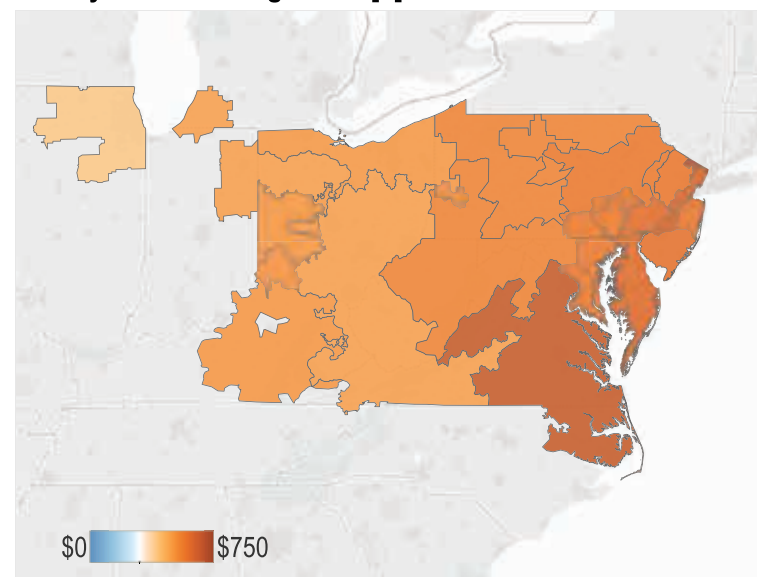
Legend



## Scenario: 91

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.90M



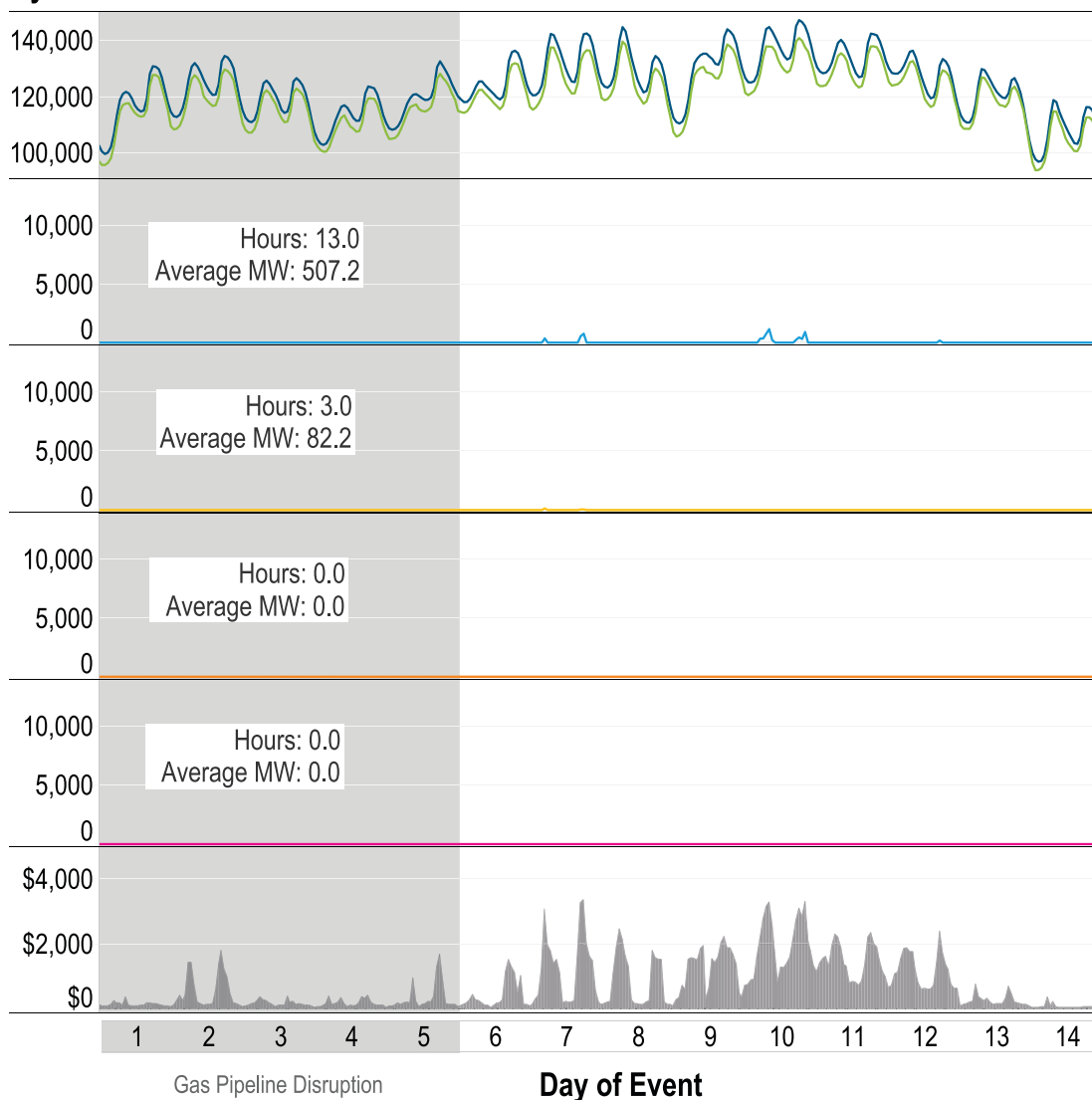
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



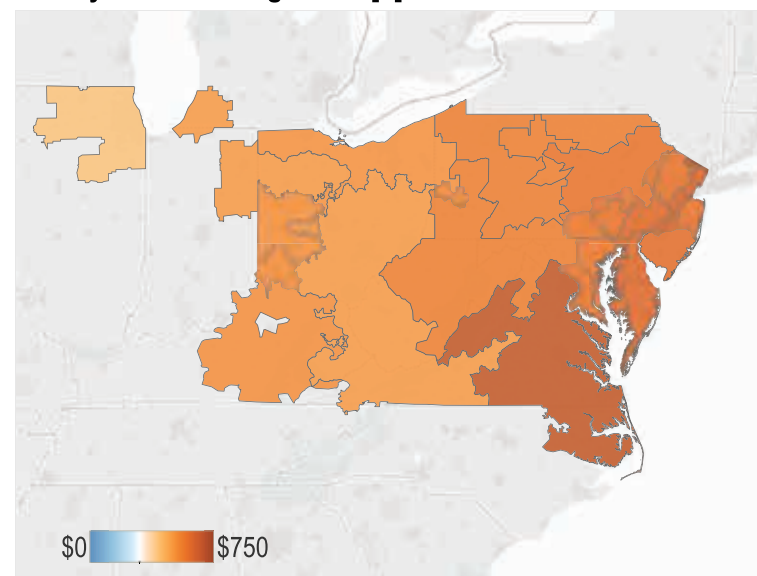
Legend



## Scenario: 92

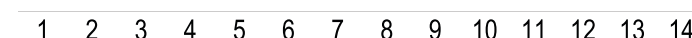
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.91M

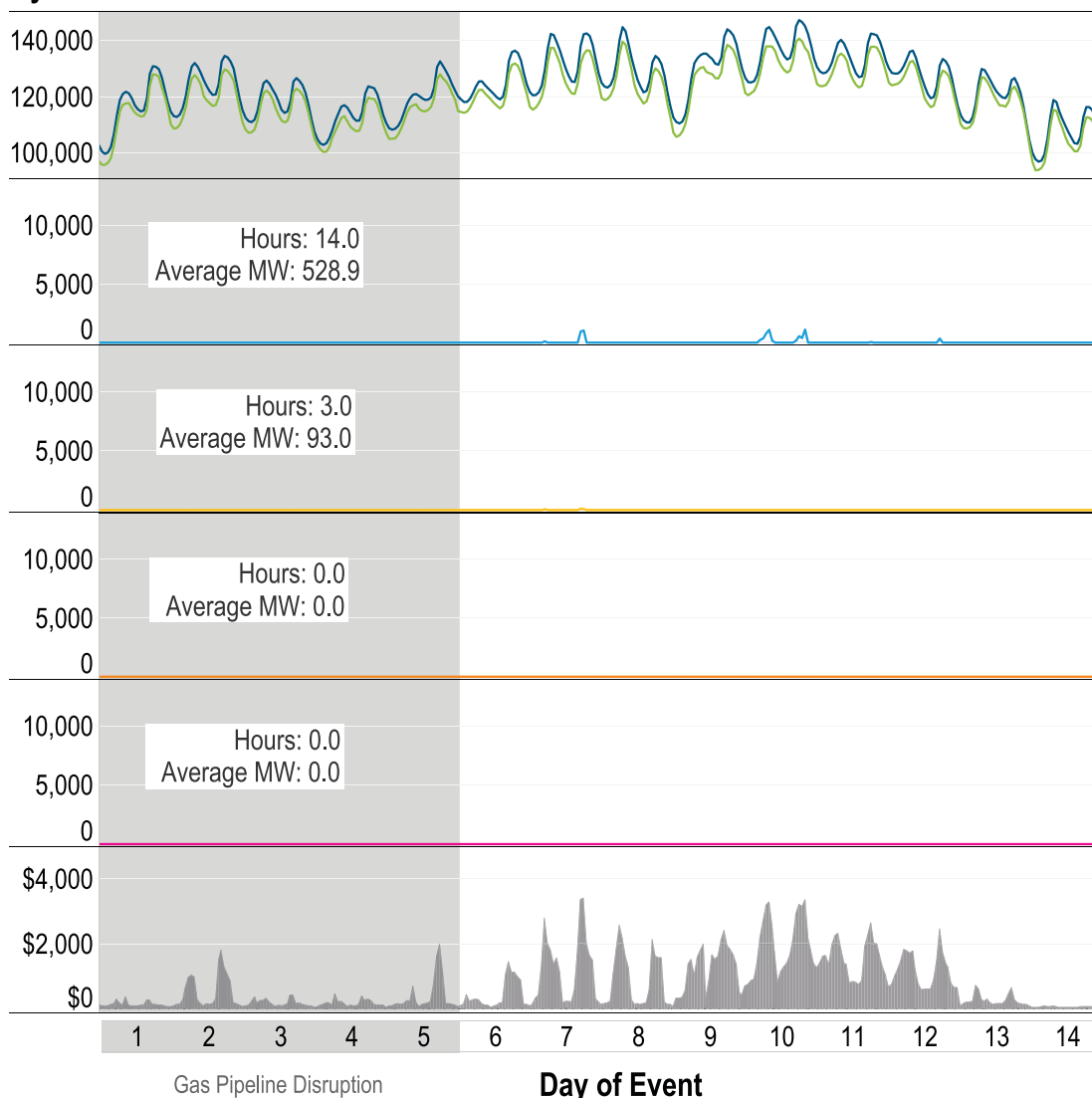


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



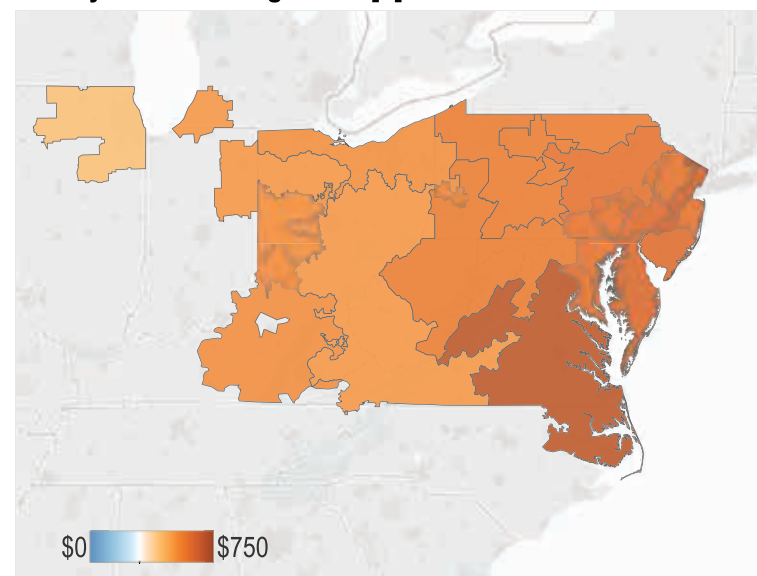
Legend



## Scenario: 93

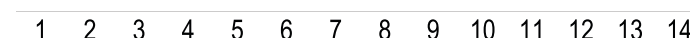
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.95M

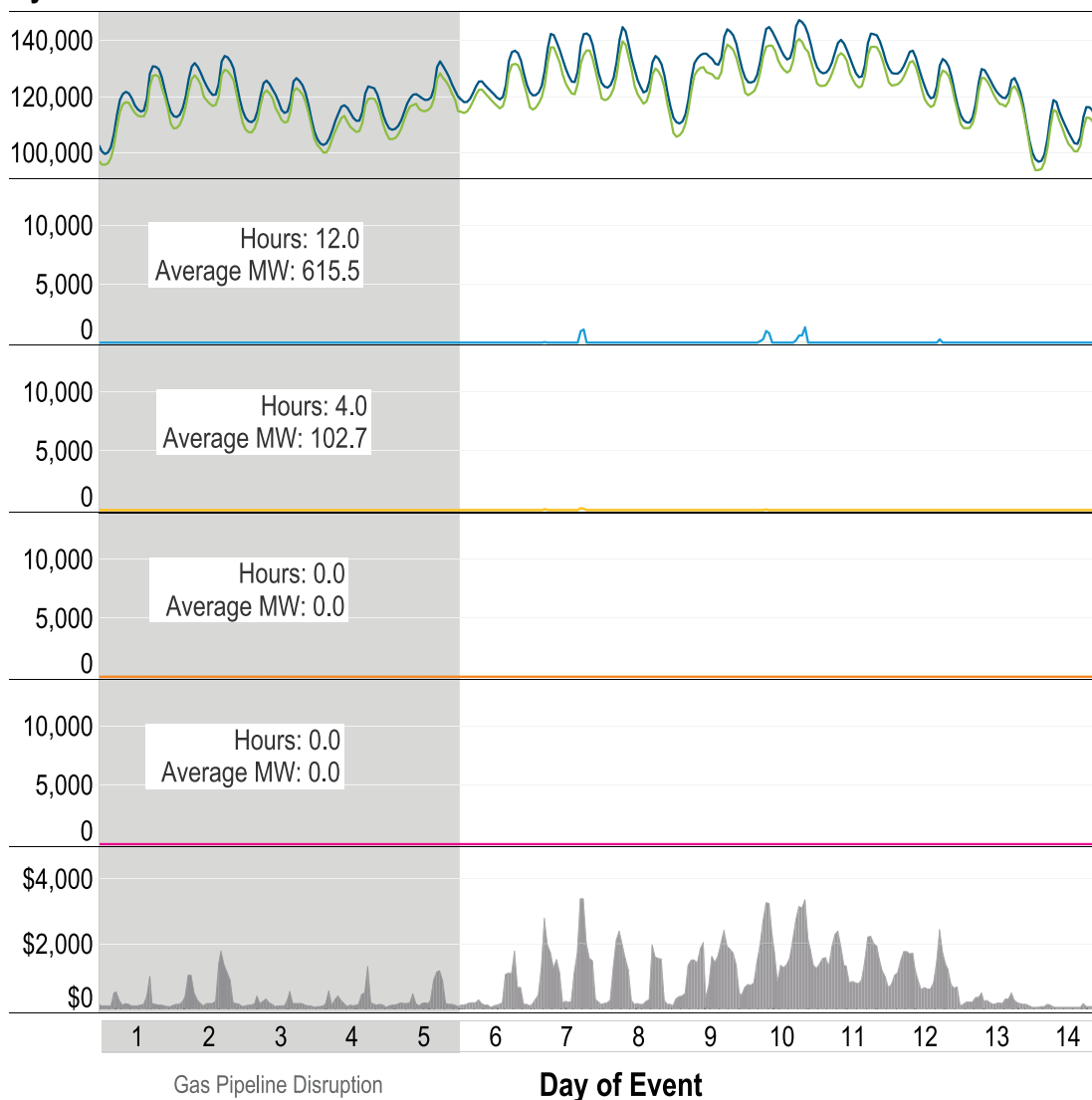


\*141 Total Sites

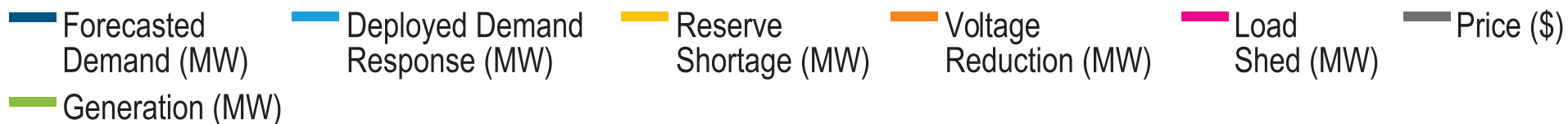
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



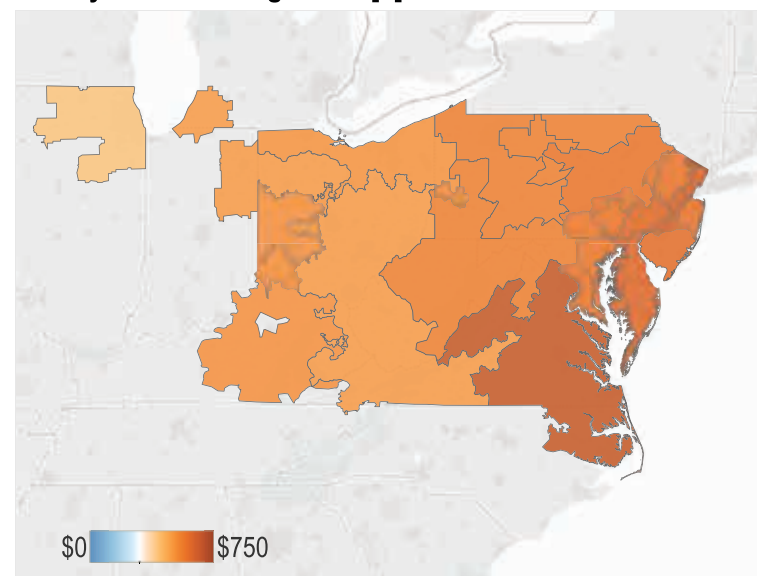
Legend



## Scenario: 94

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.91M



1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

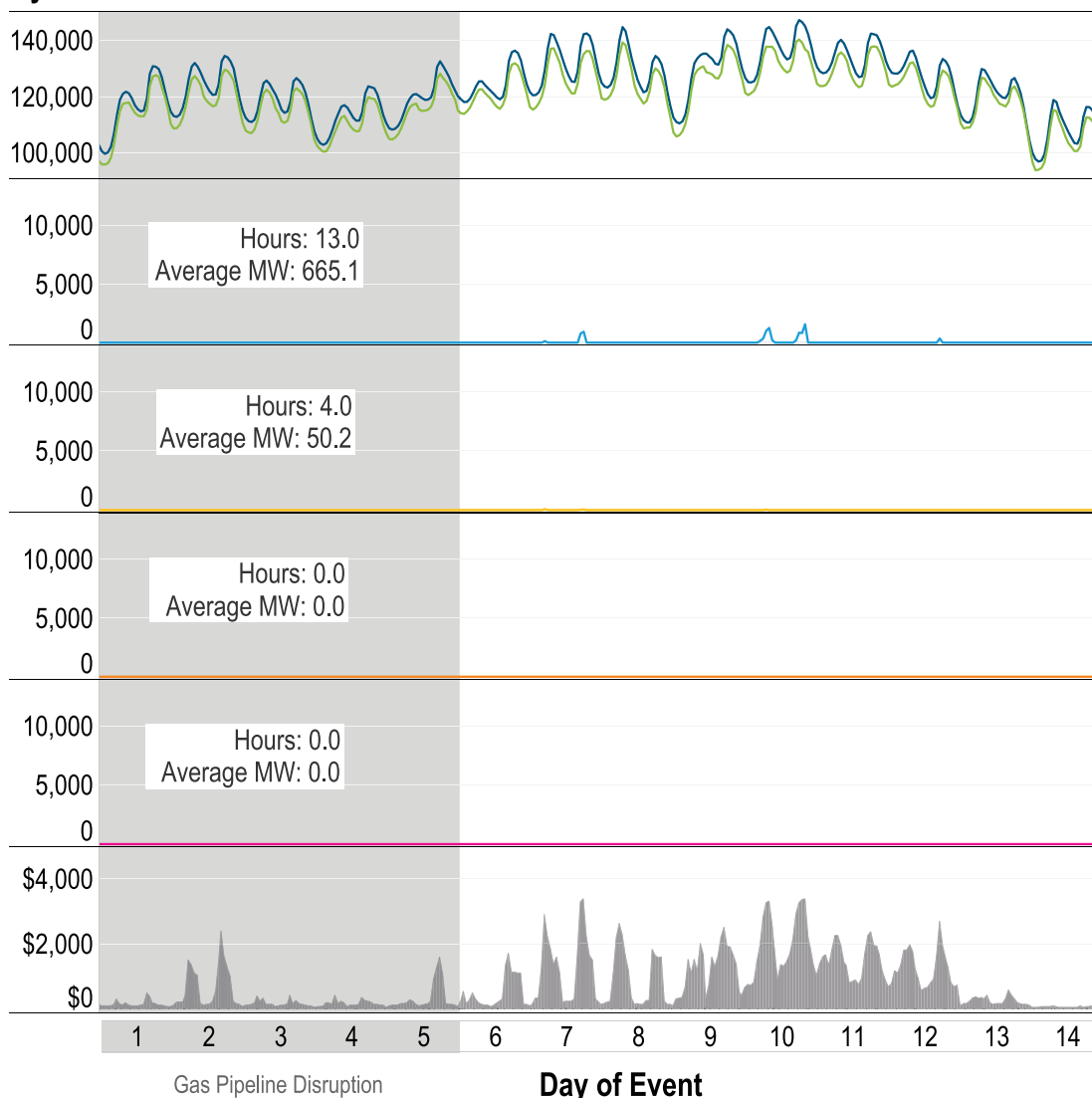
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



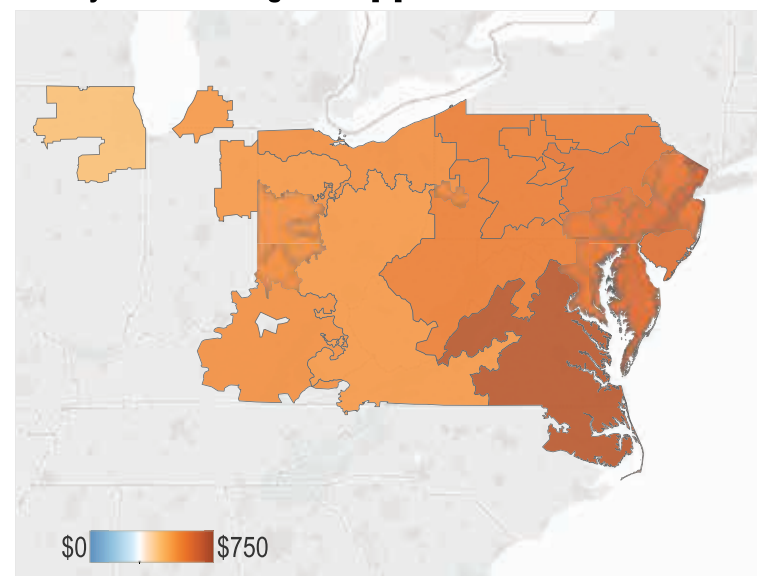
Legend



## Scenario: 95

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.01M

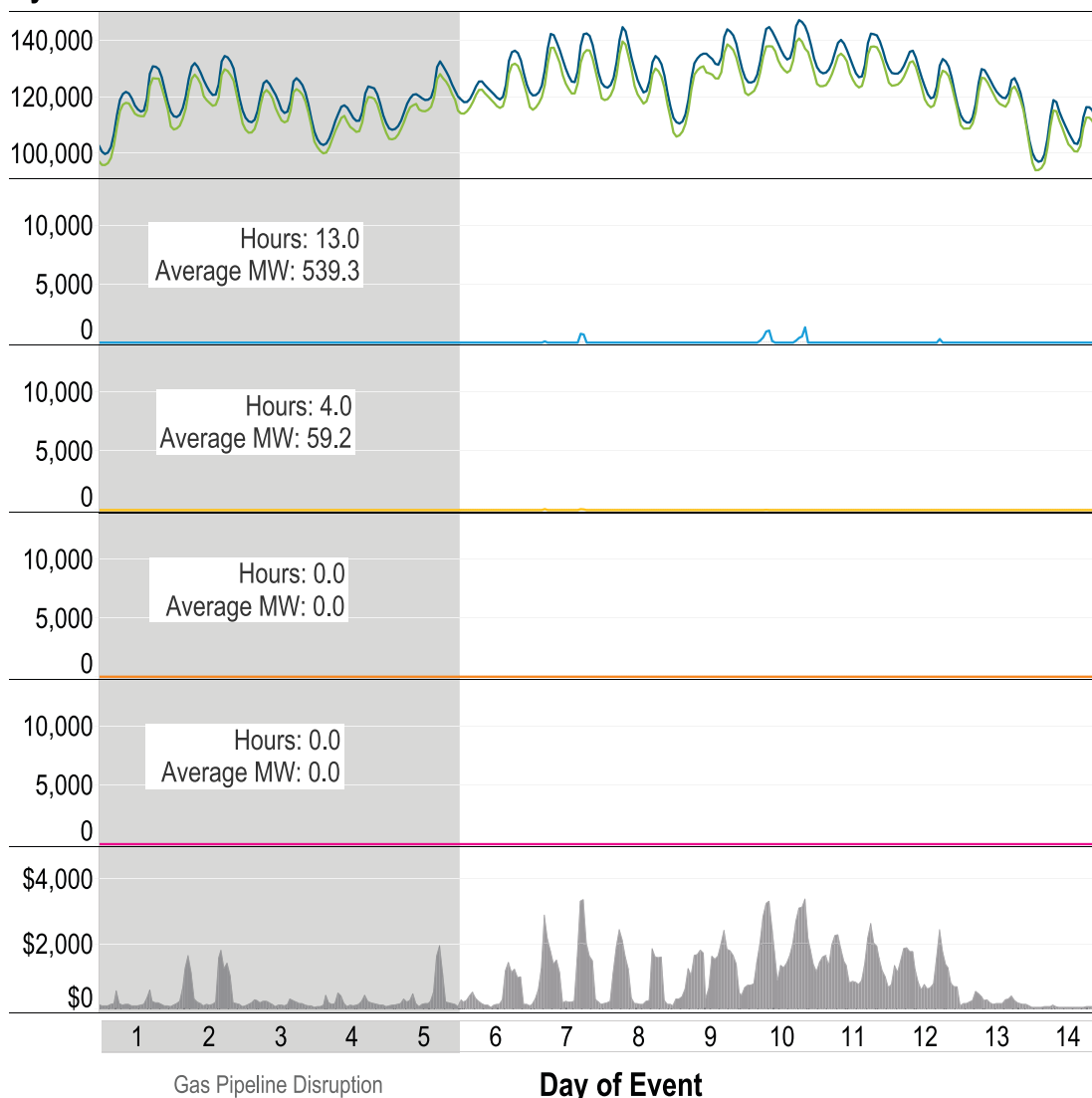


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



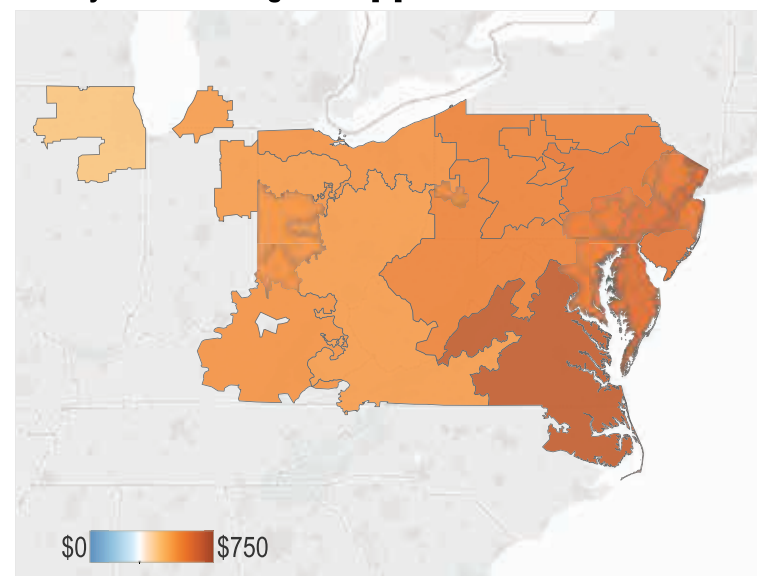
Legend



## Scenario: 96

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.92M

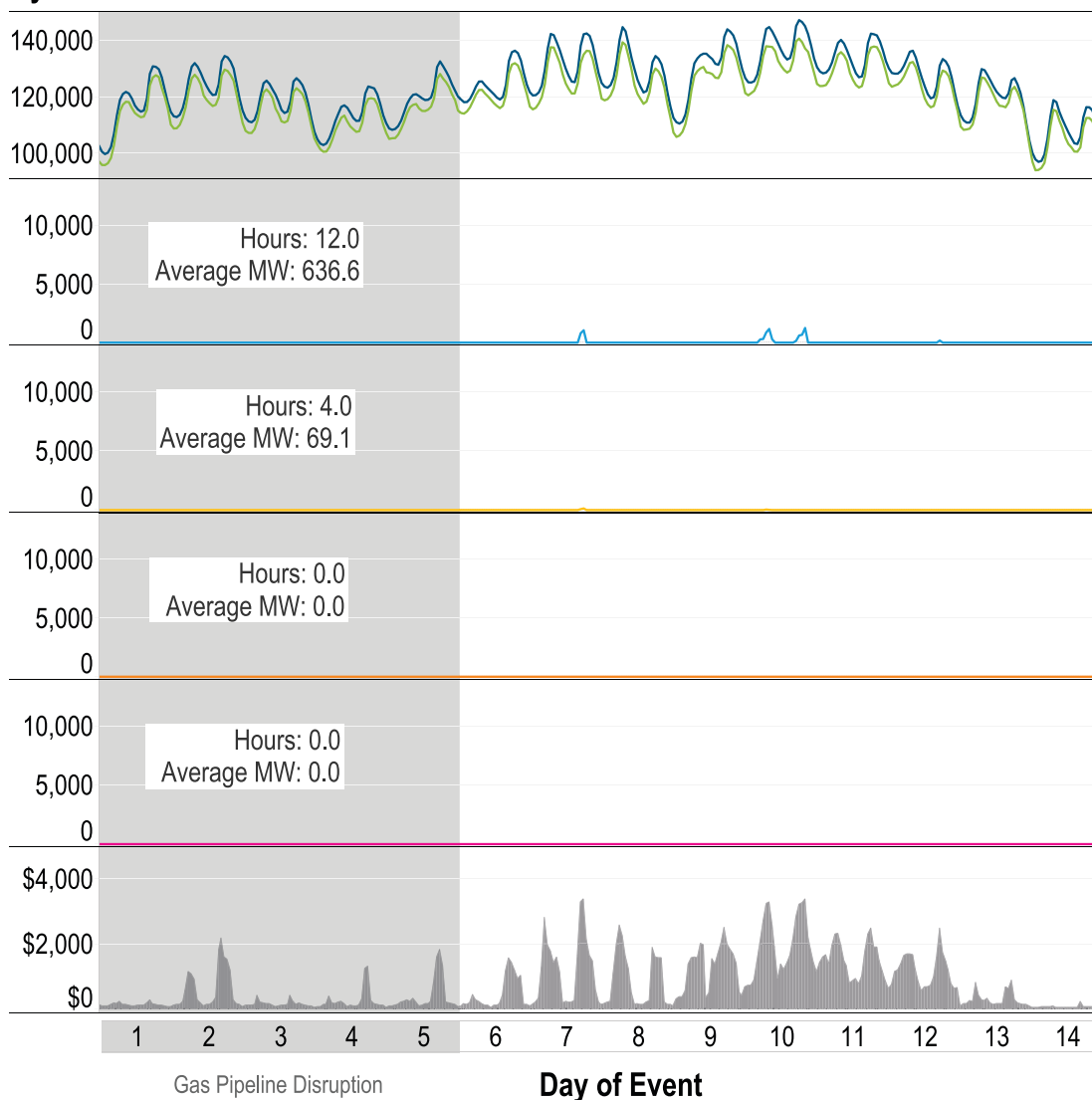


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



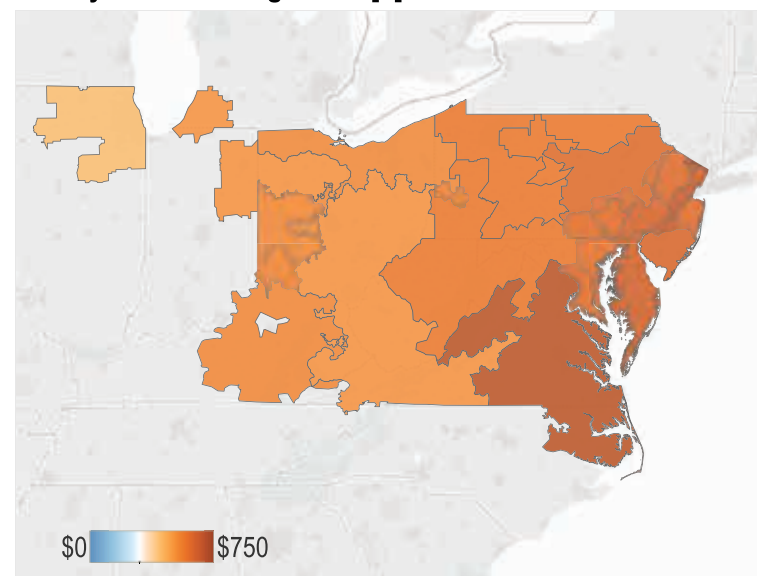
Legend



## Scenario: 97

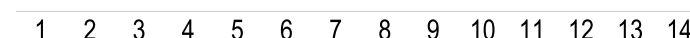
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.98M

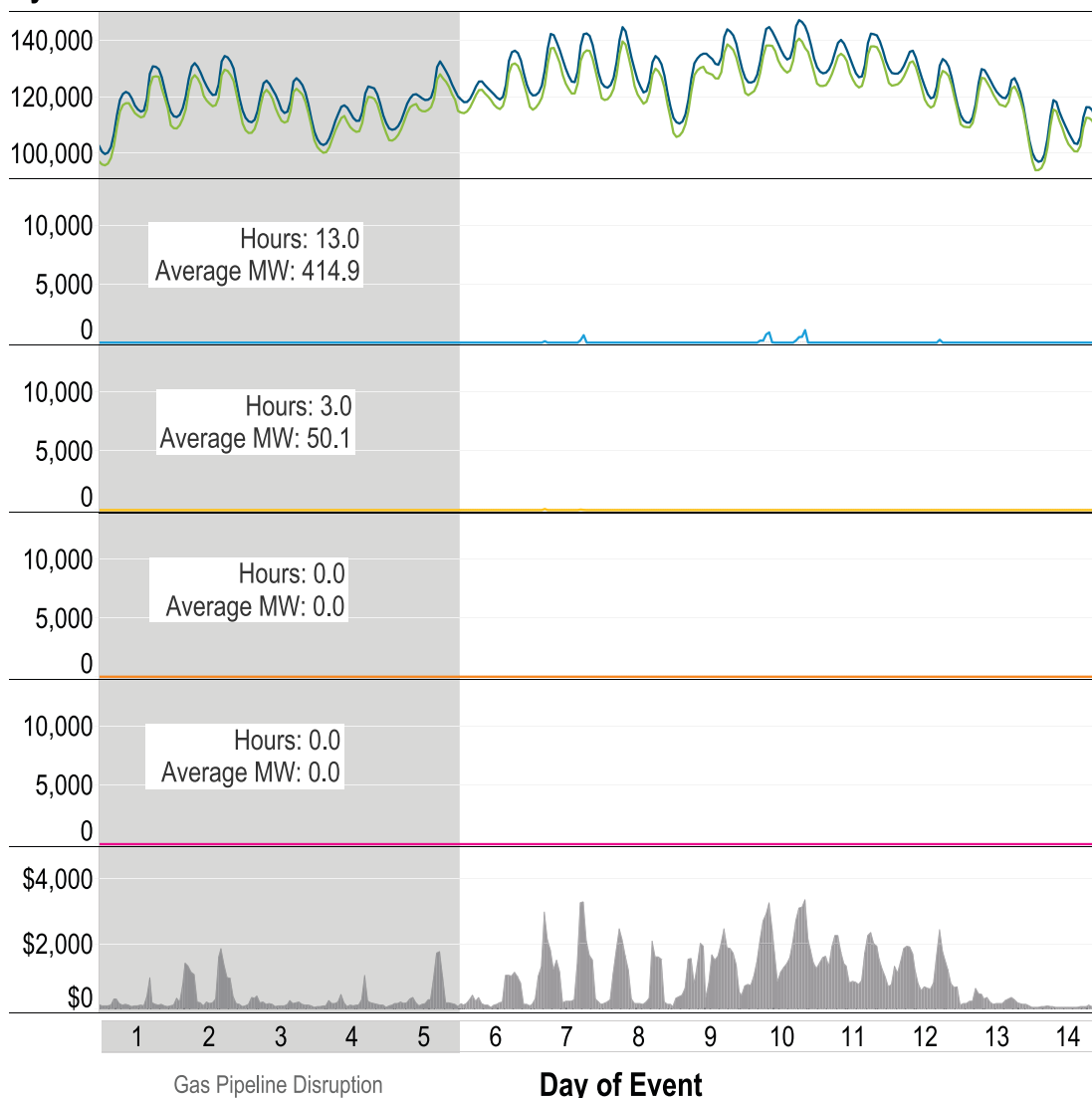


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



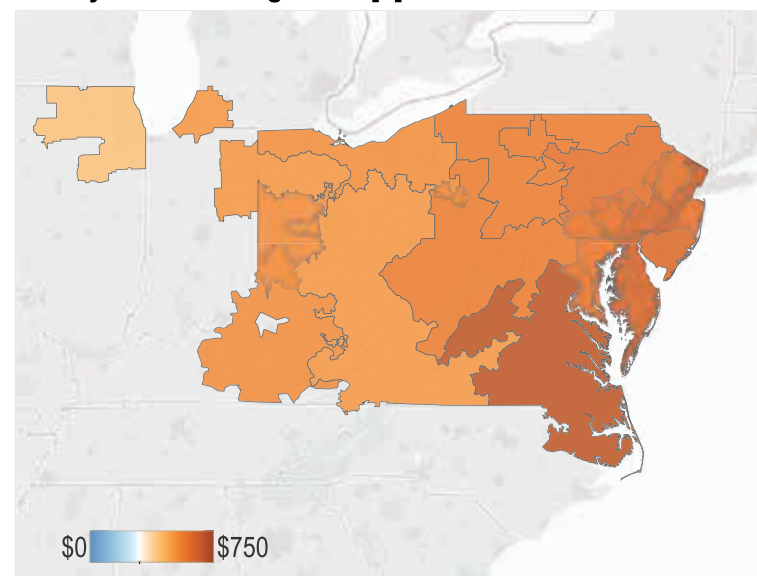
Legend



## Scenario: 98

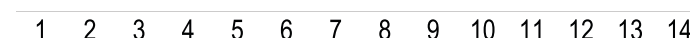
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.90M

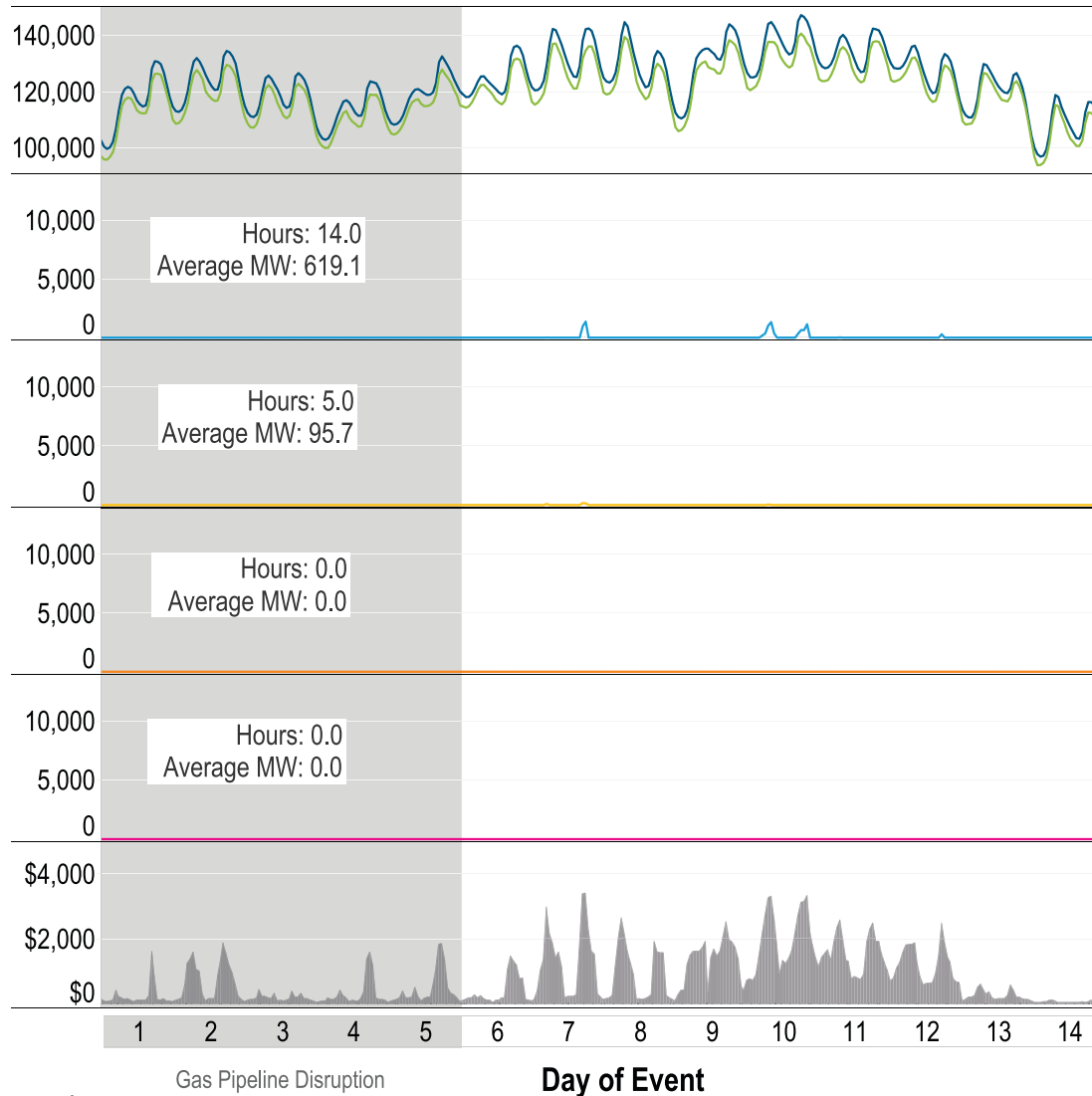


\*141 Total Sites

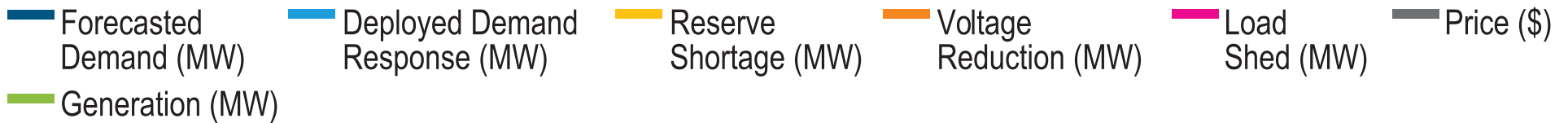
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



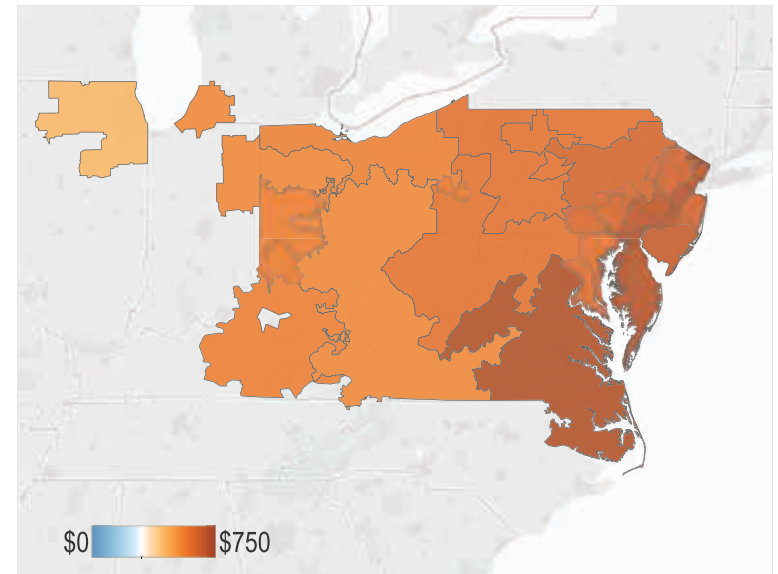
Legend



## Scenario: 99

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.02M



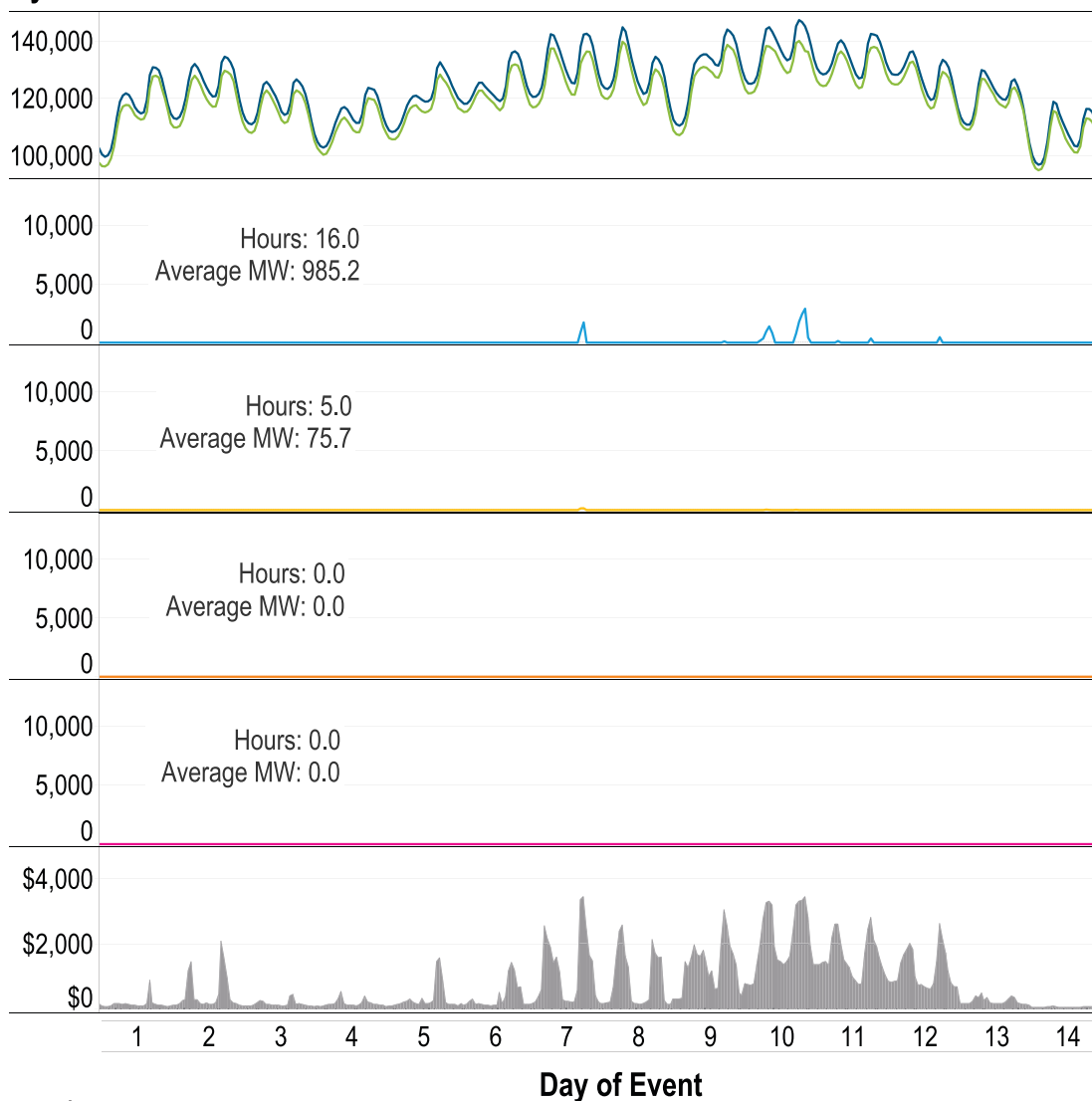
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

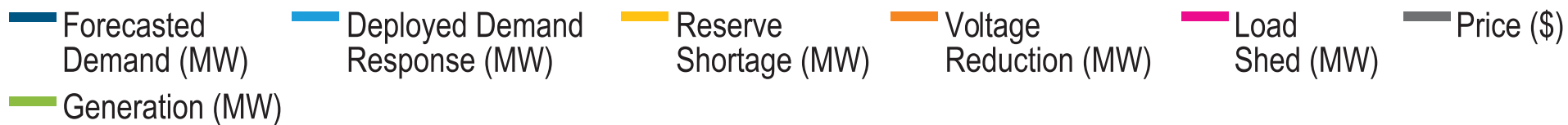
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



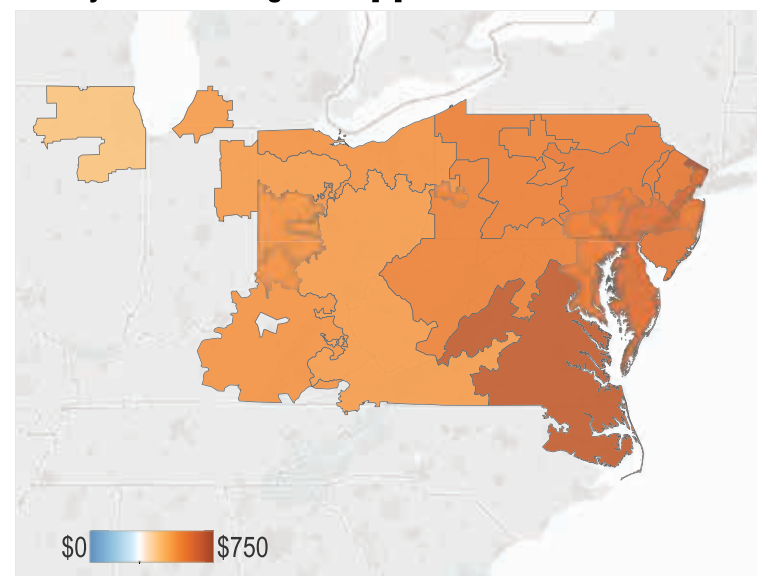
Legend



## Scenario: 100

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.19M

0	0	0	0	0	0	0	0	1	4	8	9	12	11	11
---	---	---	---	---	---	---	---	---	---	---	---	----	----	----

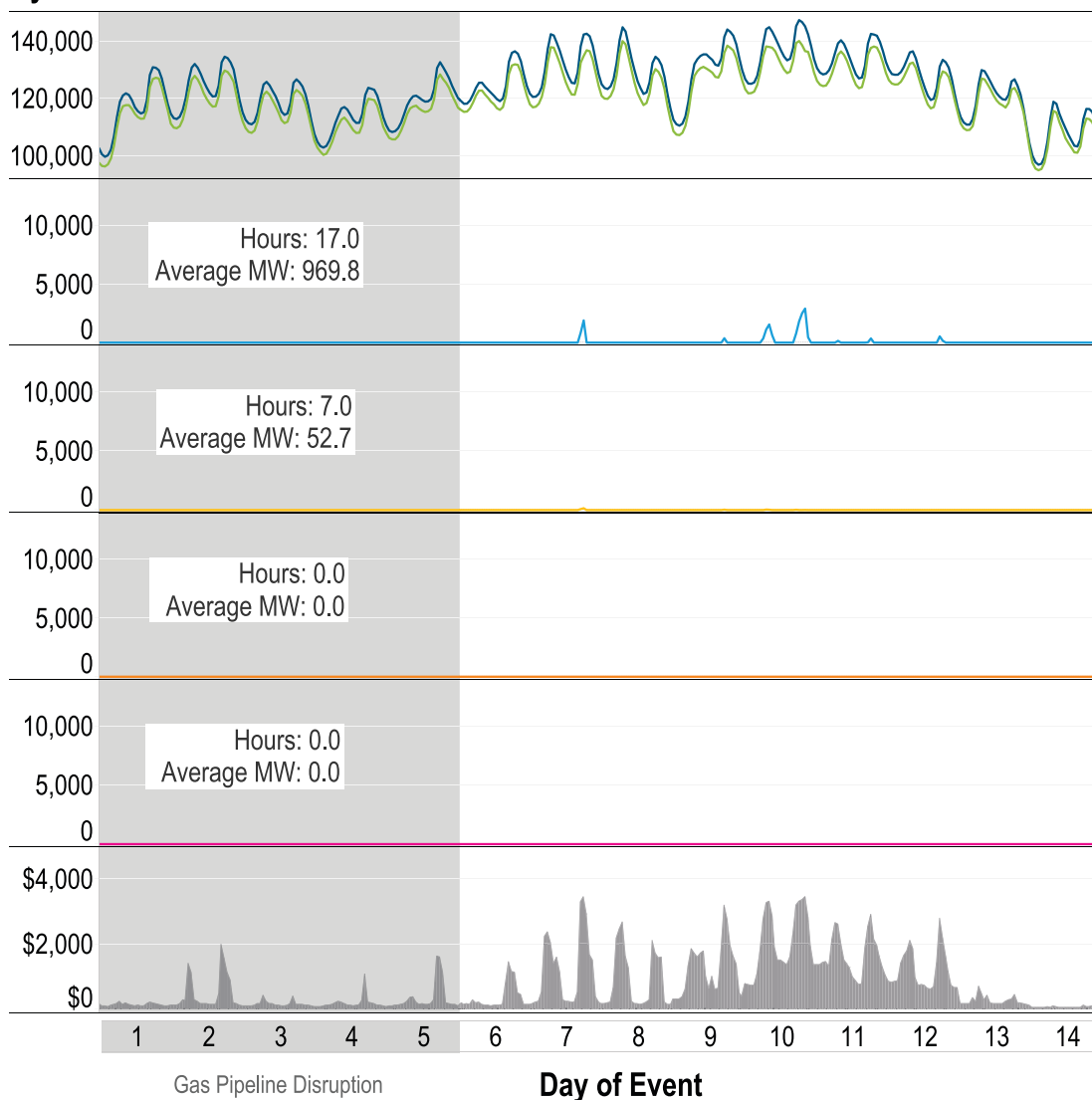
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

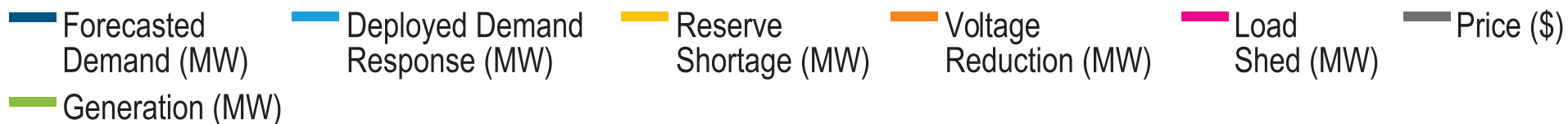
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



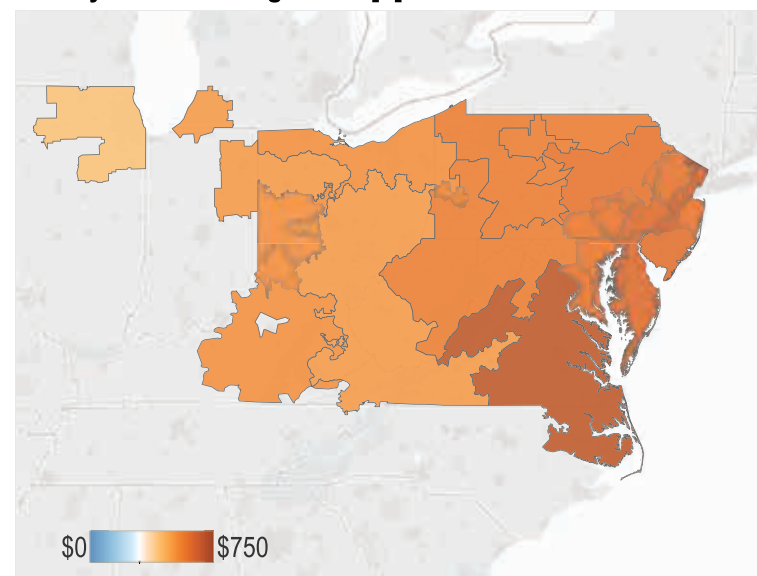
Legend



## Scenario: 101

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.20M

0	0	0	0	0	0	0	0	1	5	10	12	12	11	11
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

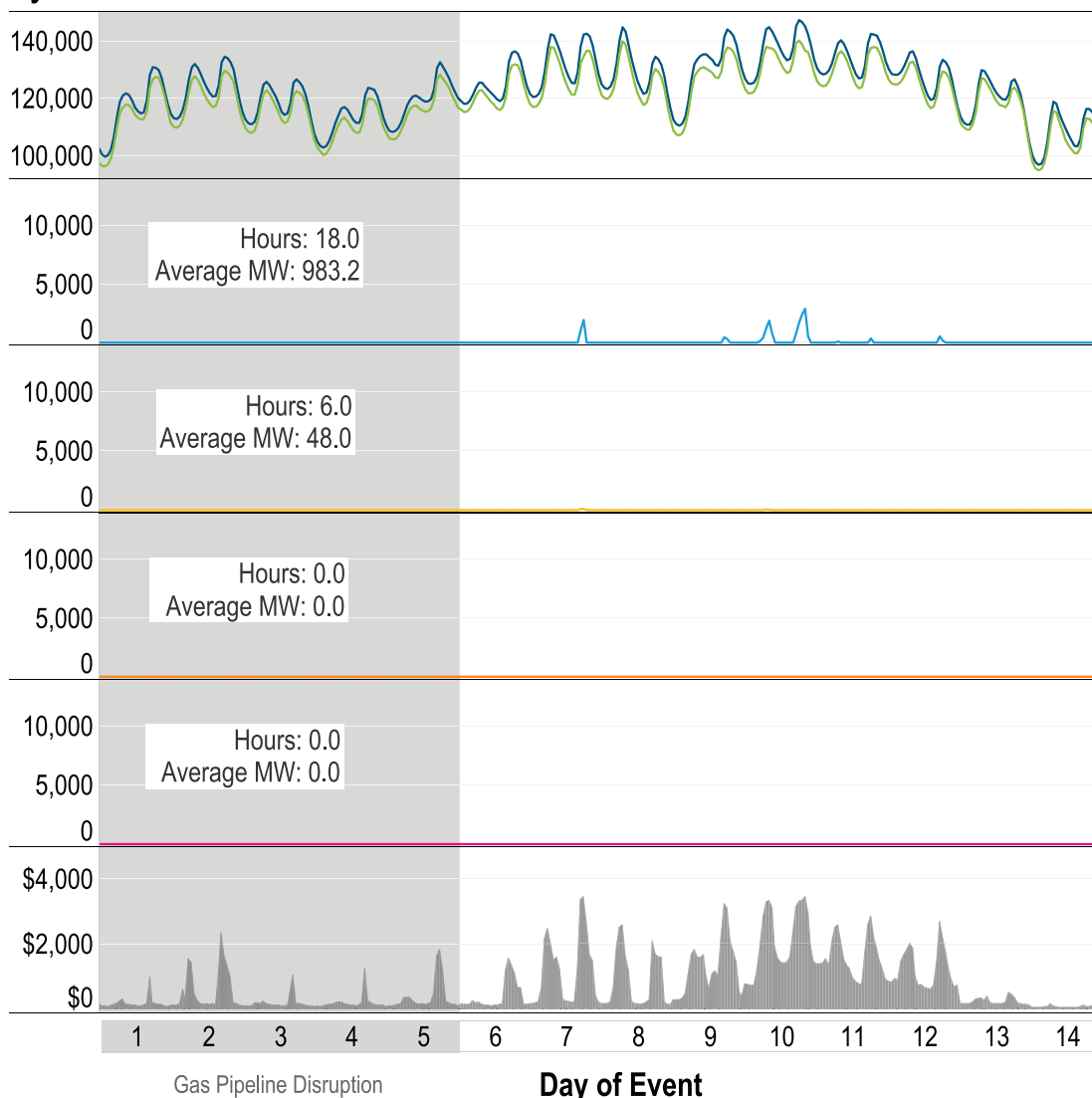
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



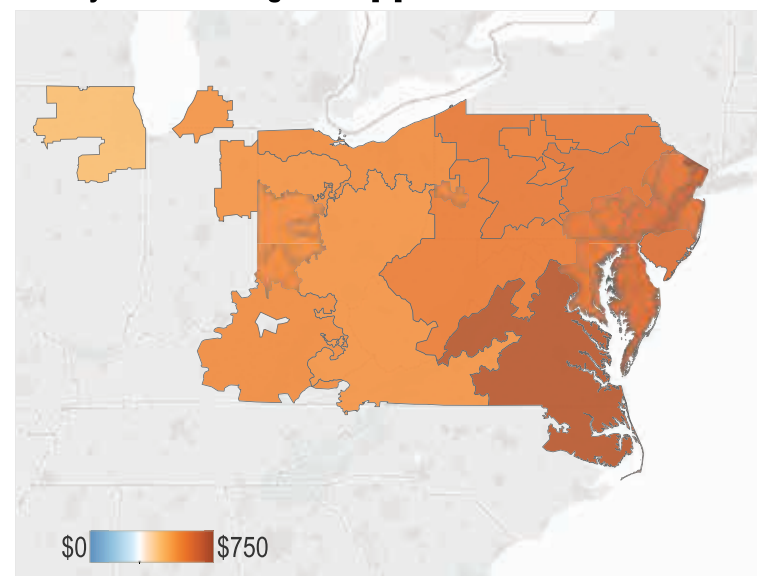
Legend



## Scenario: 102

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.25M

0	0	0	0	0	0	0	0	1	5	9	9	11	10	10
---	---	---	---	---	---	---	---	---	---	---	---	----	----	----

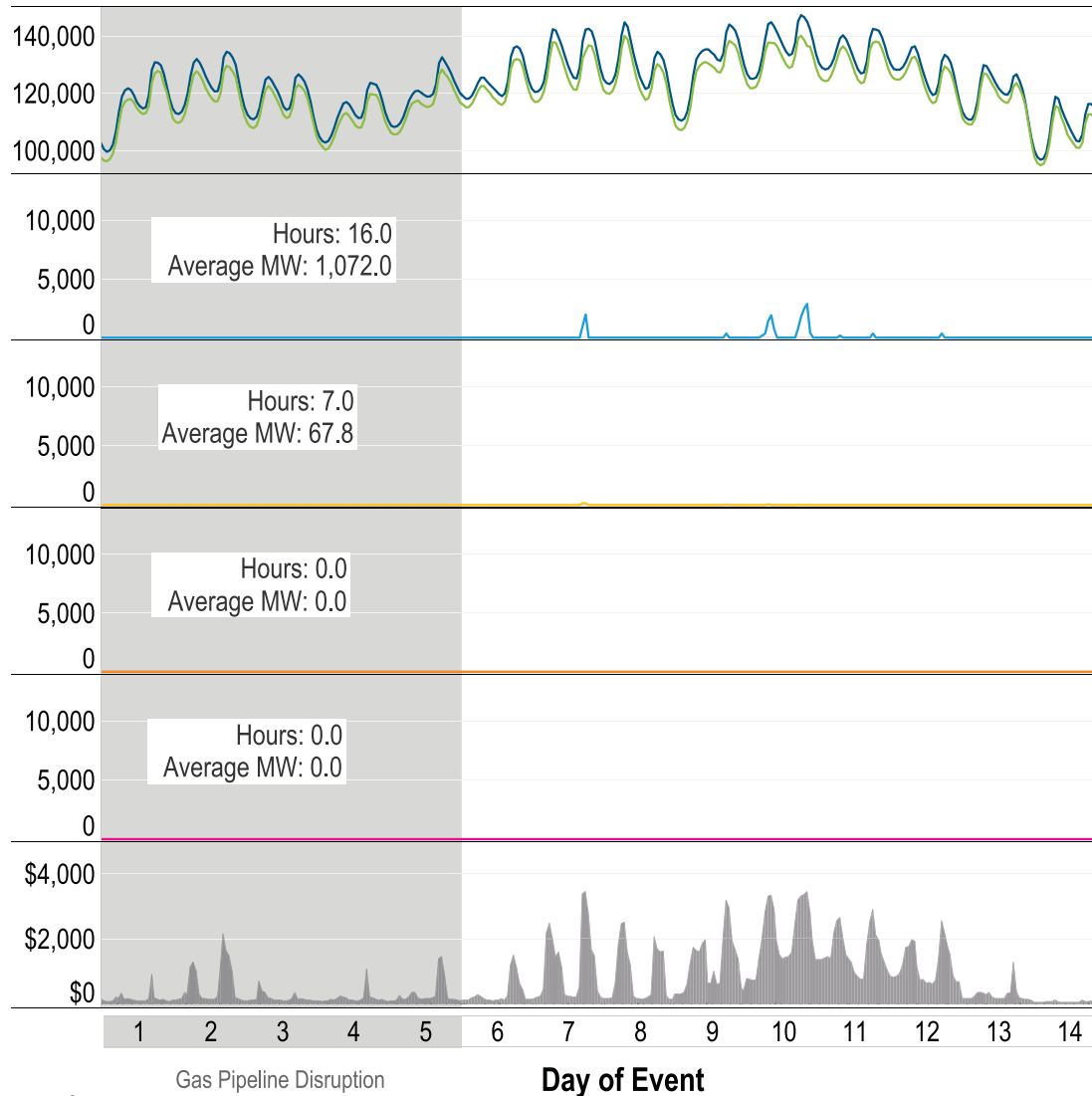
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

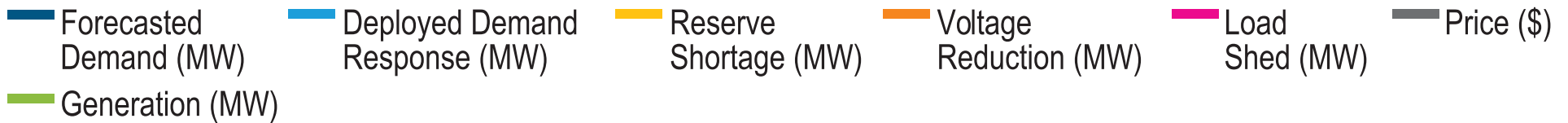
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



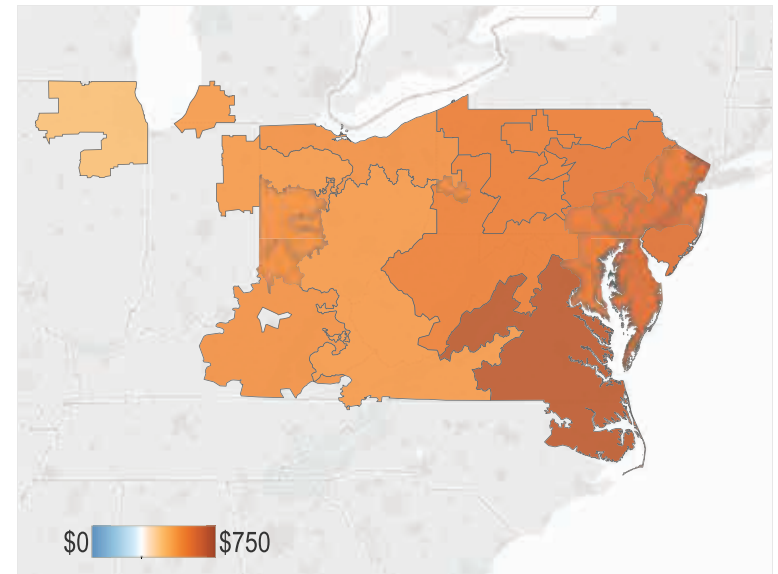
Legend



## Scenario: 103

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.21M

0	0	0	0	0	0	0	0	1	3	8	8	10	9	9
---	---	---	---	---	---	---	---	---	---	---	---	----	---	---

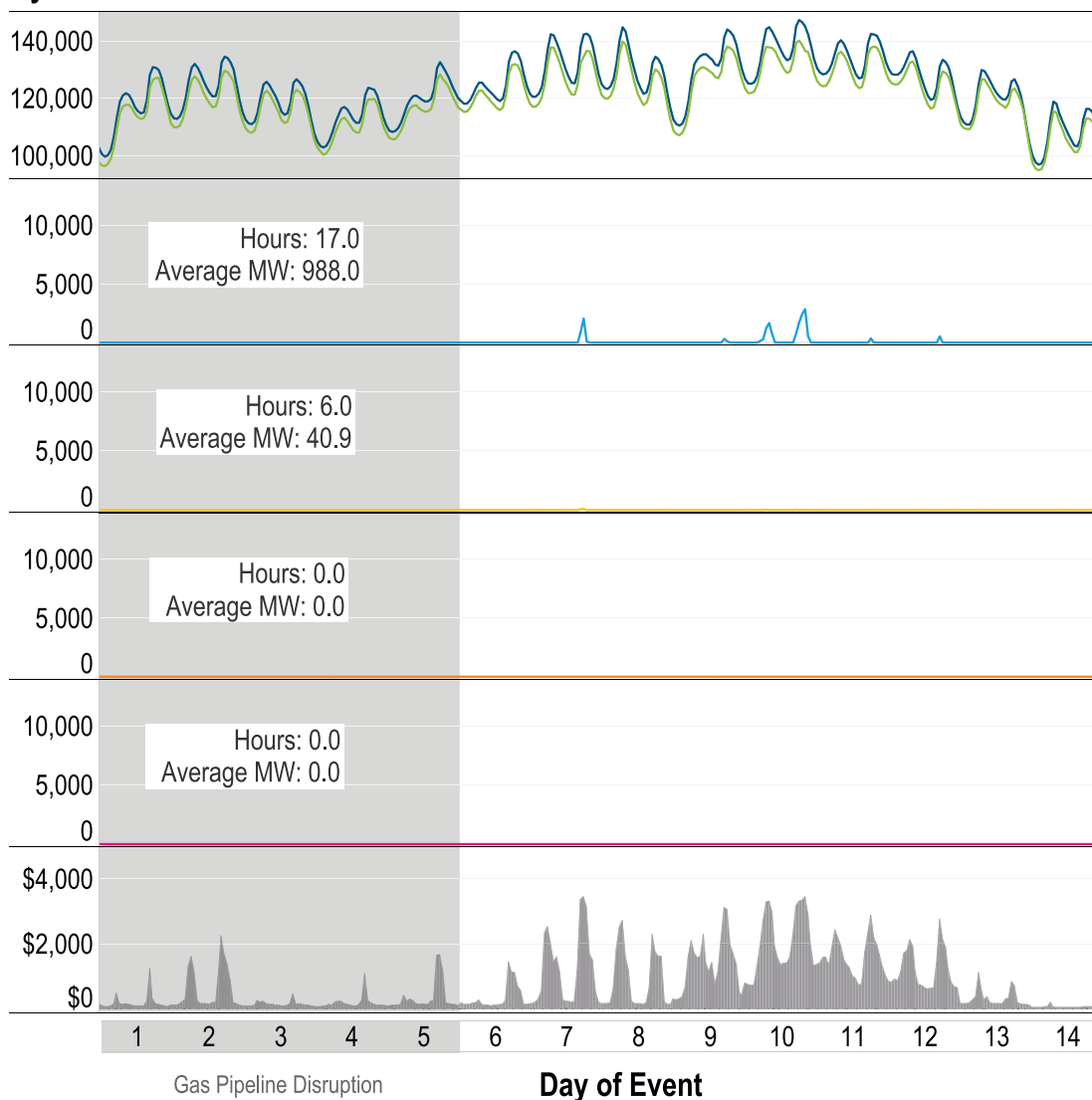
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



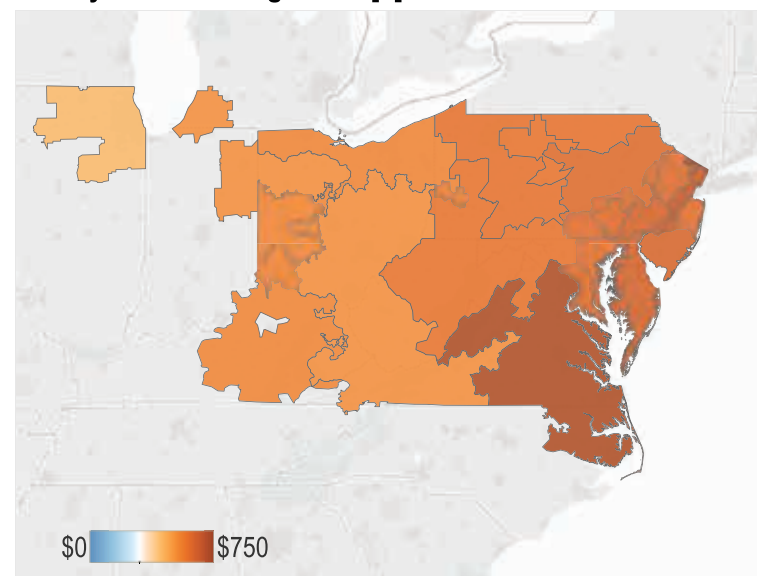
Legend



## Scenario: 104

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.30M

0	0	0	0	0	0	0	0	1	5	8	8	12	10	10
---	---	---	---	---	---	---	---	---	---	---	---	----	----	----

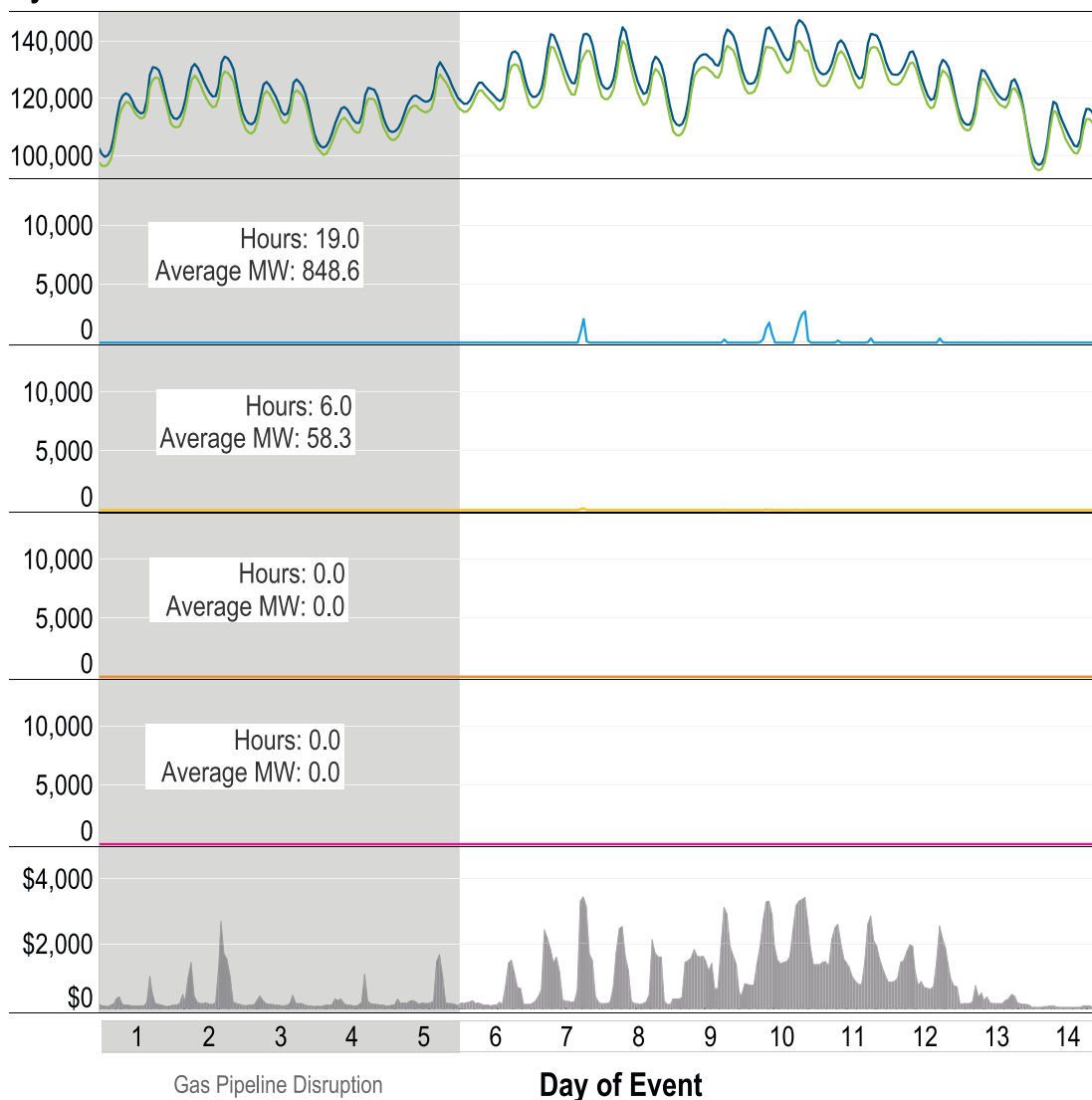
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



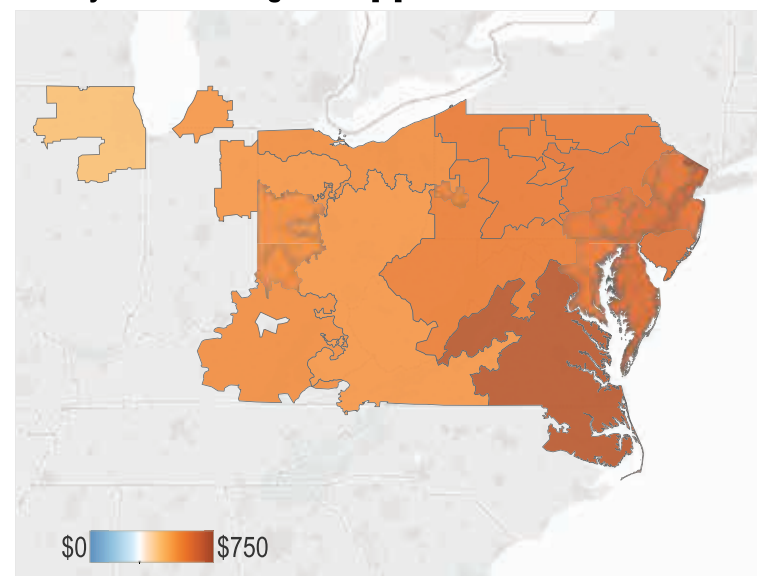
Legend



## Scenario: 105

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.19M

0	0	0	0	0	0	0	0	1	4	10	10	11	10	10
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

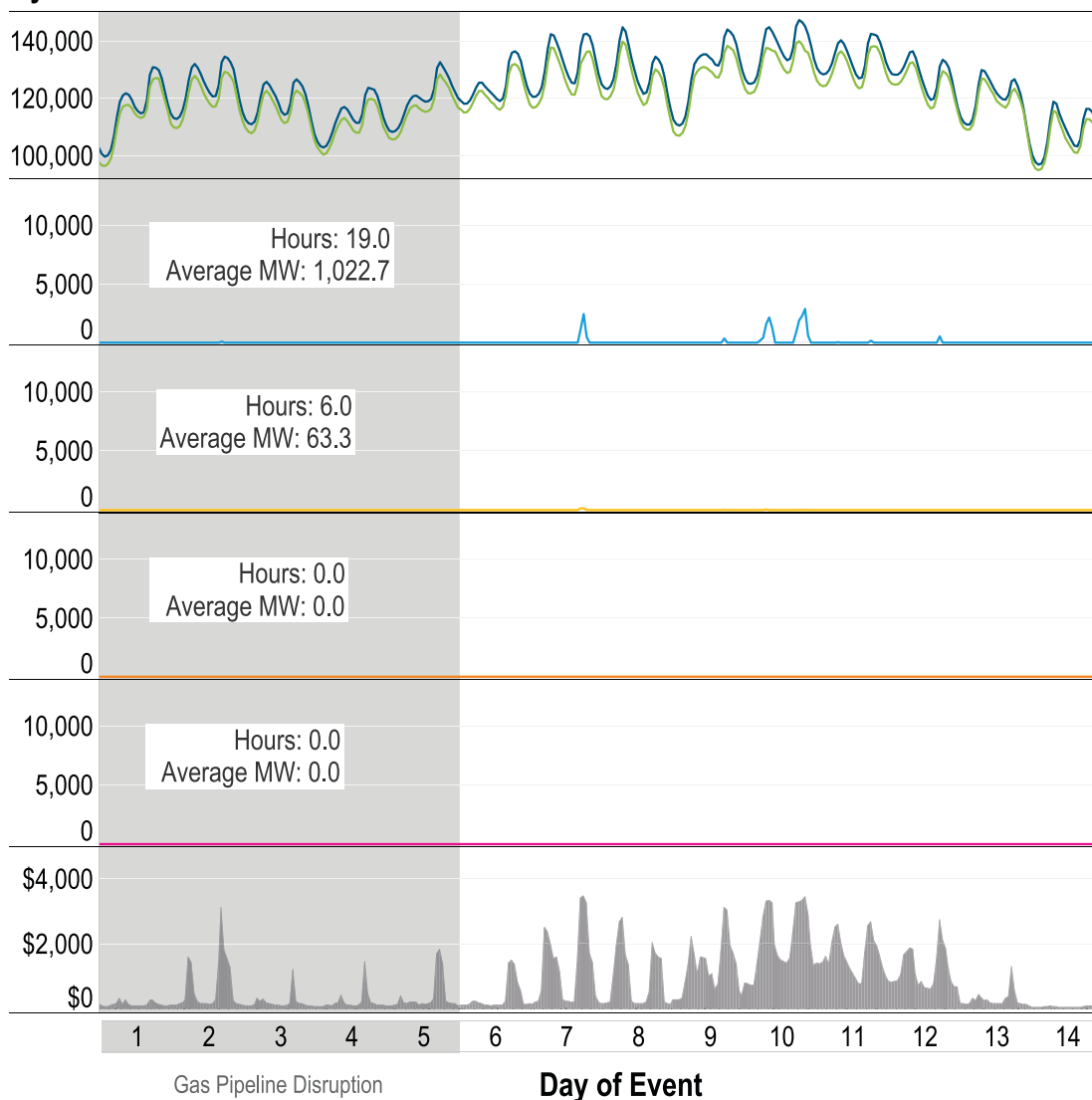
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



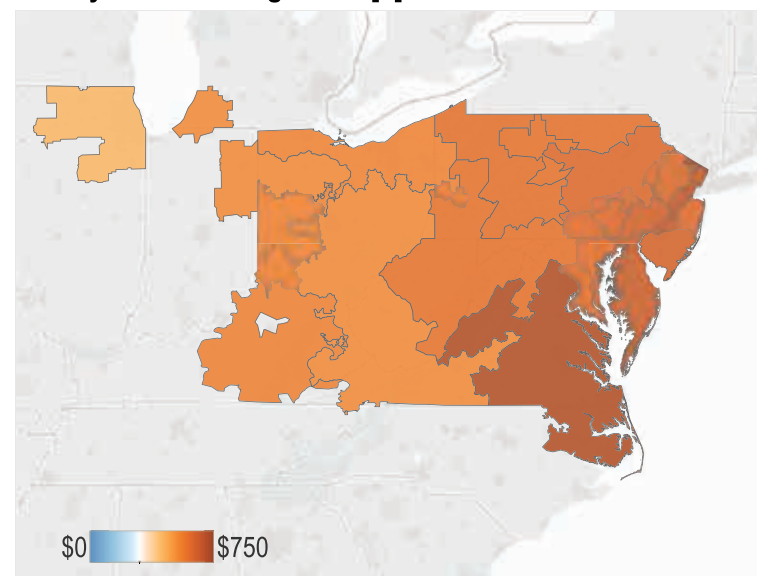
Legend



## Scenario: 106

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.28M

0	0	0	0	0	0	0	0	3	5	10	13	15	13	13
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

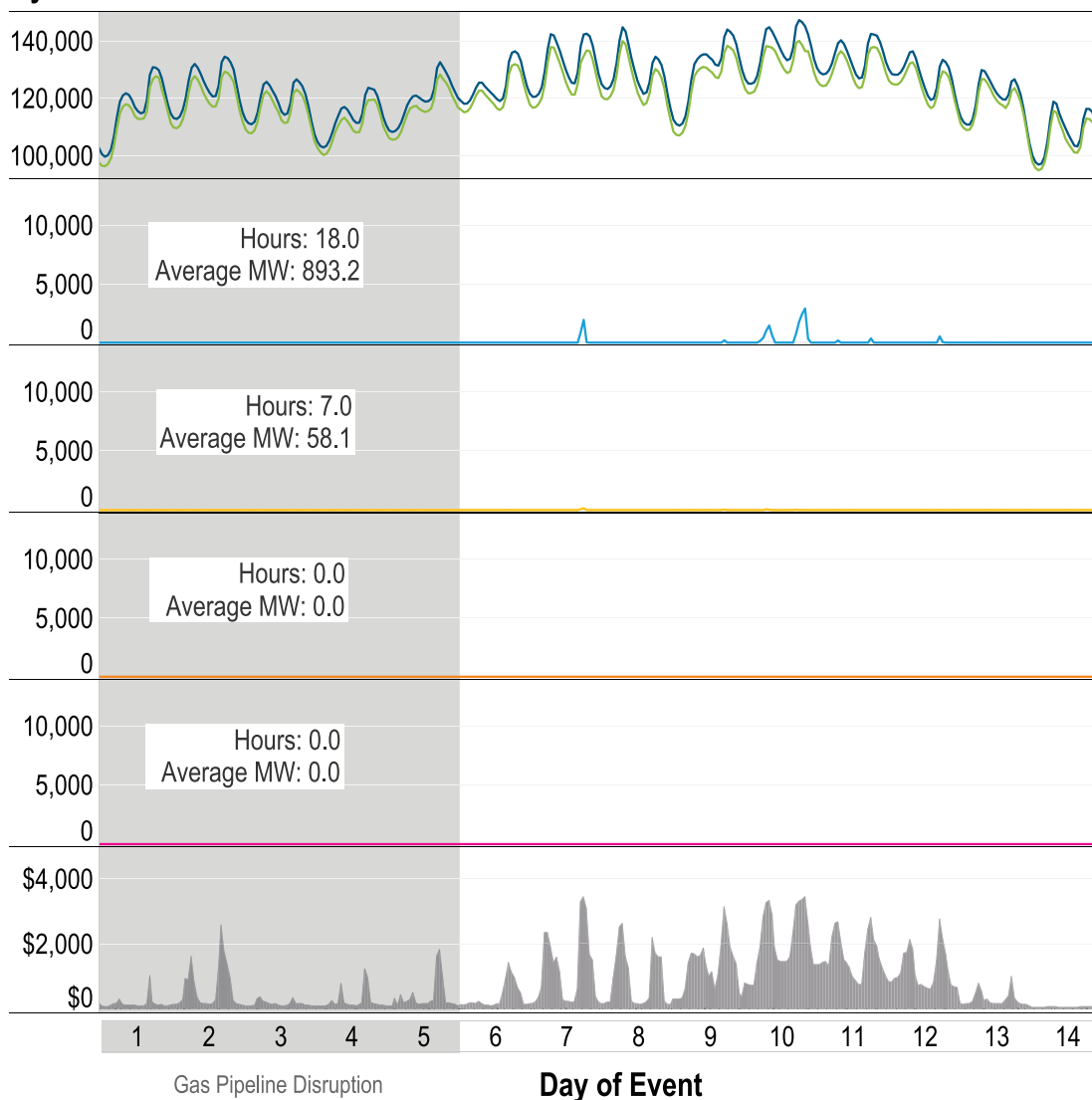
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

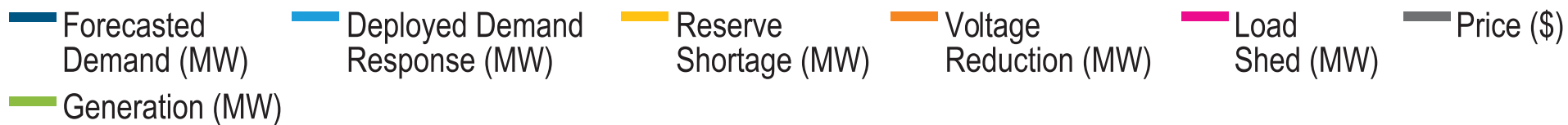
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



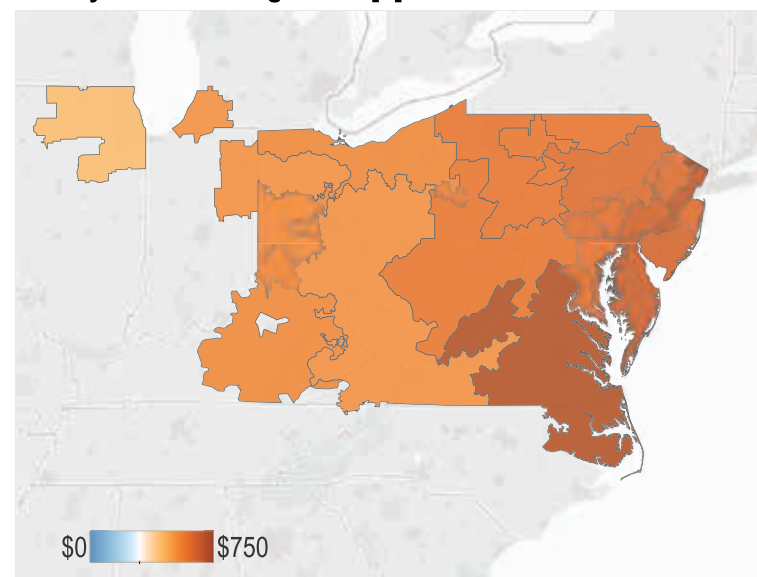
Legend



## Scenario: 107

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.22M

0	0	0	0	0	0	0	0	1	6	10	10	12	11	11
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

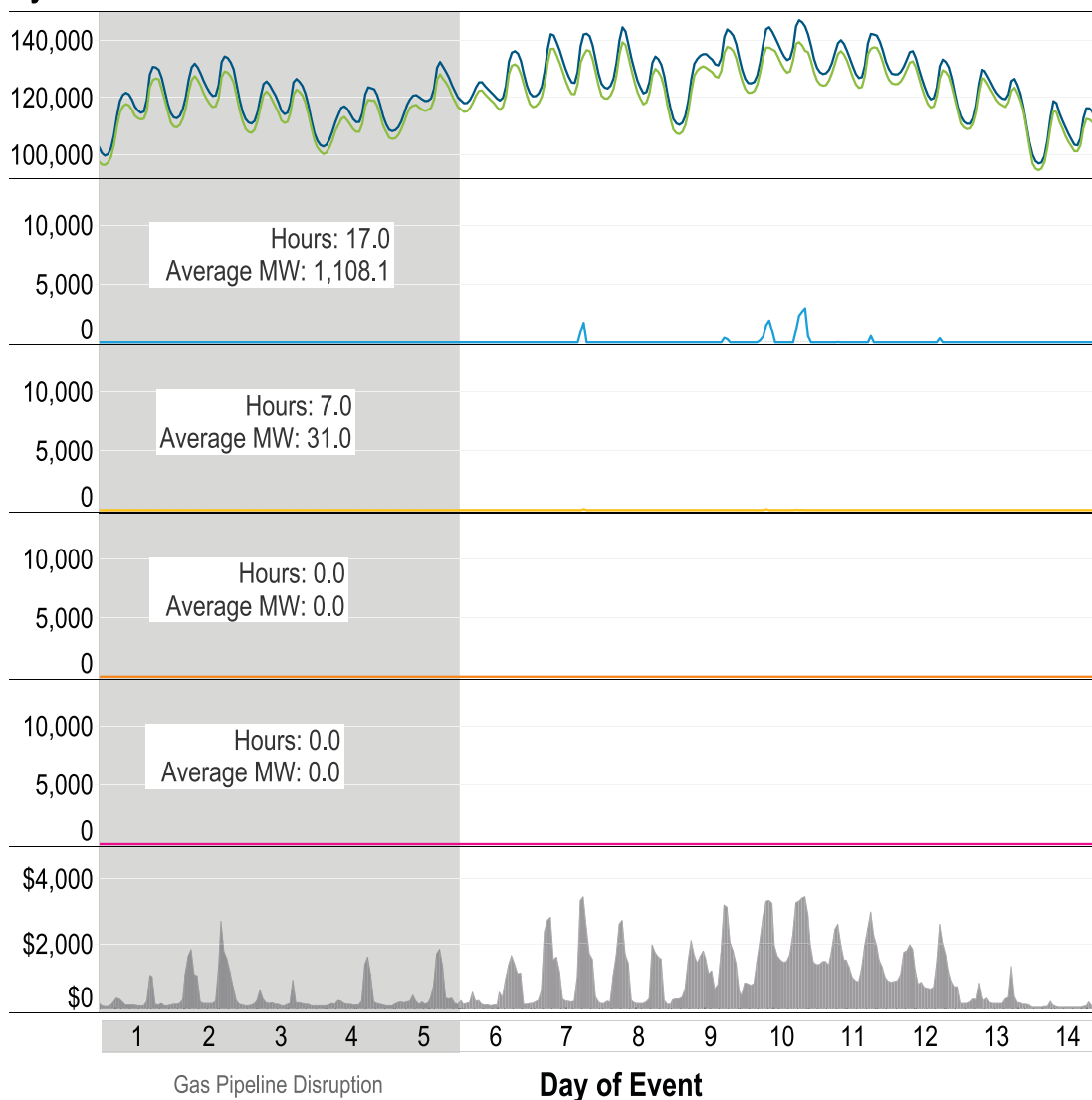
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

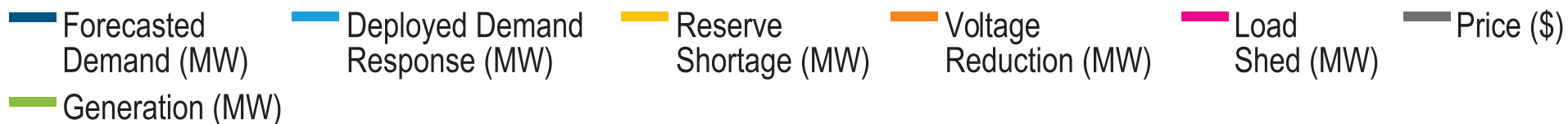
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



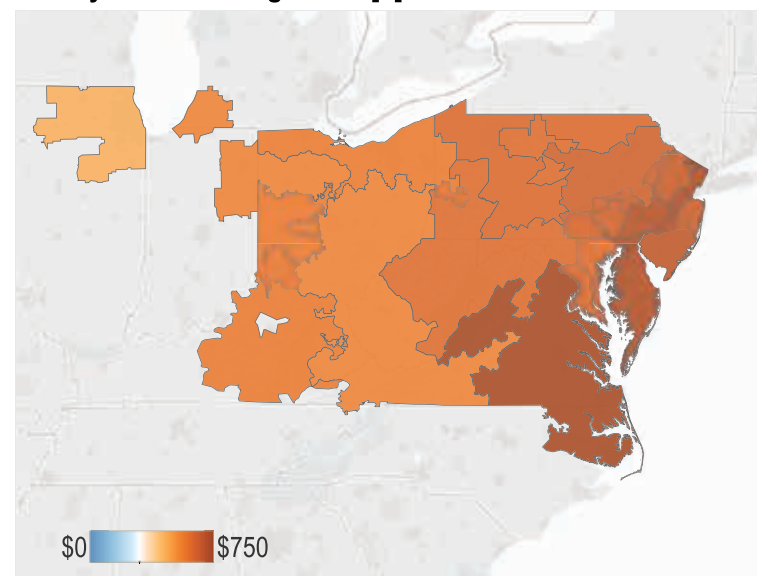
Legend



## Scenario: 108

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Announced
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.32M

0	0	0	0	0	0	0	0	3	6	9	13	16	14	14
---	---	---	---	---	---	---	---	---	---	---	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

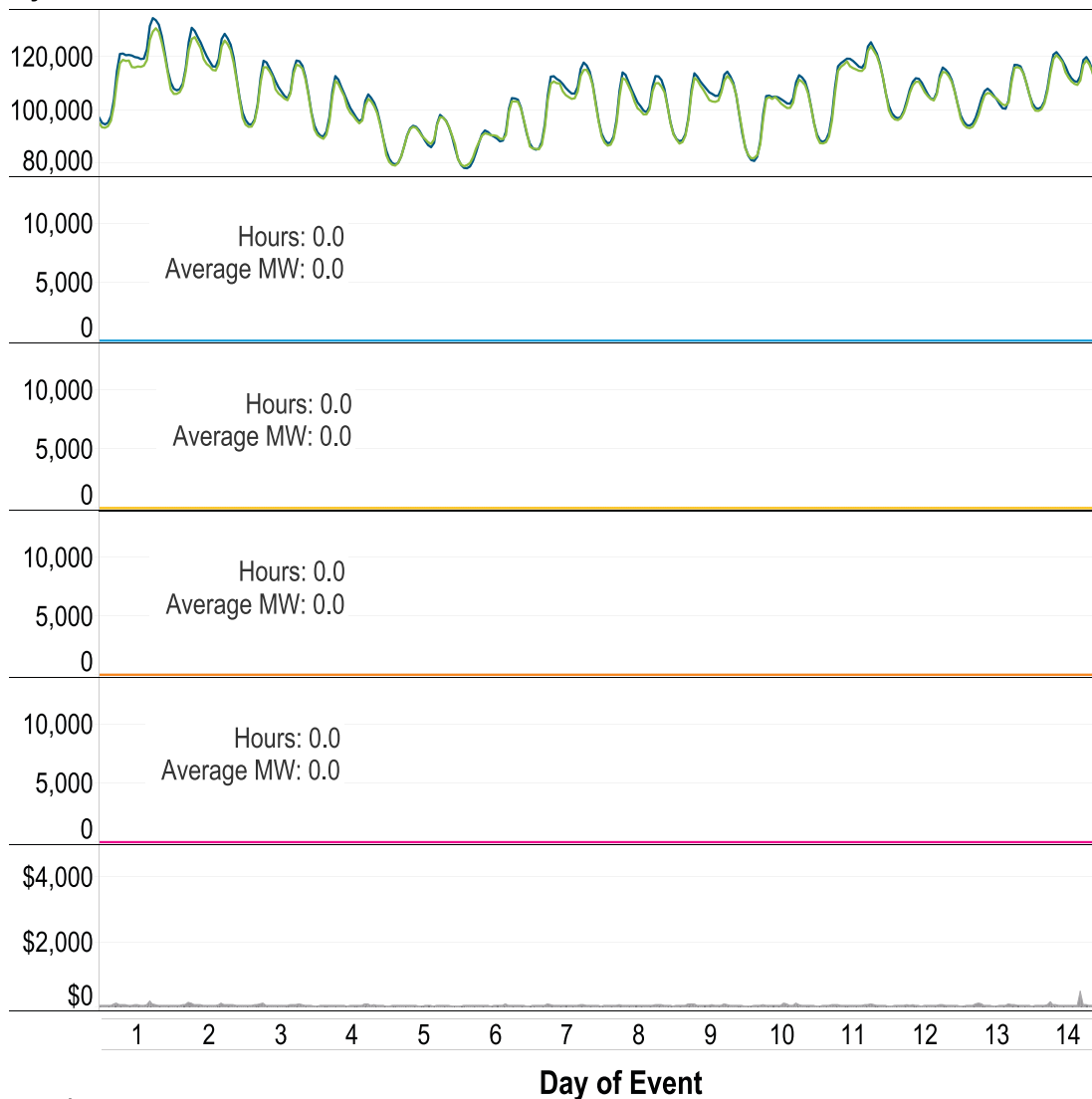
\*141 Total Sites

Day of Event

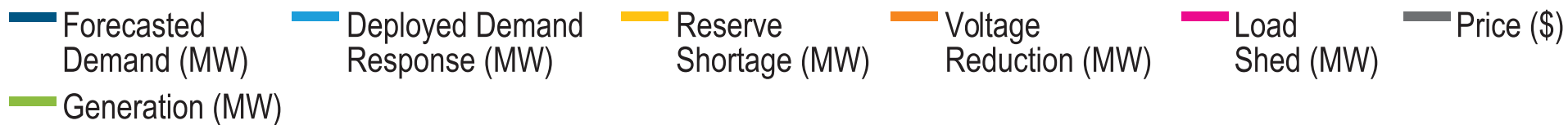
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



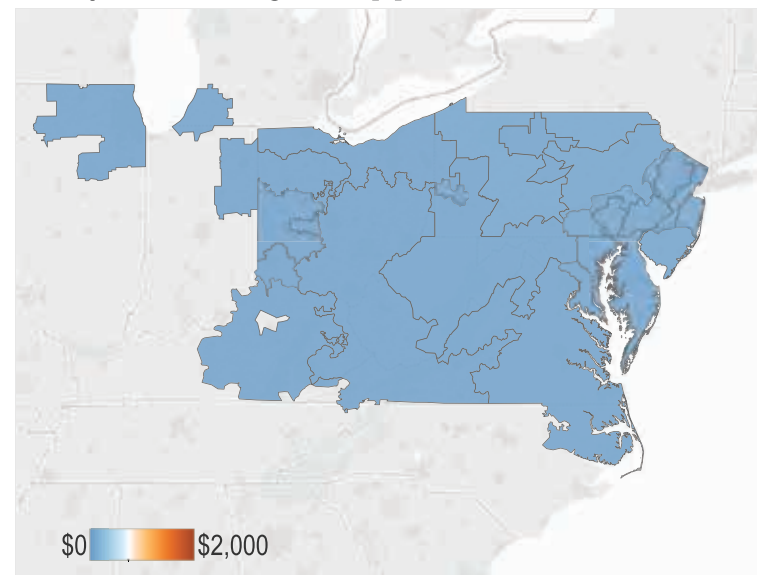
Legend



## Scenario: 109

Load:	Typical
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.57M



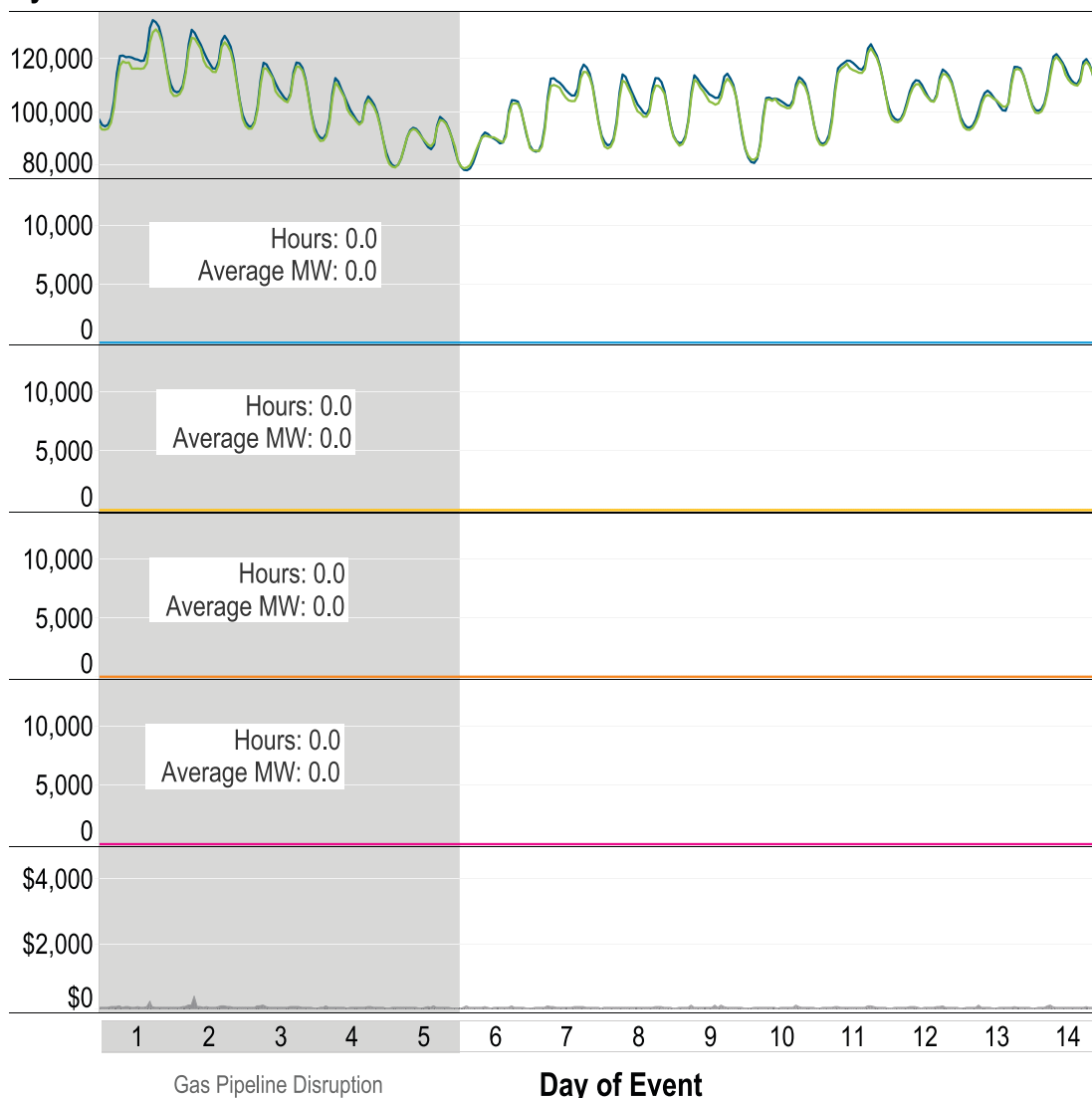
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



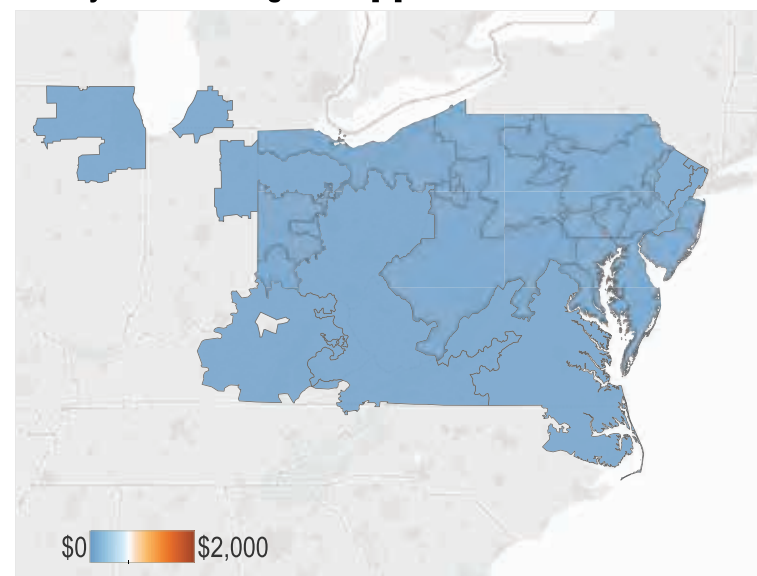
Legend



## Scenario: 110

Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.58M

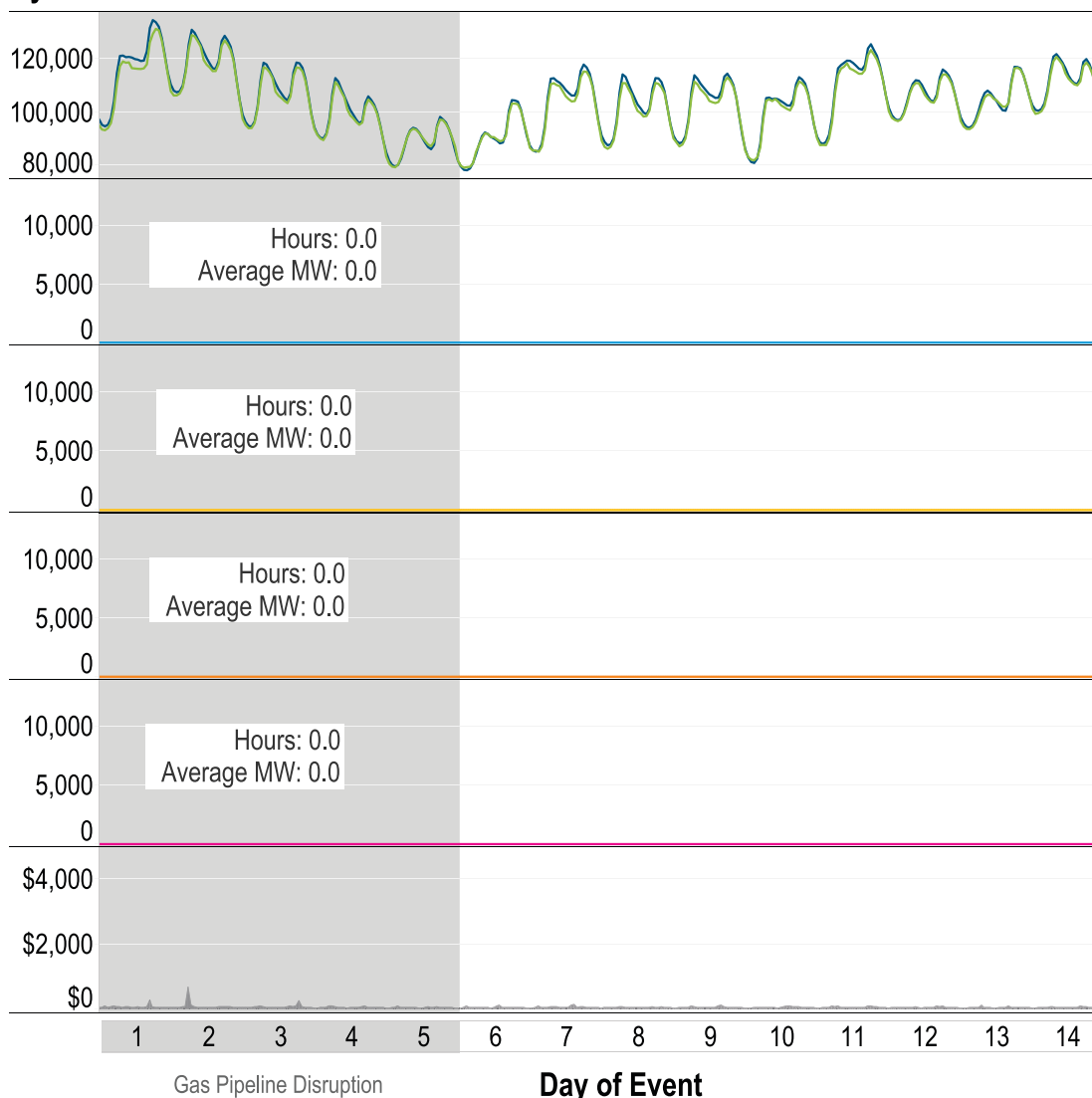


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



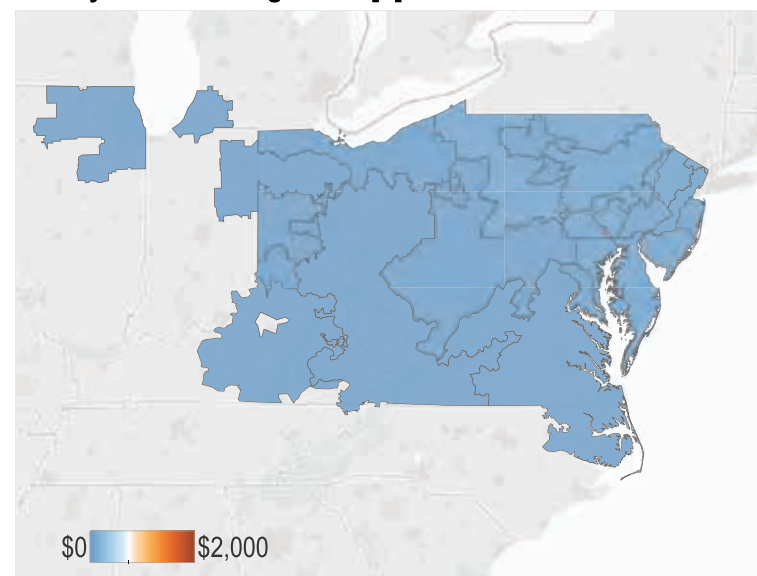
Legend



## Scenario: 111

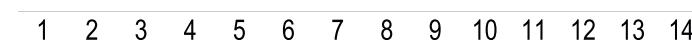
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.60M

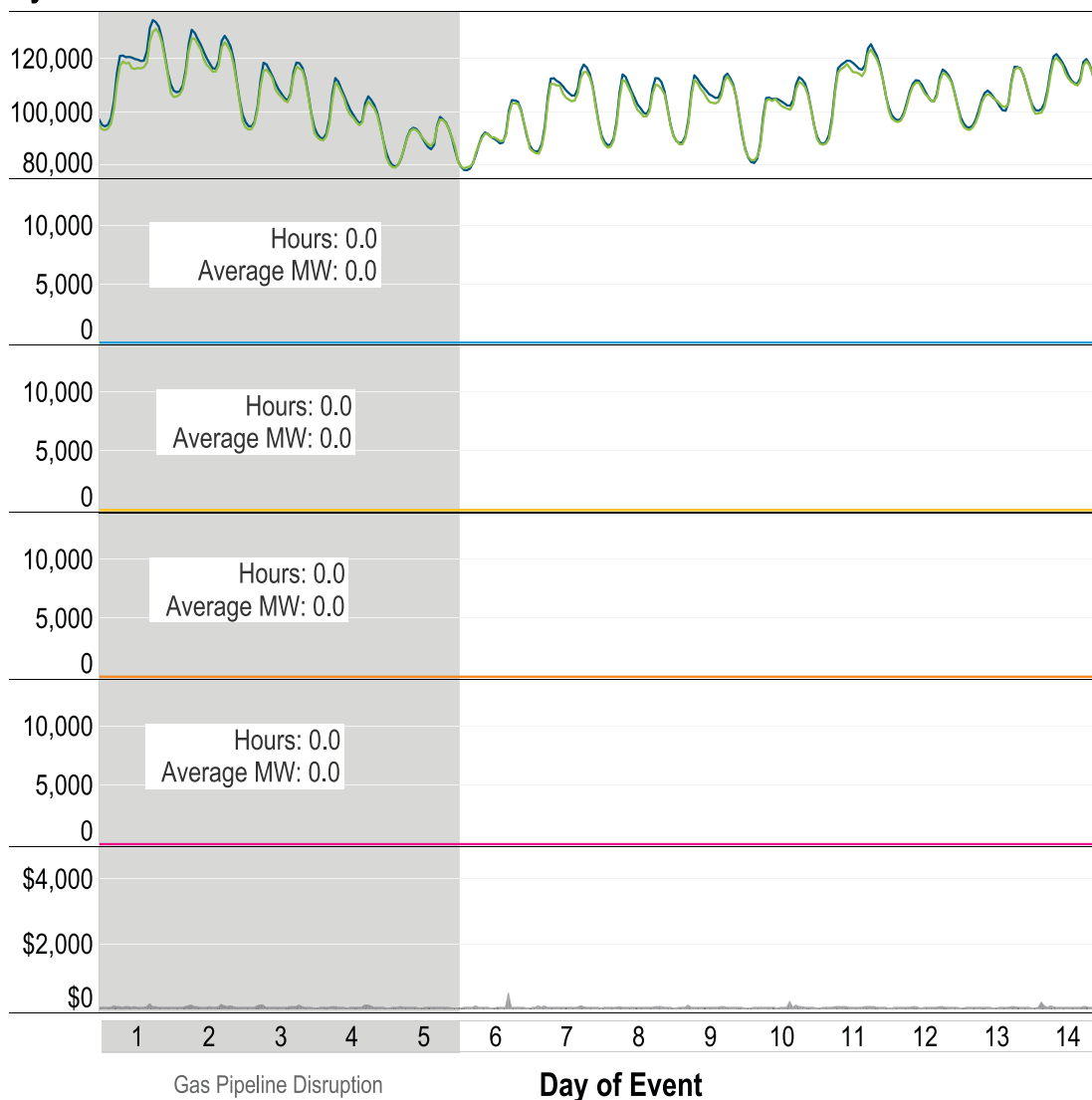


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



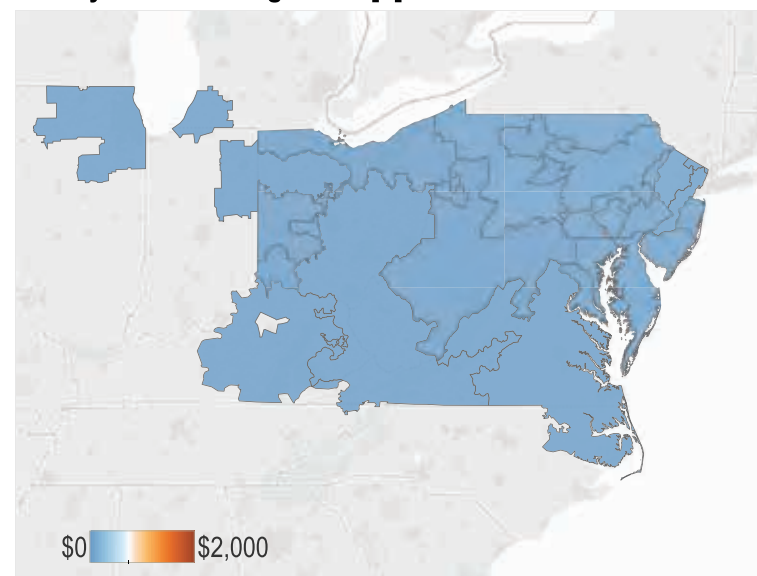
Legend



## Scenario: 112

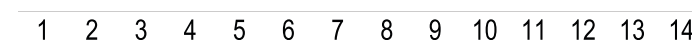
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.57M

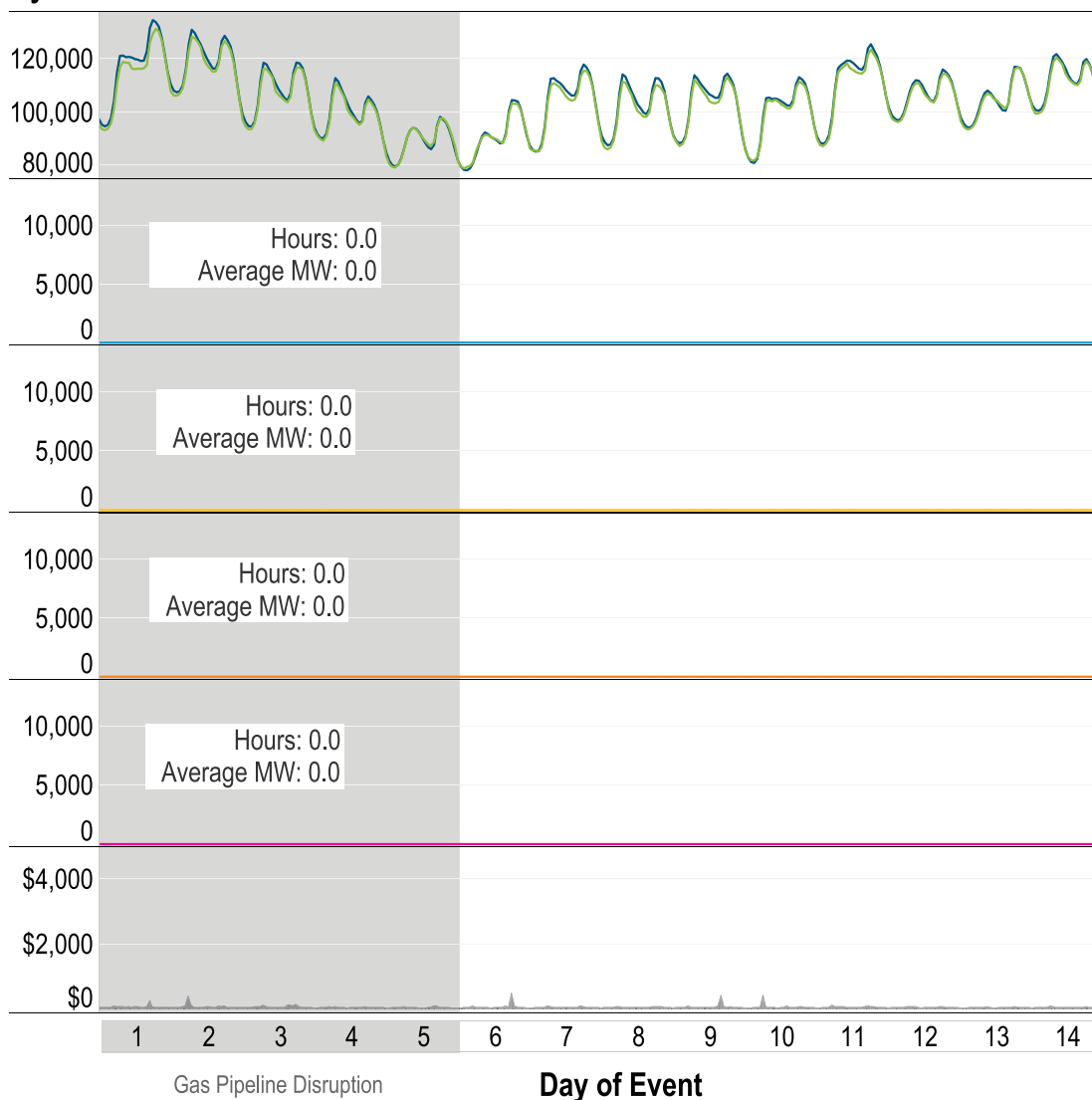


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



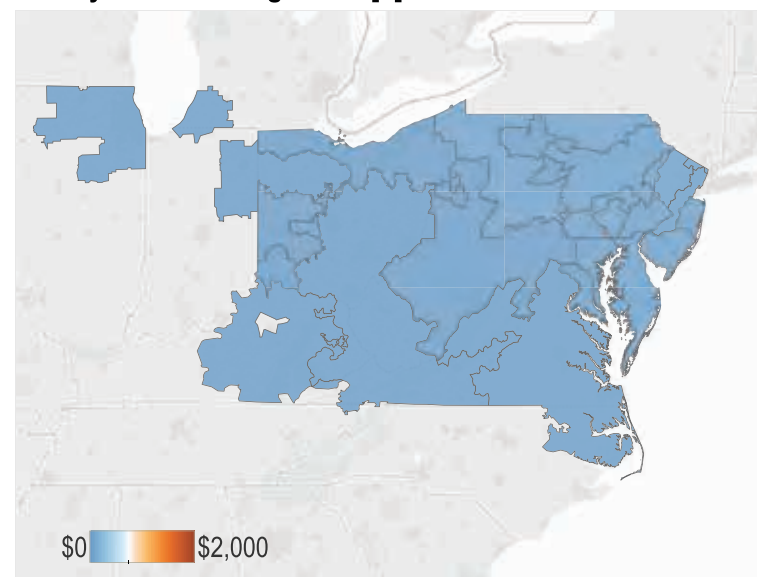
Legend



## Scenario: 113

Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.61M



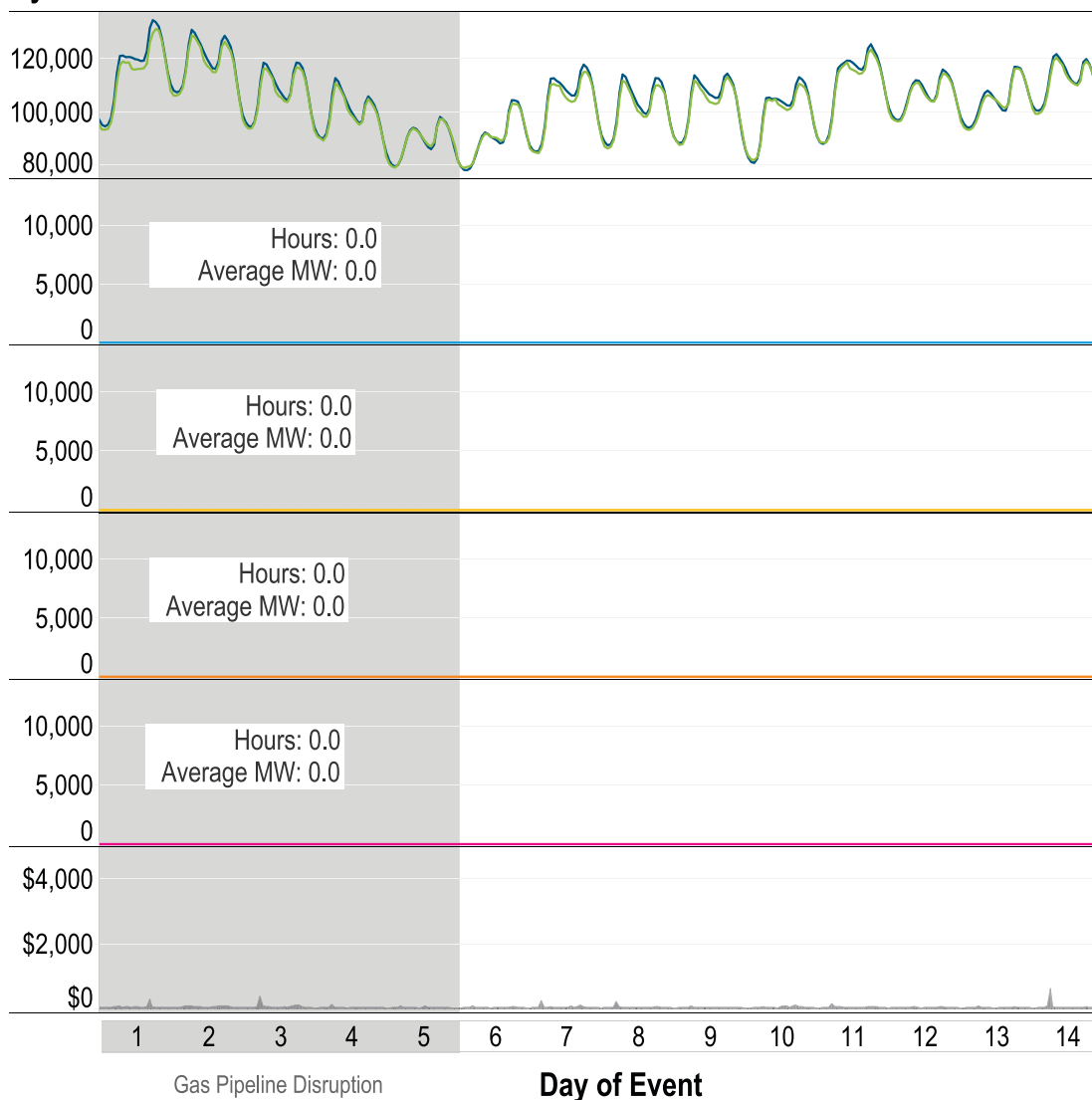
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



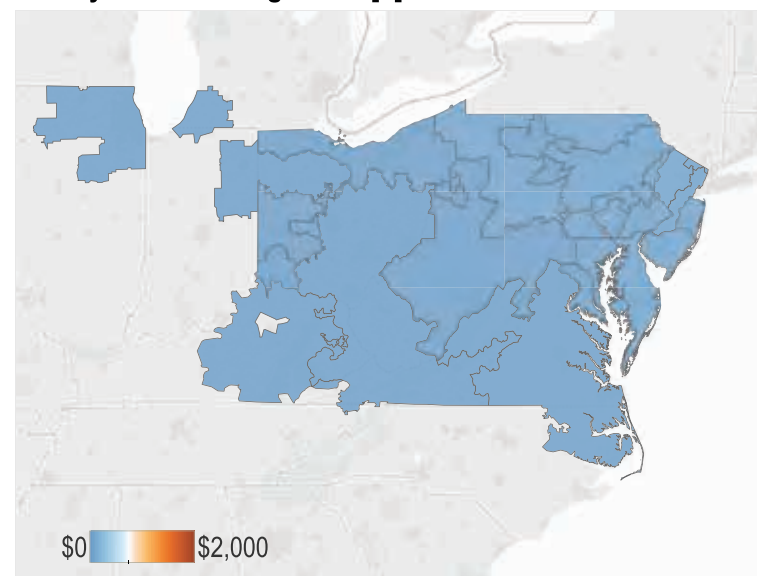
Legend



## Scenario: 114

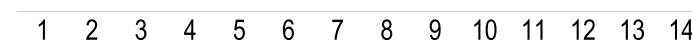
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.56M

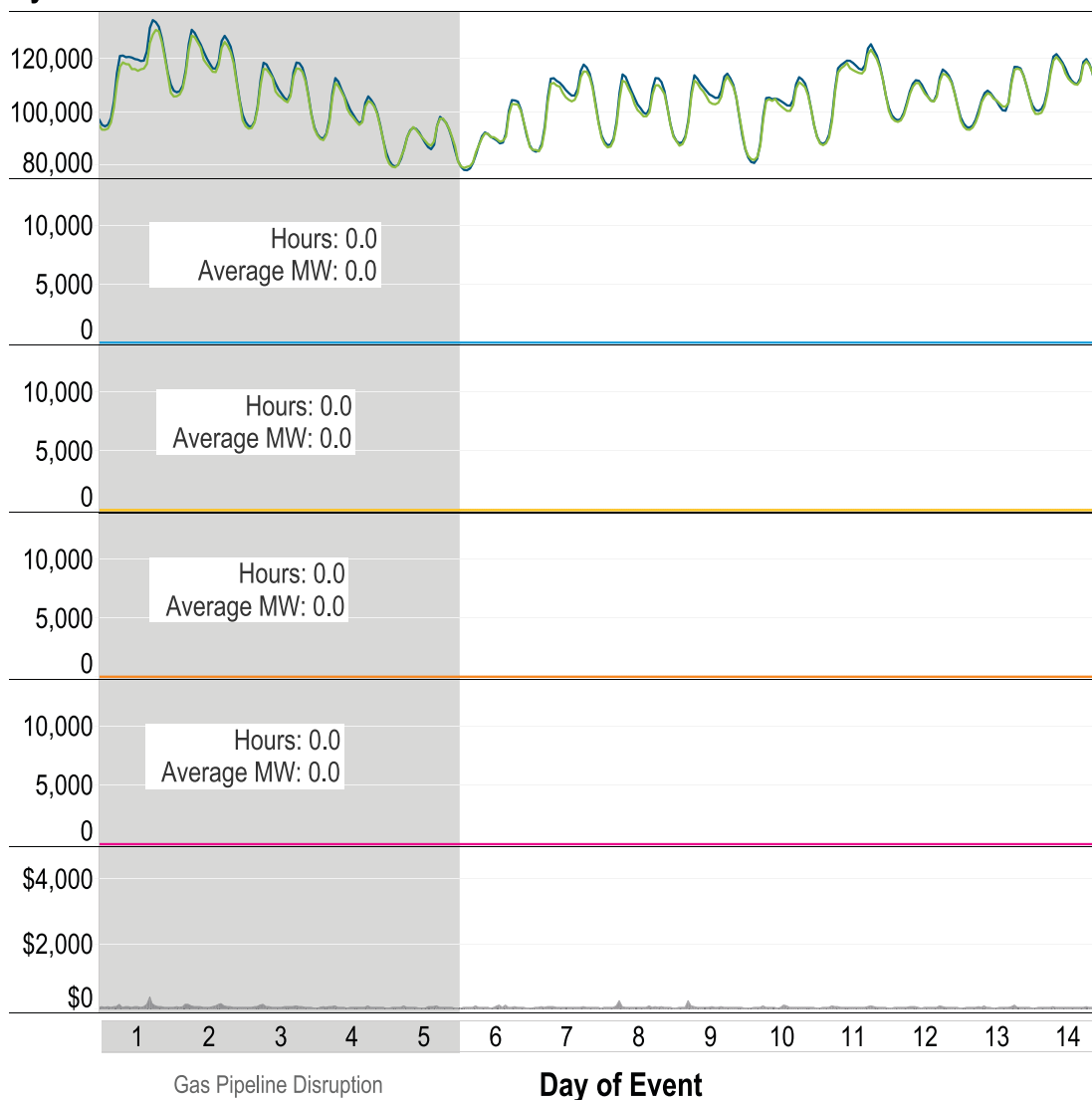


\*141 Total Sites

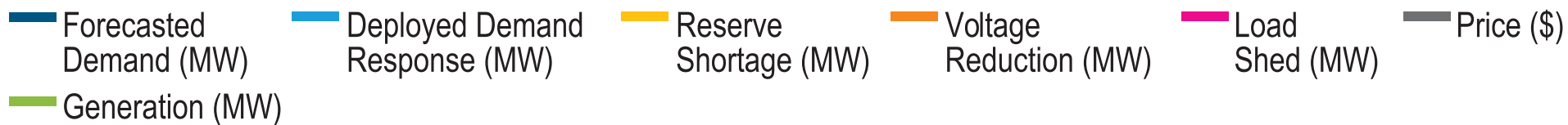
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



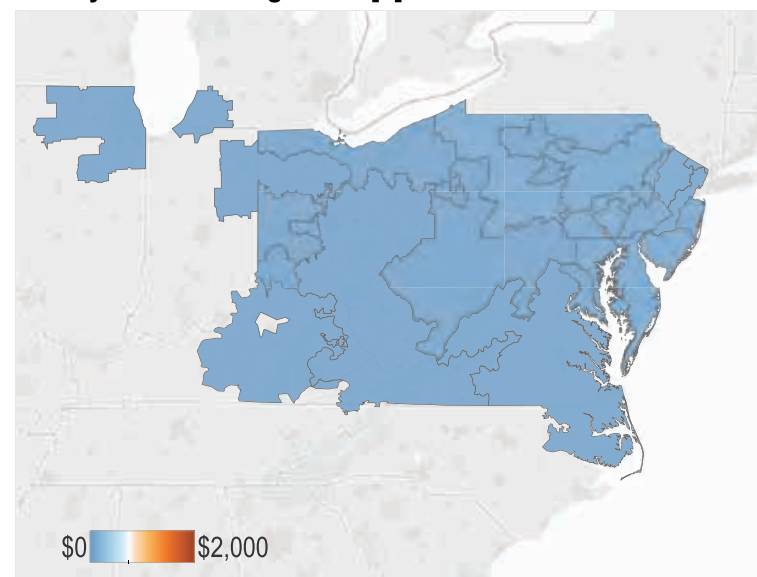
Legend



## Scenario: 115

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.62M



1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

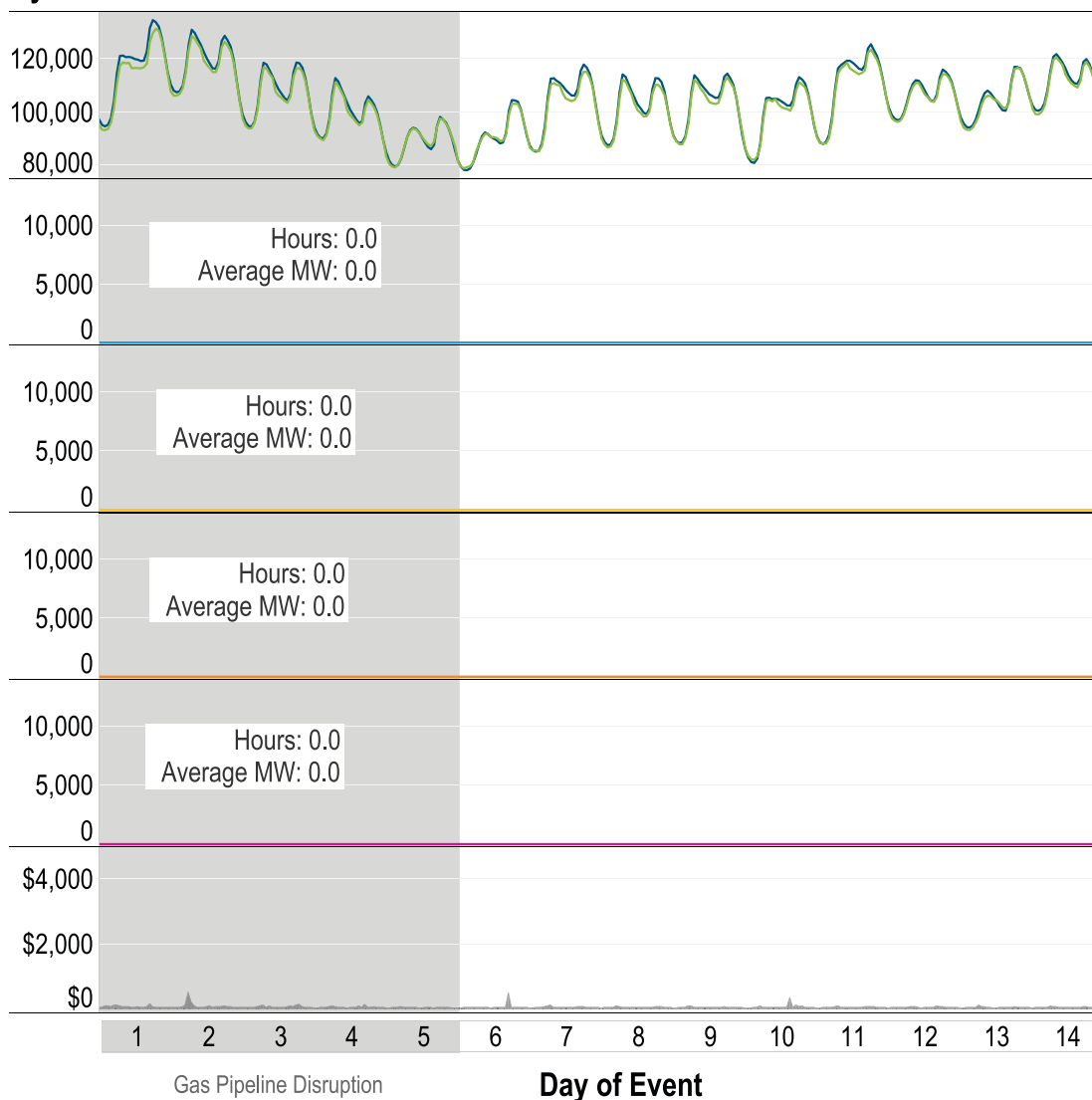
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



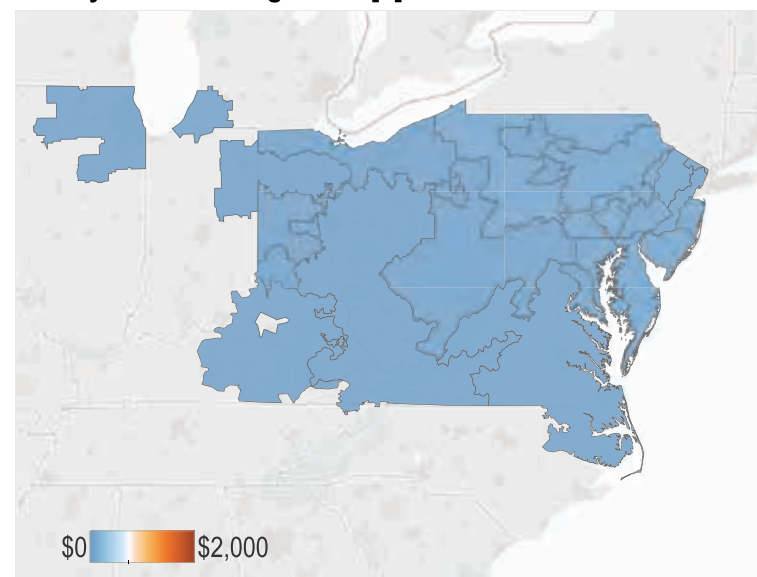
Legend



## Scenario: 116

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.59M



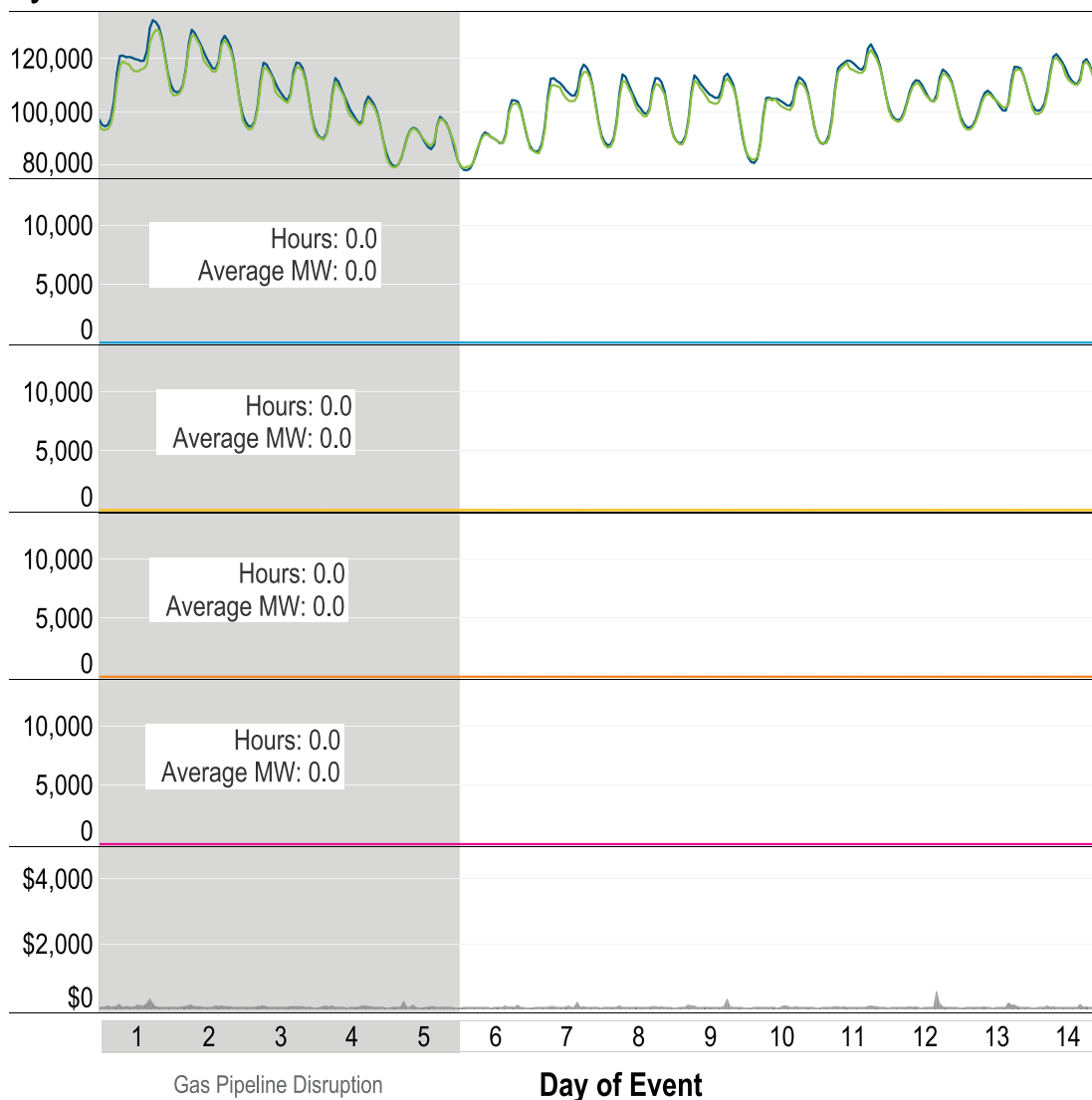
0 0 0 0 0 0 0 0 0 0 0 0 0 0

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



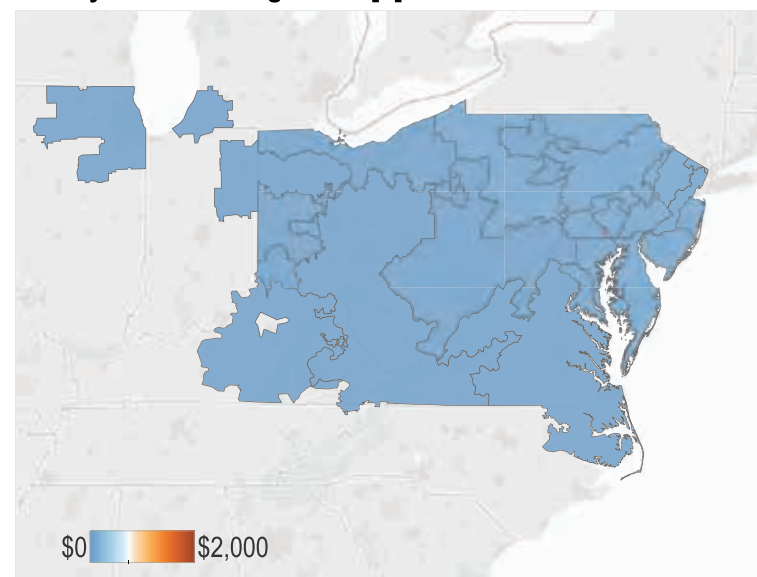
Legend



## Scenario: 117

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.66M

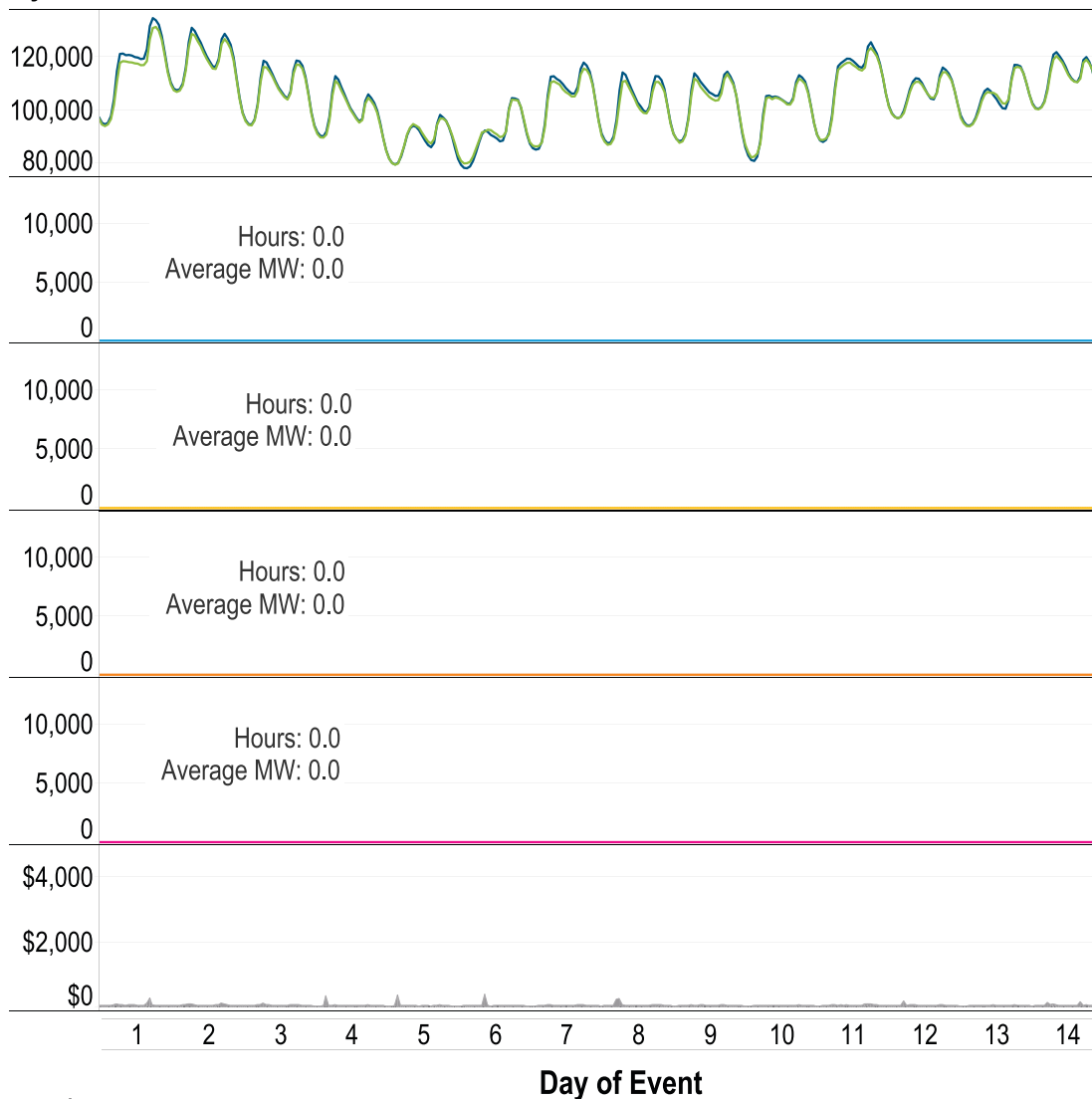


\*141 Total Sites

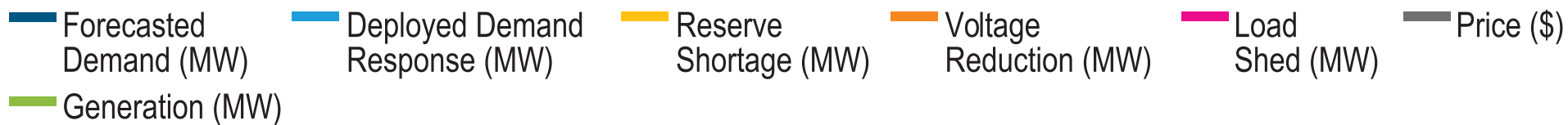
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



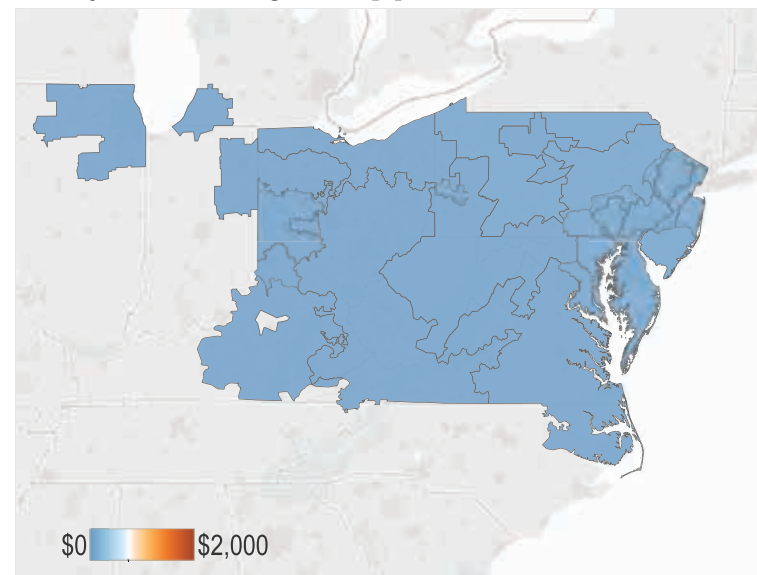
Legend



## Scenario: 118

Load:	Typical
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

1	1	1	2	2	3	6	12	13	13	13	12	13	13
---	---	---	---	---	---	---	----	----	----	----	----	----	----

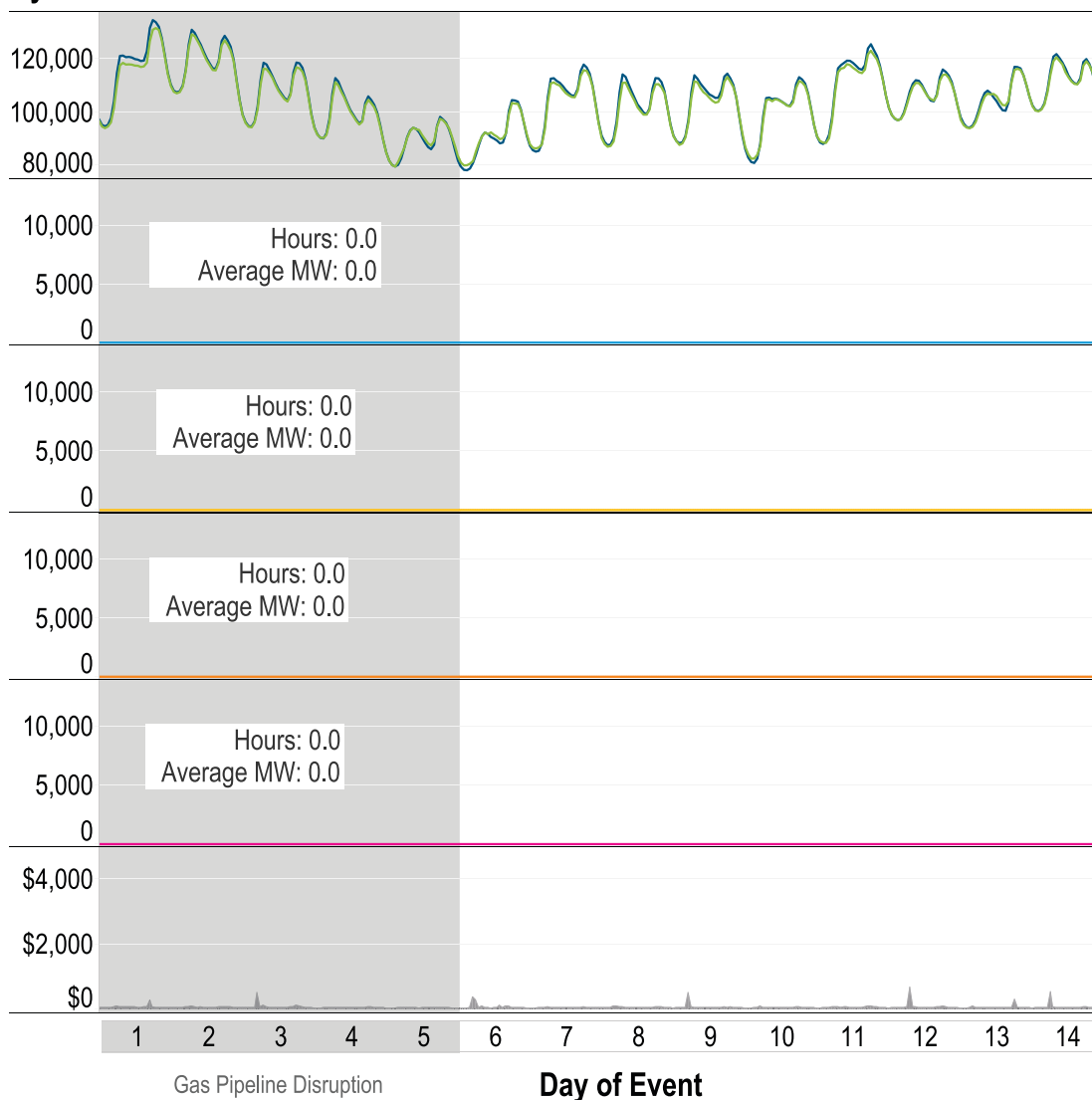
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



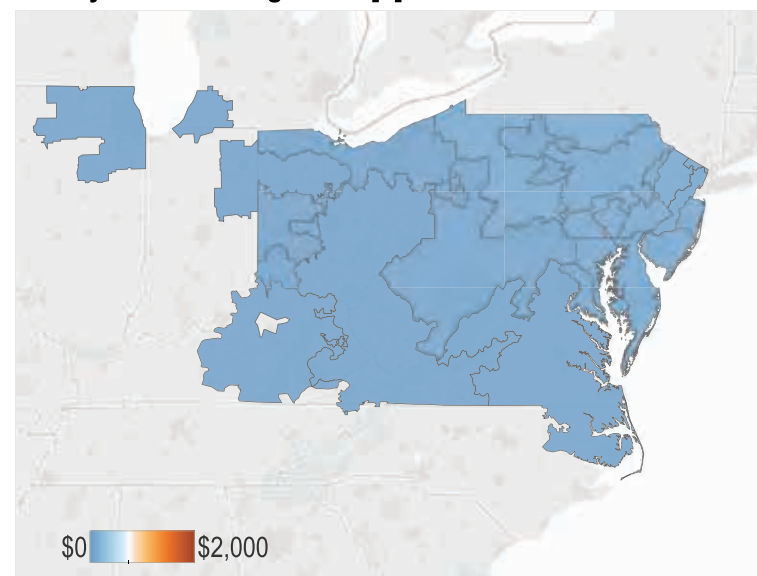
Legend



## Scenario: 119

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

1	1	1	2	2	3	6	12	13	13	13	12	13	13
---	---	---	---	---	---	---	----	----	----	----	----	----	----

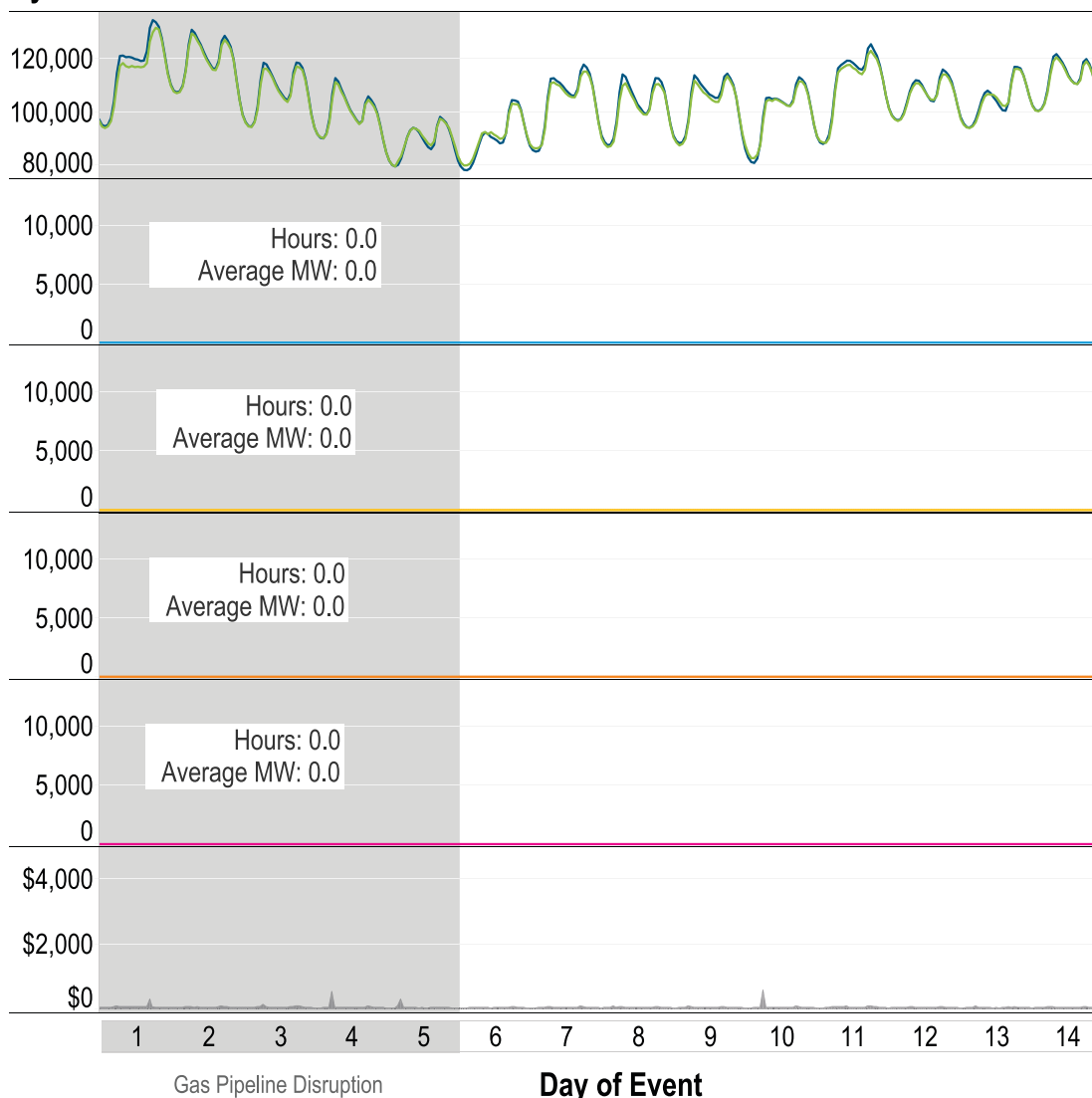
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



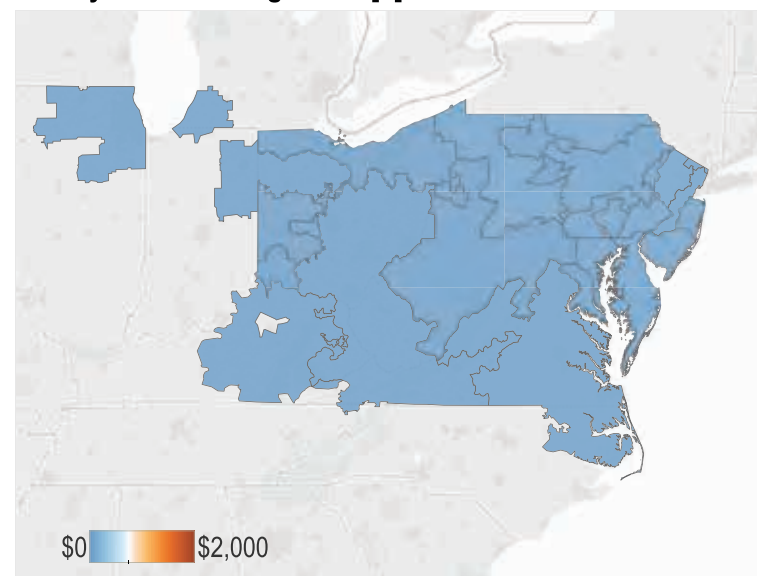
Legend



## Scenario: 120

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.68M

1	1	1	2	2	3	6	12	13	13	13	12	13	13
---	---	---	---	---	---	---	----	----	----	----	----	----	----

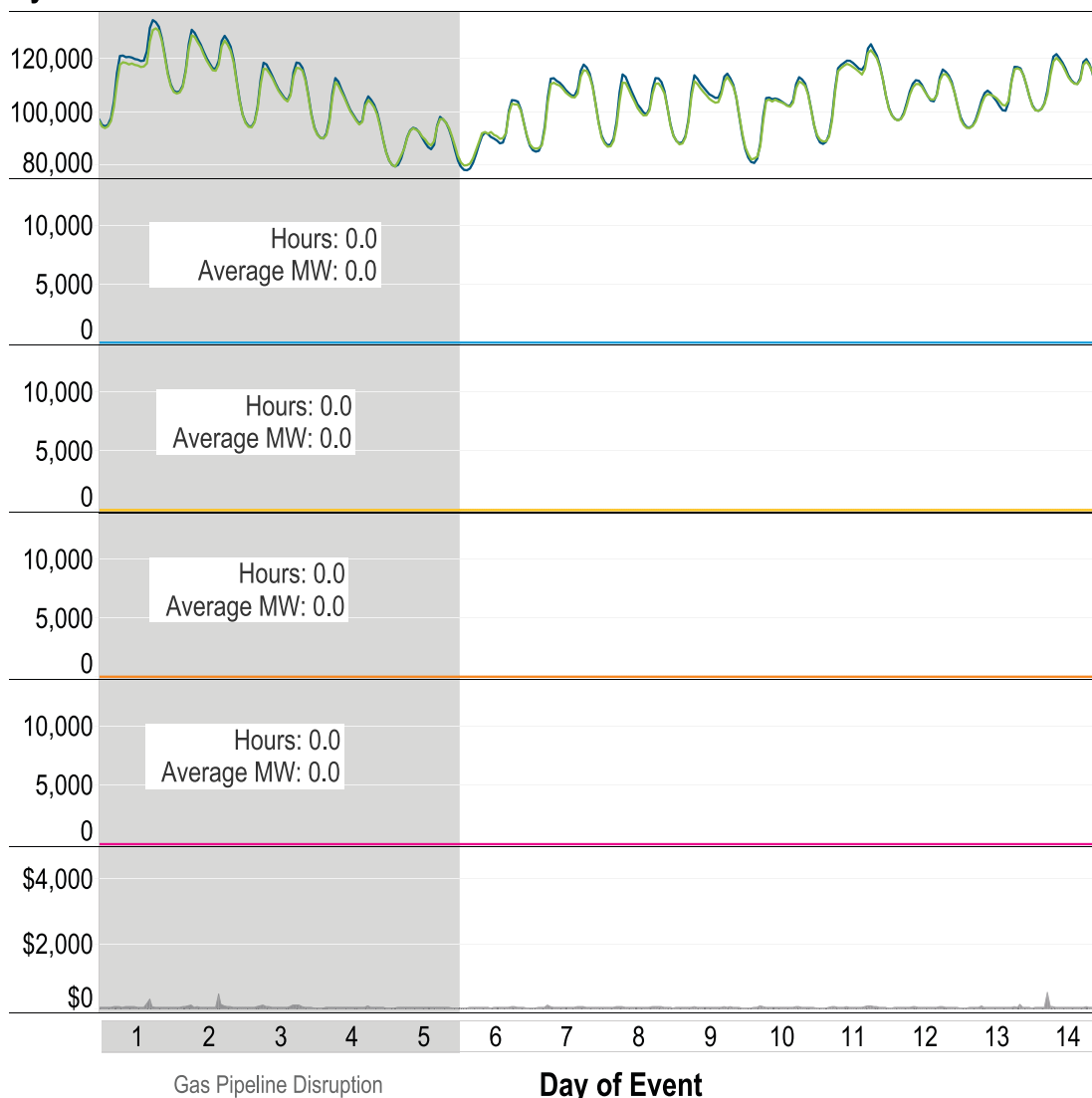
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



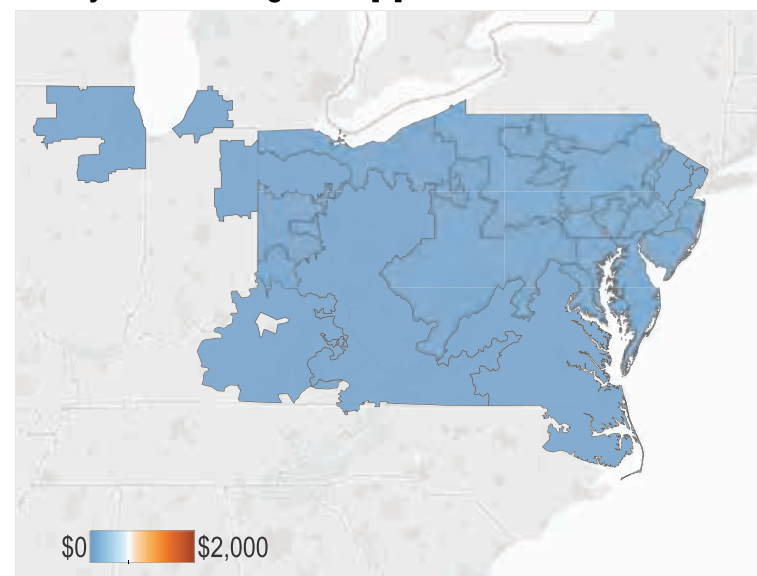
Legend



## Scenario: 121

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

1 1 1 2 2 3 6 12 13 13 13 12 13 13

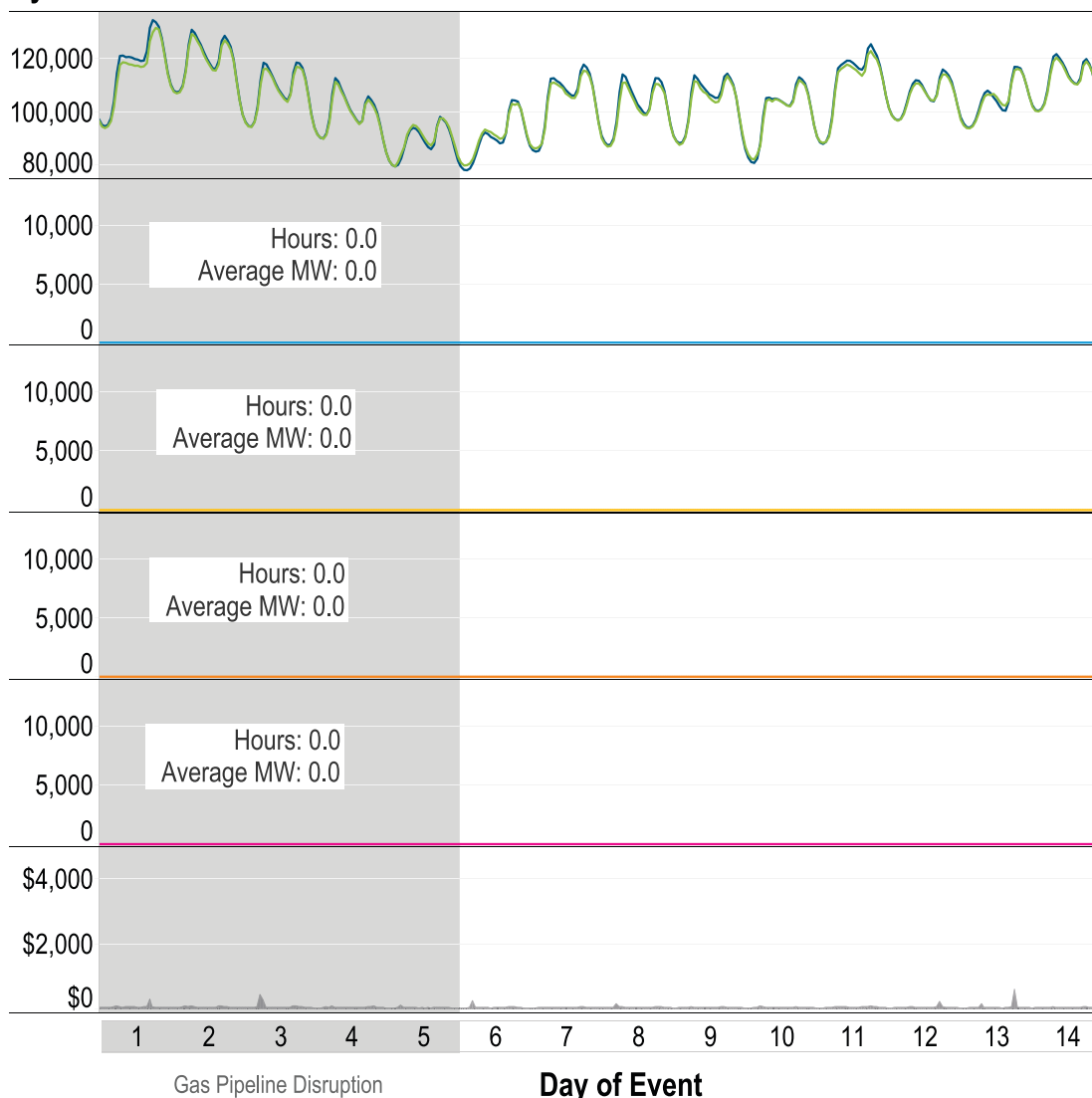
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

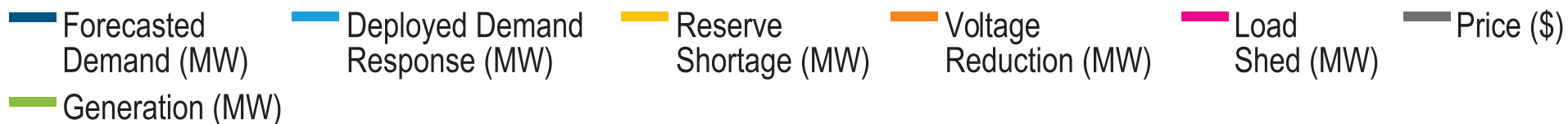
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



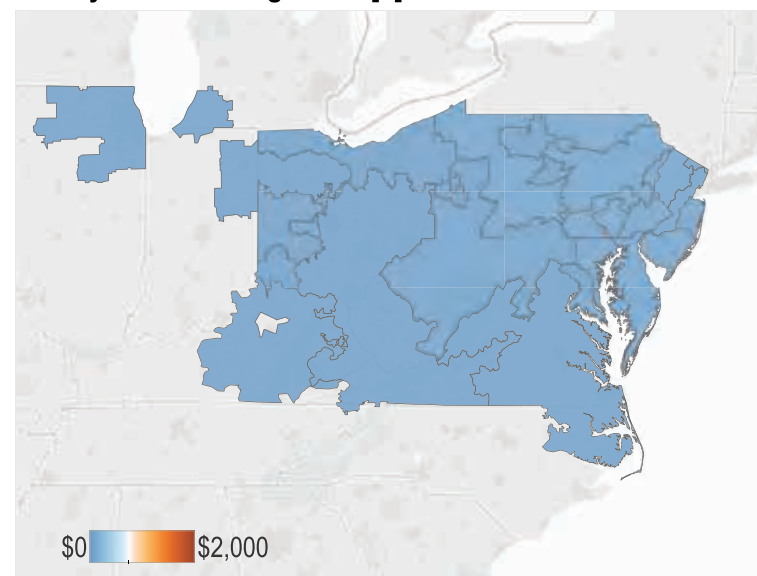
Legend



## Scenario: 122

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.69M

1 1 1 2 2 3 6 12 13 13 13 12 13 13

1 2 3 4 5 6 7 8 9 10 11 12 13 14

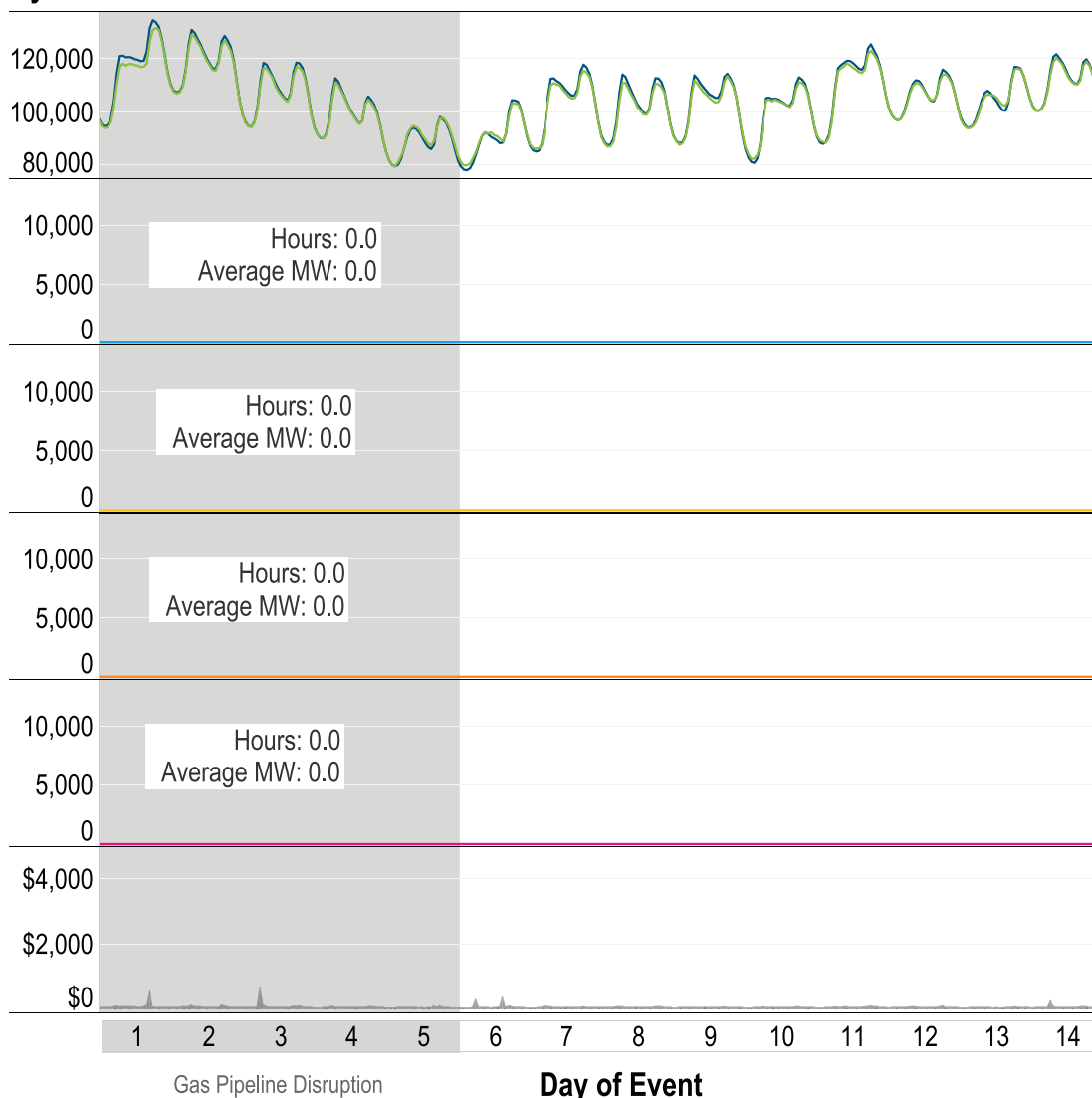
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



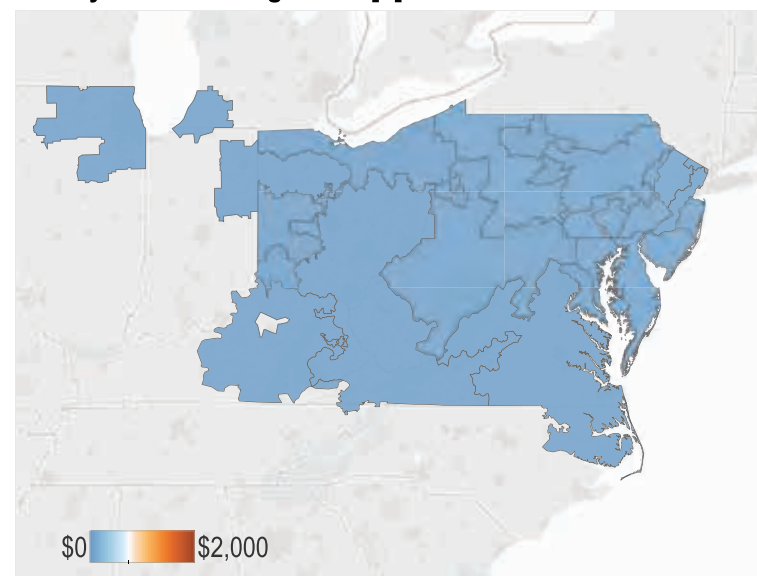
Legend



## Scenario: 123

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.68M

1 1 1 2 2 3 6 13 13 13 13 12 13 13

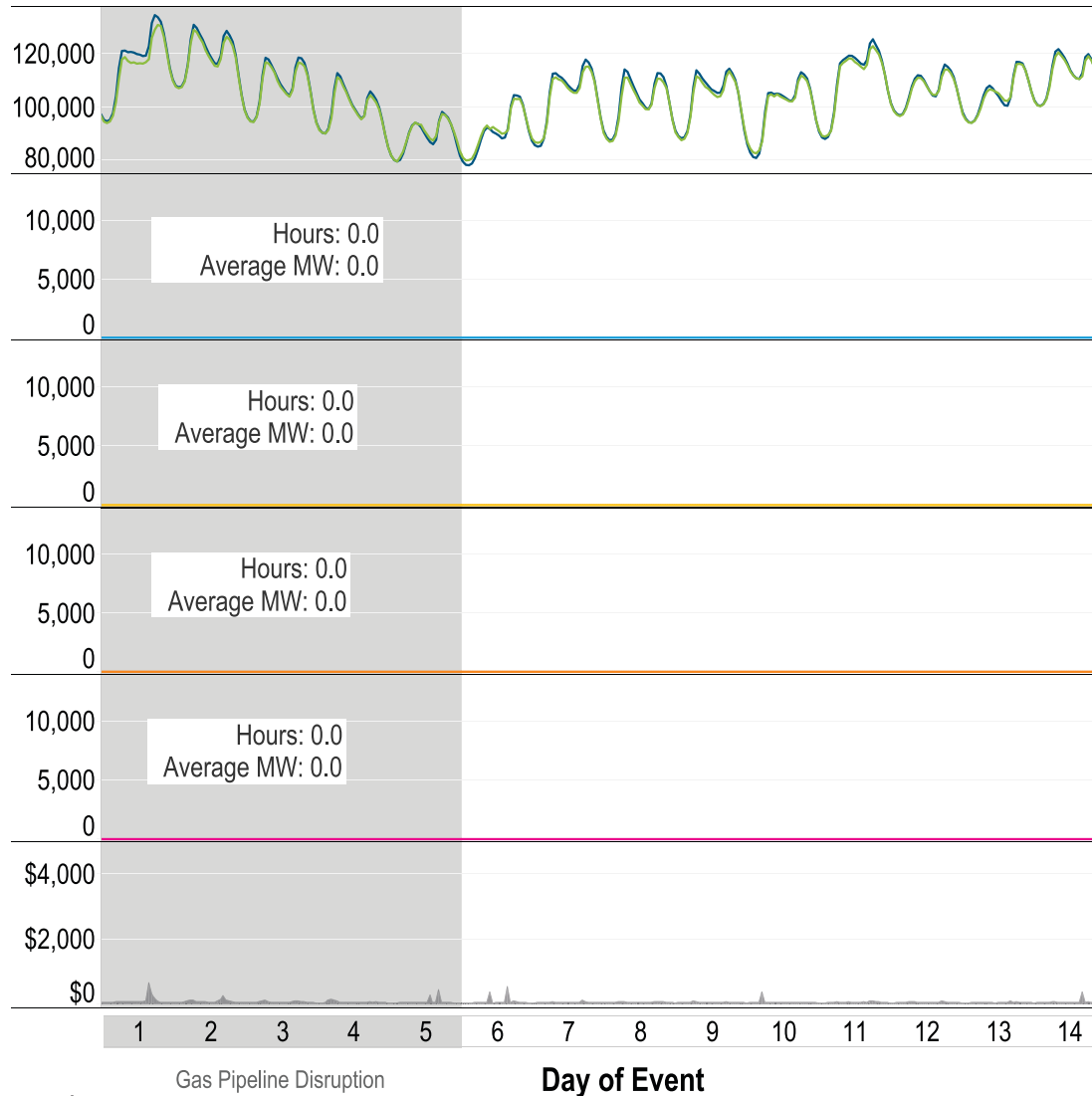
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

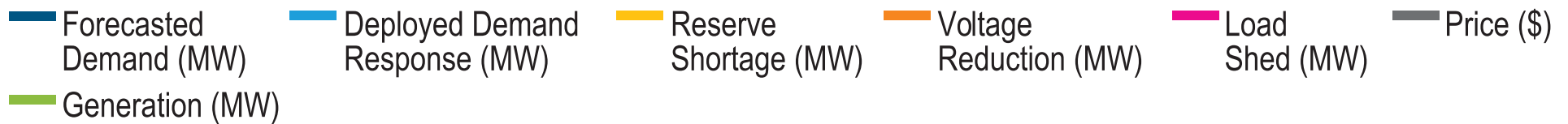
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



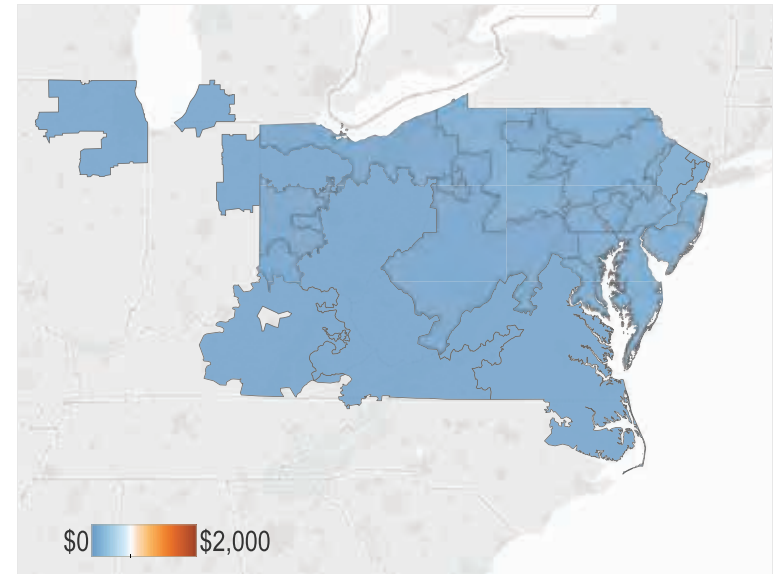
Legend



## Scenario: 124

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.71M

1 1 1 2 2 3 7 13 13 13 13 12 13 13

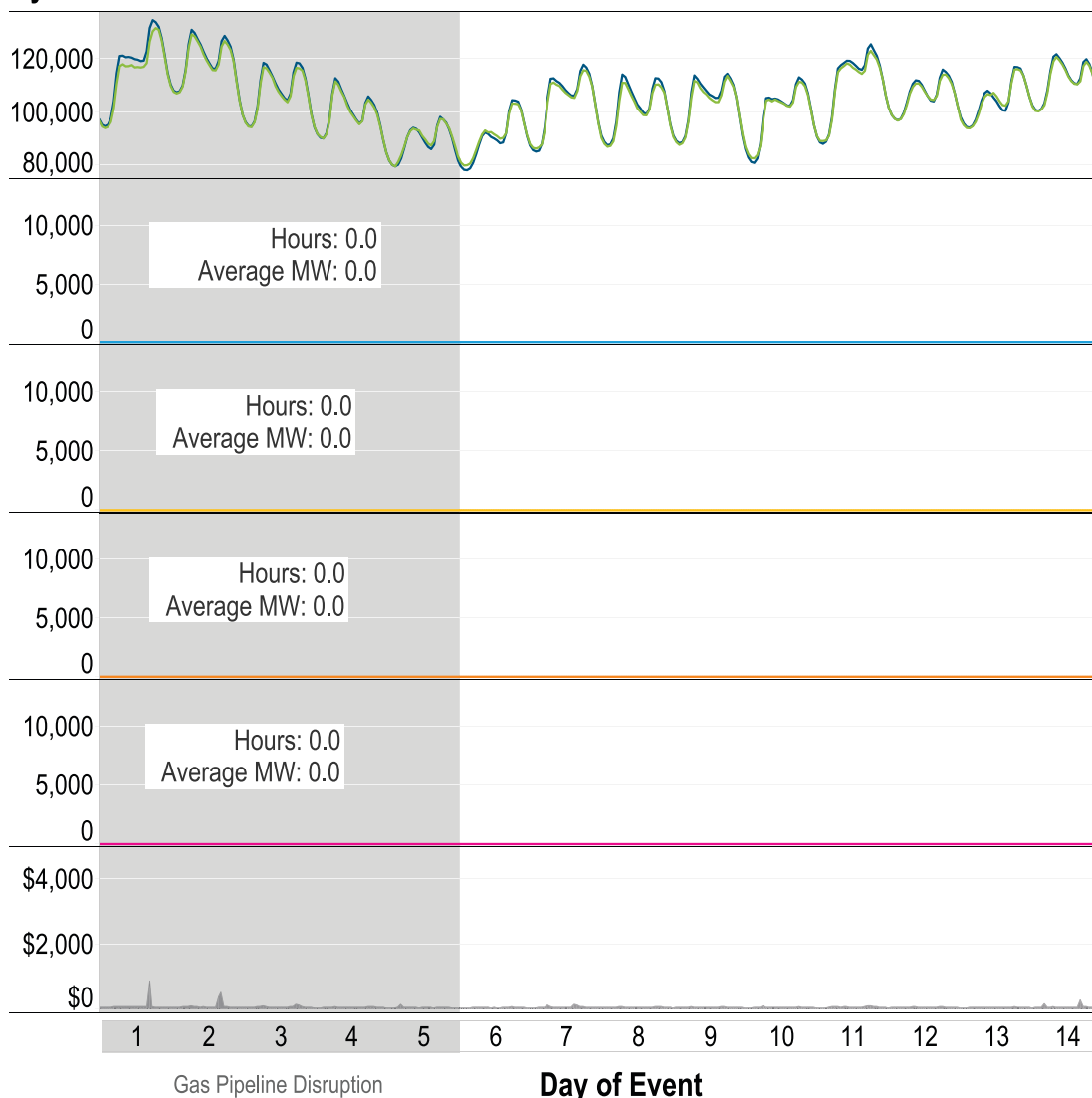
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



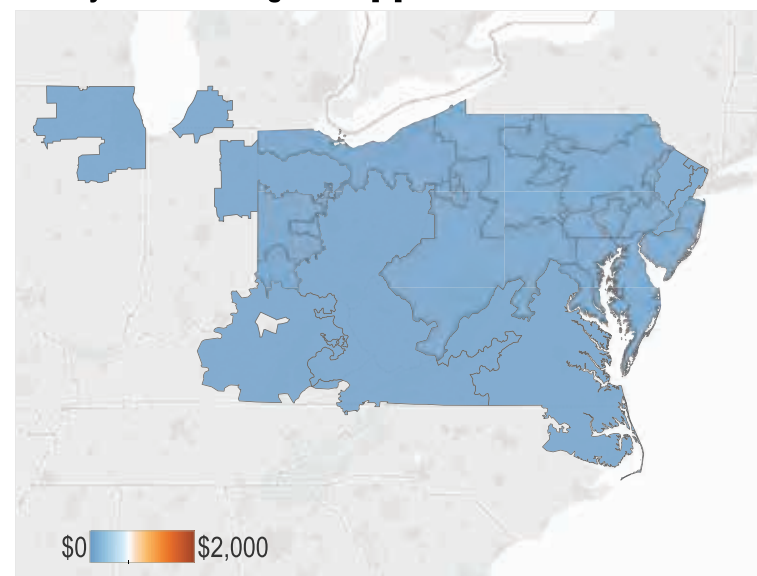
Legend



## Scenario: 125

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.67M

1	1	1	2	2	3	6	13	13	13	13	12	13	13
---	---	---	---	---	---	---	----	----	----	----	----	----	----

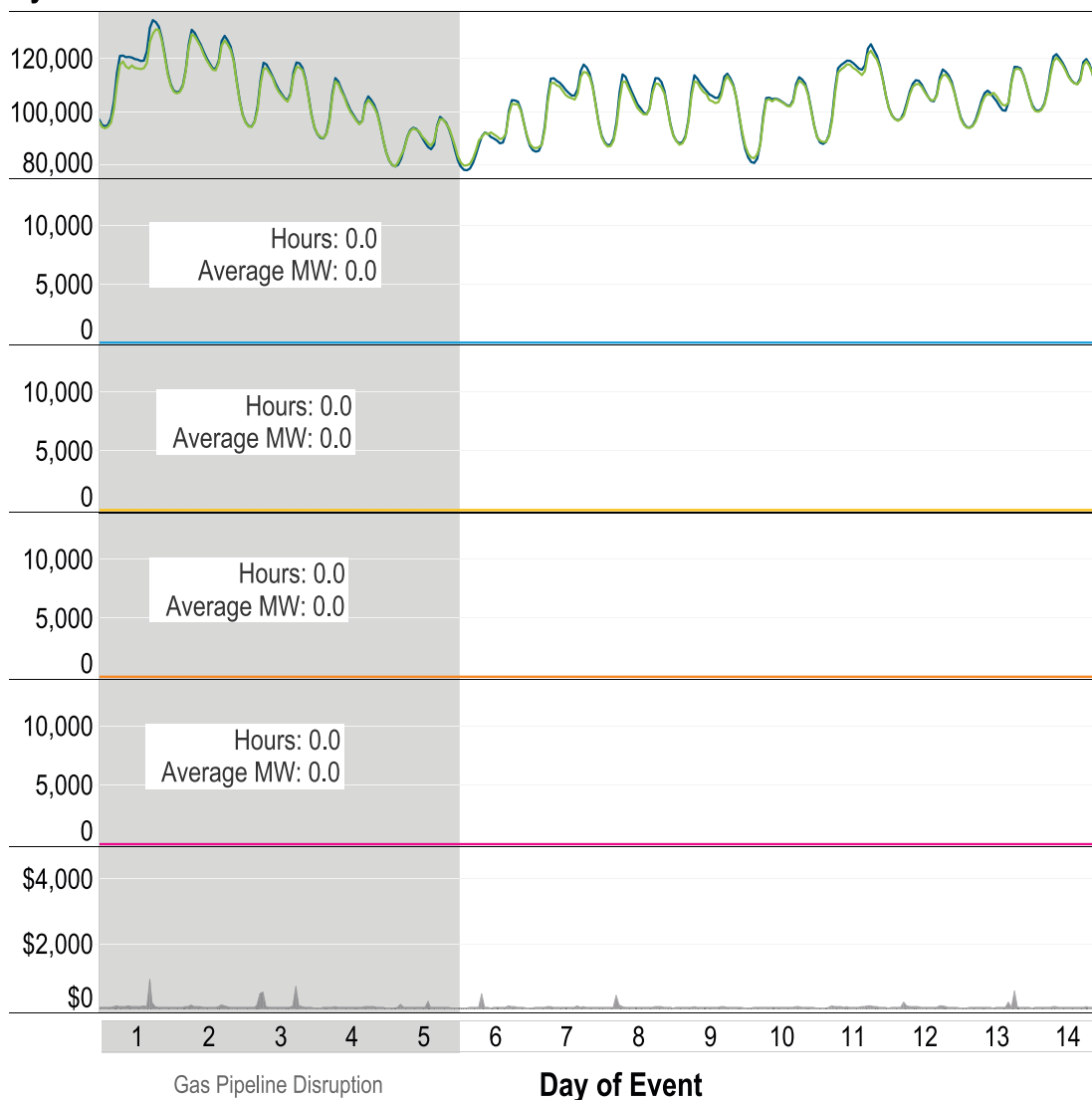
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



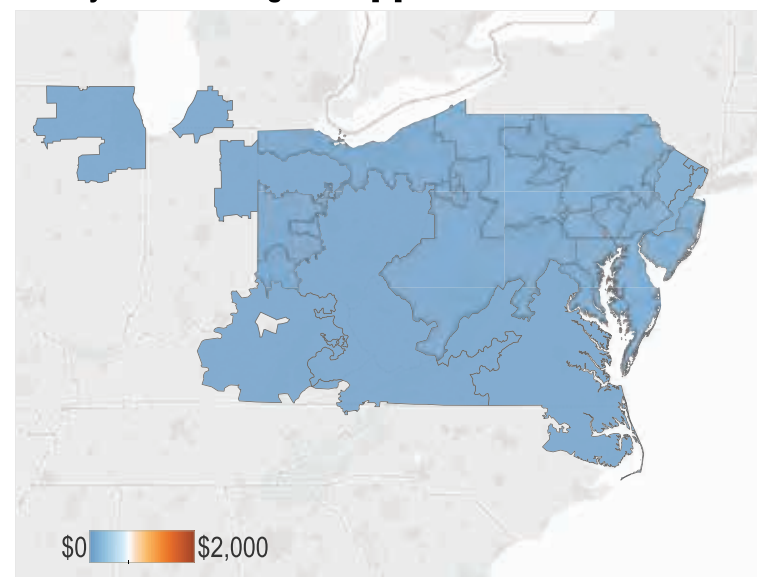
Legend



## Scenario: 126

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.69M

1	1	1	2	2	3	6	13	13	13	13	12	13	13
---	---	---	---	---	---	---	----	----	----	----	----	----	----

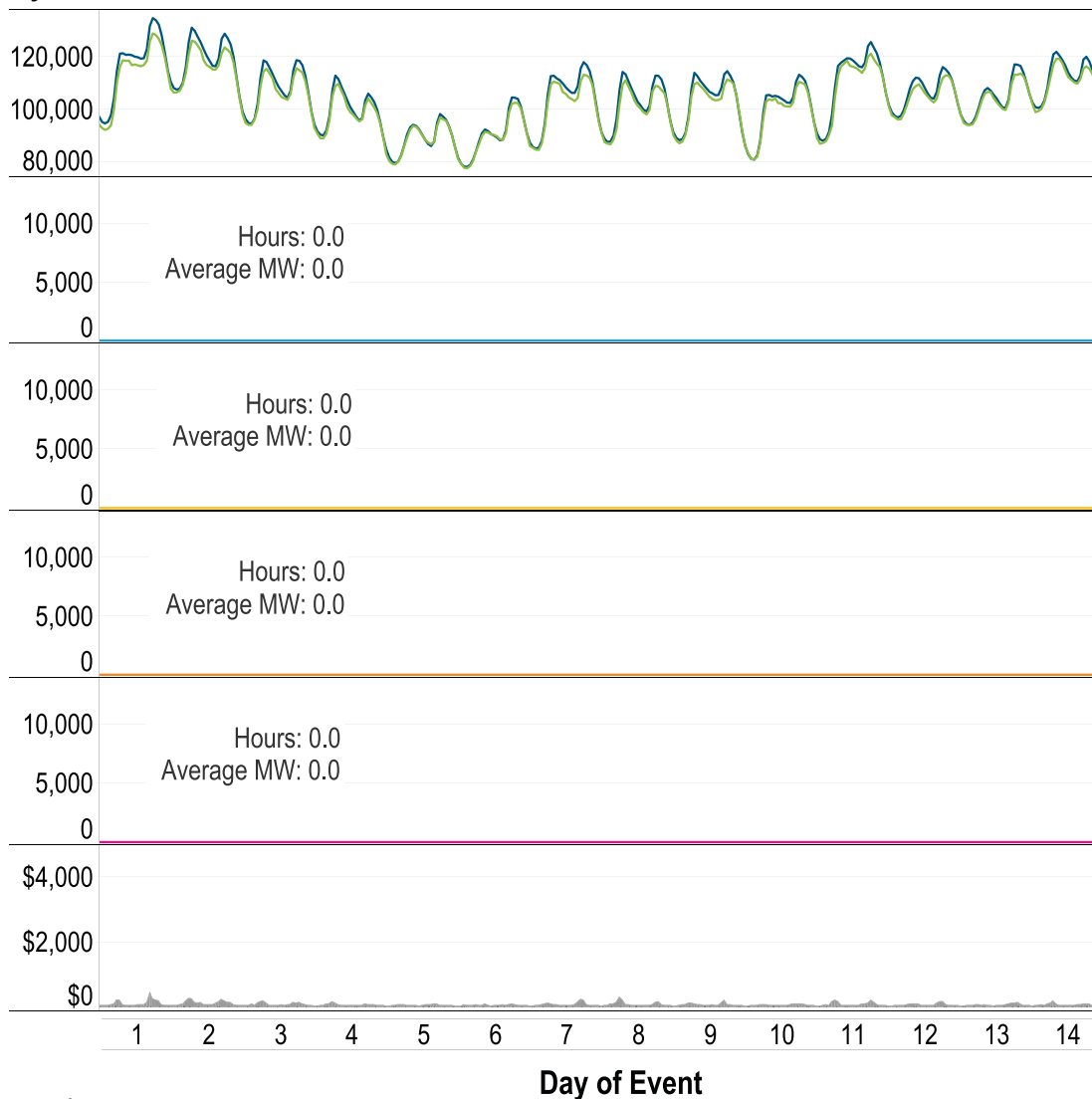
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

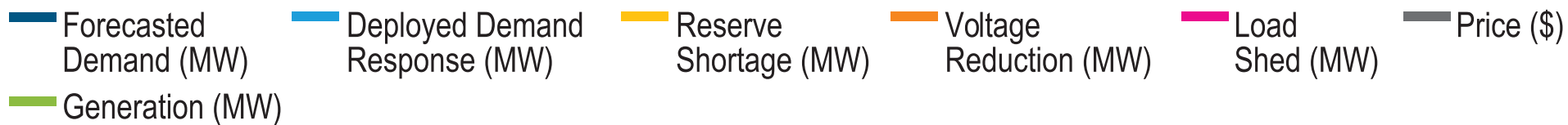
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



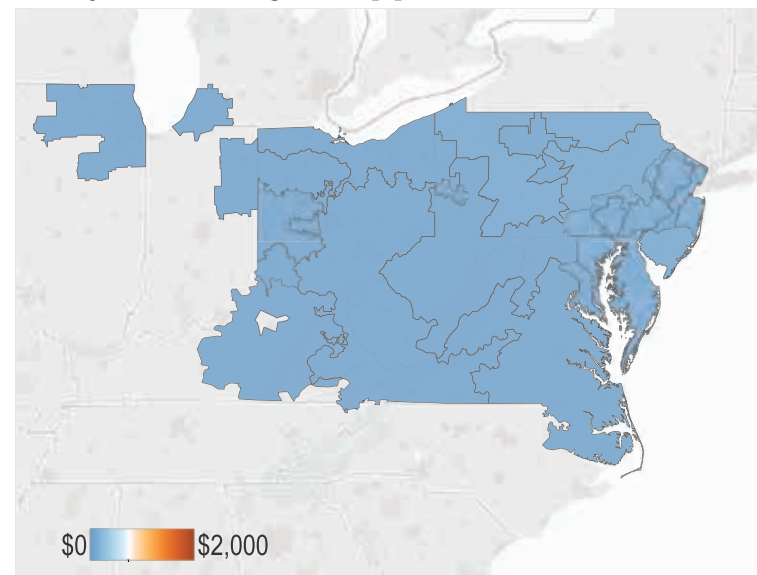
Legend



## Scenario: 127

Load:	Typical
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.12M



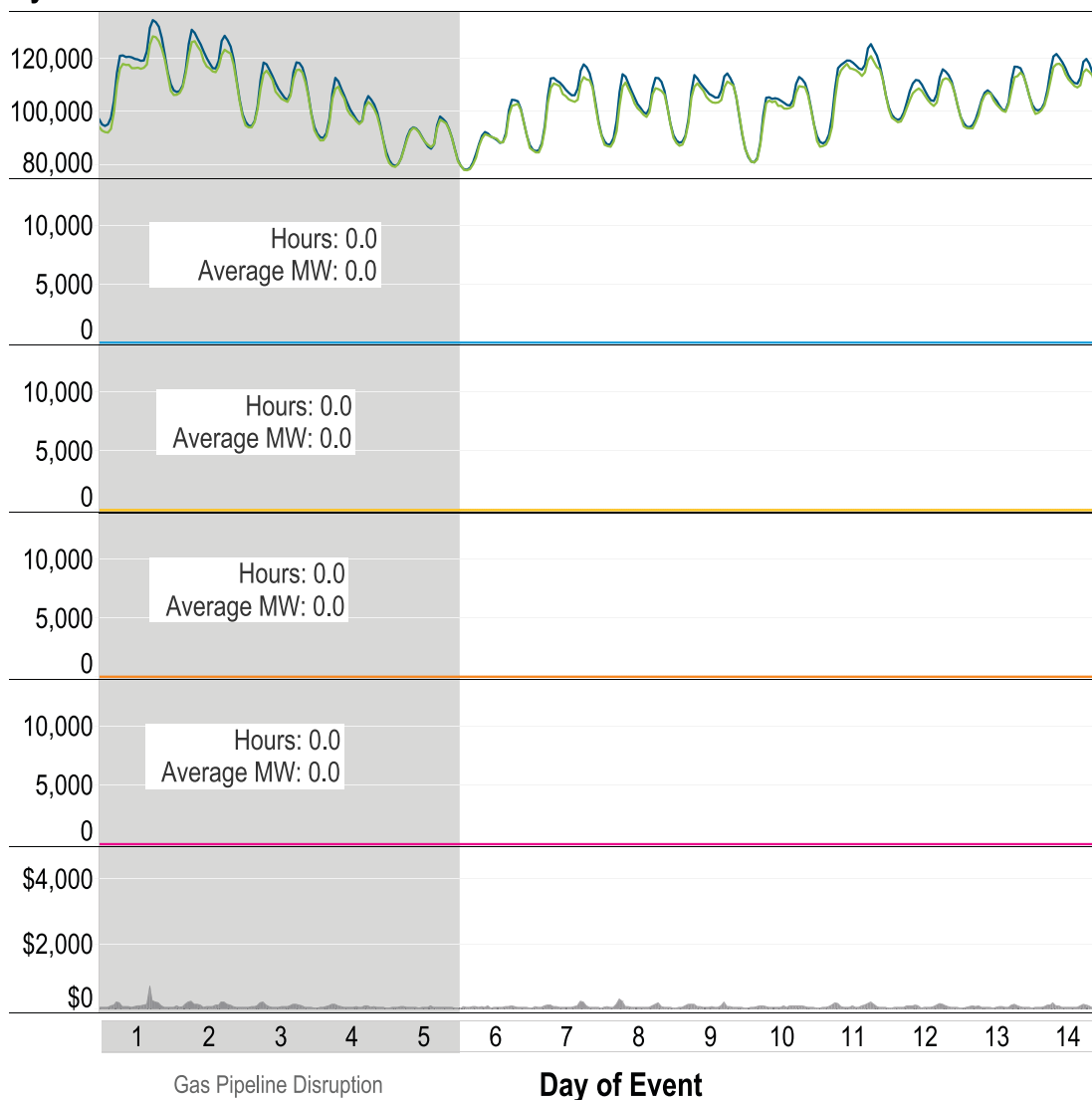
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



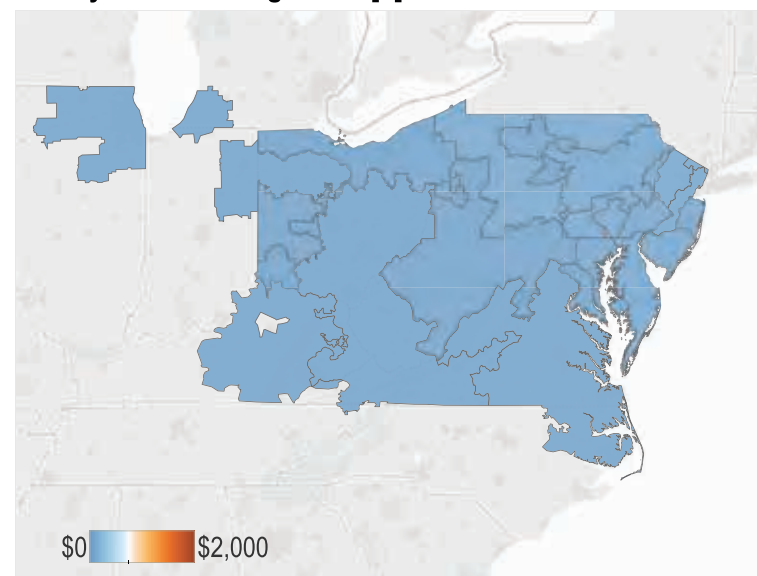
Legend



## Scenario: 128

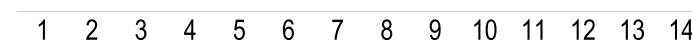
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.18M

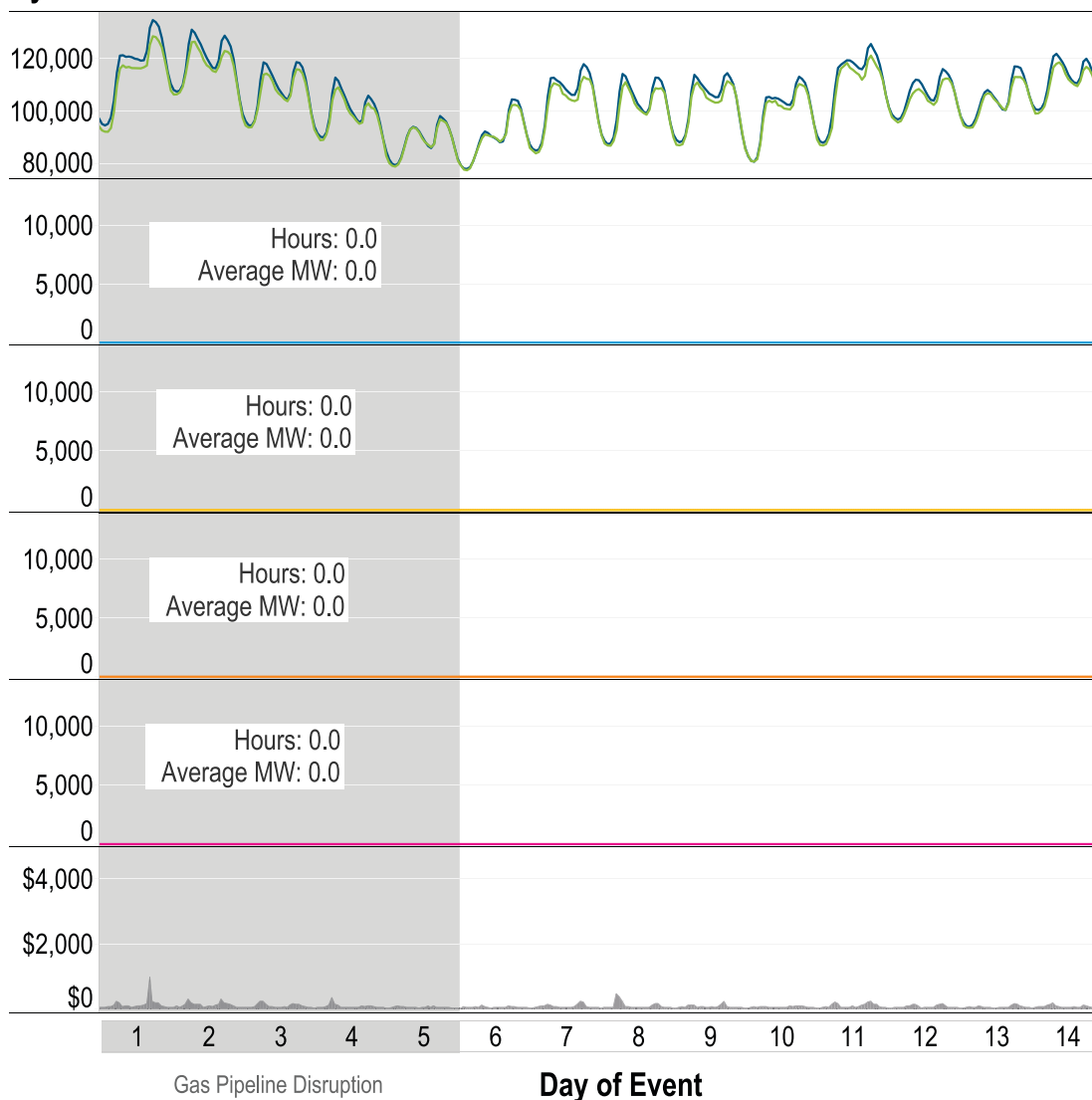


\*141 Total Sites

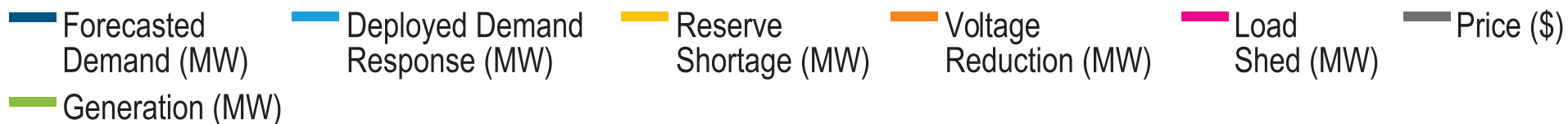
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



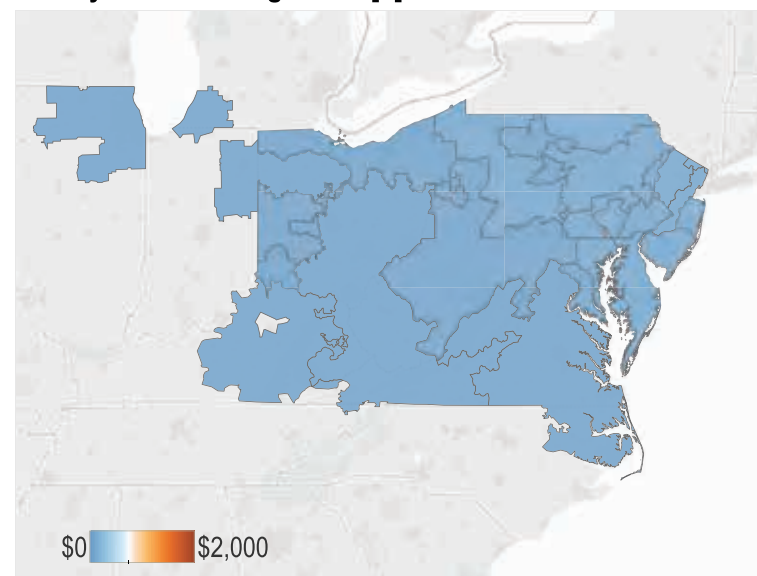
Legend



## Scenario: 129

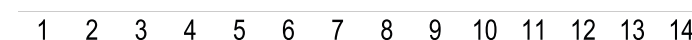
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.23M



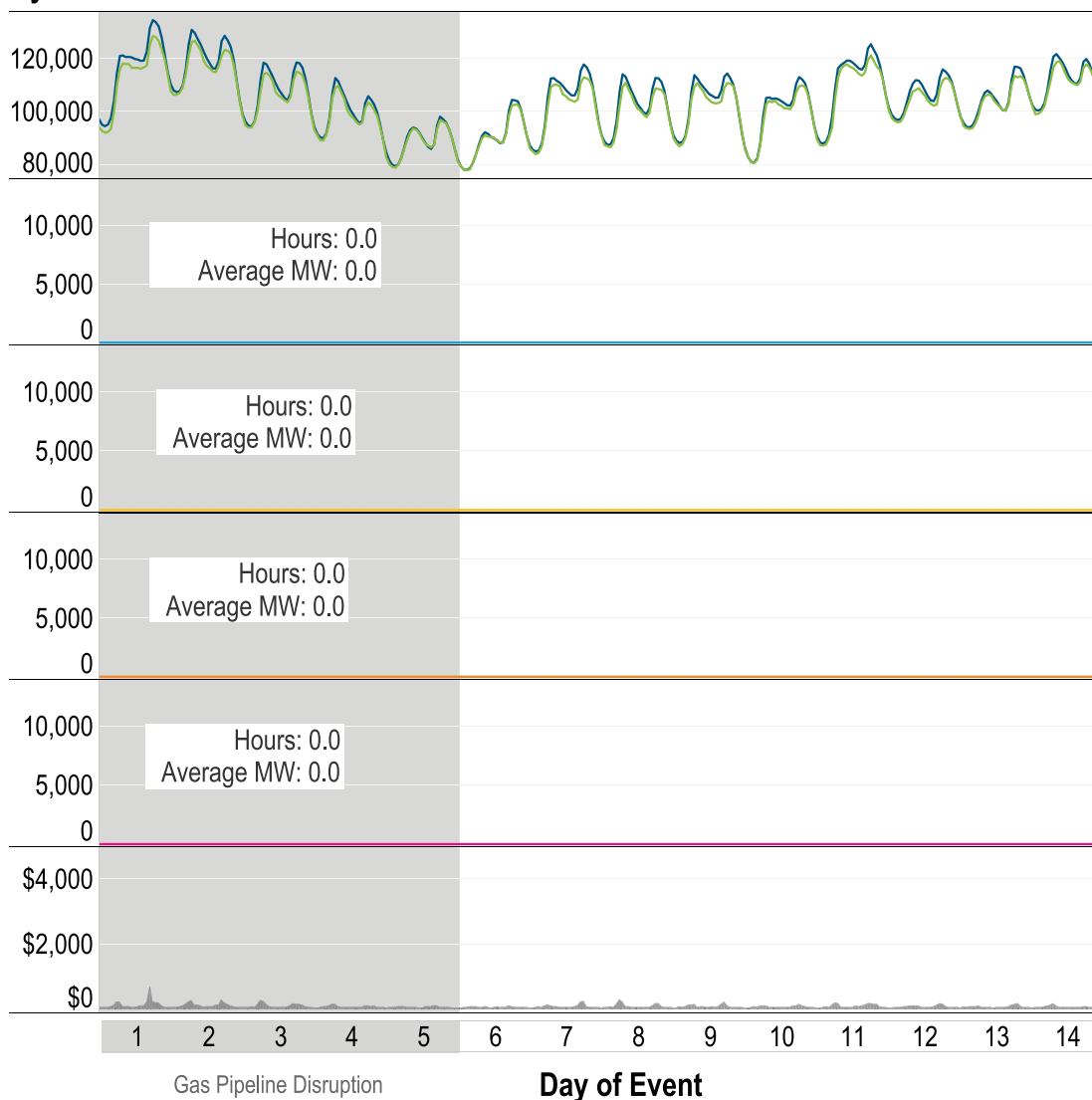
\*141 Total Sites

Day of Event

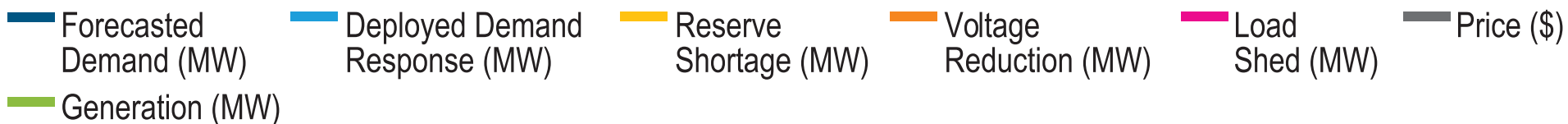
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



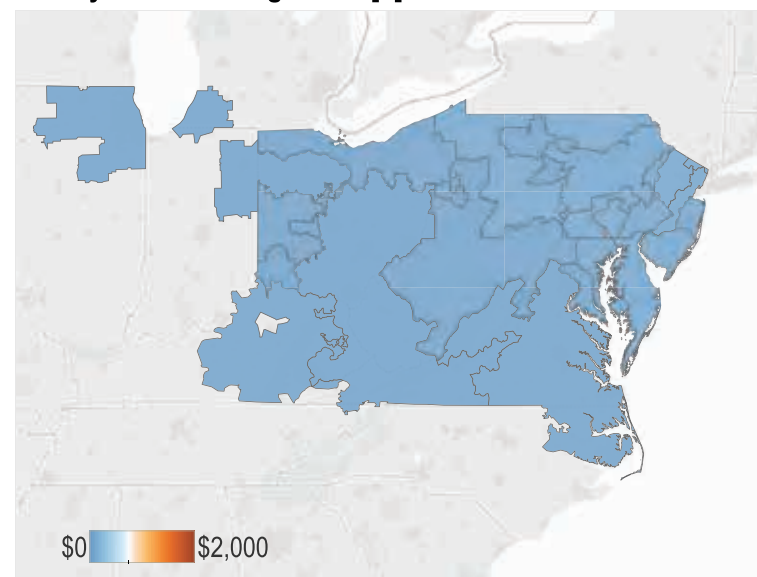
Legend



## Scenario: 130

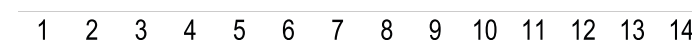
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.16M

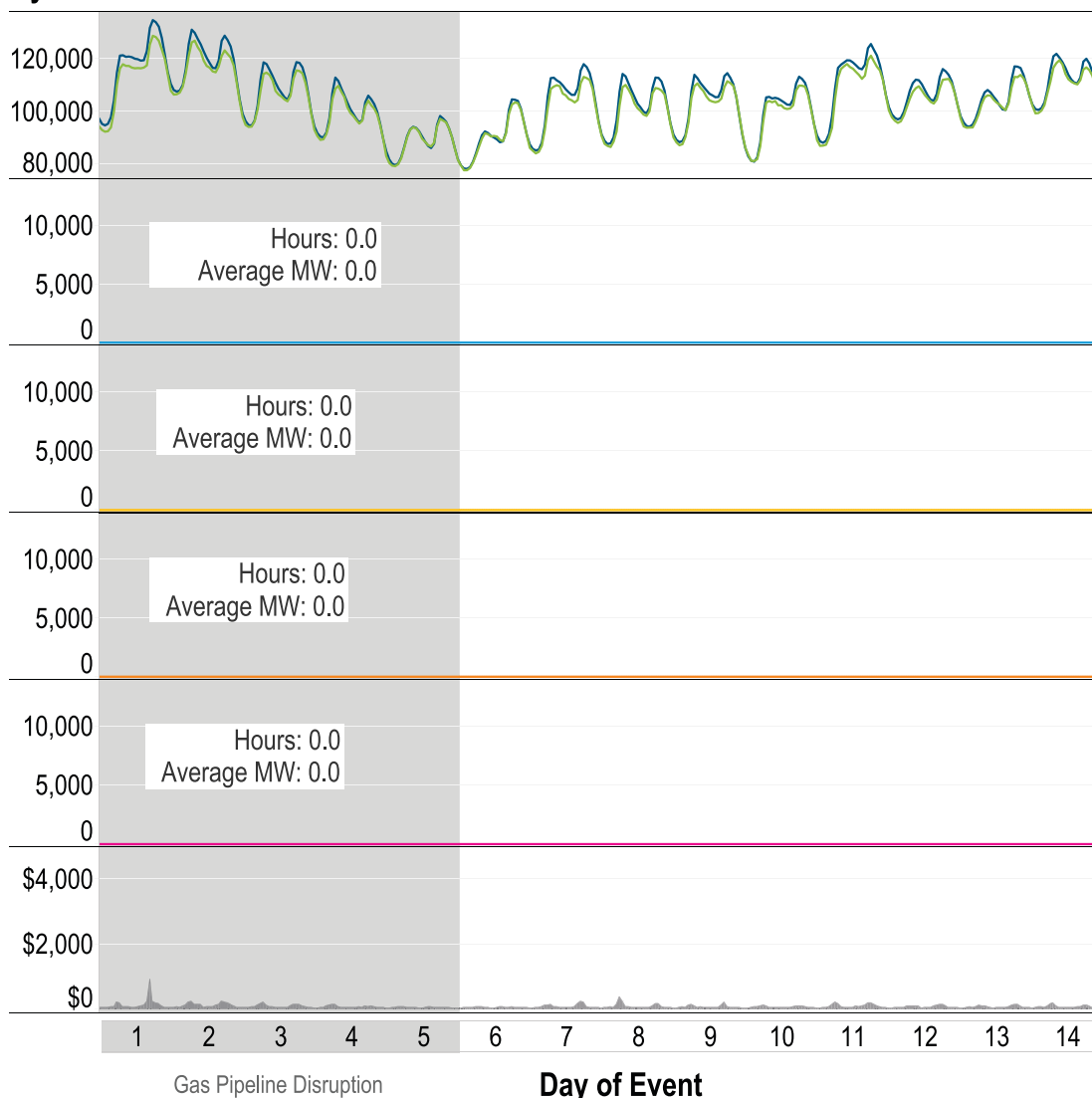


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



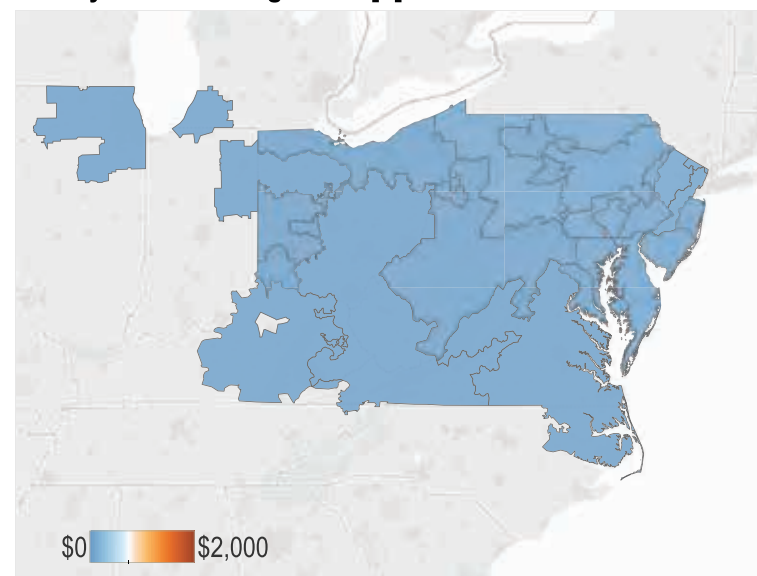
Legend



## Scenario: 131

Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.19M

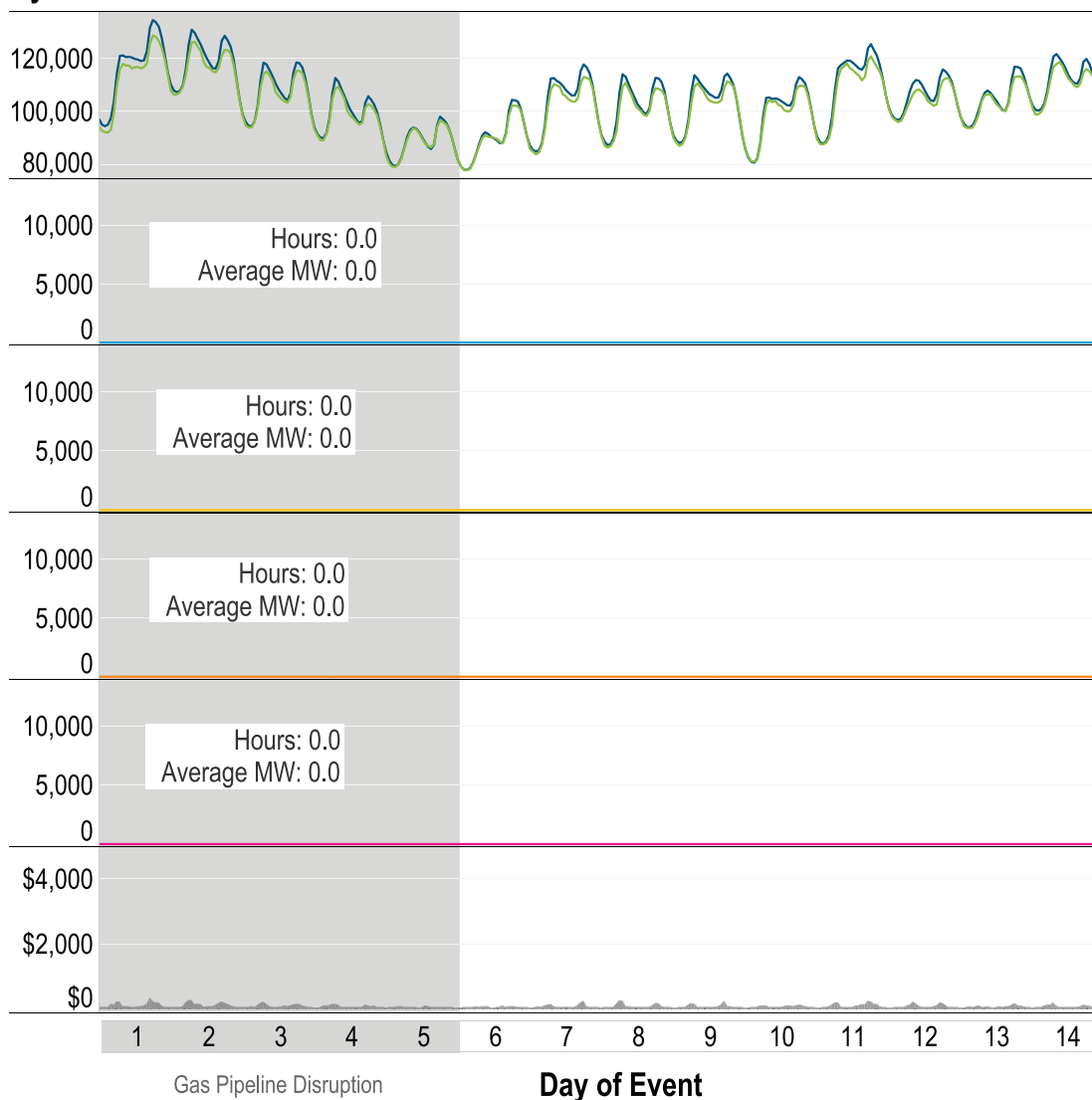


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



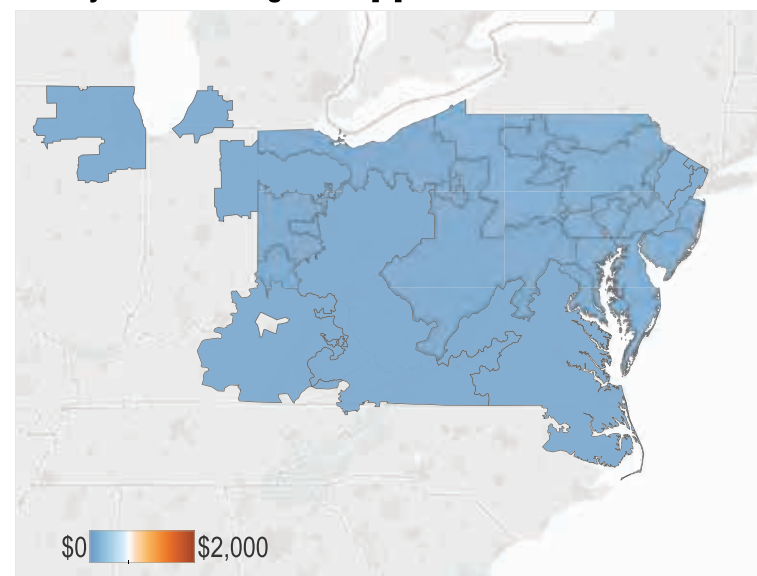
Legend



## Scenario: 132

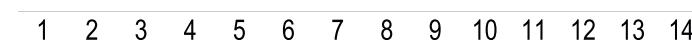
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.18M

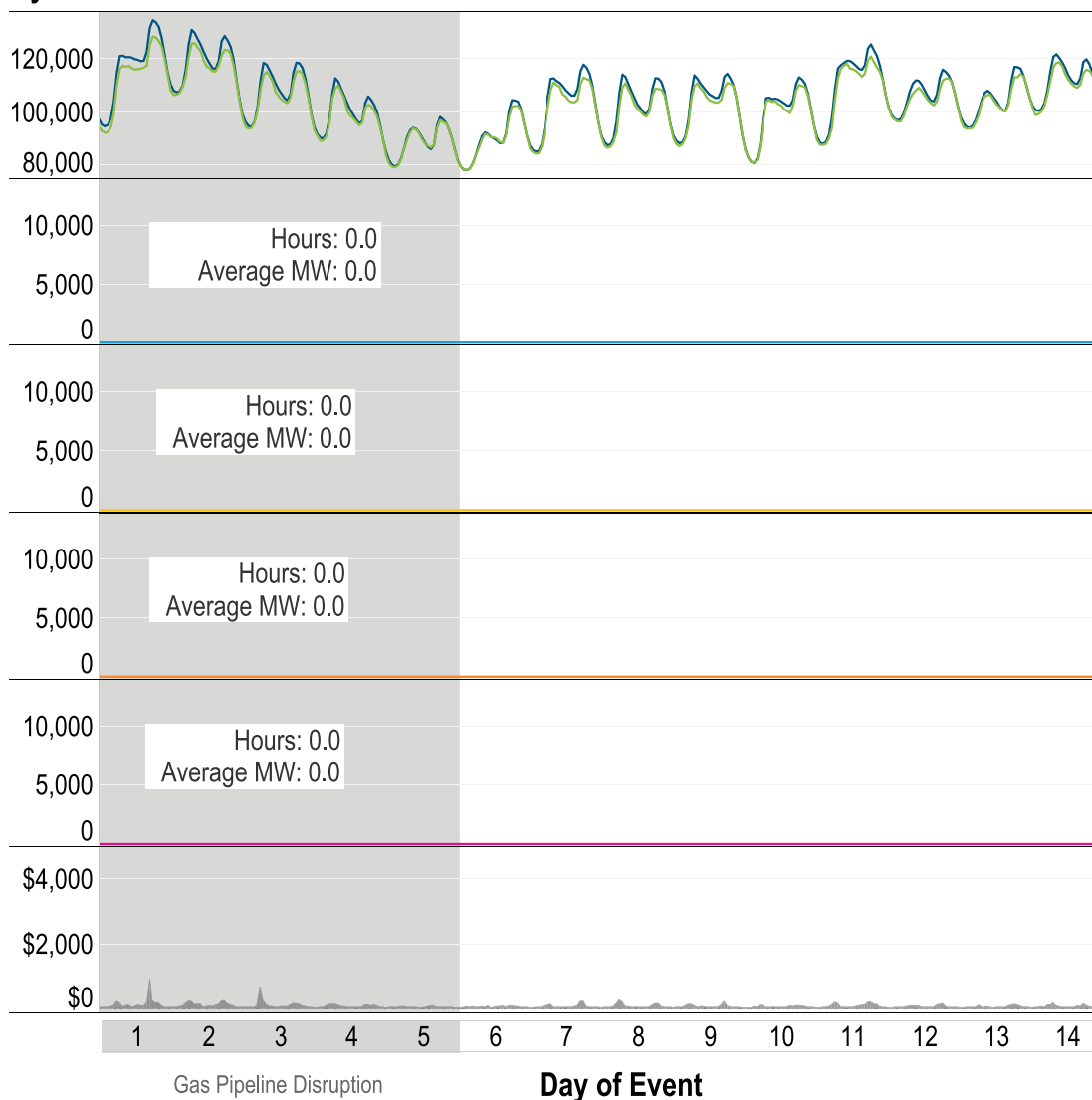


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



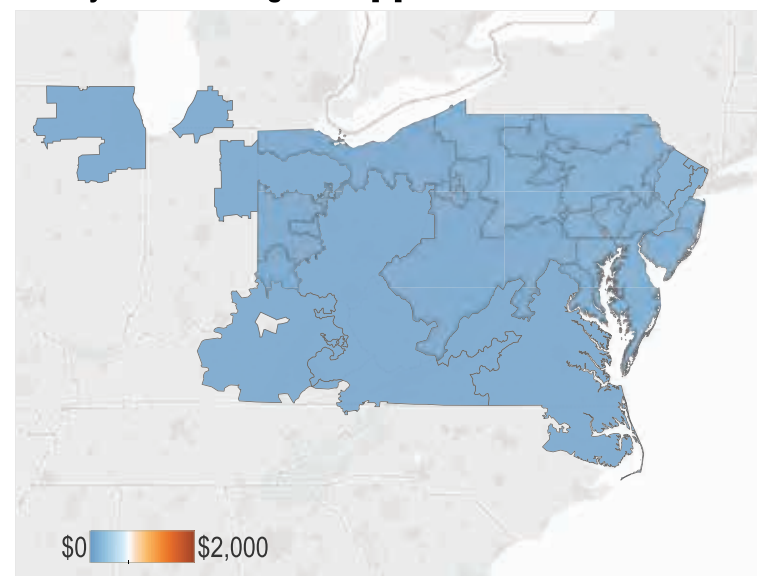
Legend



## Scenario: 133

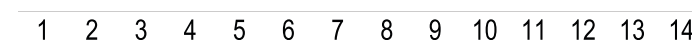
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.25M

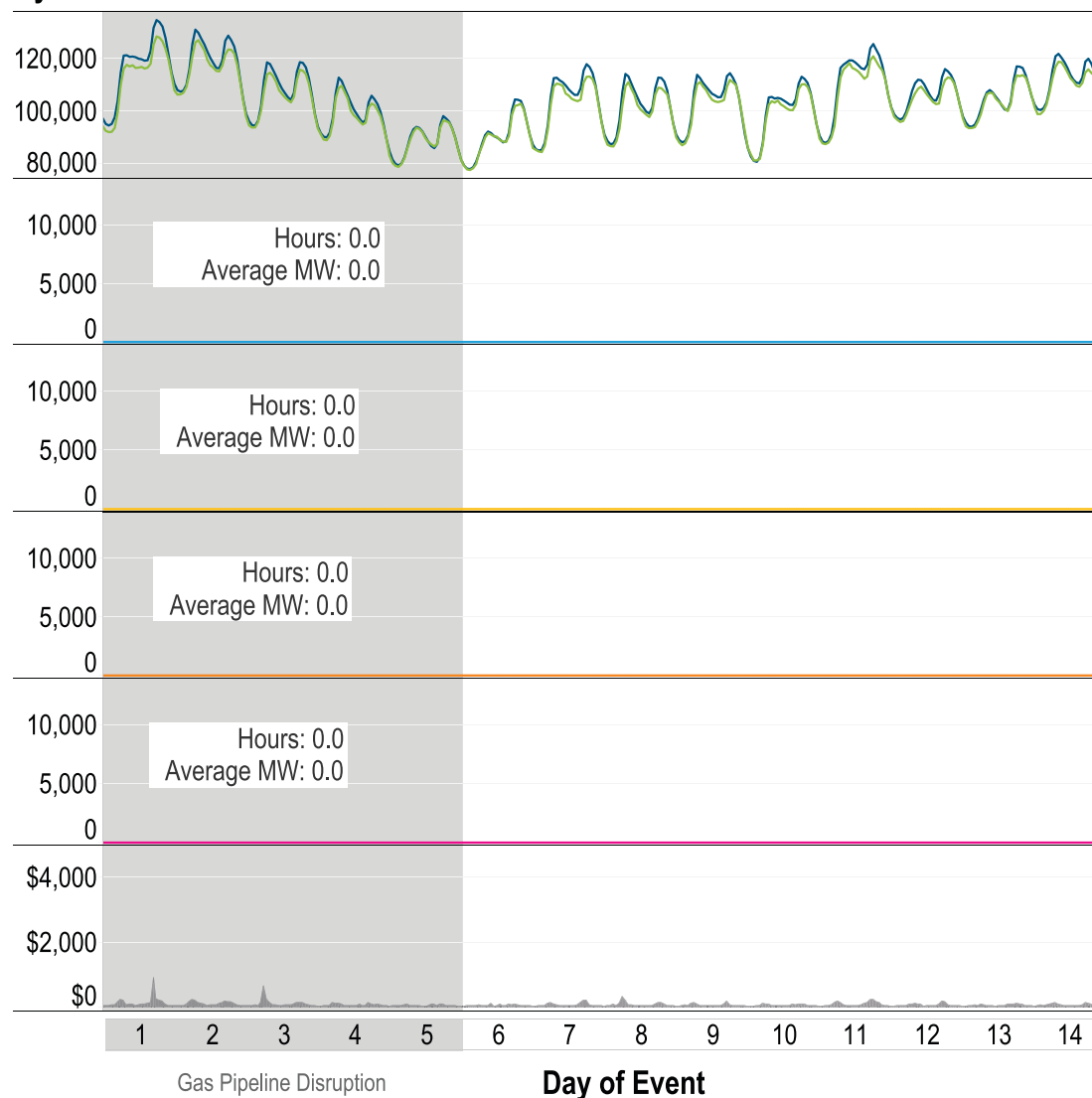


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



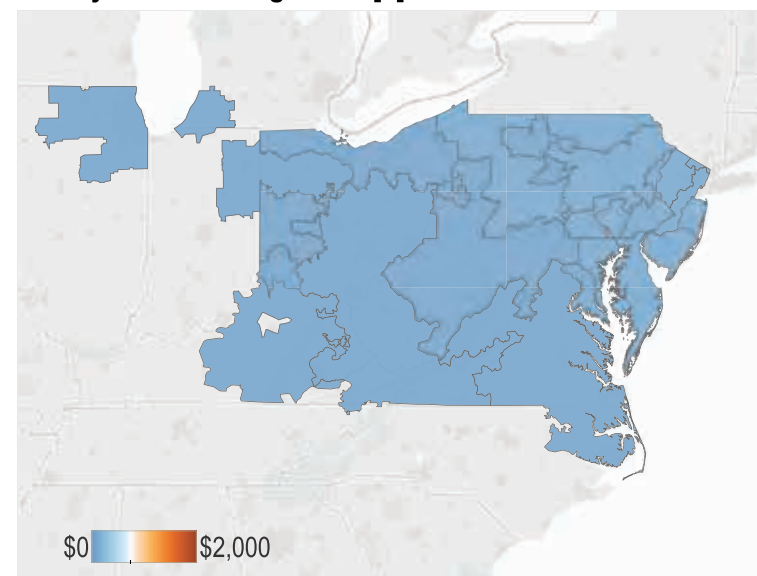
Legend



## Scenario: 134

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.21M

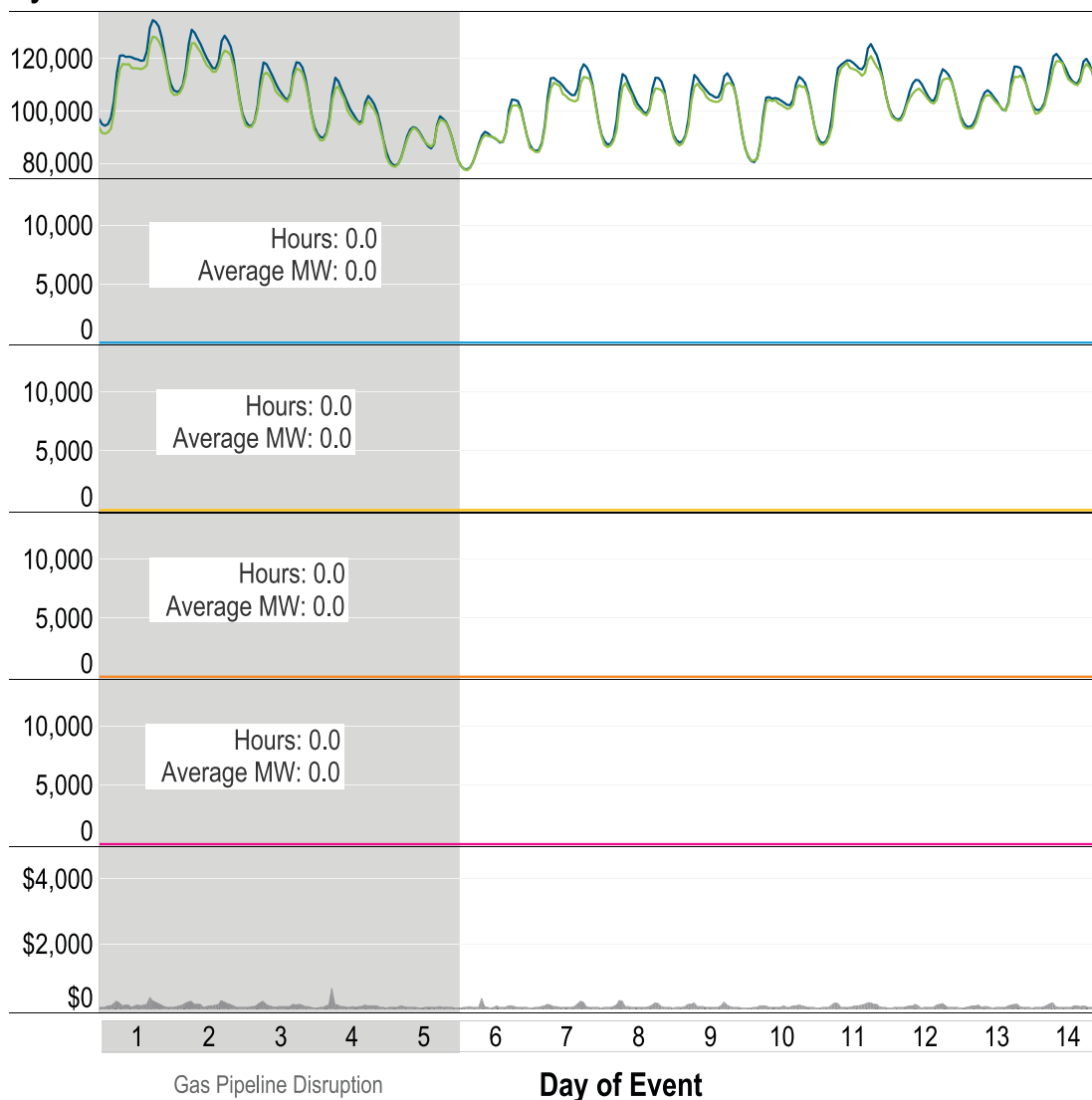


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



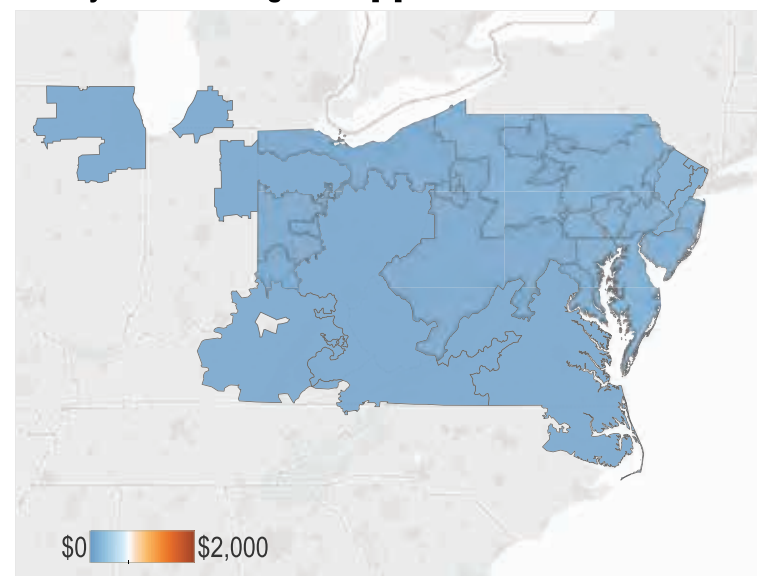
Legend



## Scenario: 135

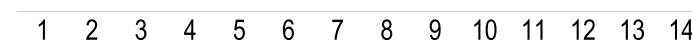
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.34M

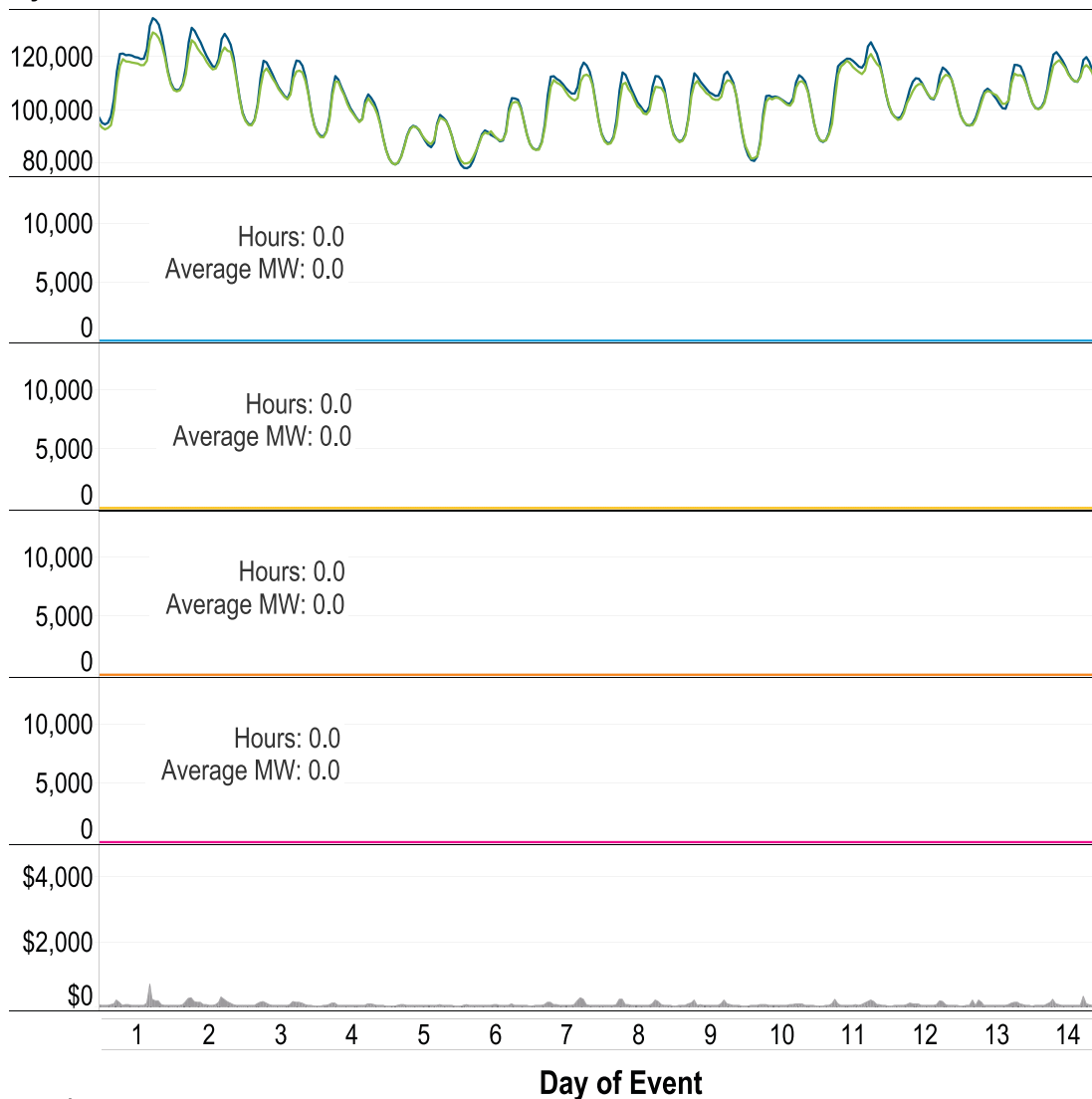


\*141 Total Sites

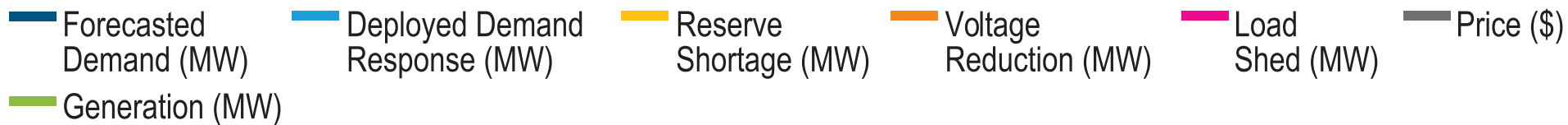
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



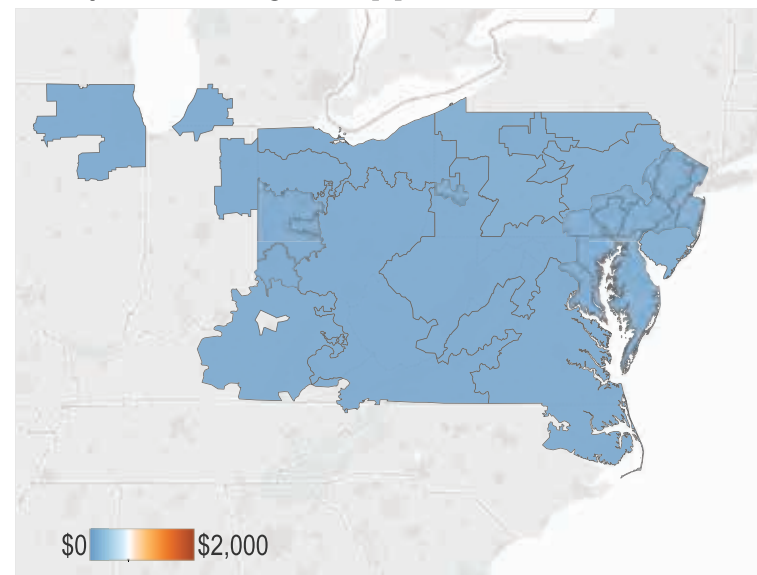
Legend



## Scenario: 136

Load:	Typical
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.95M

1	1	1	2	2	3	7	14	14	14	14	14	14	14
---	---	---	---	---	---	---	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

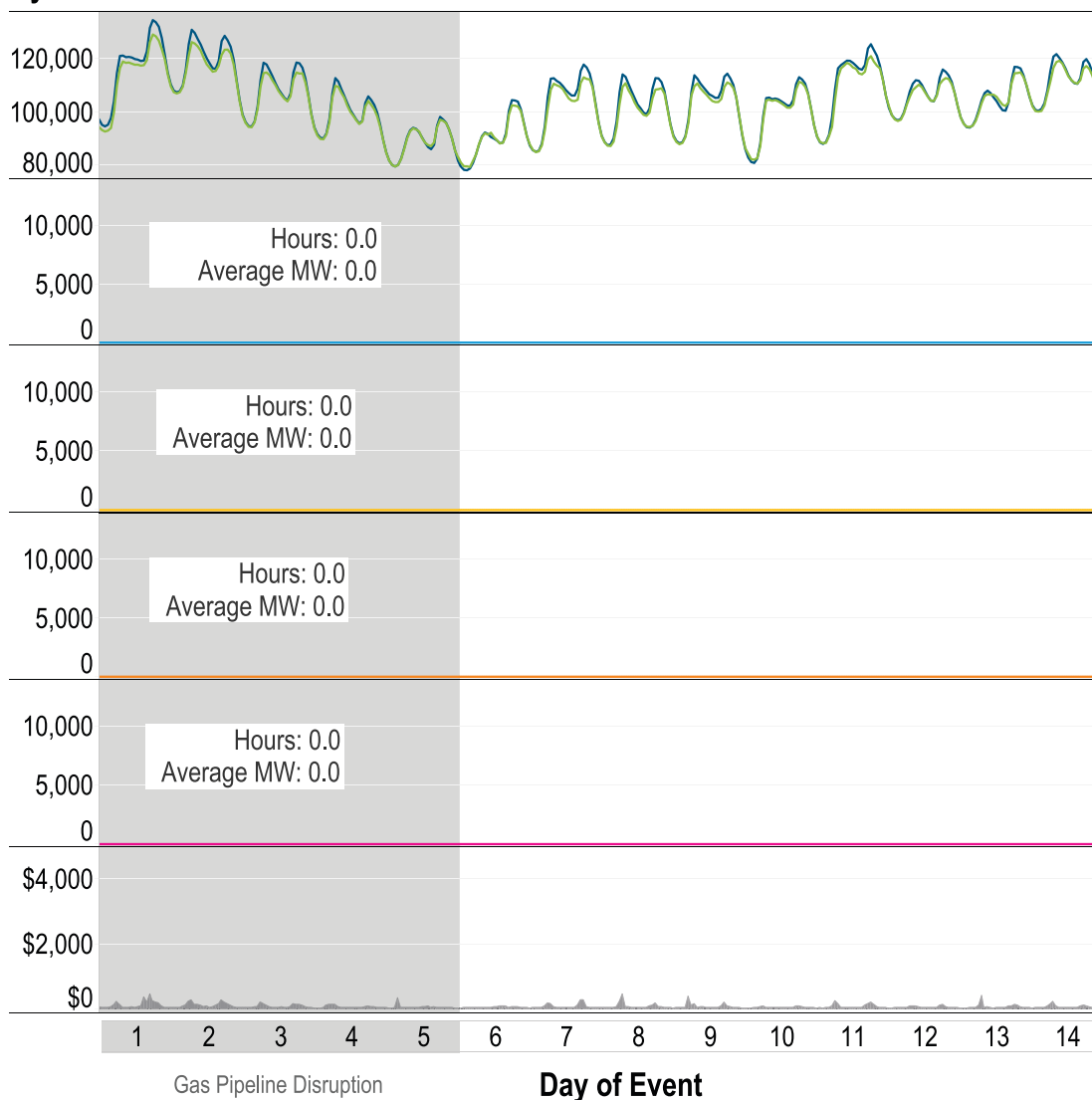
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



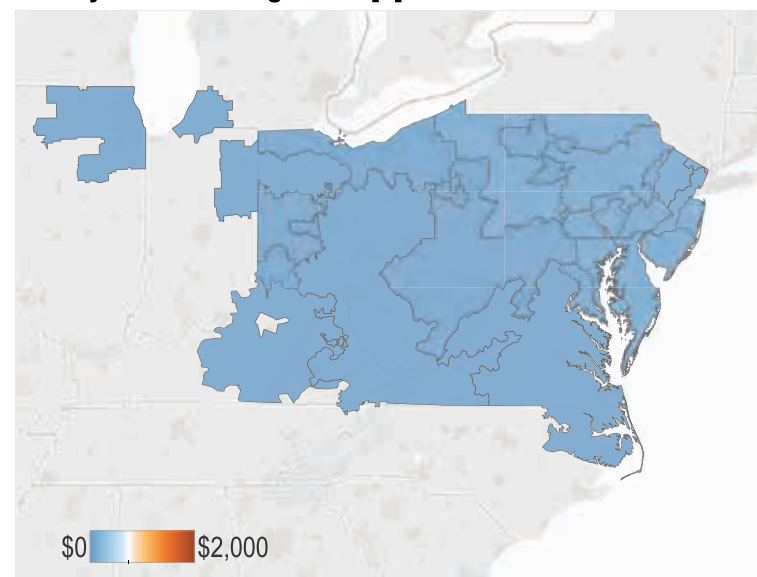
Legend



## Scenario: 137

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.00M

1	1	2	4	4	5	8	15	15	15	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

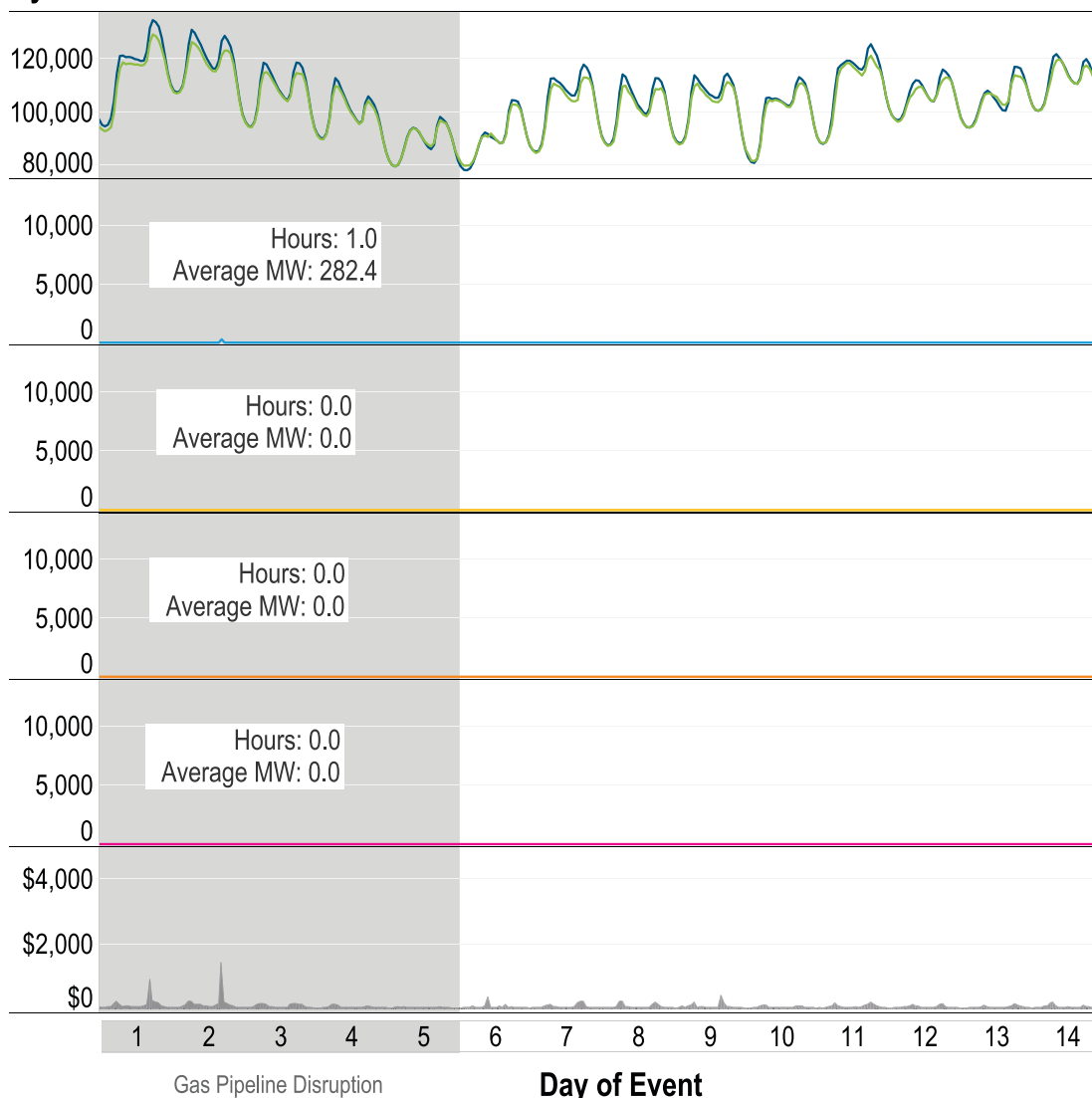
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



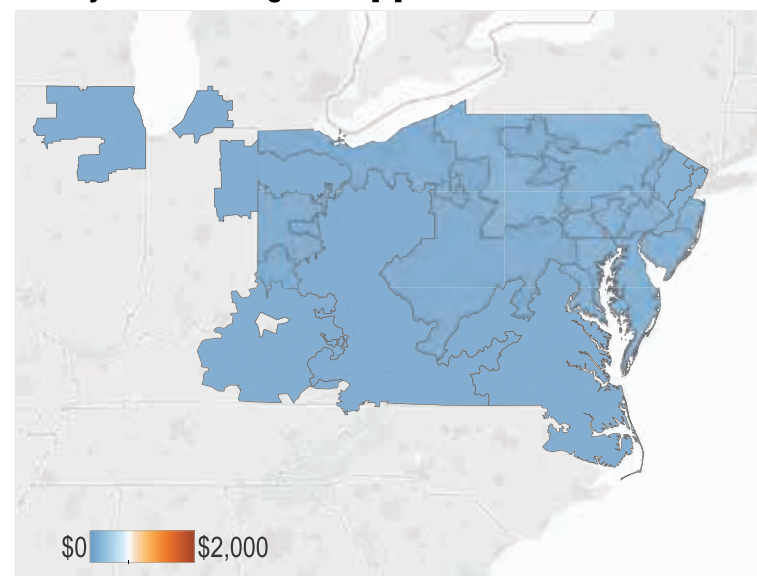
Legend



## Scenario: 138

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.06M

1	1	3	4	4	5	8	15	16	16	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

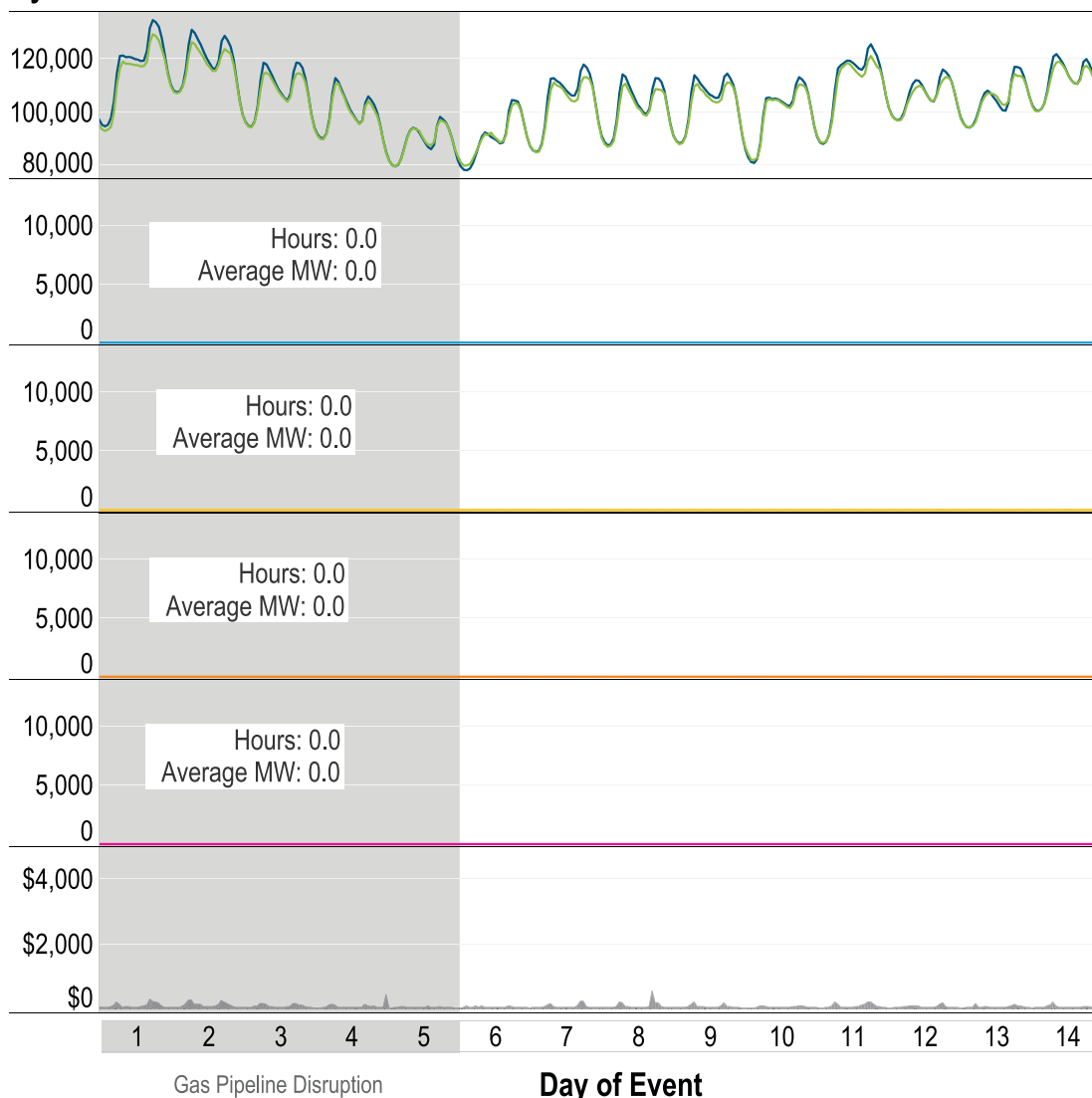
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



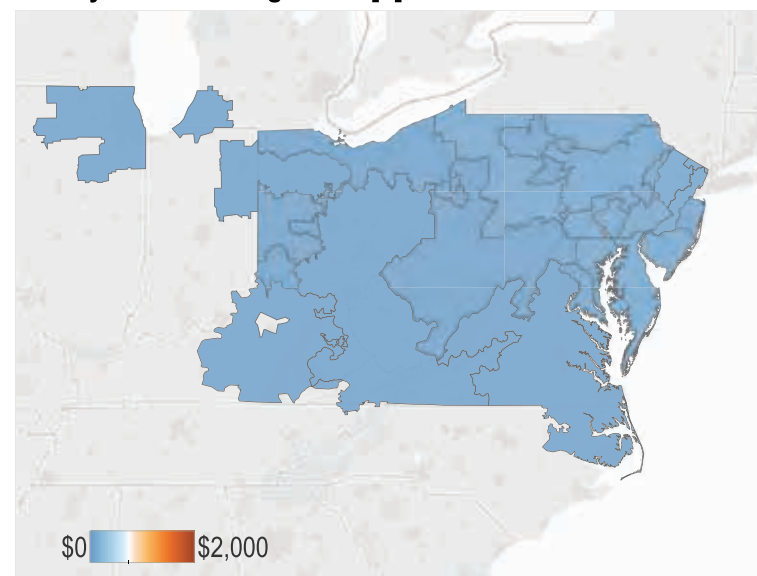
Legend



## Scenario: 139

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.96M

1	1	1	3	3	4	8	15	15	15	15	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

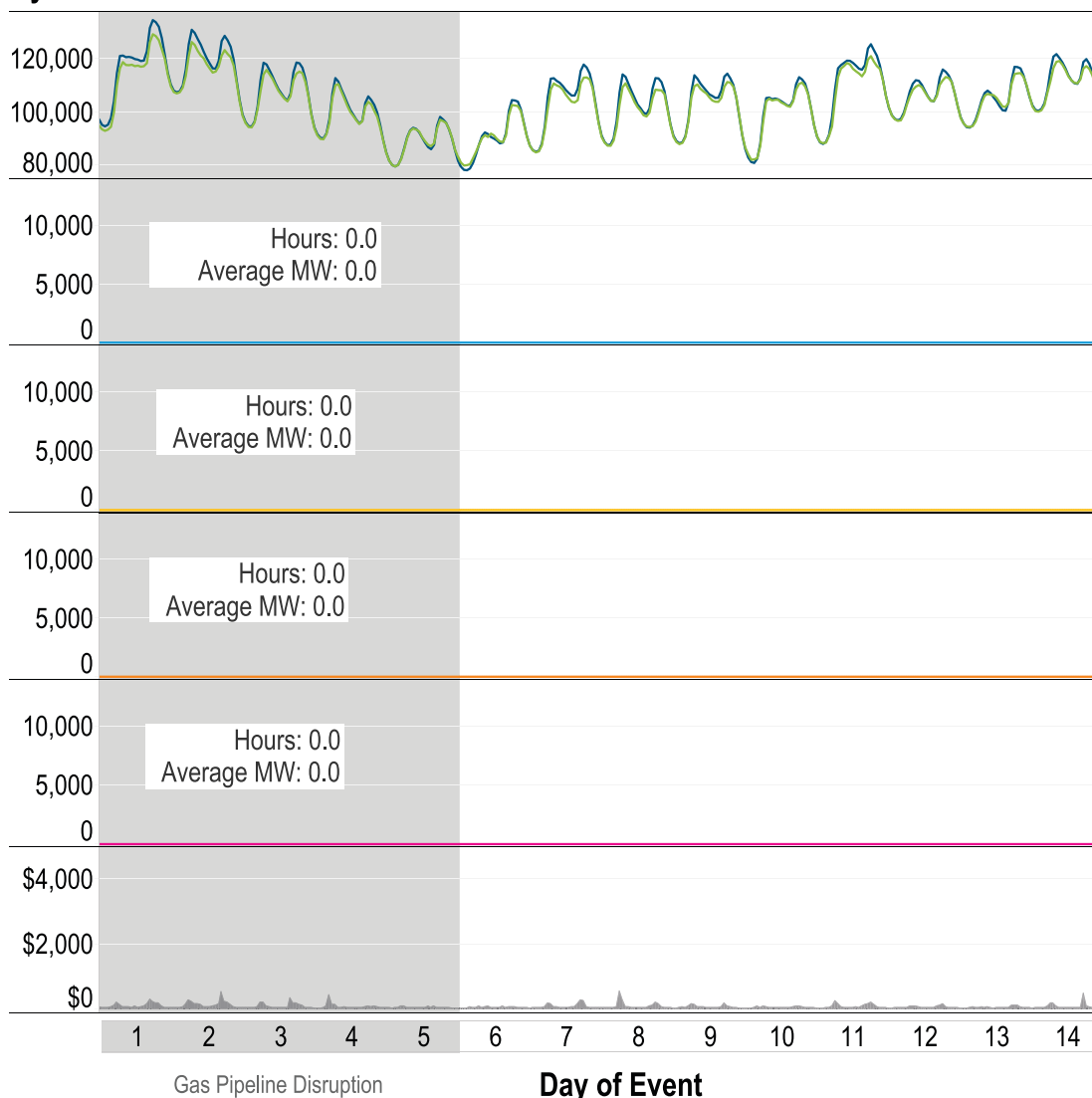
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



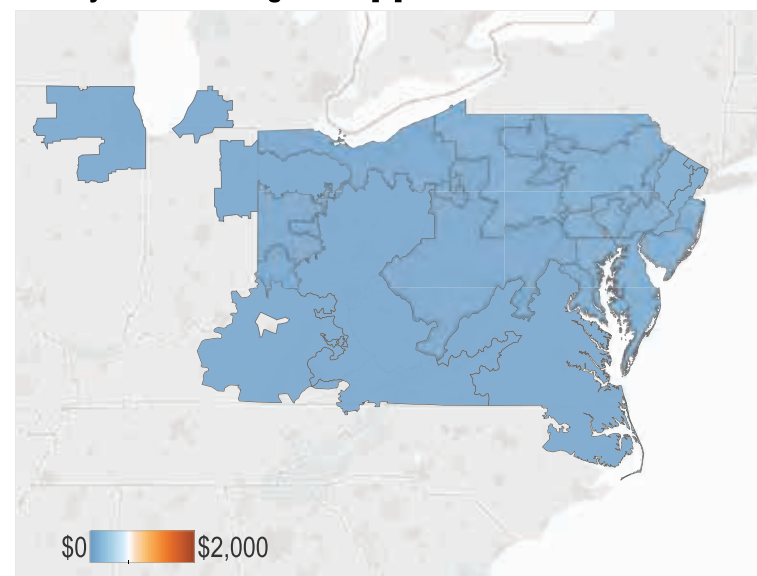
Legend



## Scenario: 140

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.01M

1	1	1	4	4	5	8	15	15	15	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

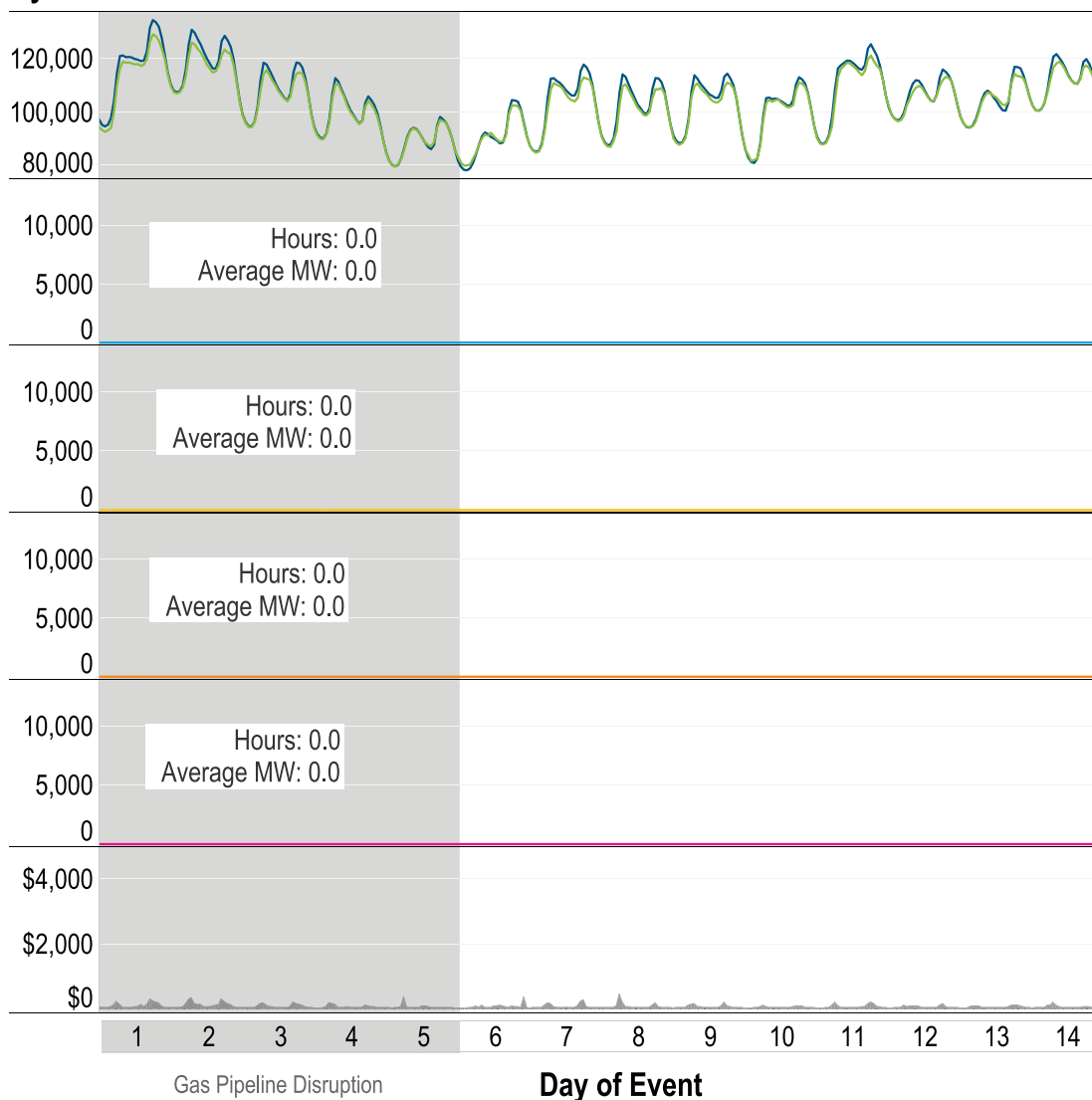
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



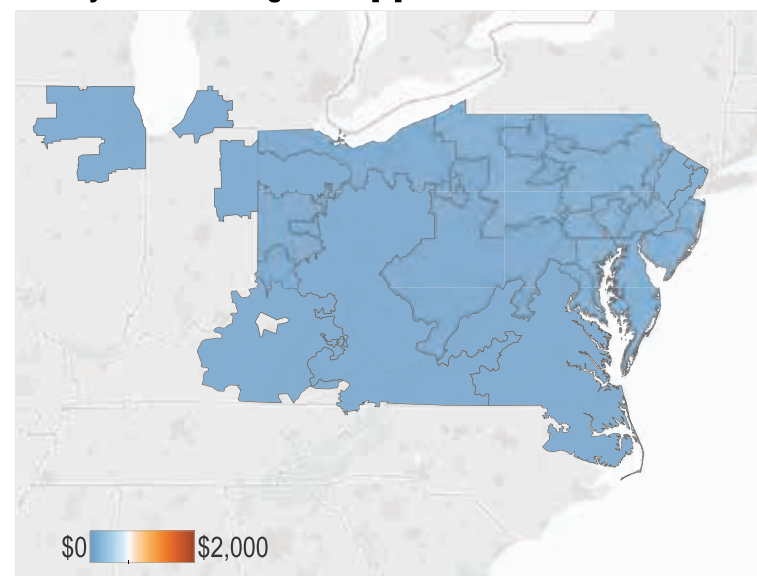
Legend



## Scenario: 141

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.00M

1	1	1	4	4	5	8	15	15	16	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

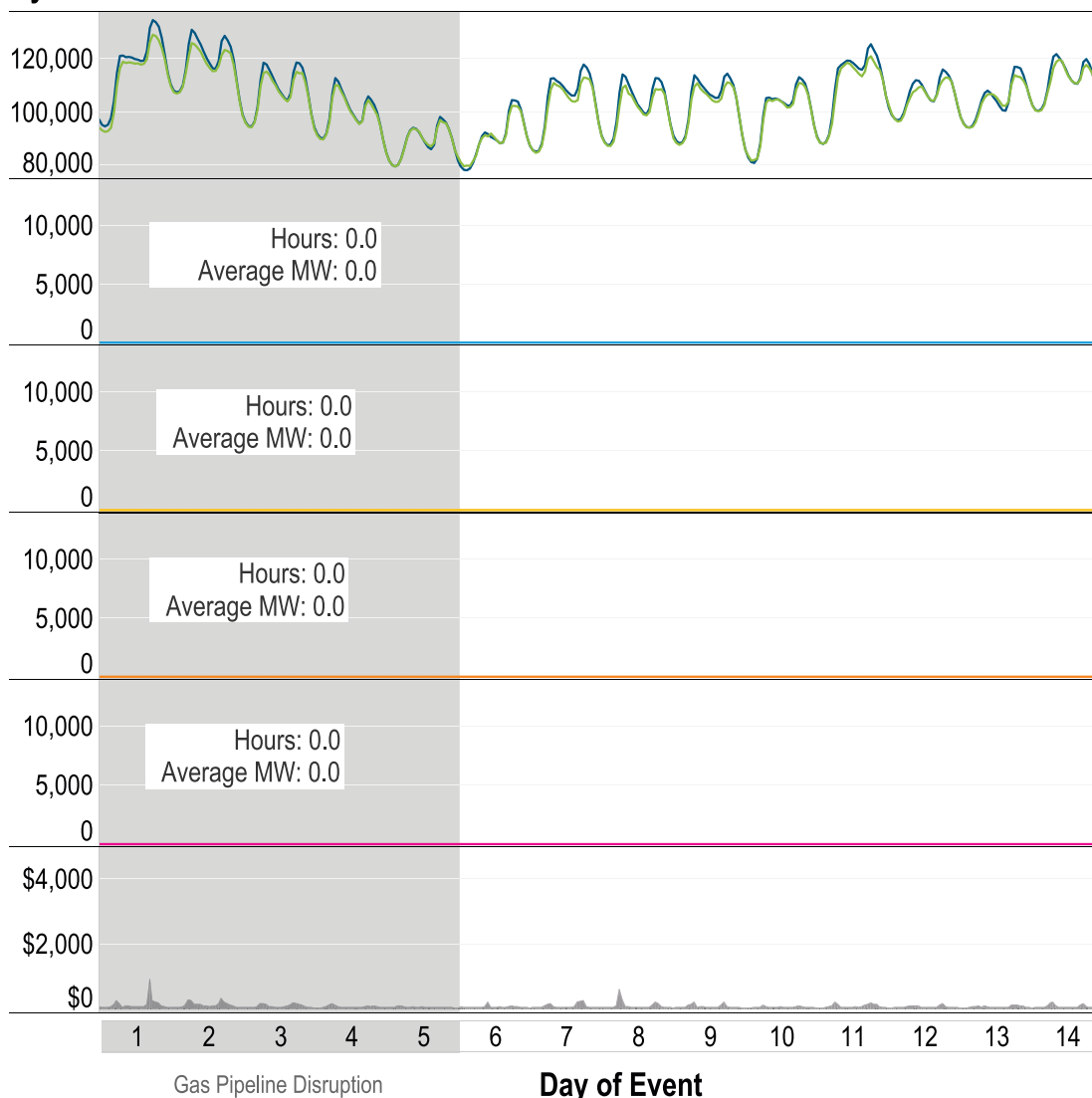
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



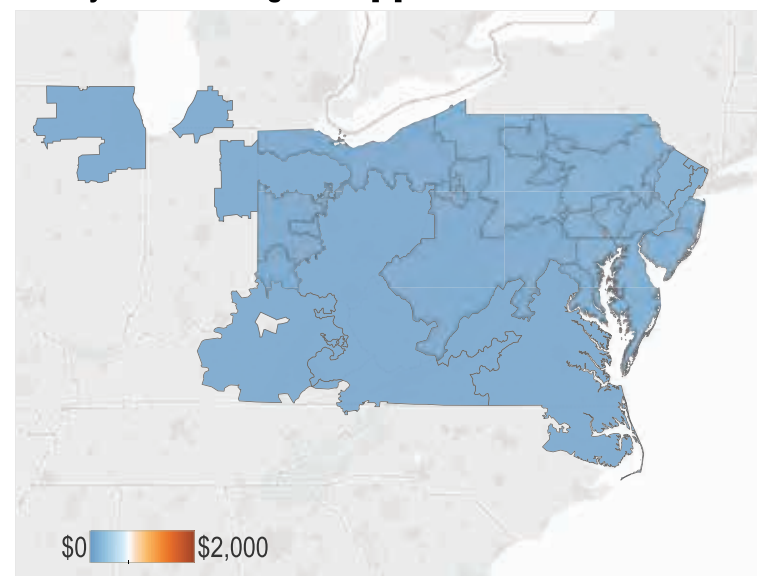
Legend



## Scenario: 142

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.08M

1	1	2	4	4	5	9	16	16	16	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

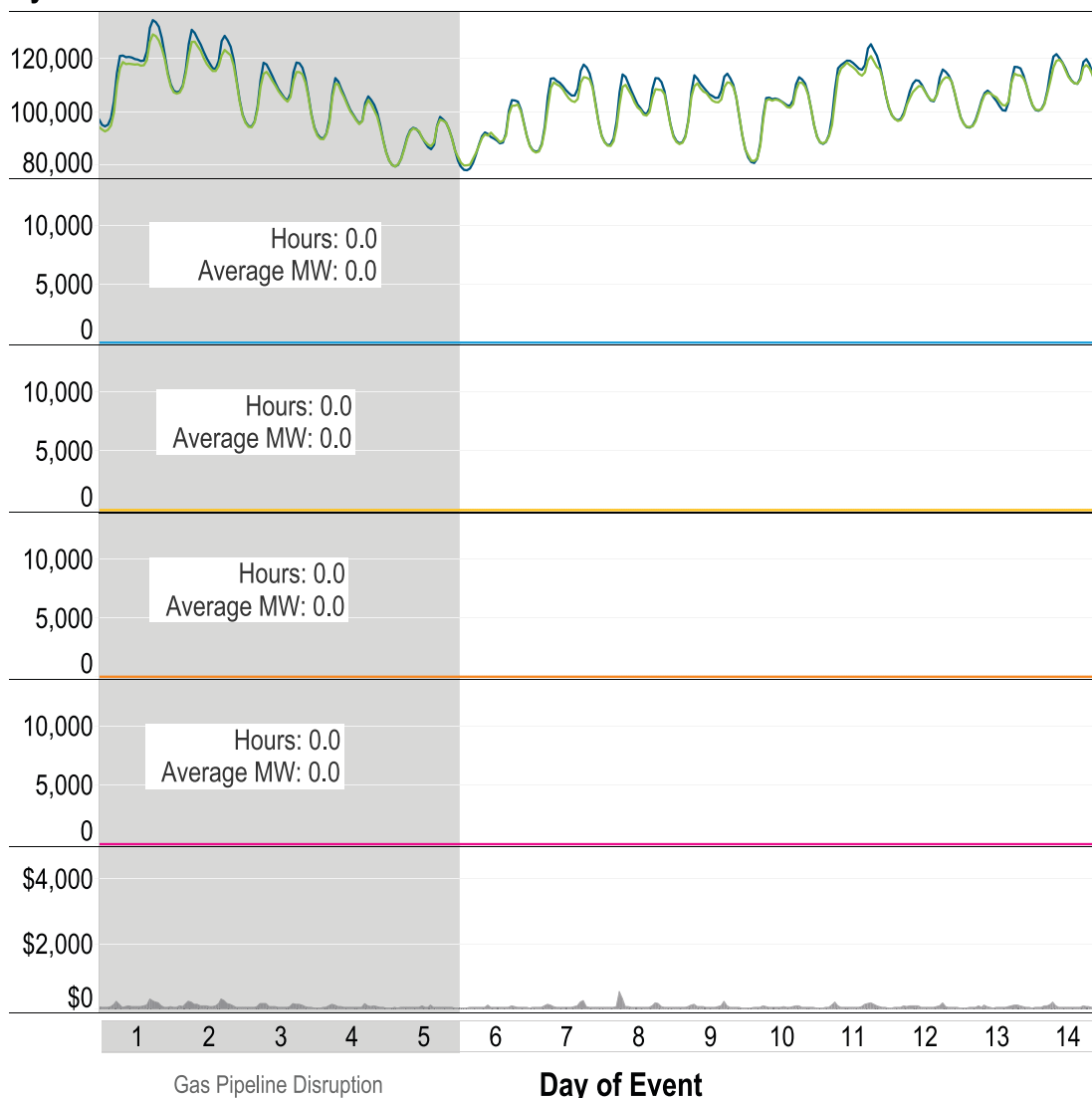
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

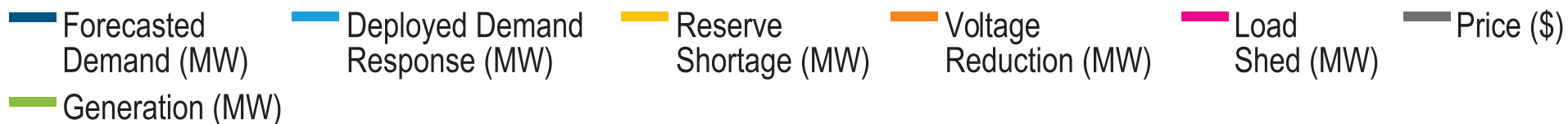
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



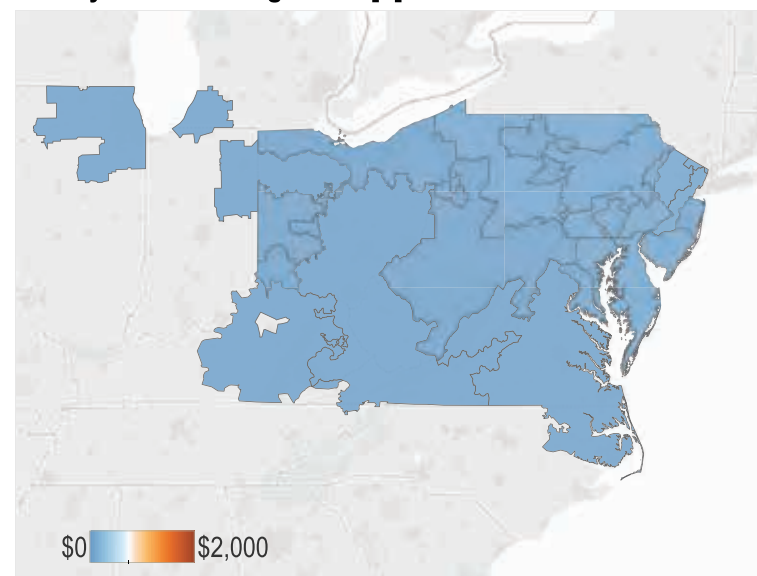
Legend



## Scenario: 143

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.04M

1	1	1	4	4	5	8	15	15	15	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

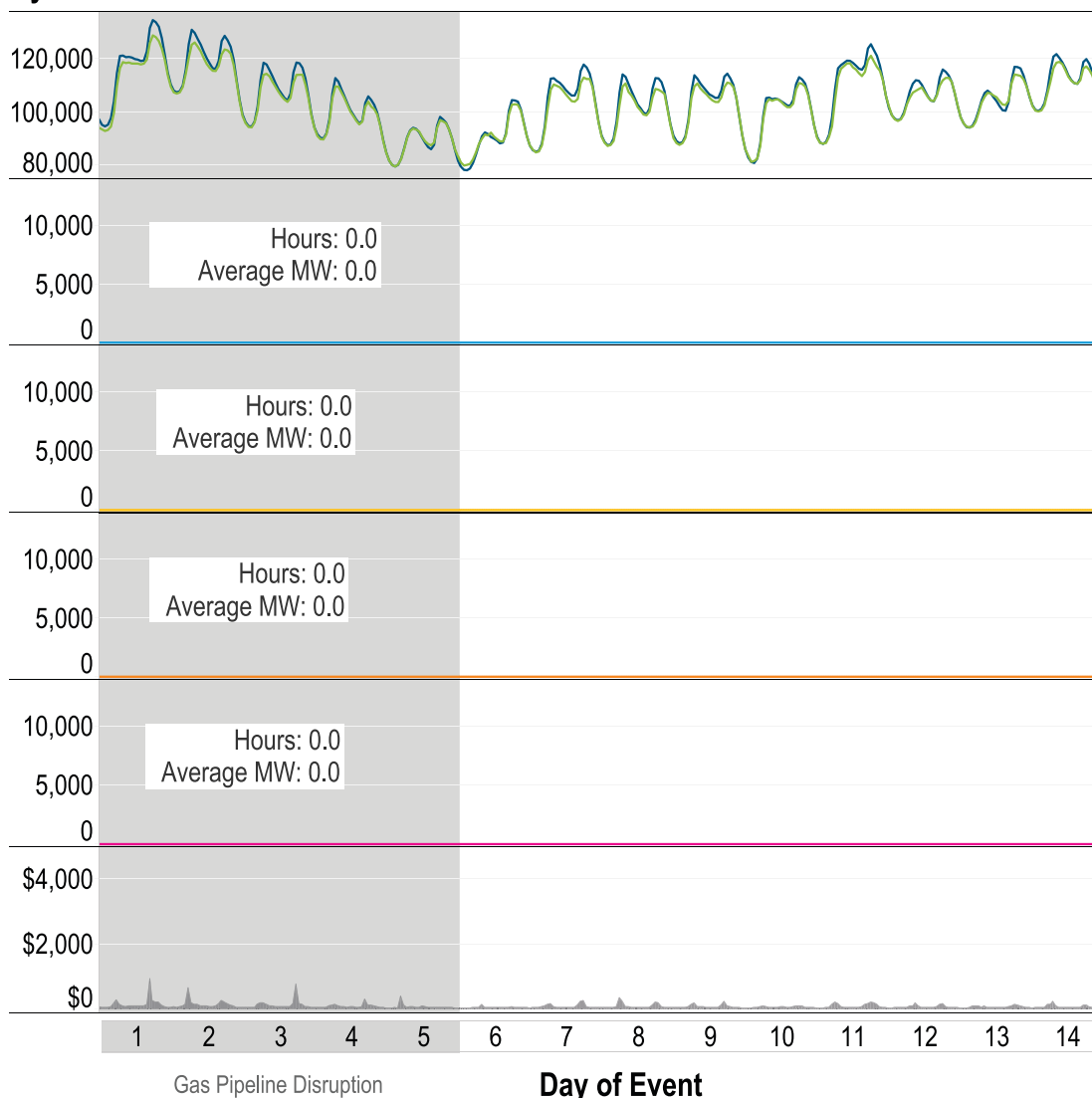
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



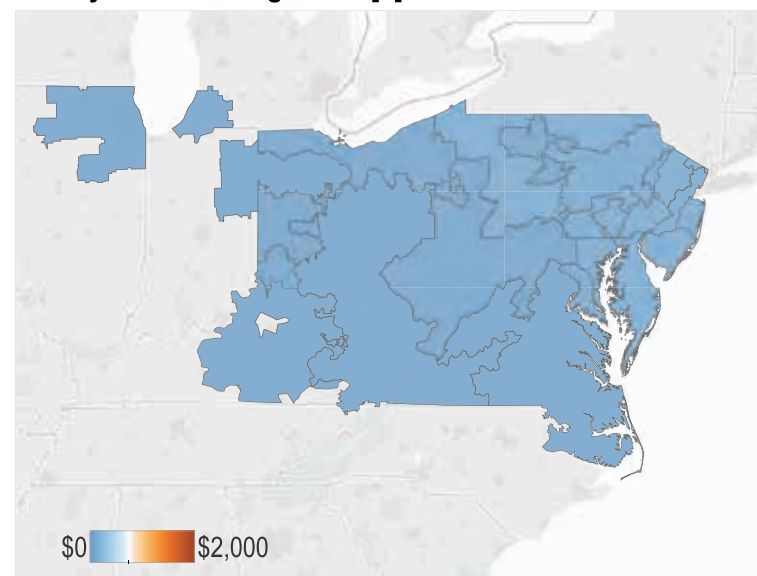
Legend



## Scenario: 144

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.22M

1	3	4	5	4	5	8	15	16	16	16	16	16	16
---	---	---	---	---	---	---	----	----	----	----	----	----	----

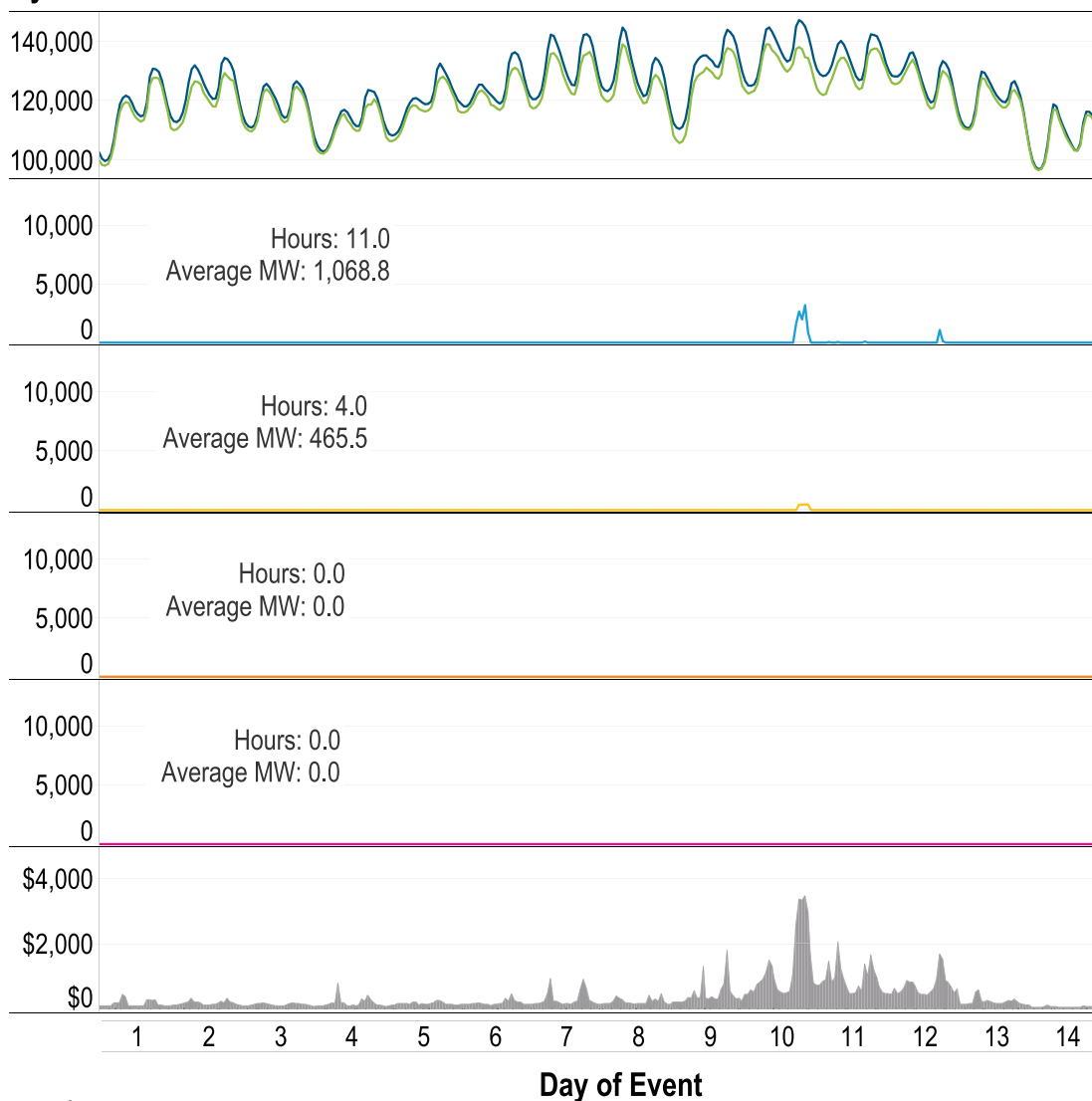
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

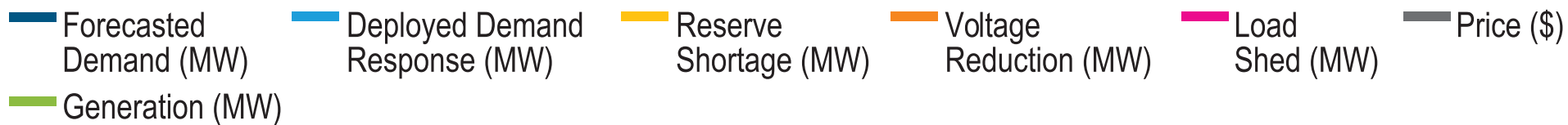
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



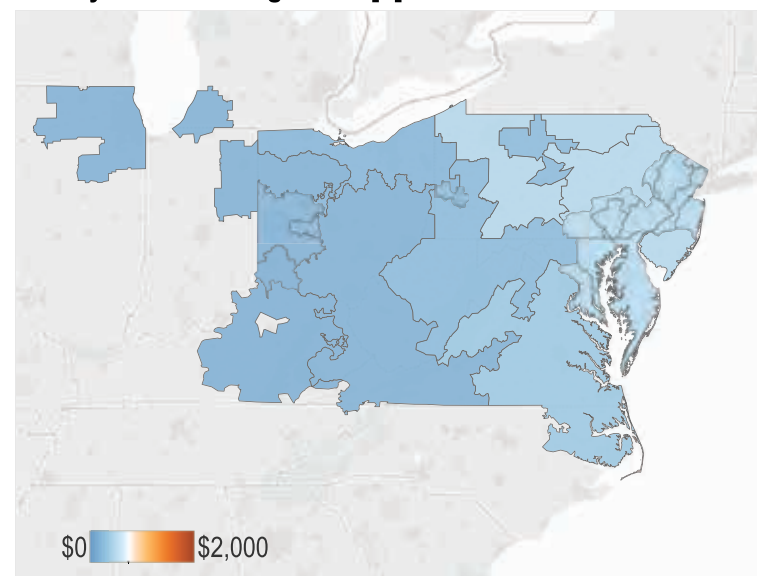
Legend



## Scenario: 145

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.86M

0	1	0	0	1	2	2	3	8	12	18	21	10	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

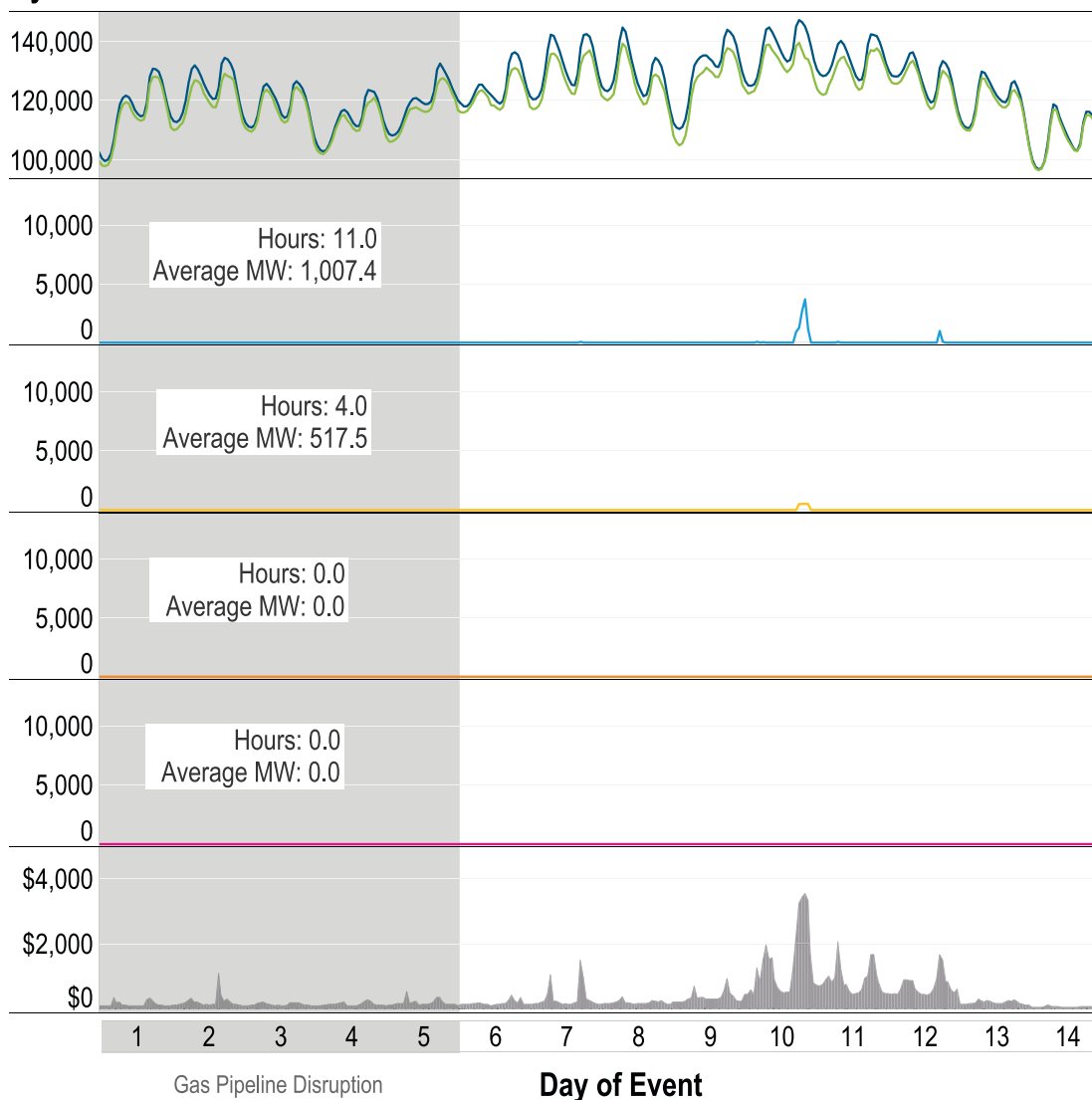
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

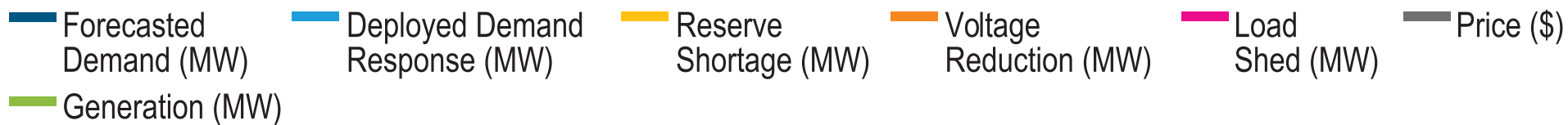
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



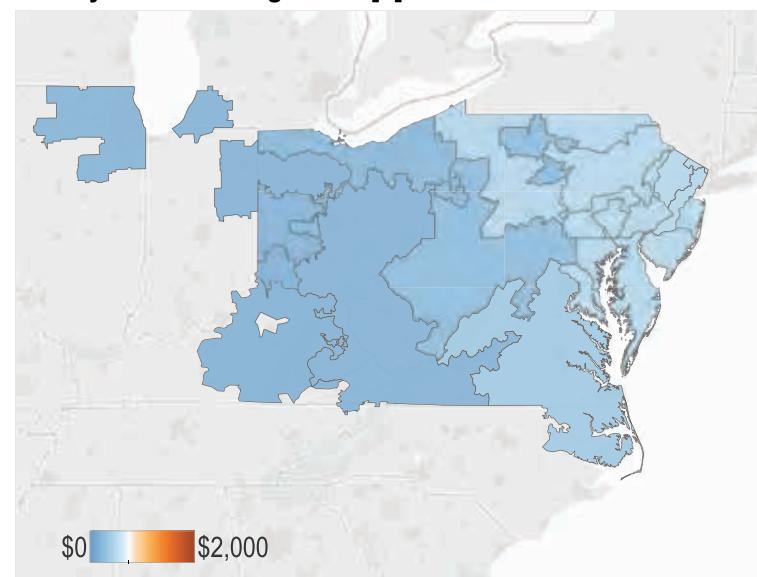
Legend



## Scenario: 146

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.91M

0	1	0	0	1	2	2	3	7	11	18	22	10	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

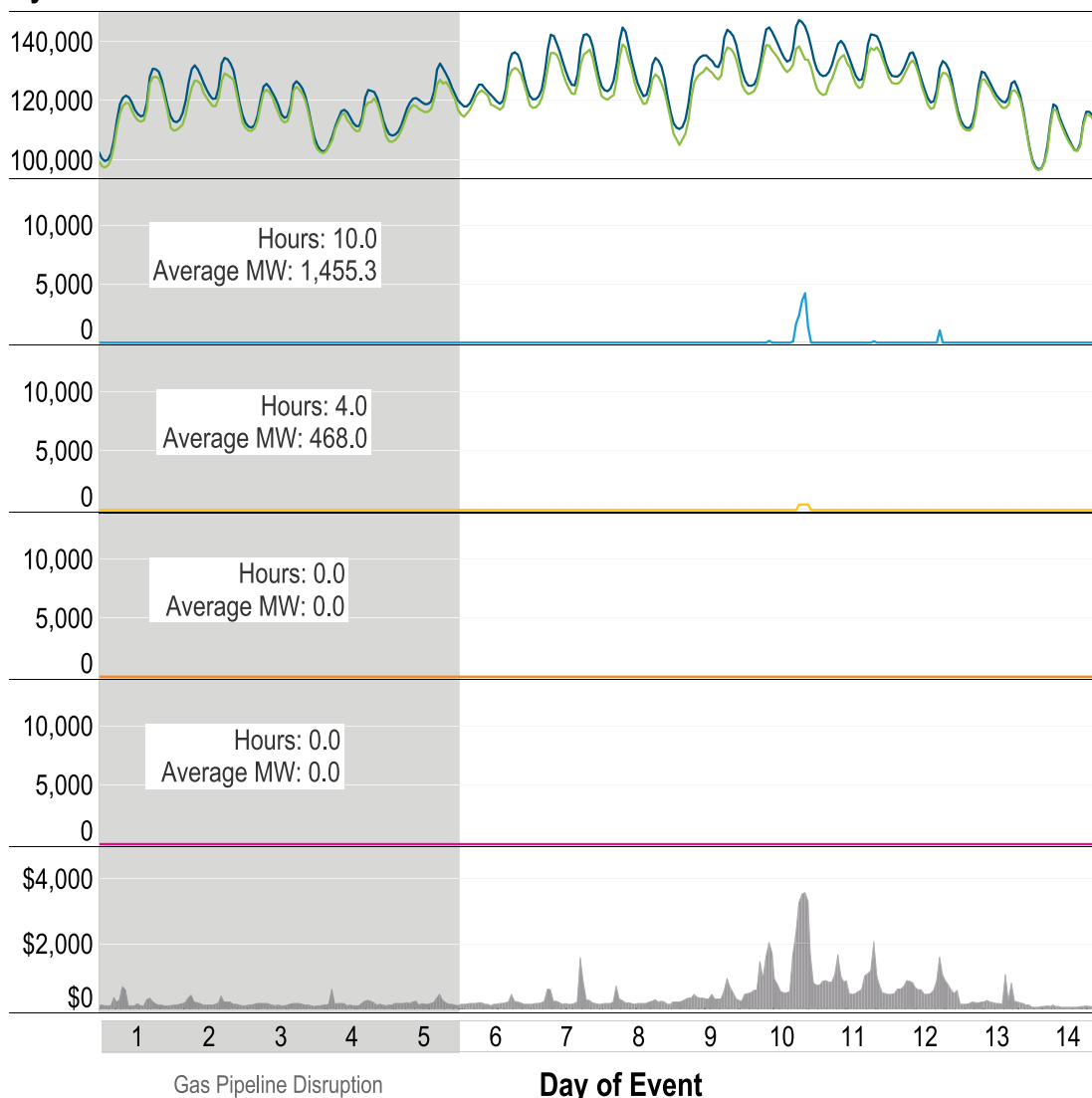
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



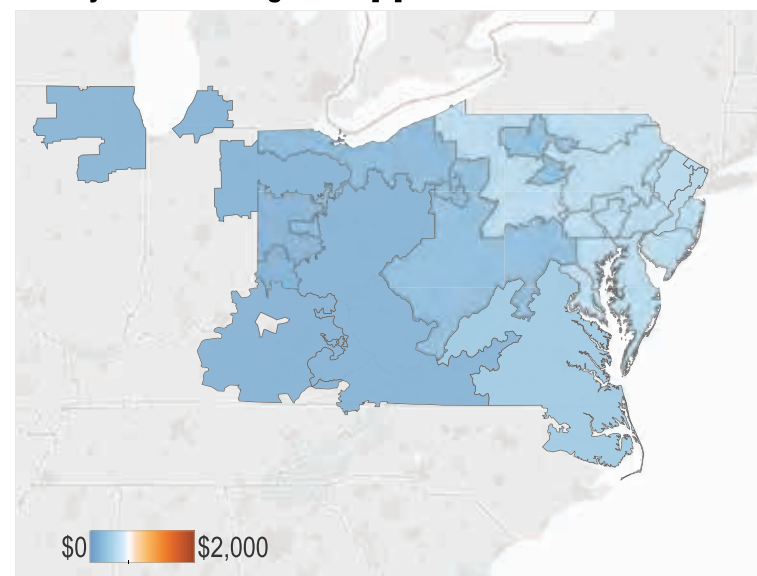
Legend



## Scenario: 147

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.05M

0	1	0	0	1	2	2	4	8	12	18	22	11	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

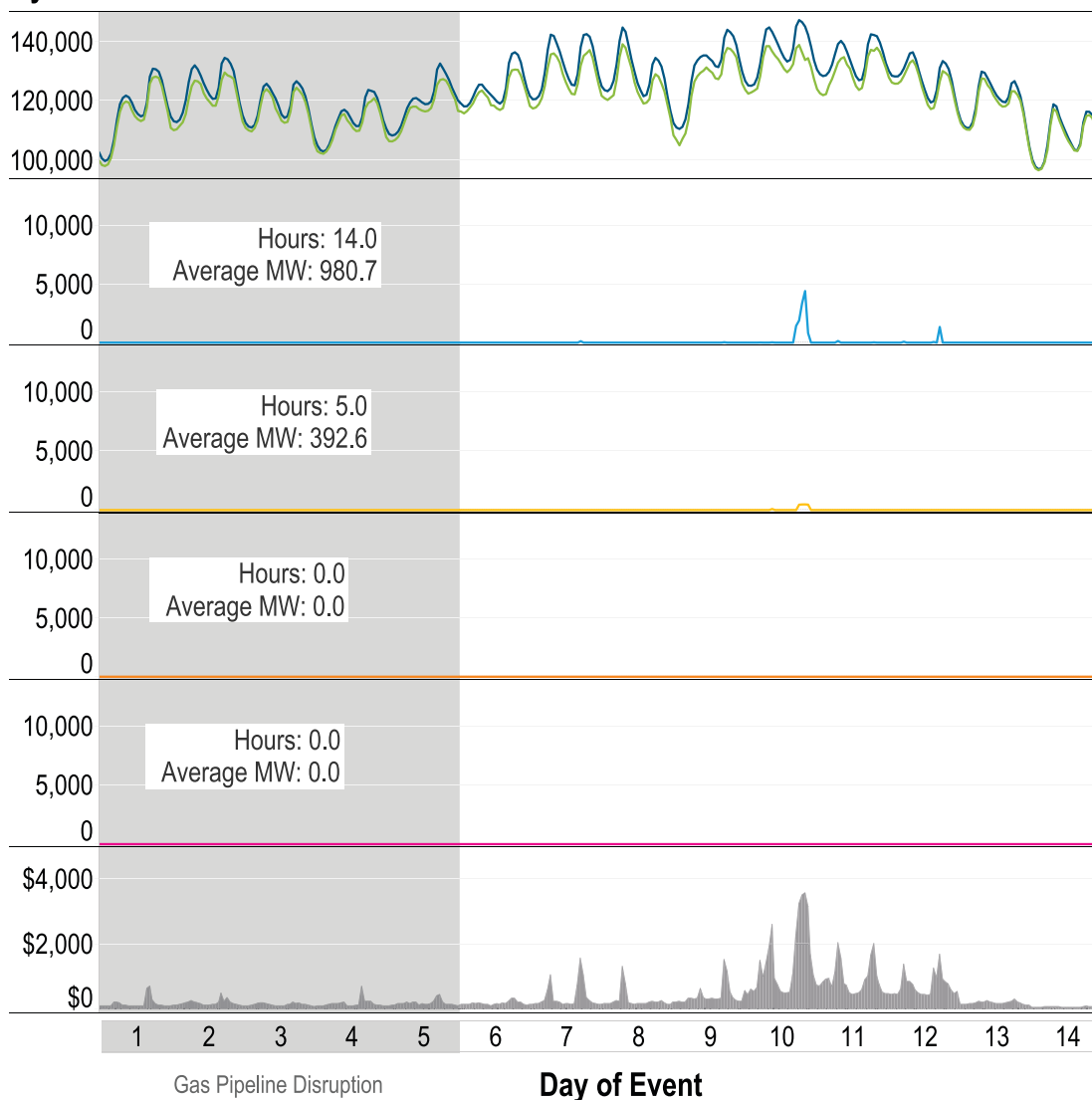
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



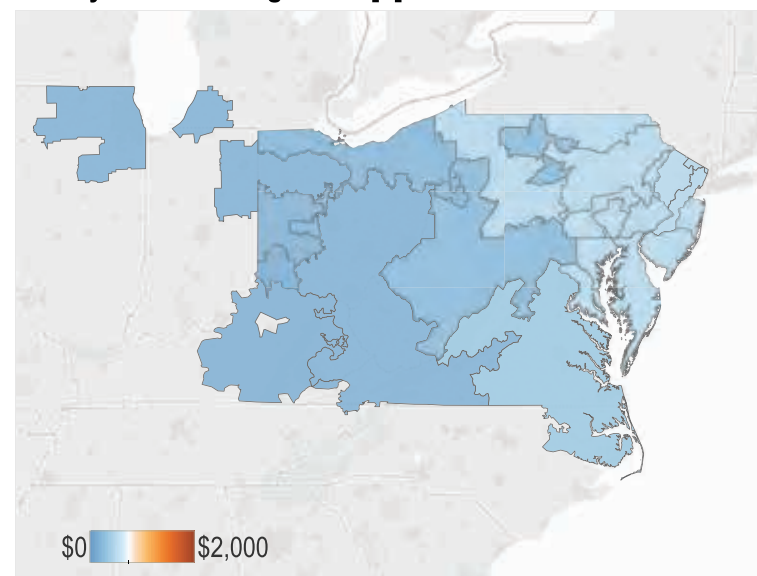
Legend



## Scenario: 148

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.93M

0	0	0	0	1	2	2	3	8	11	18	22	9	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

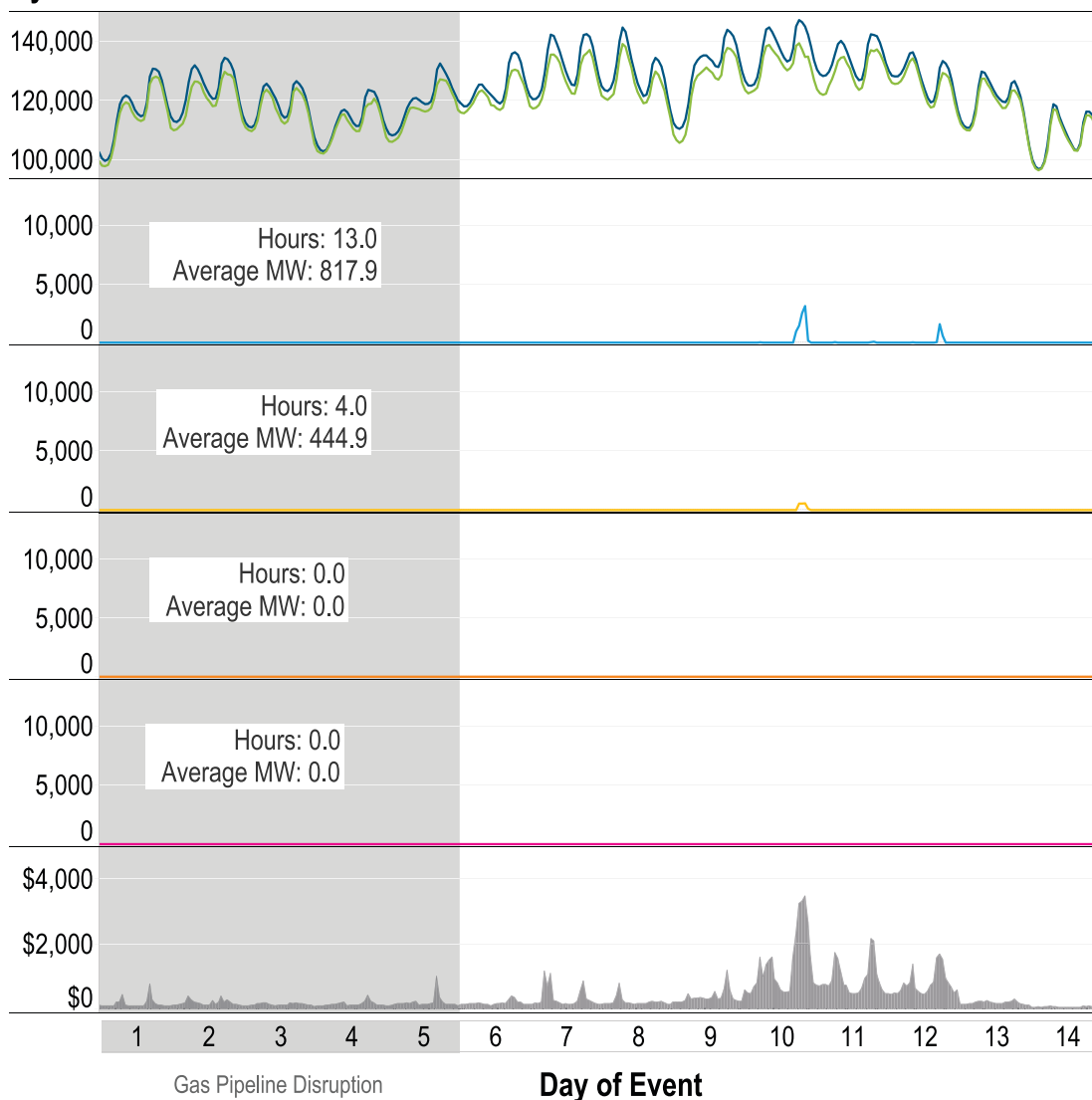
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



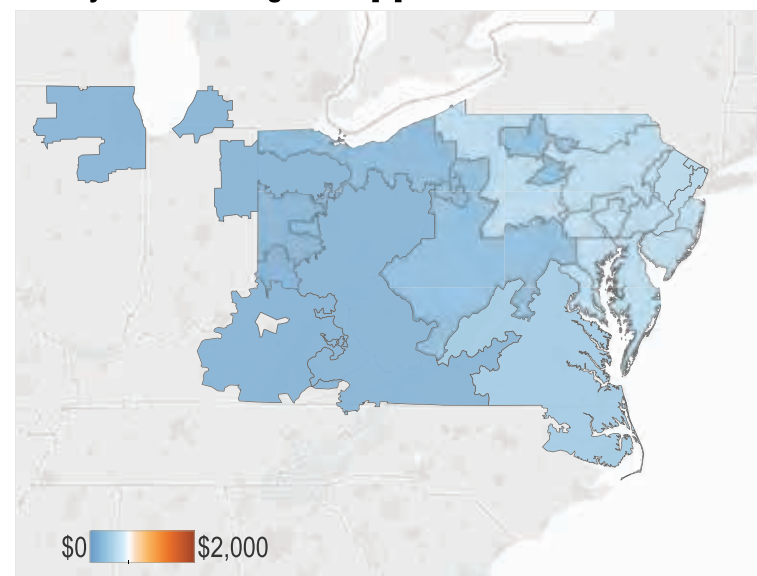
Legend



## Scenario: 149

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.01M

0	1	0	1	1	1	2	3	7	9	19	21	9	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

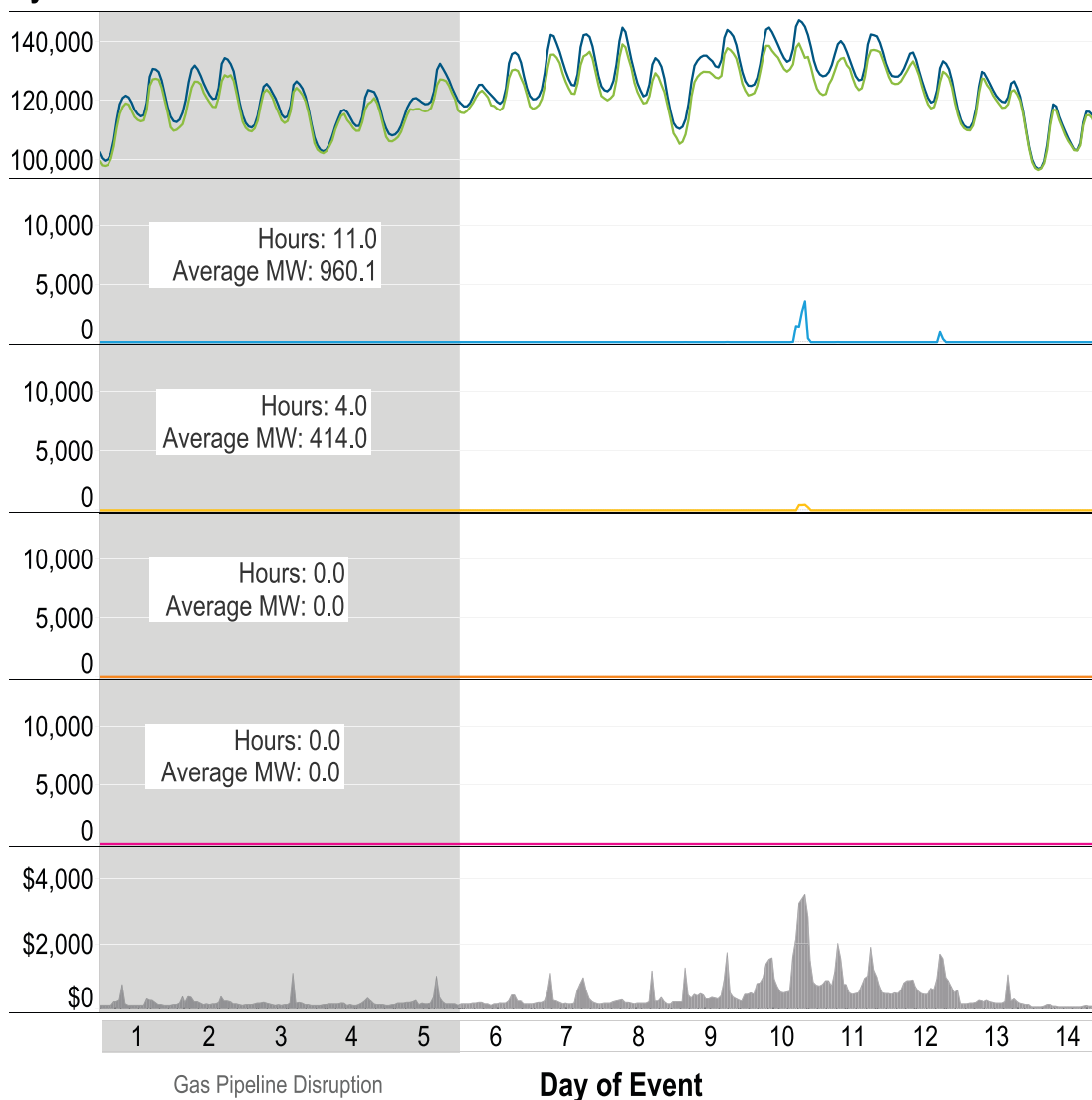
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



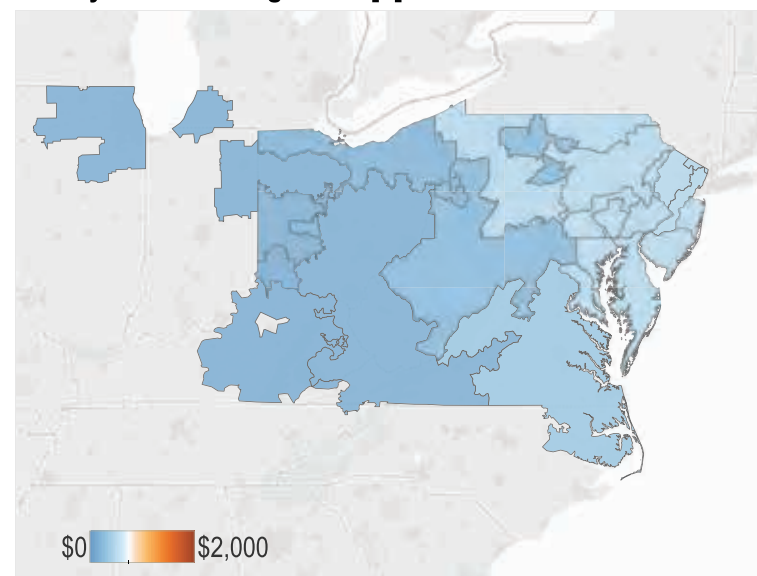
Legend



## Scenario: 150

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.87M

0	1	1	0	2	2	2	3	8	11	19	21	10	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

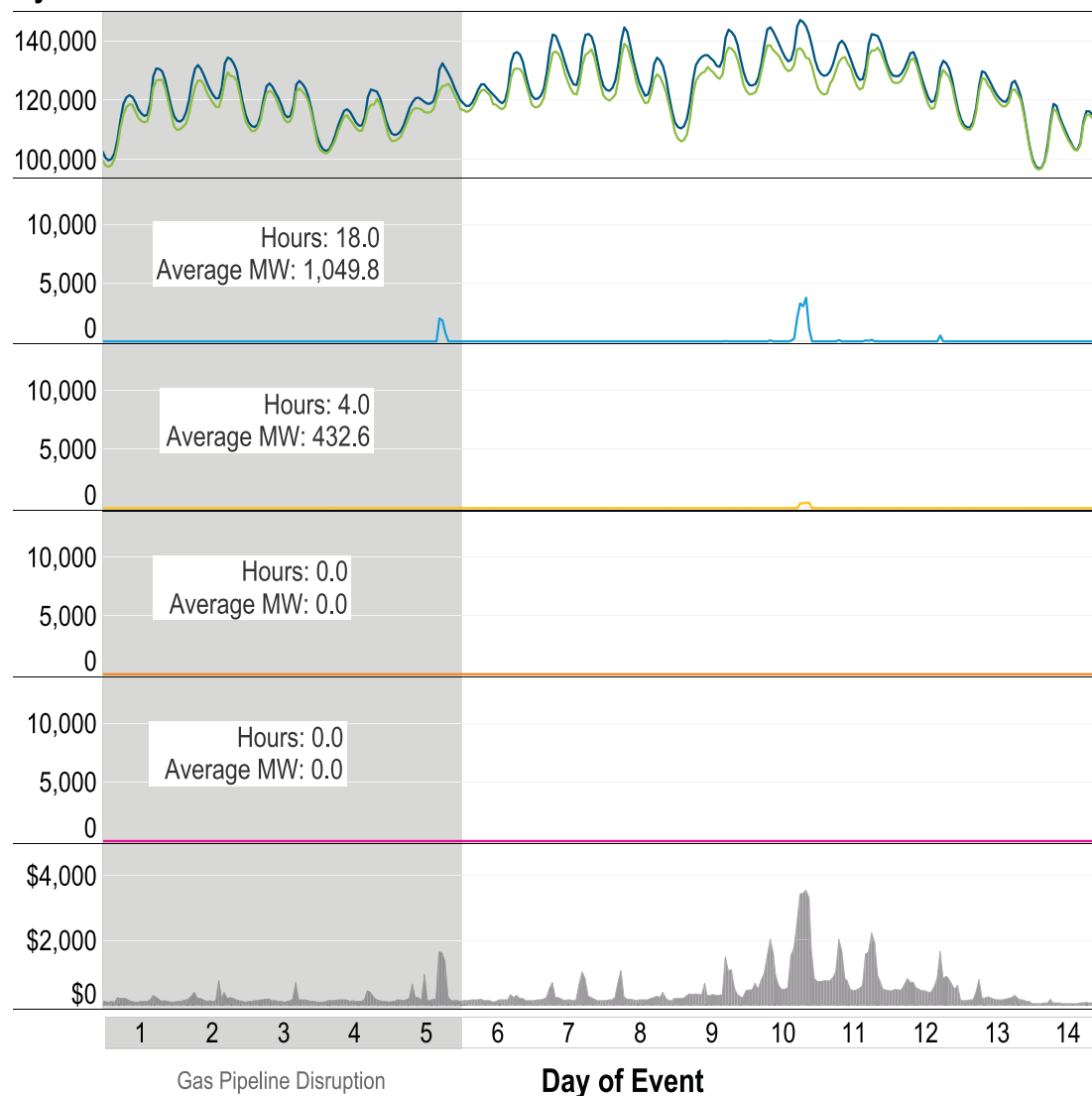
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



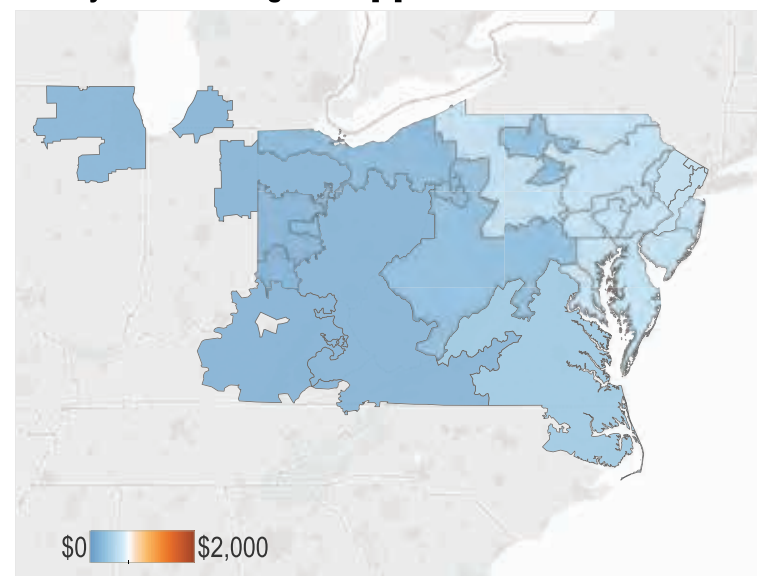
Legend



## Scenario: 151

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.44M

0	1	1	1	3	1	2	5	8	12	18	21	11	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

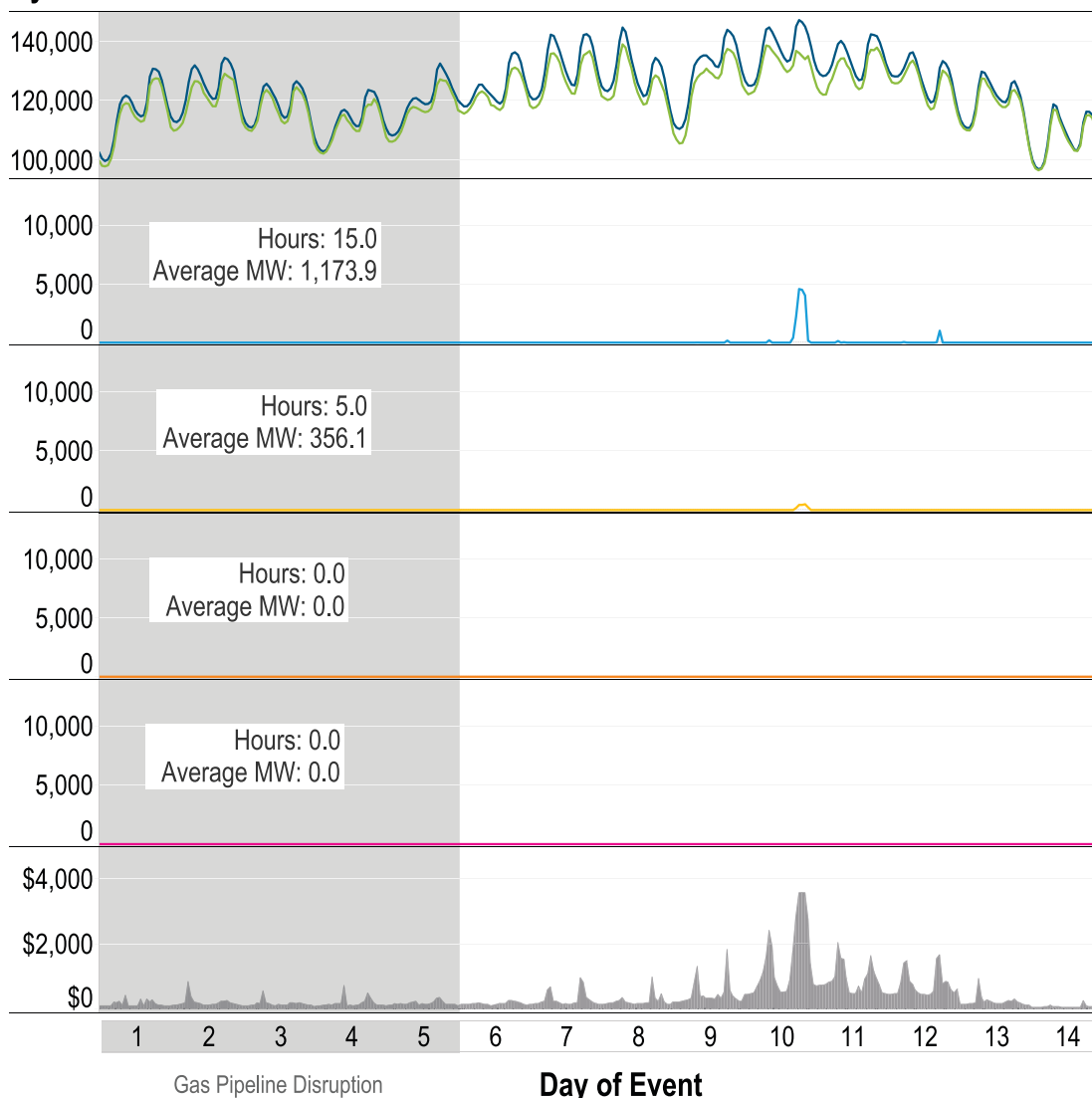
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



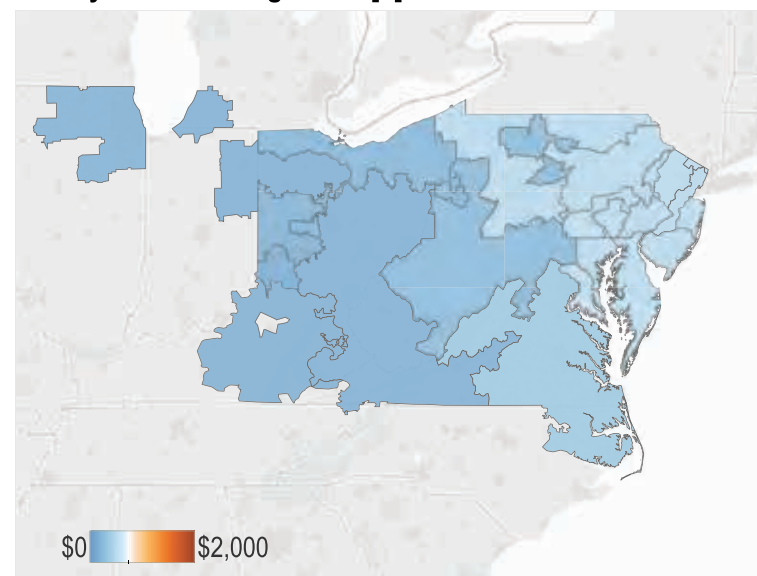
Legend



## Scenario: 152

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.83M

0	2	1	1	3	2	3	4	8	12	18	22	10	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

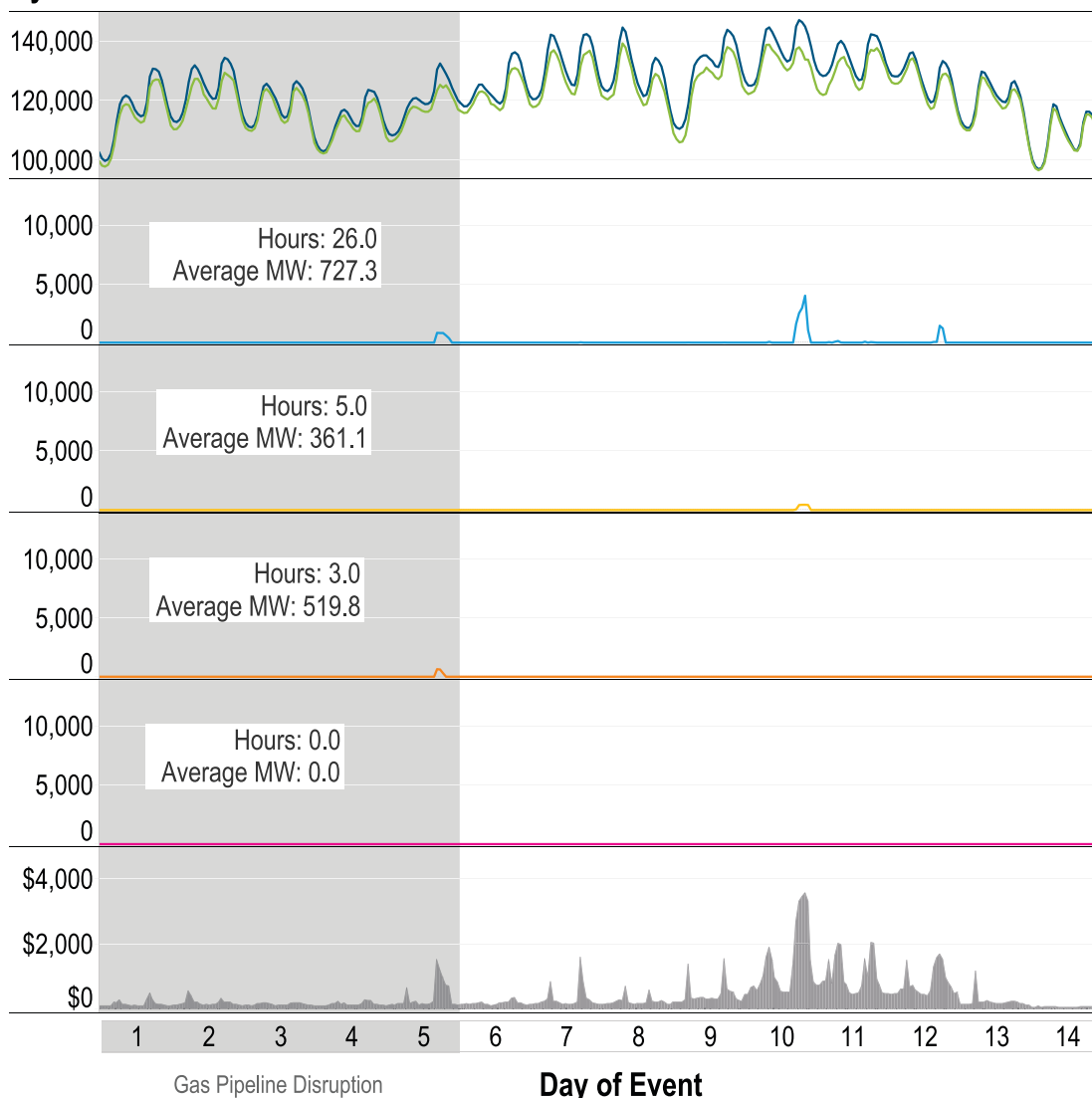
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



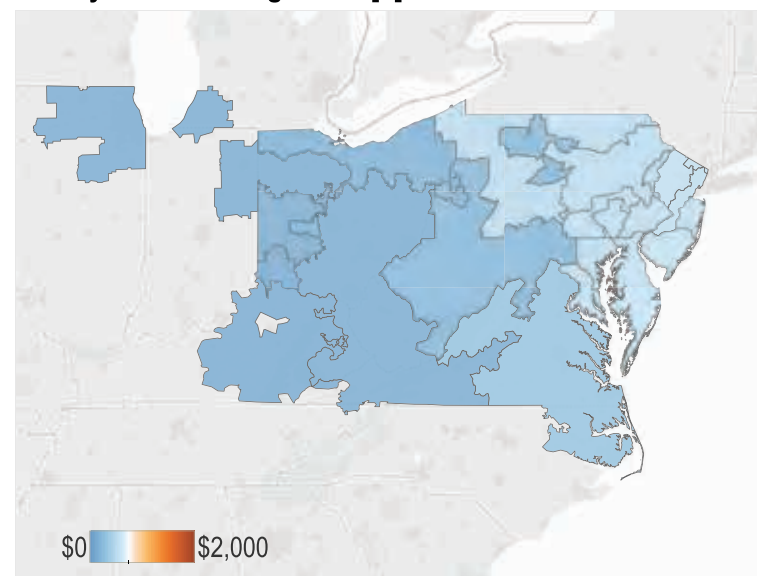
Legend



## Scenario: 153

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.31M

0	2	2	1	3	3	4	4	8	12	18	21	11	0
---	---	---	---	---	---	---	---	---	----	----	----	----	---

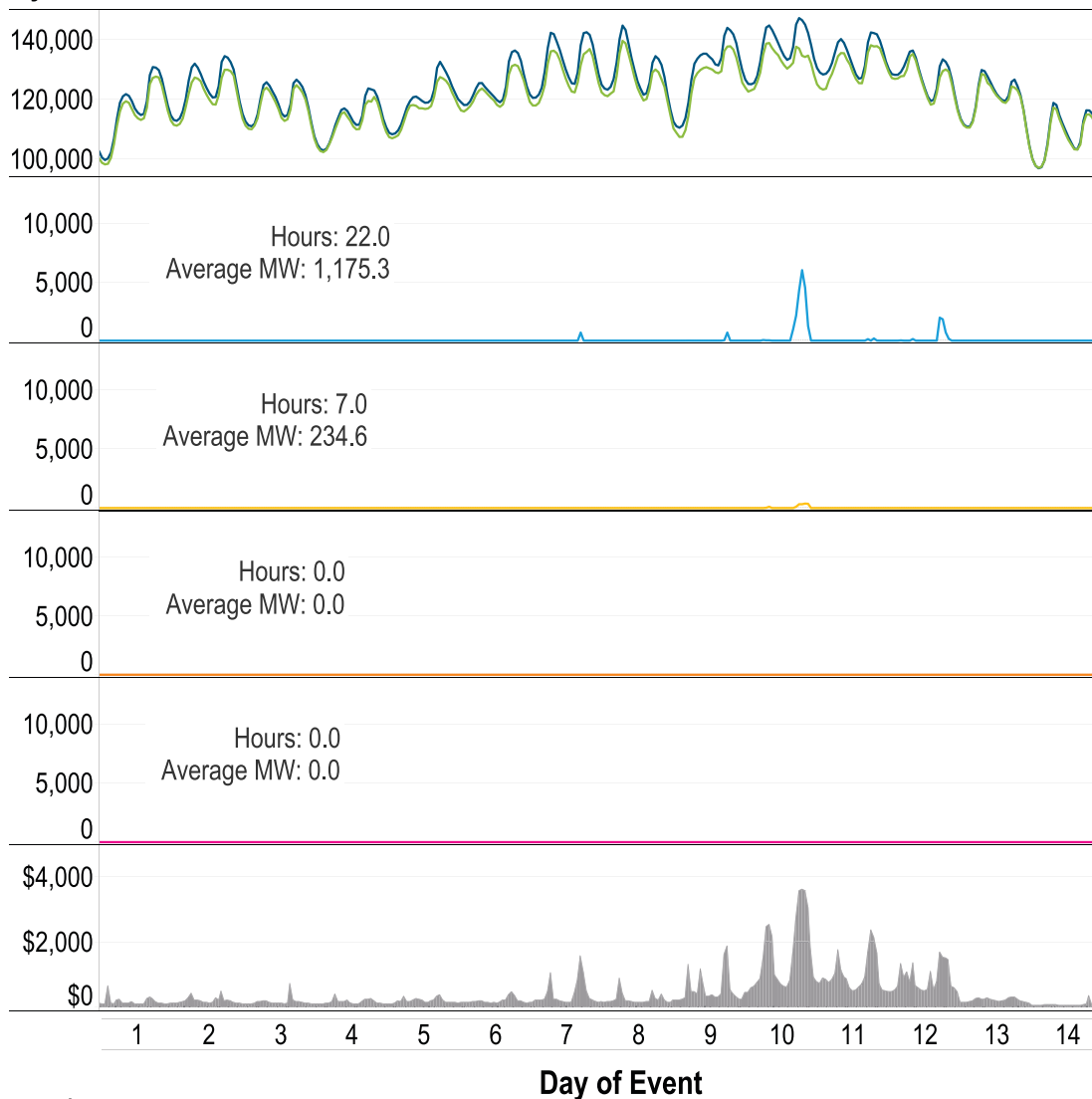
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

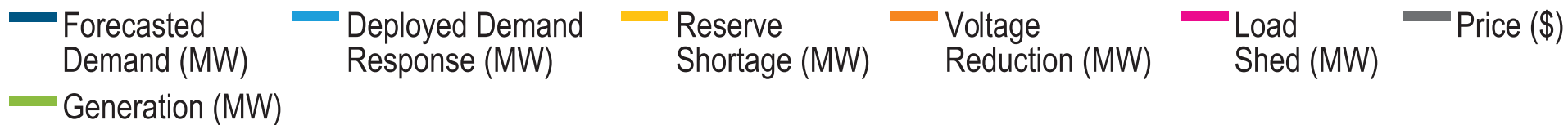
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



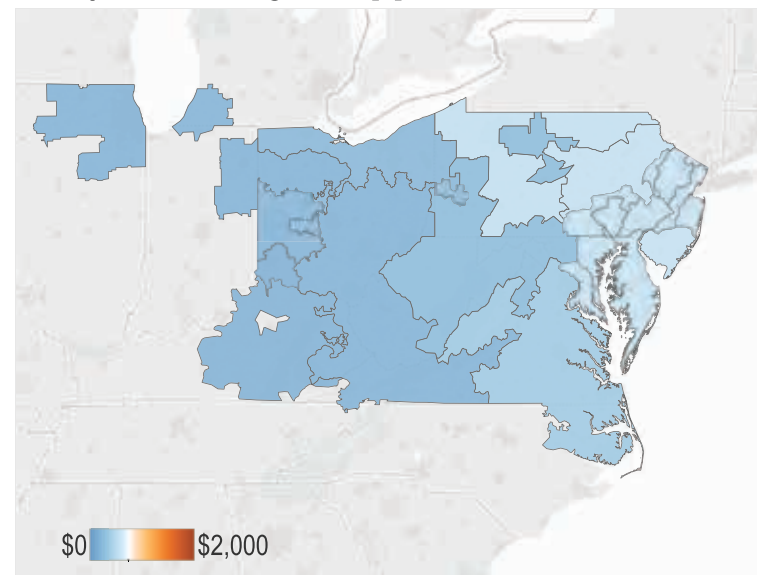
Legend



## Scenario: 154

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.76M

1	4	5	9	10	12	24	37	51	62	79	86	86	76
---	---	---	---	----	----	----	----	----	----	----	----	----	----

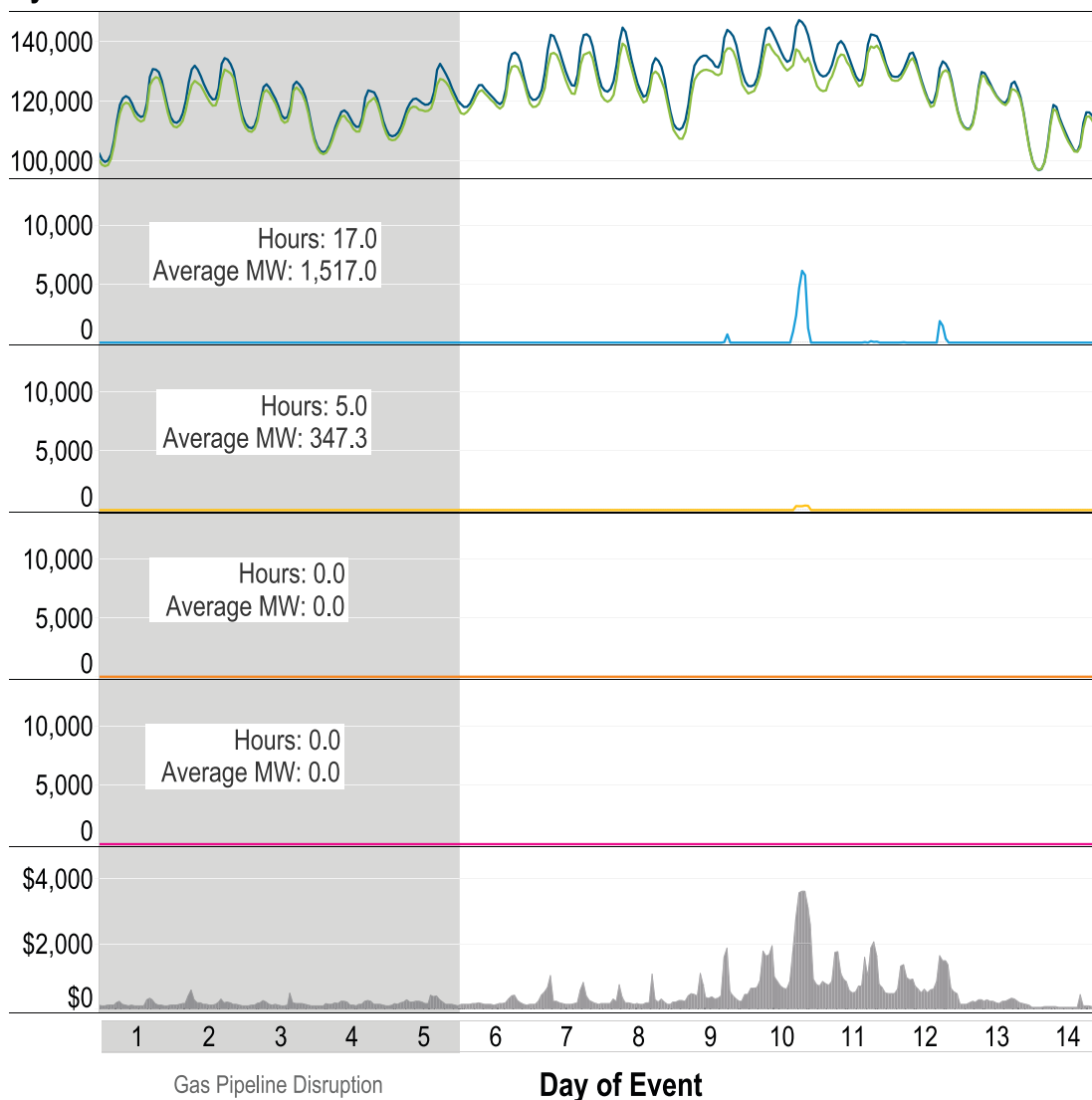
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



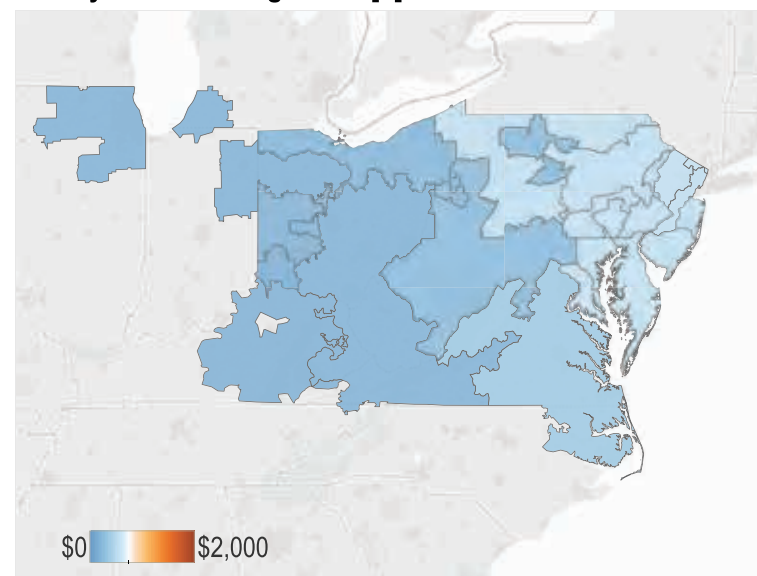
Legend



## Scenario: 155

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.86M

1 4 5 10 11 13 23 38 52 60 77 84 85 75

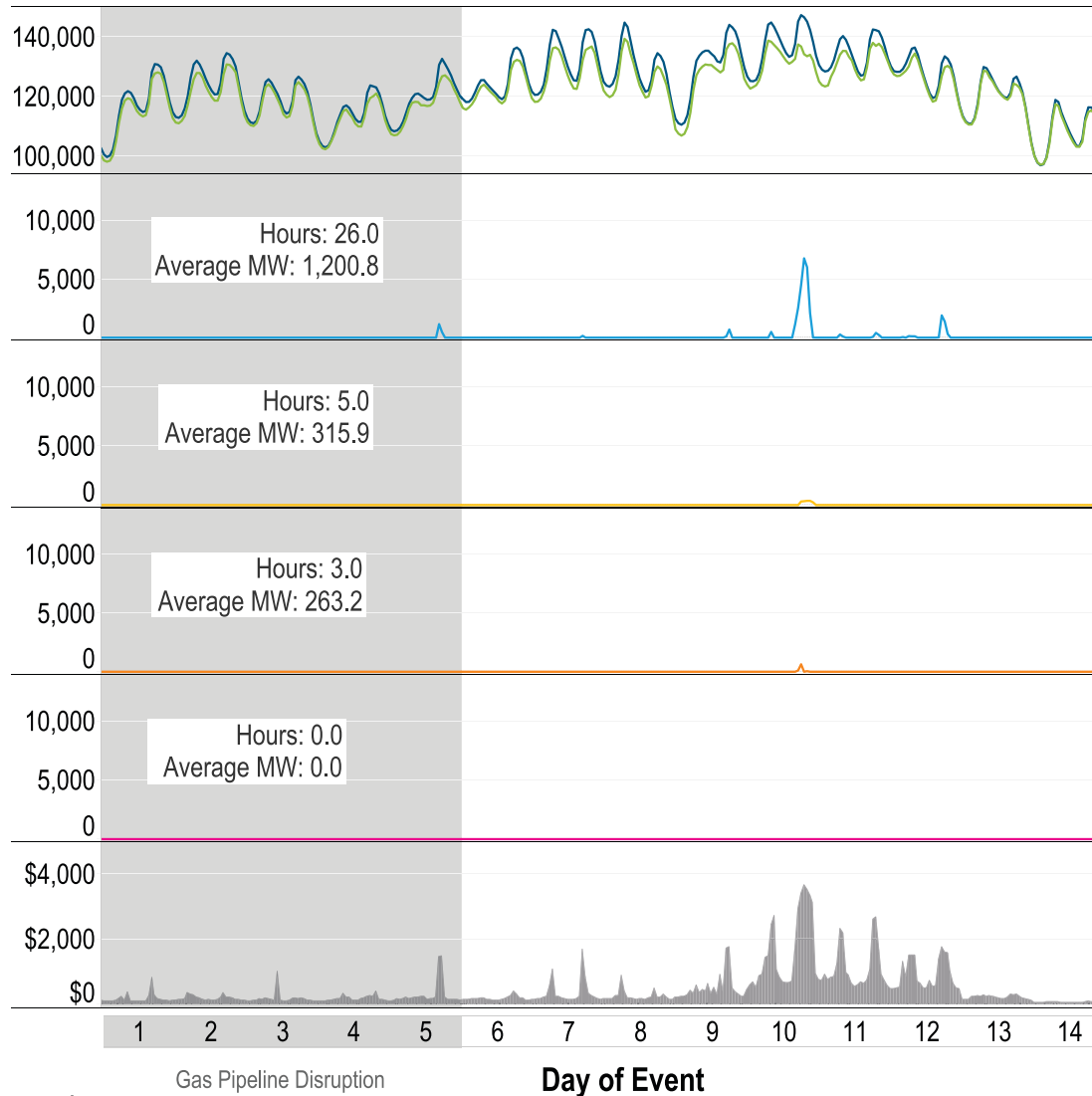
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

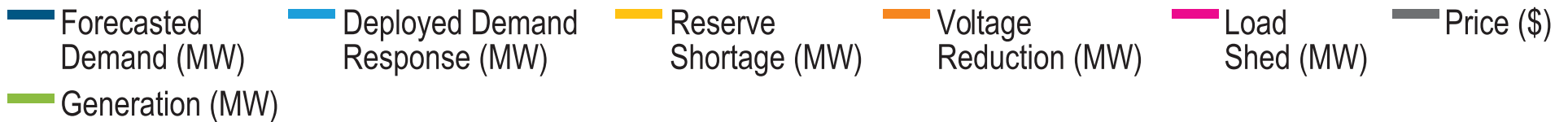
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



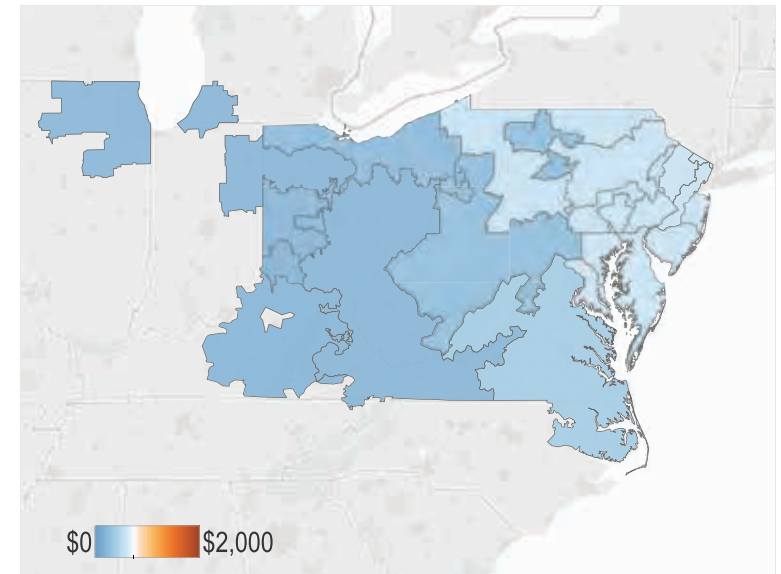
Legend



## Scenario: 156

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.92M

1 4 5 10 13 14 22 38 49 60 78 85 85 75

1 2 3 4 5 6 7 8 9 10 11 12 13 14

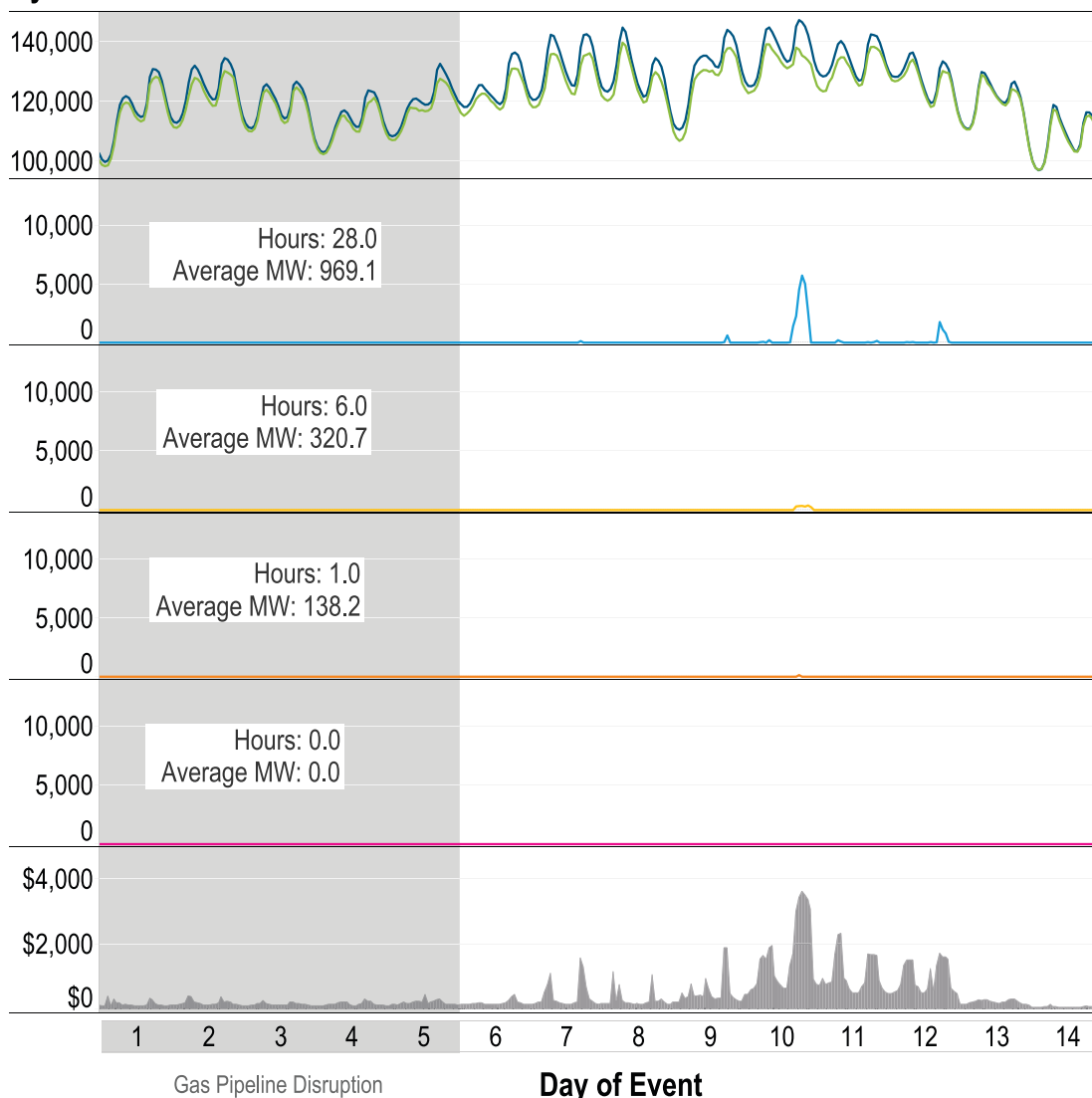
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



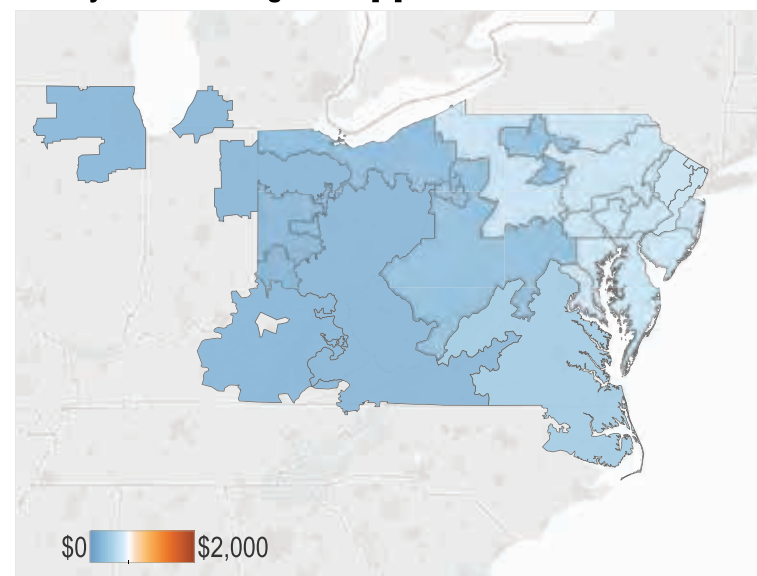
Legend



## Scenario: 157

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.84M

1 3 4 8 10 13 21 40 52 60 79 85 86 76

1 2 3 4 5 6 7 8 9 10 11 12 13 14

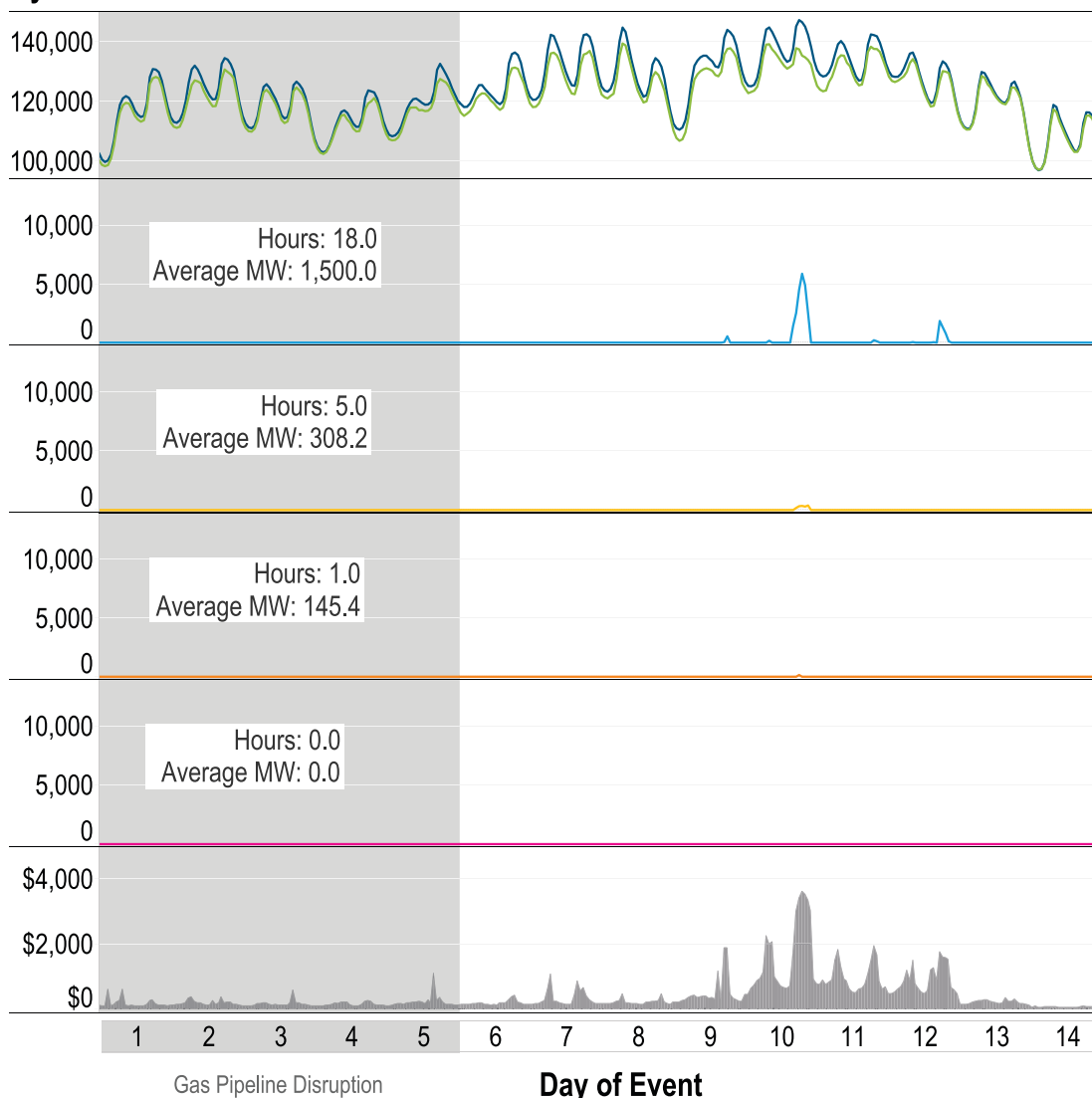
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



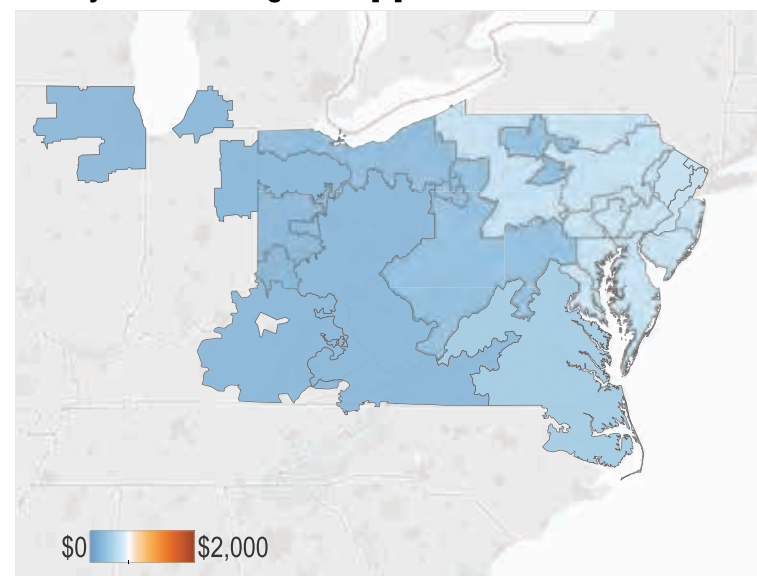
Legend



## Scenario: 158

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.95M

1 4 5 10 12 13 25 39 52 60 81 85 85 75

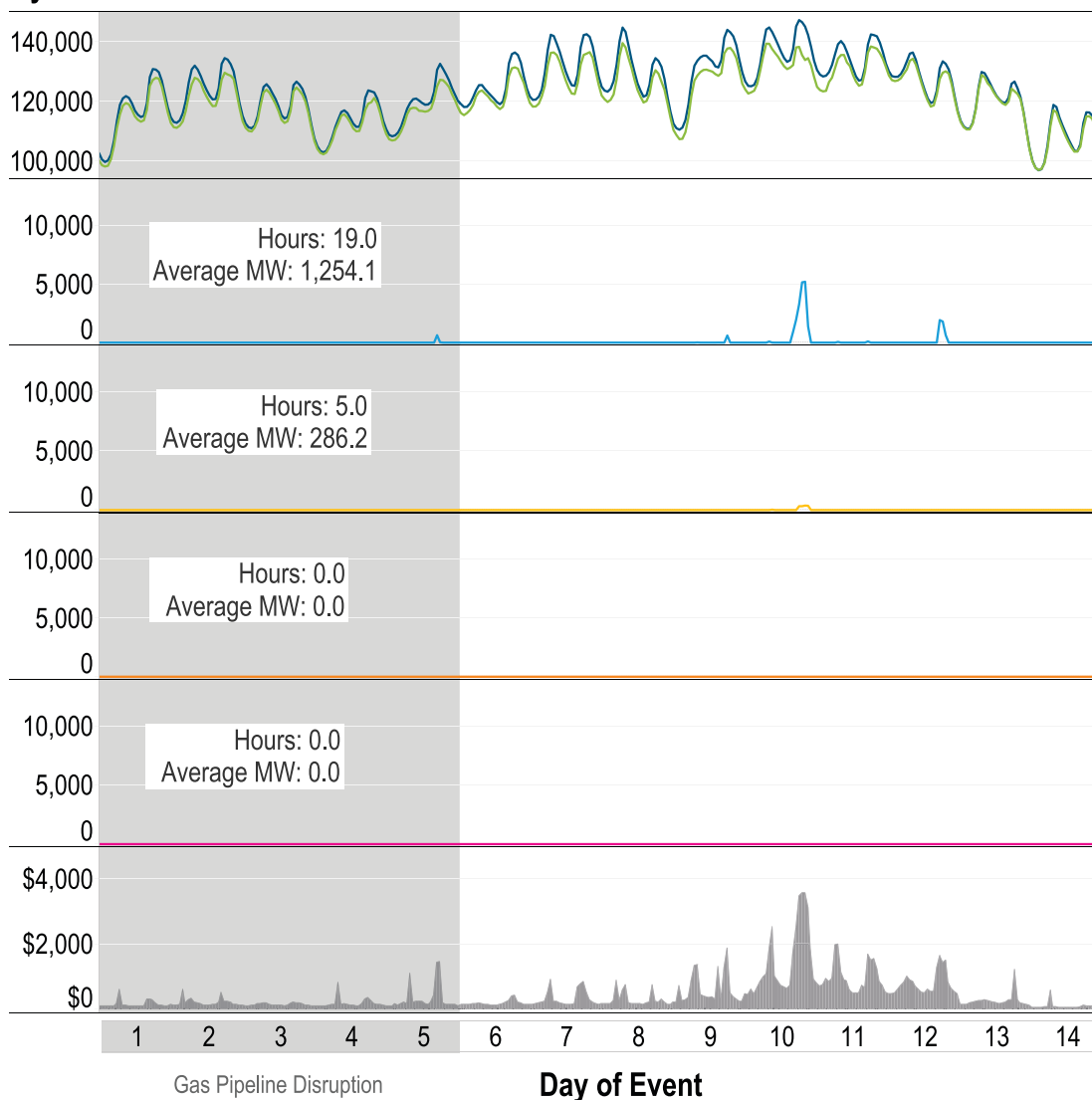
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



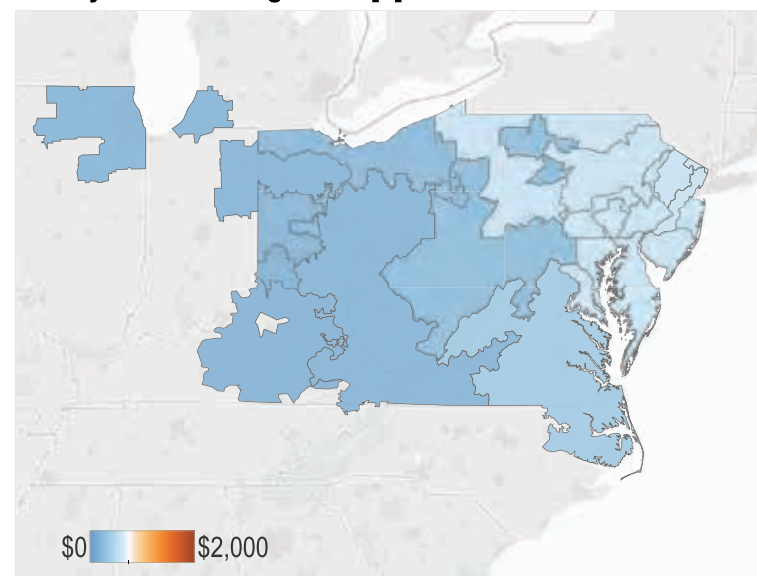
Legend



## Scenario: 159

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.89M

1 4 7 12 14 18 30 42 53 63 80 86 87 77

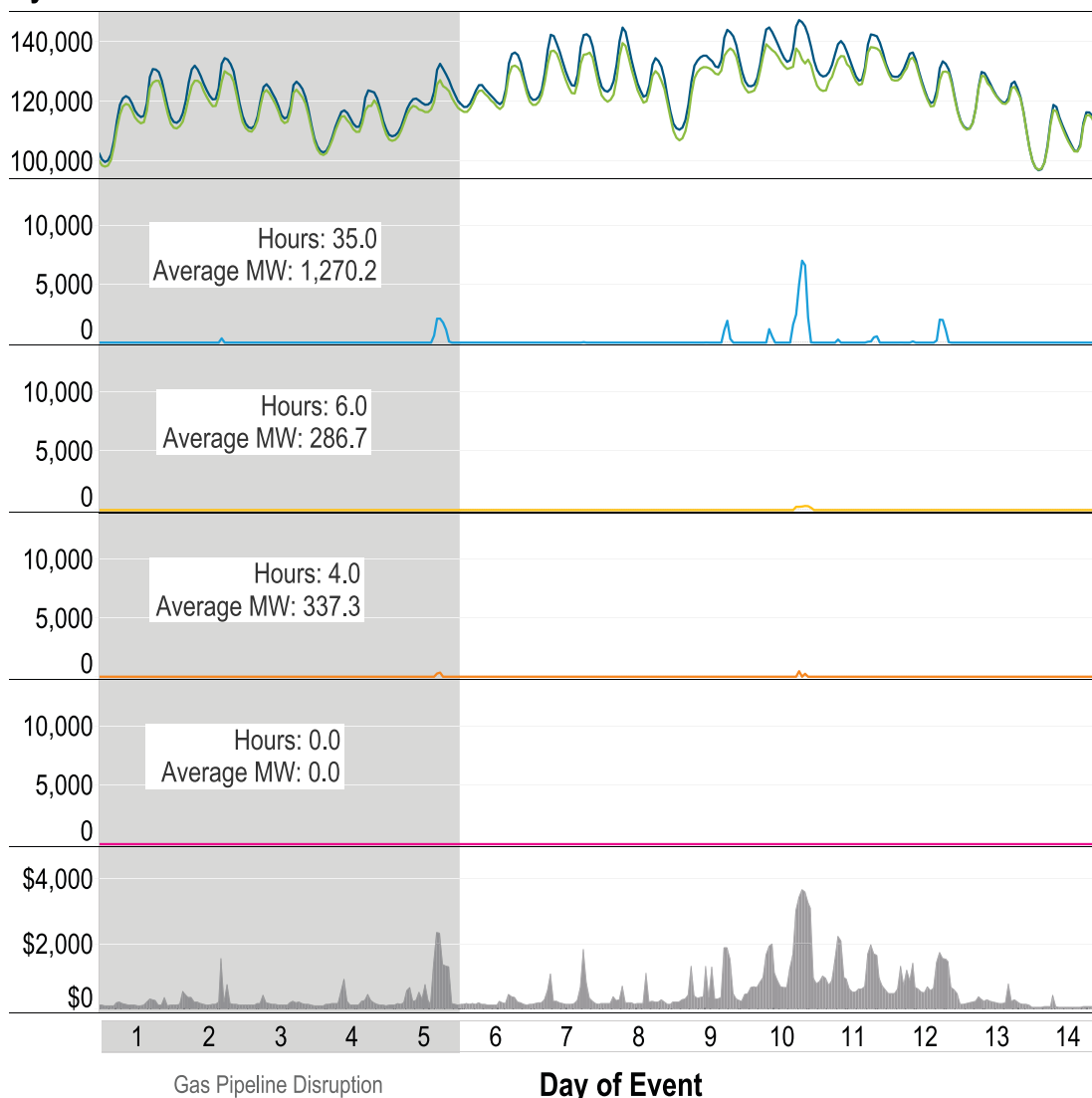
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



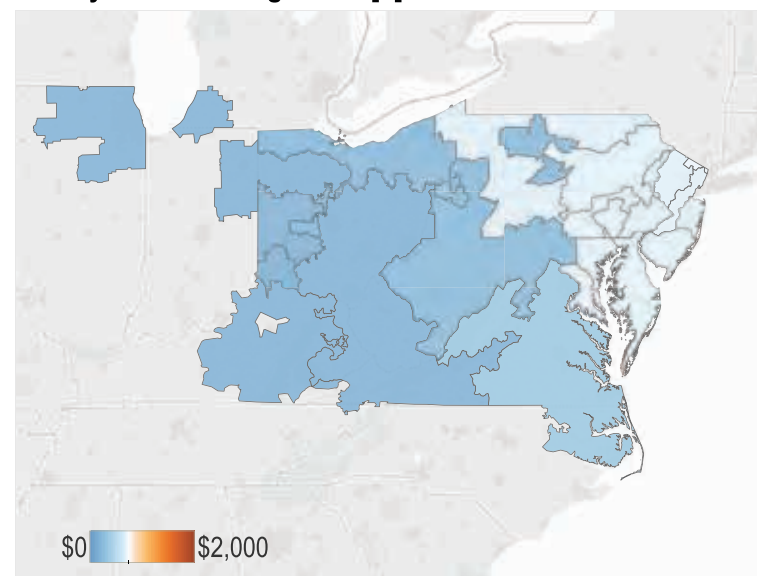
Legend



## Scenario: 160

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.34M

1 6 12 15 25 27 42 55 59 67 85 87 85 75

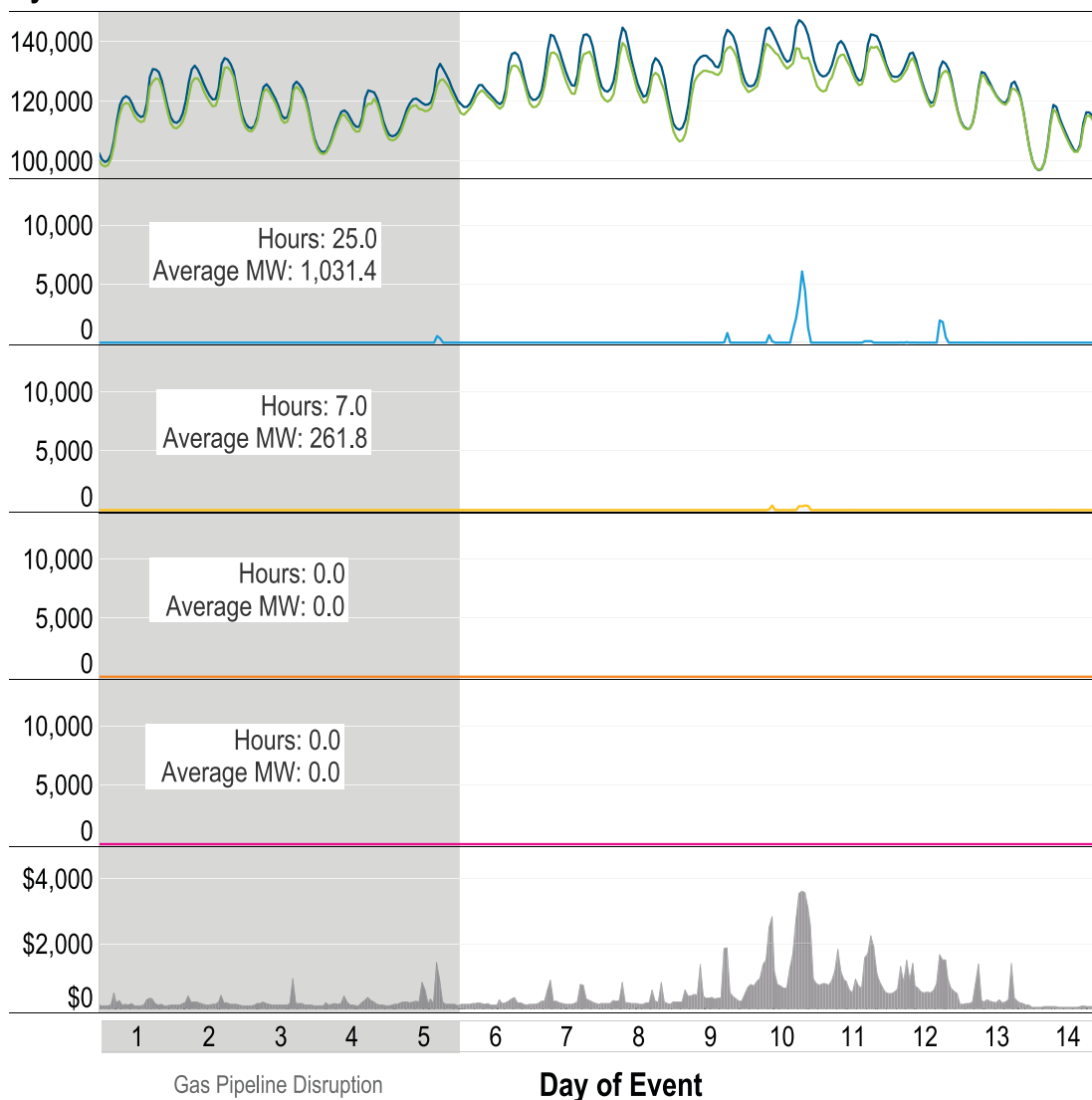
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

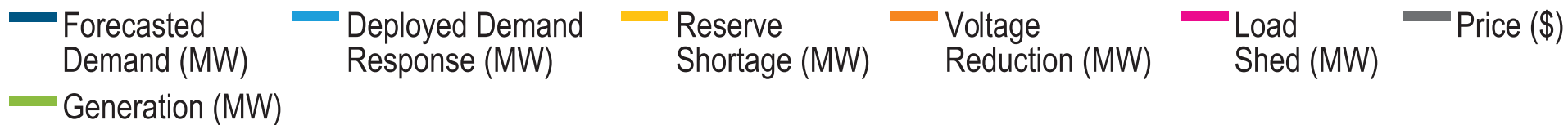
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



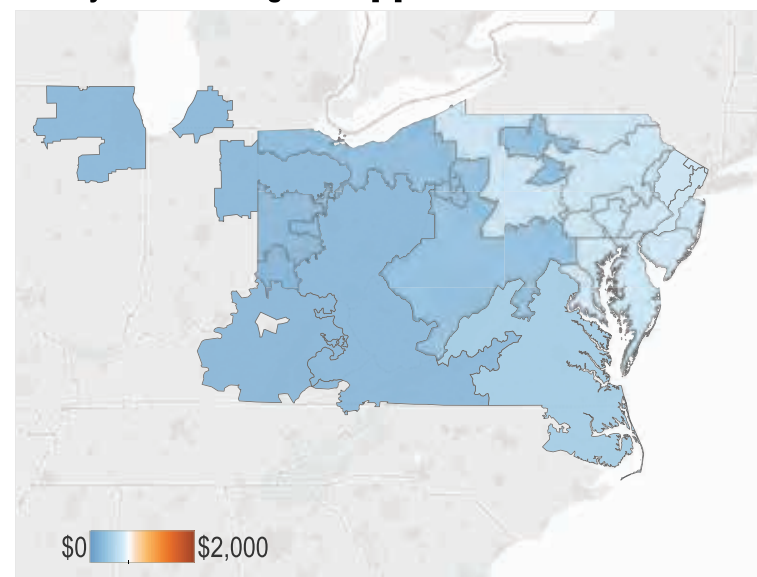
Legend



## Scenario: 161

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.94M

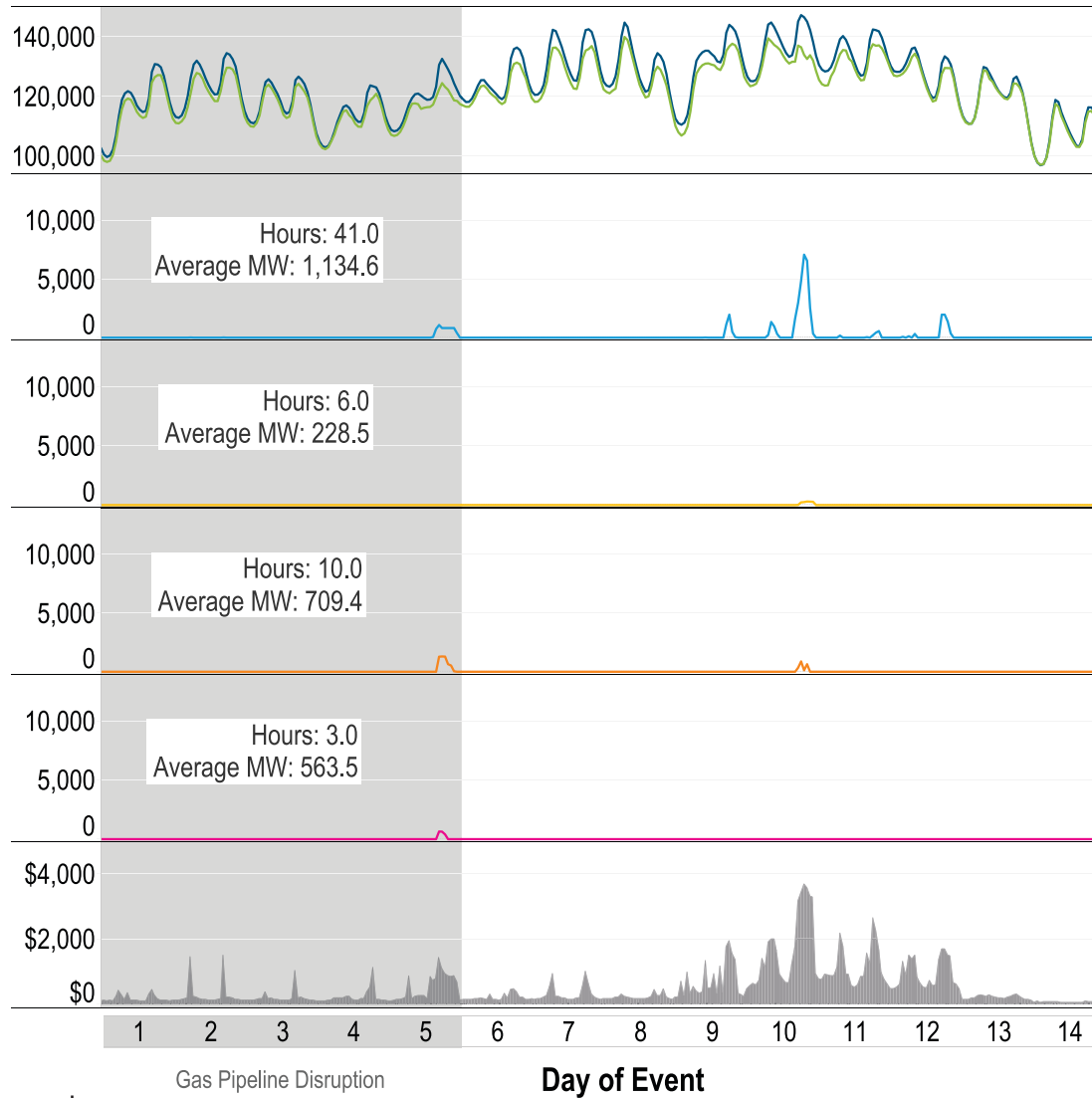


\*141 Total Sites

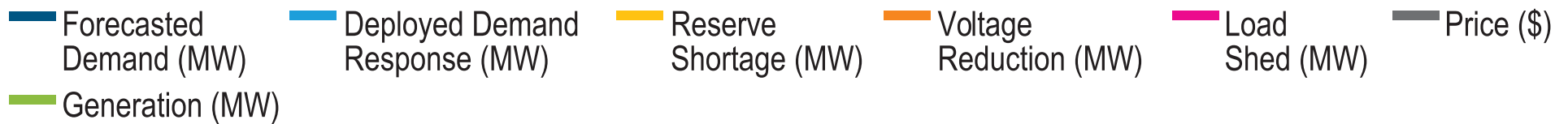
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



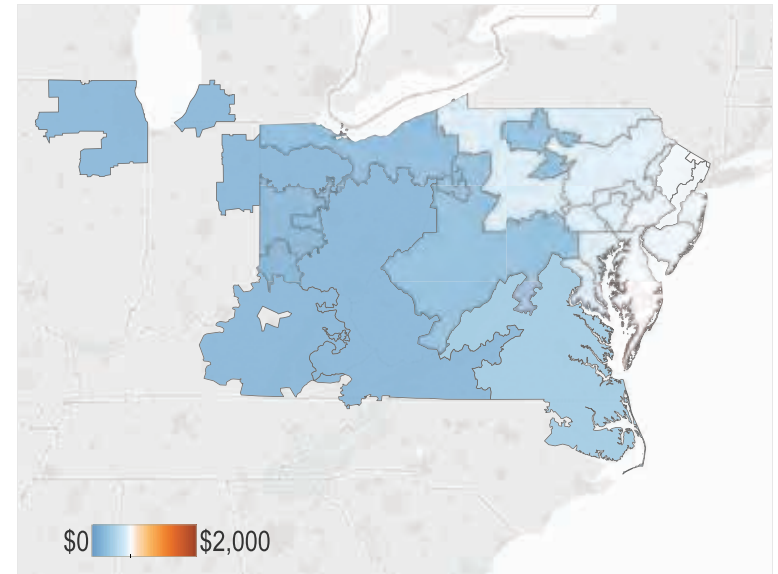
Legend



## Scenario: 162

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.25M

1 5 8 13 19 22 38 54 61 68 87 88 87 76

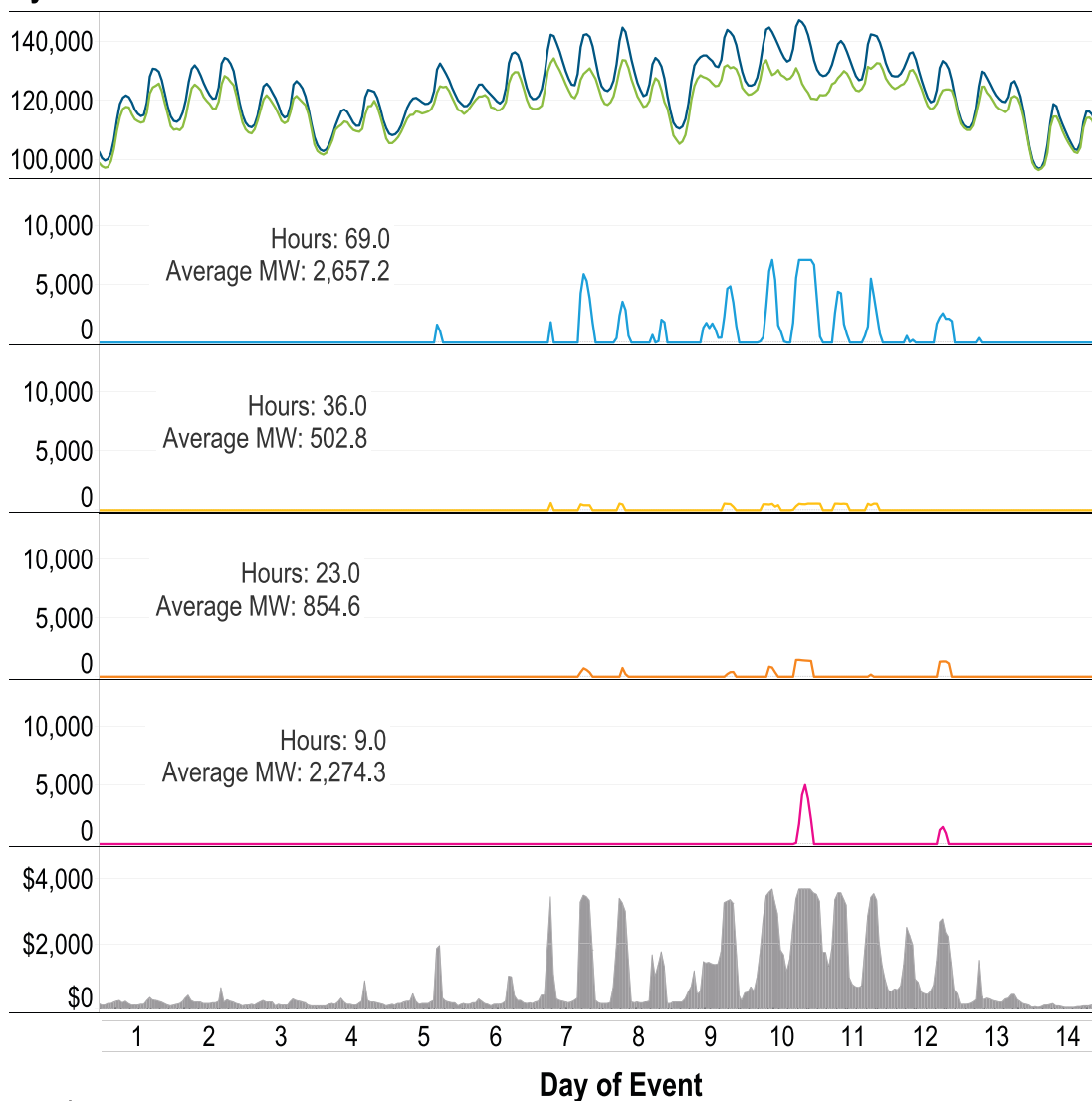
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

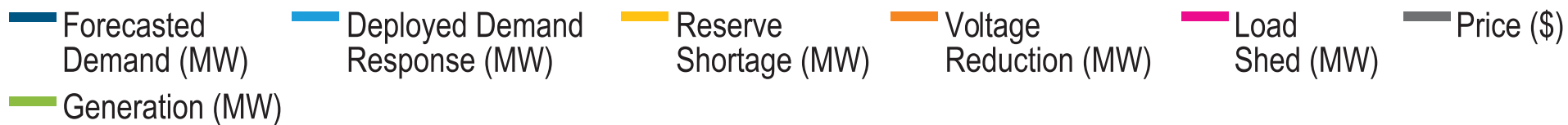
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



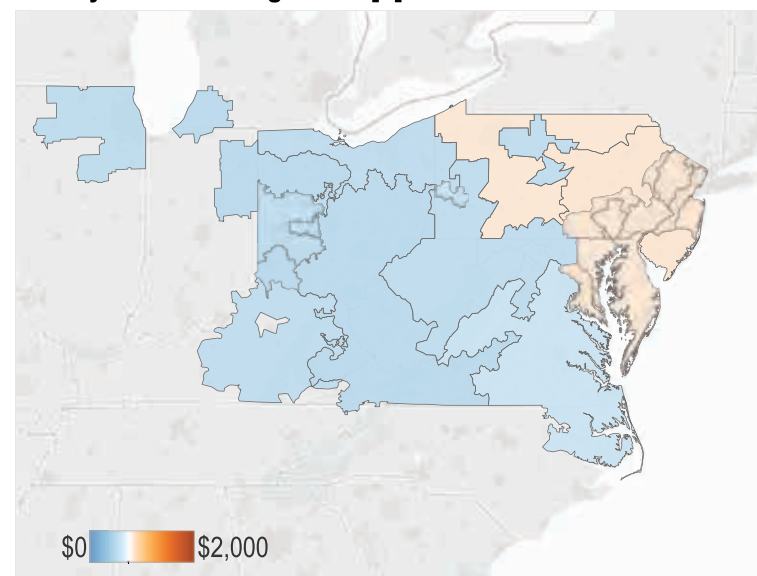
Legend



## Scenario: 163

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.29M

0	0	0	1	1	2	3	6	11	18	27	27	14	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

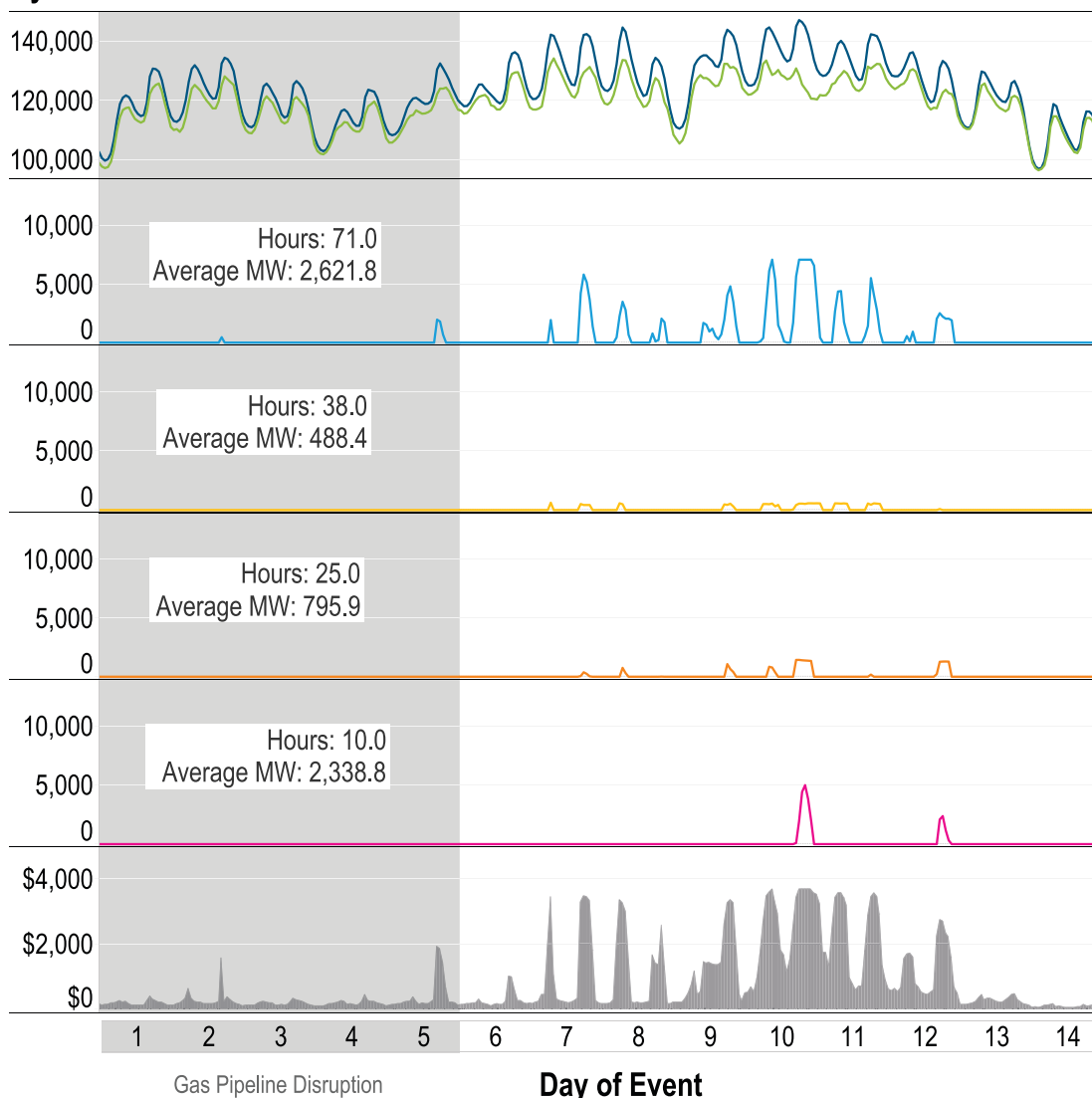
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



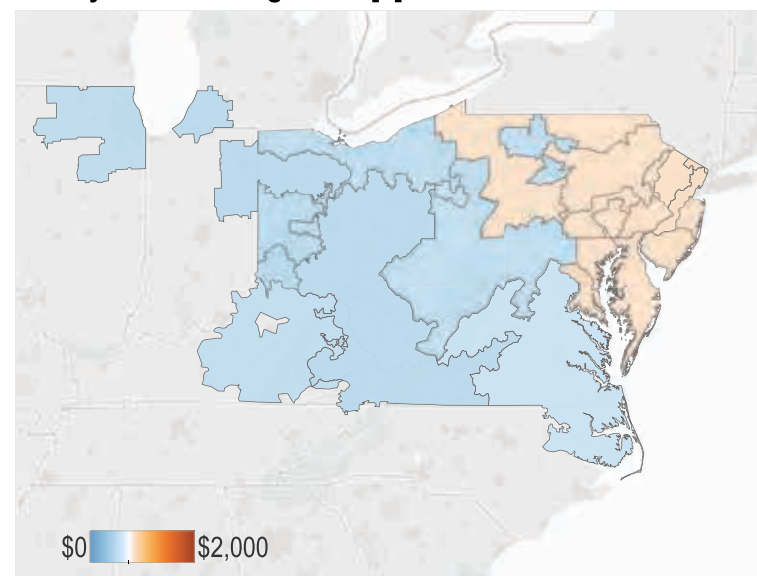
Legend



## Scenario: 164

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.44M

0	0	0	1	2	2	3	7	11	18	27	26	12	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

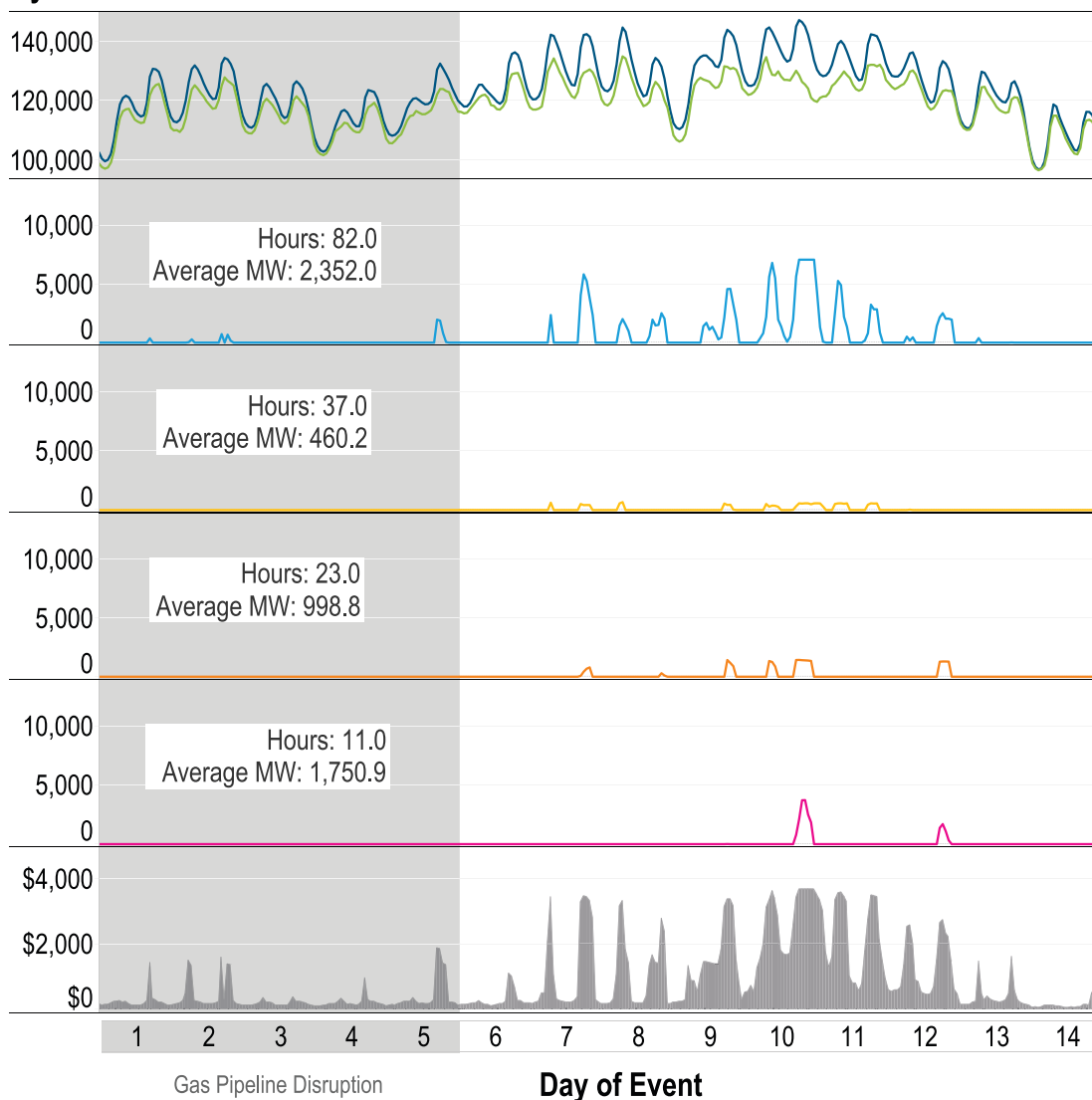
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



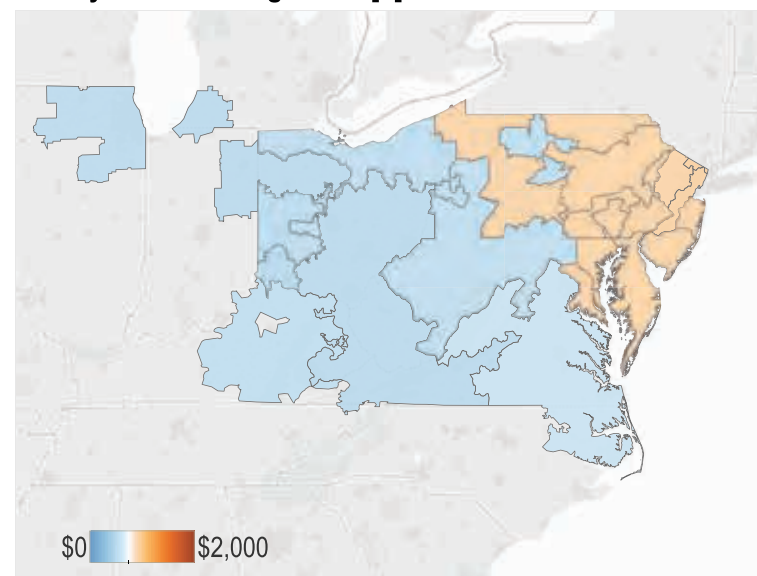
Legend



## Scenario: 165

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.48M

0	1	0	1	2	2	4	7	10	21	27	27	15	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

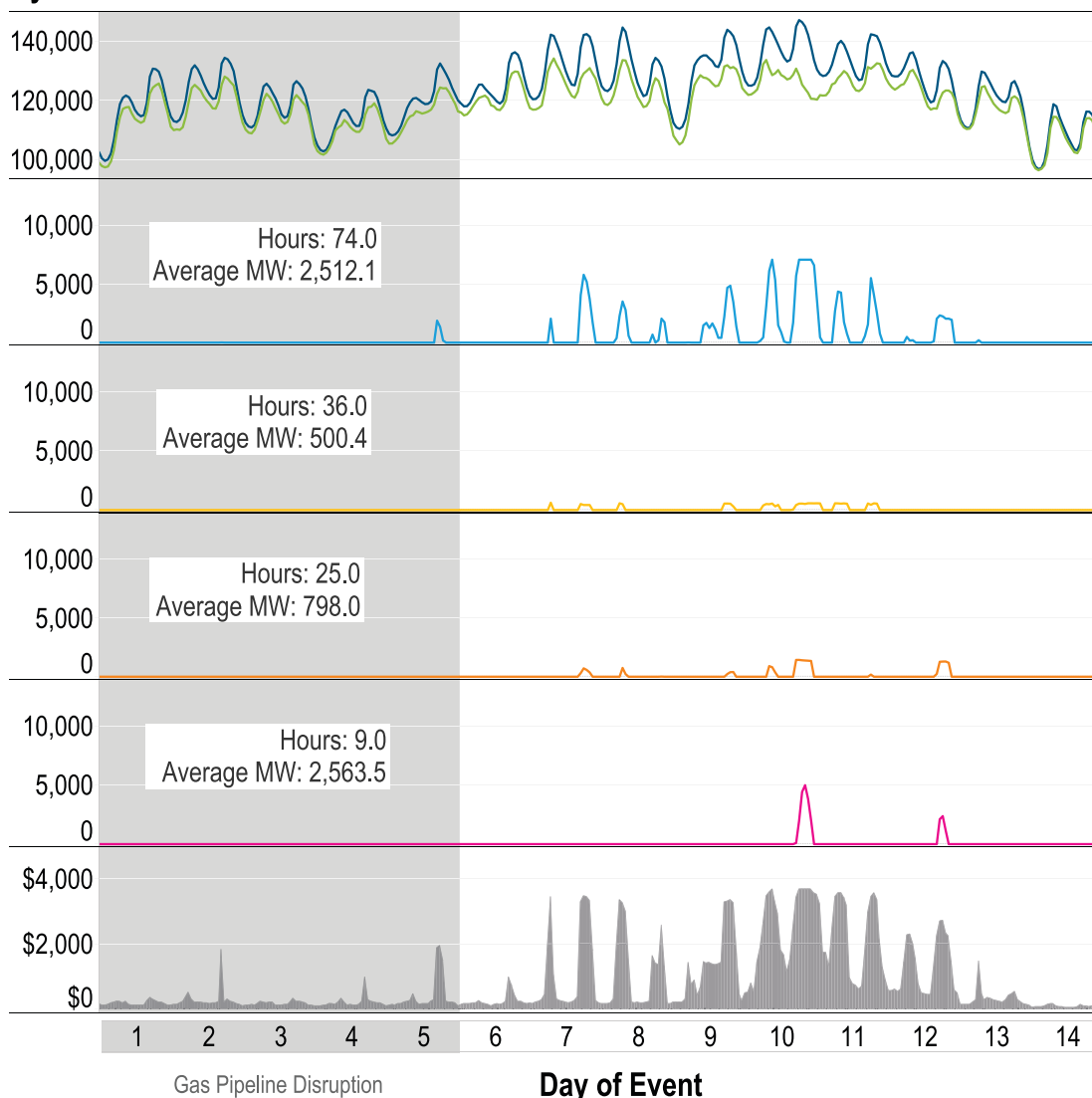
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



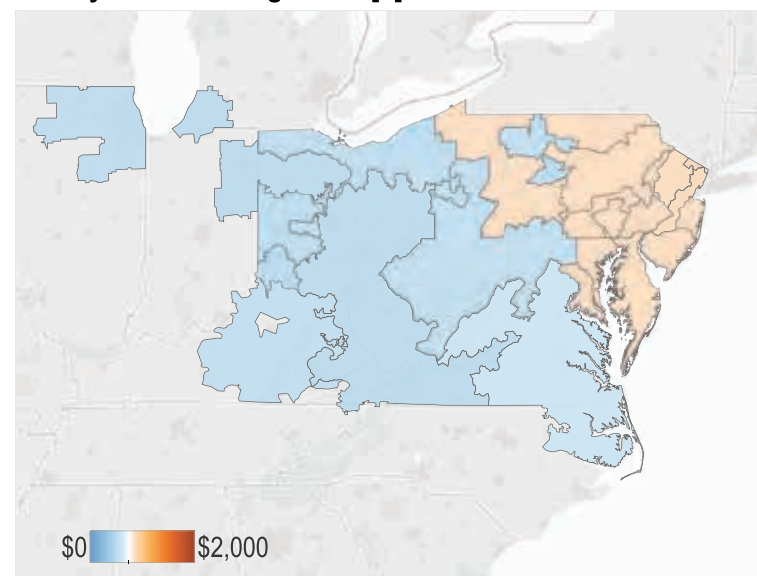
Legend



## Scenario: 166

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.39M

0	0	0	1	2	2	3	6	10	19	27	27	14	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

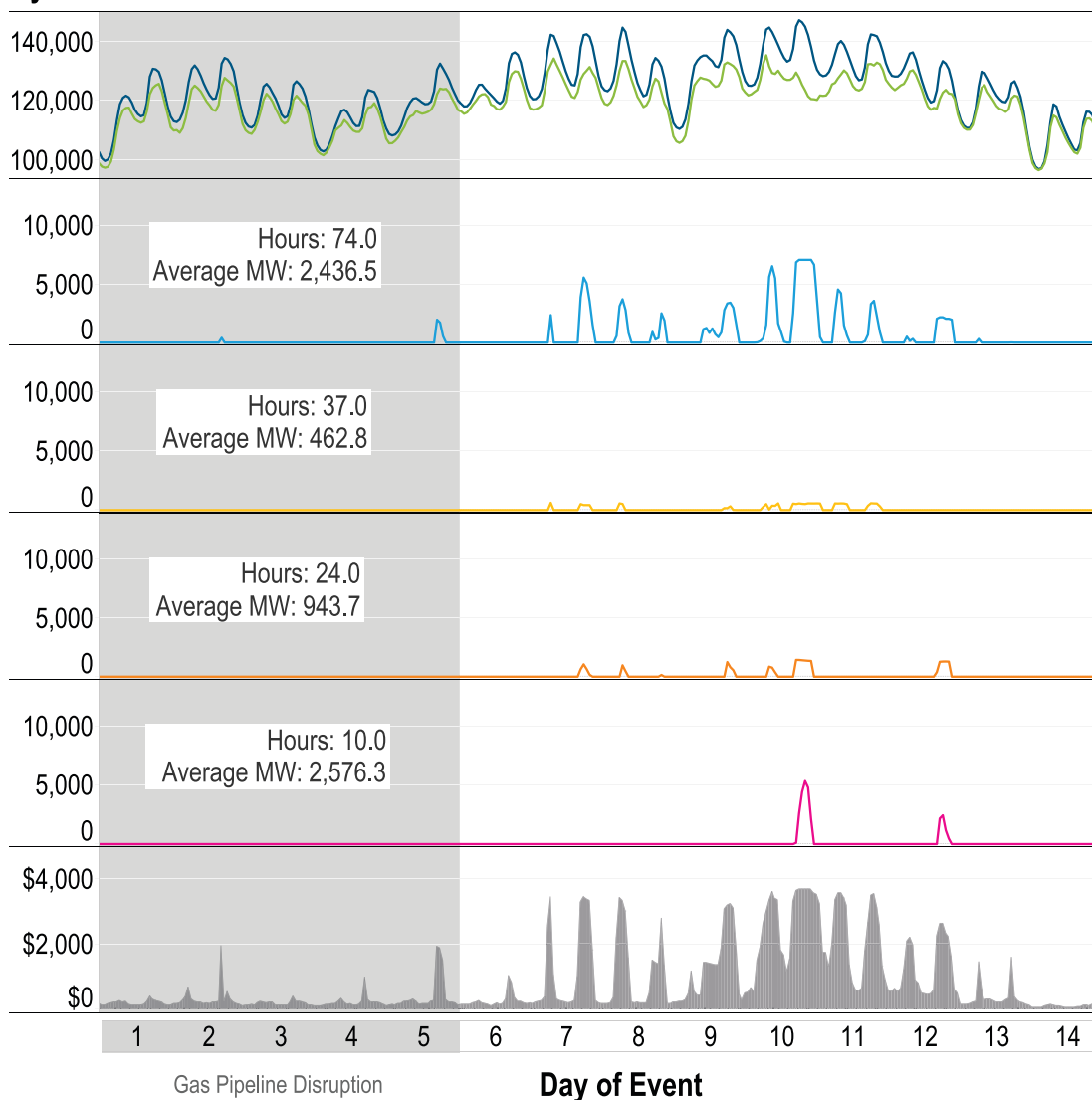
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



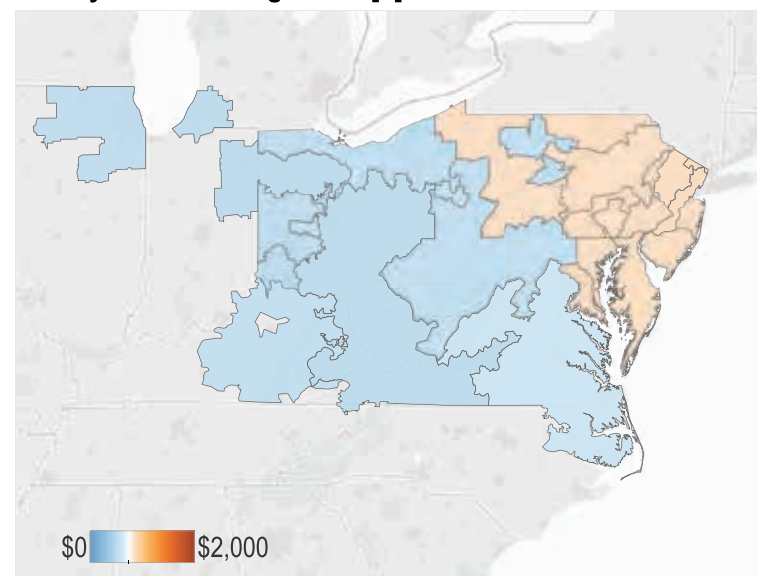
Legend



## Scenario: 167

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.49M

0	0	0	1	2	2	4	6	8	19	26	27	15	1
---	---	---	---	---	---	---	---	---	----	----	----	----	---

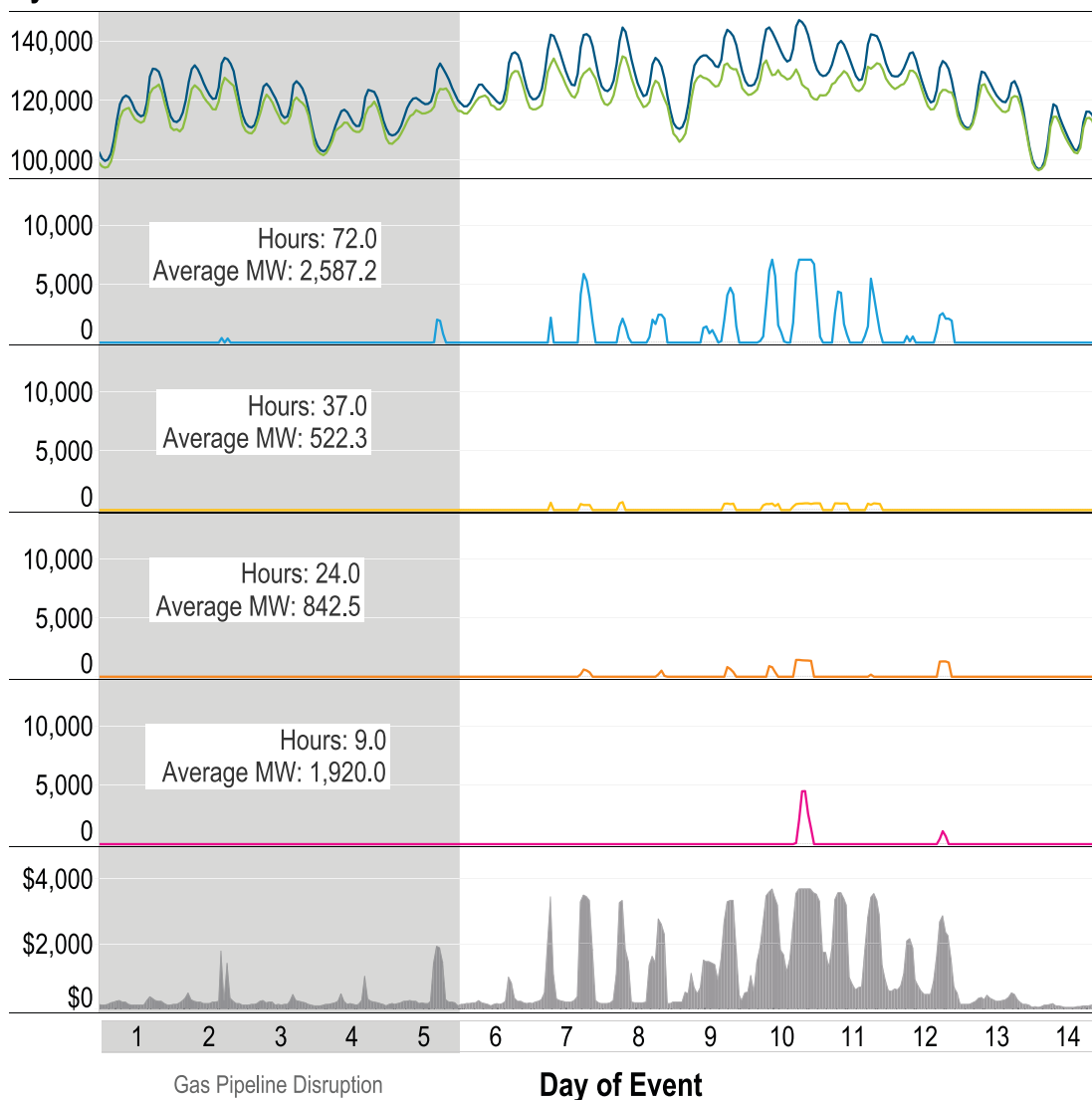
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



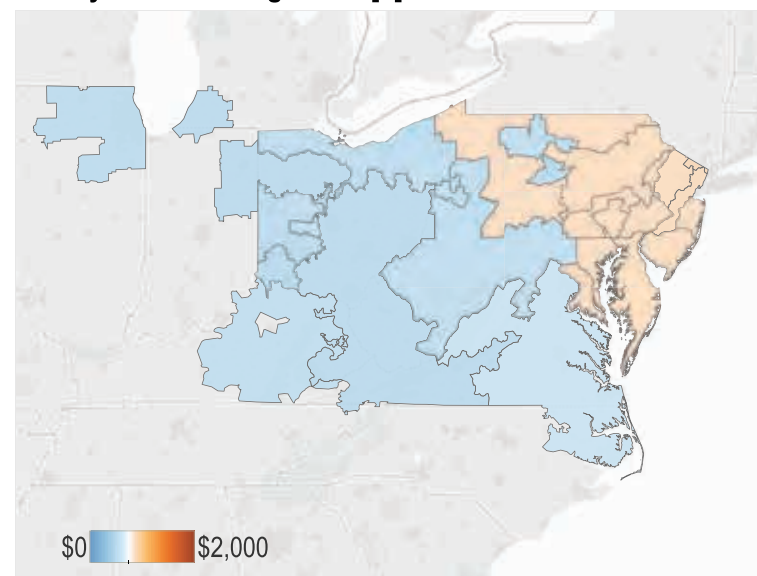
Legend



## Scenario: 168

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.45M

0	0	0	1	2	2	4	7	11	20	27	26	13	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

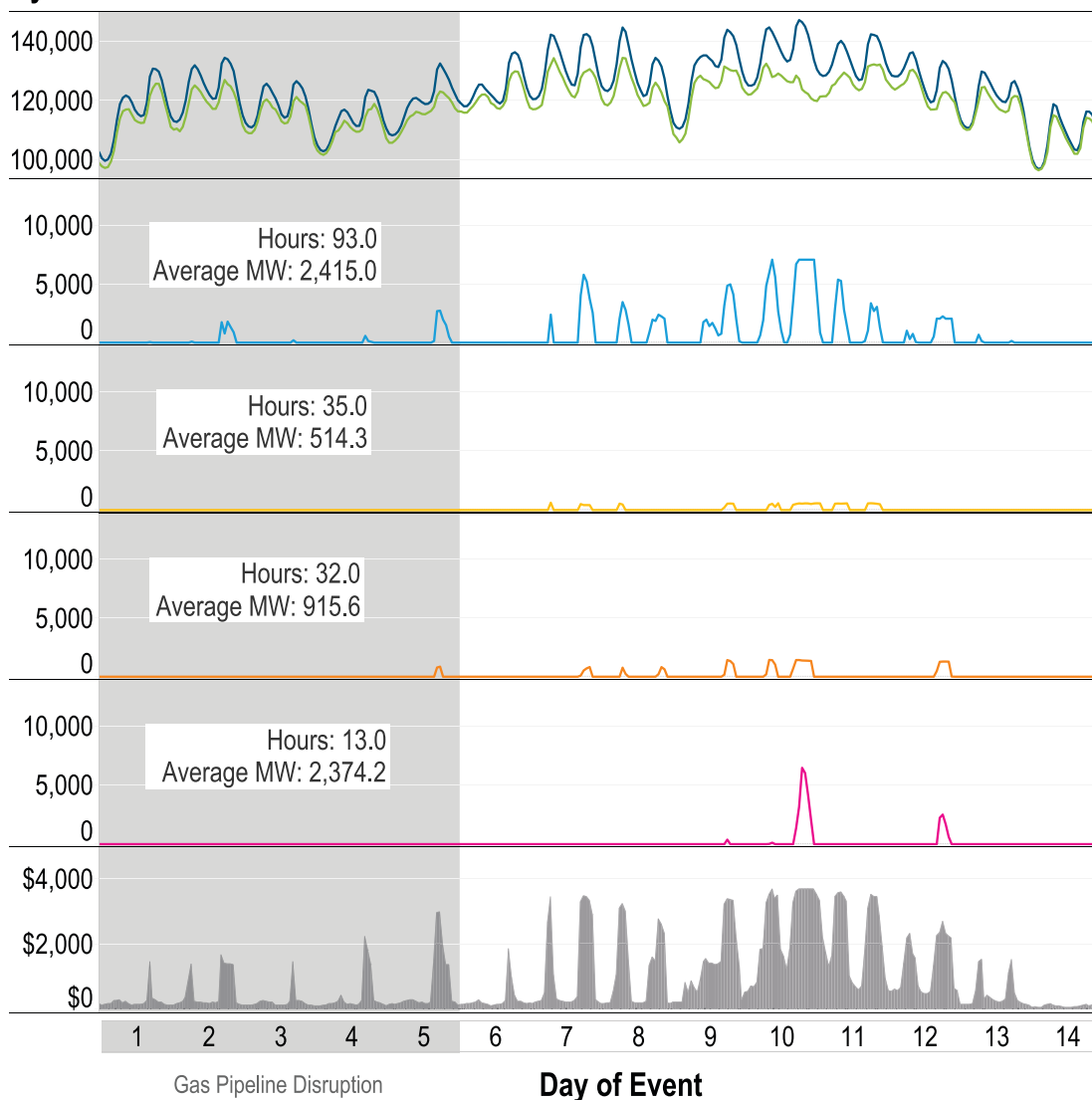
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



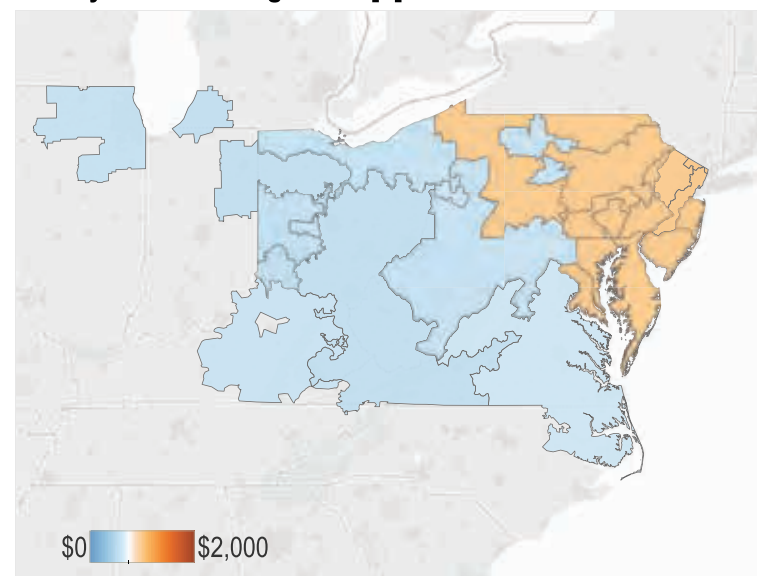
Legend



## Scenario: 169

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.67M

0	0	0	1	5	2	5	8	10	21	27	26	16	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

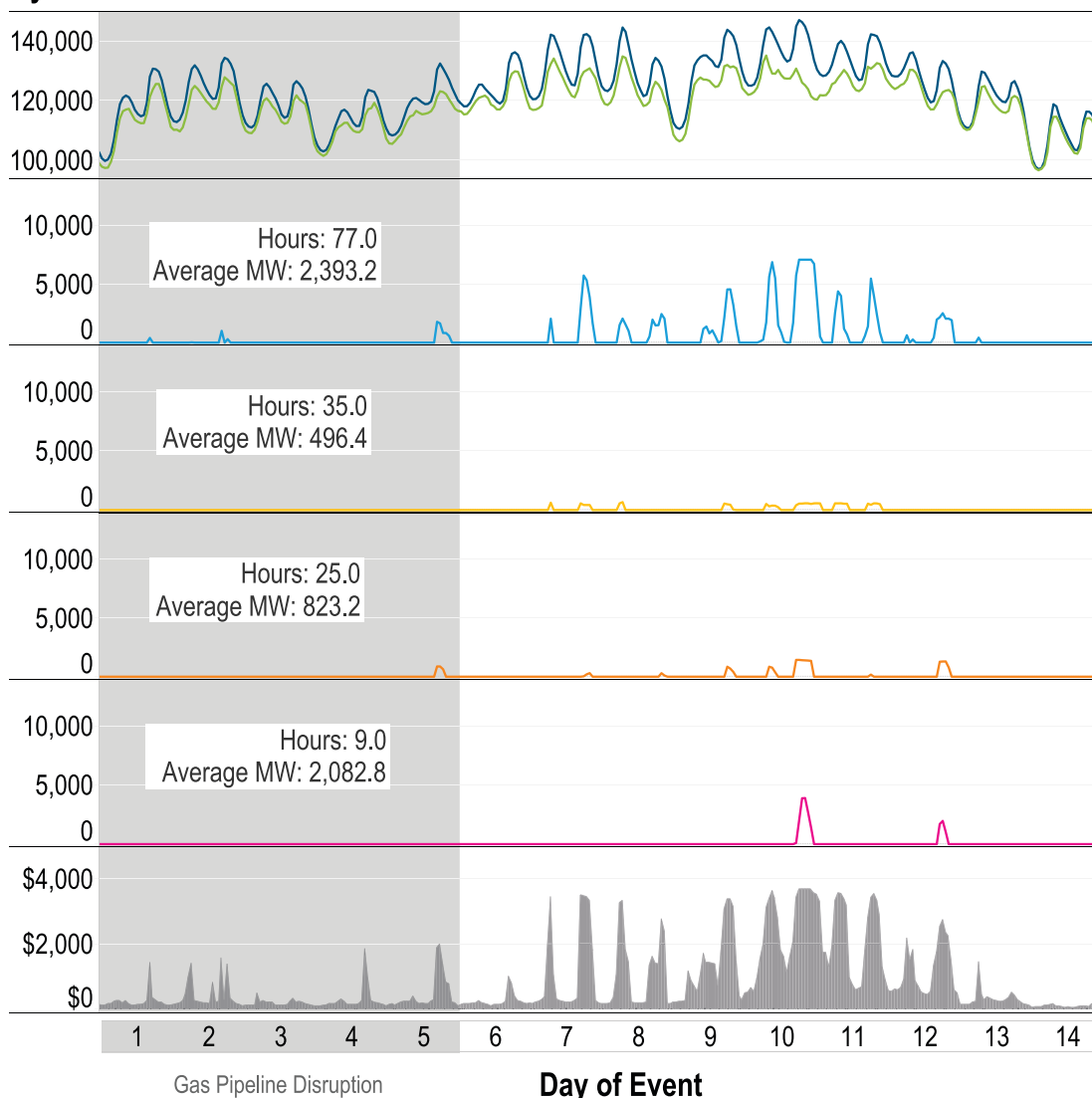
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



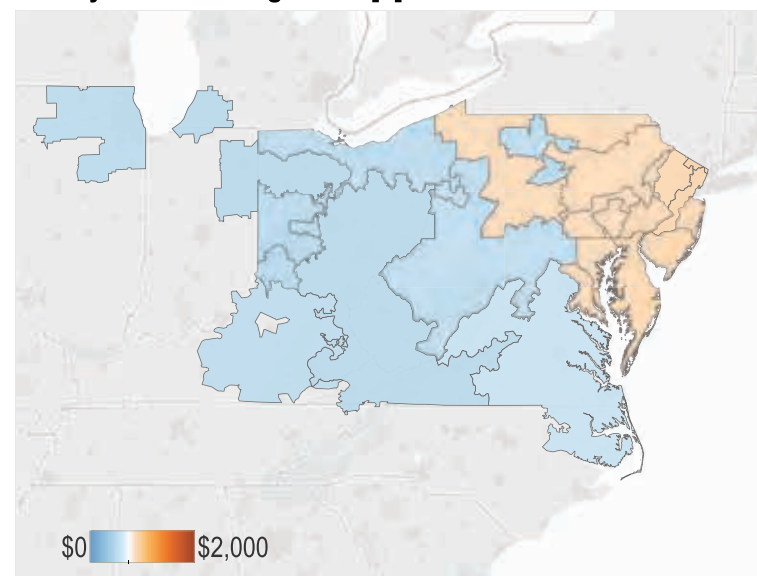
Legend



## Scenario: 170

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.44M

0	1	1	2	3	2	4	6	10	21	27	27	14	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

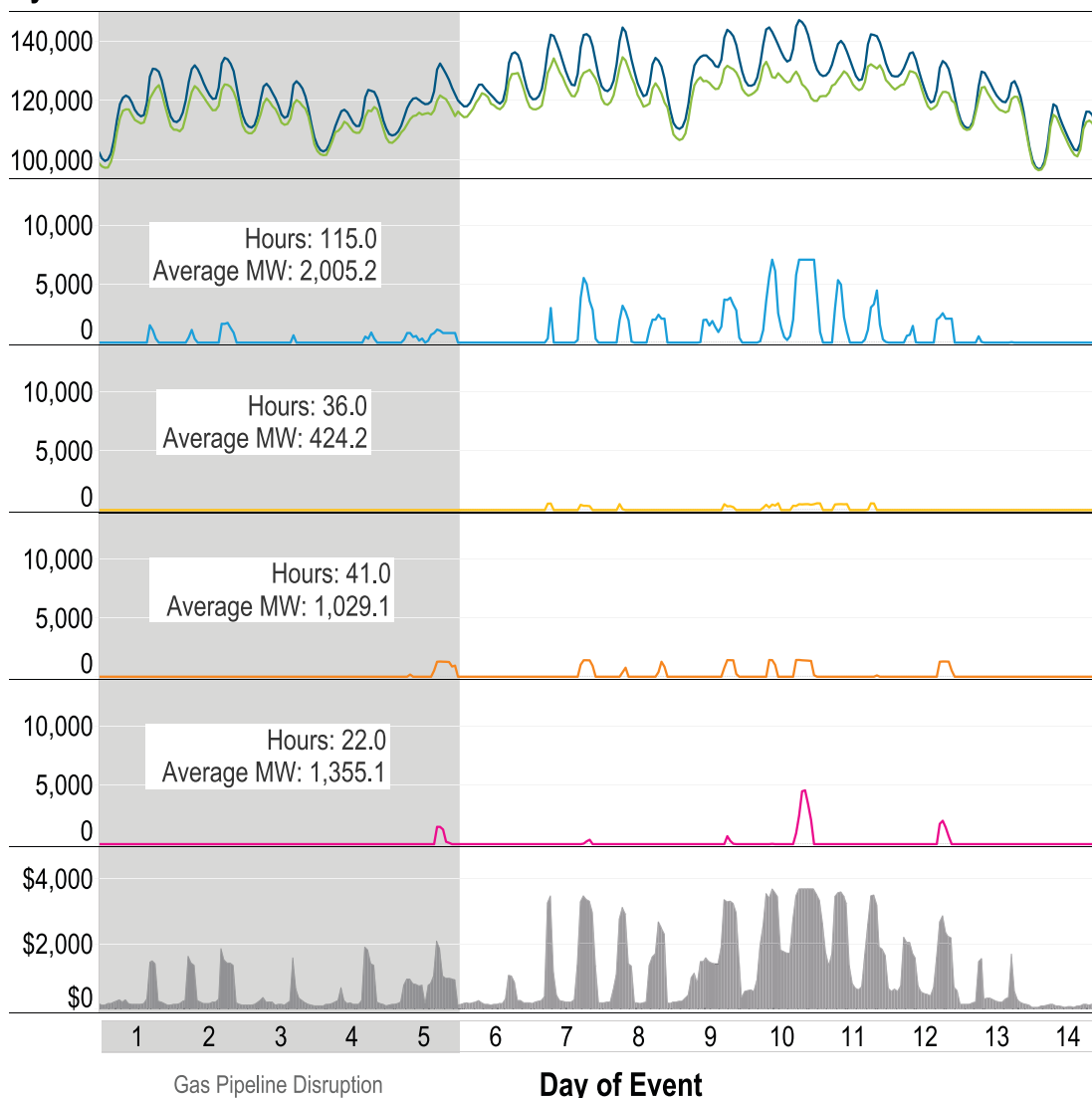
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



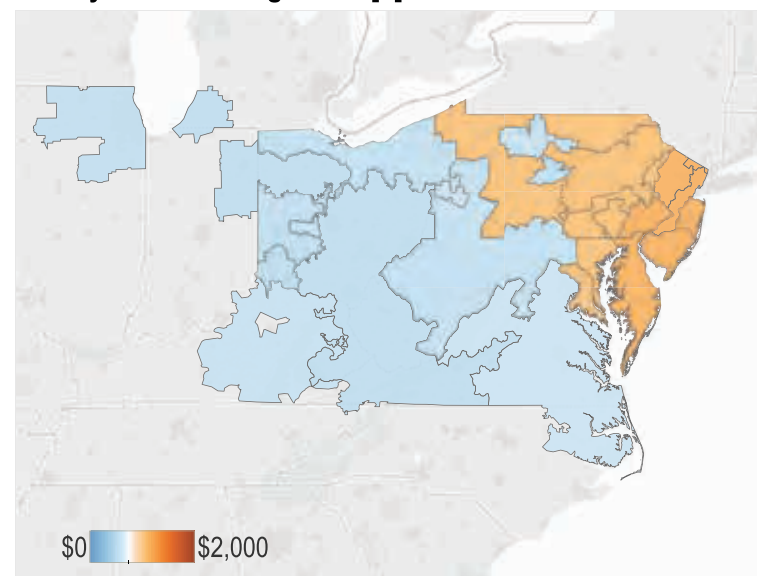
Legend



## Scenario: 171

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.82M

0	2	1	3	4	4	6	7	12	21	29	28	17	1
---	---	---	---	---	---	---	---	----	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

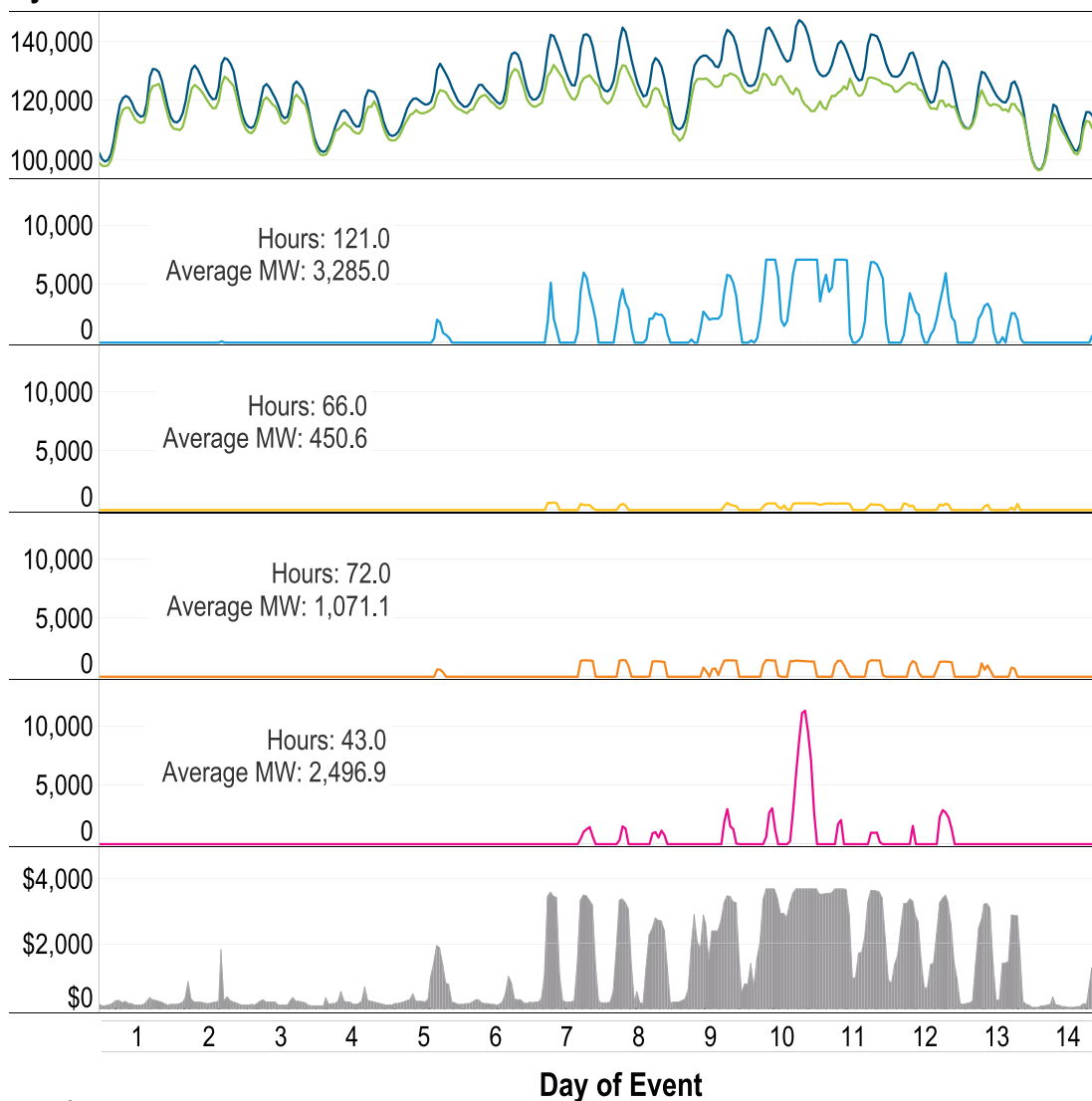
\*141 Total Sites

Day of Event

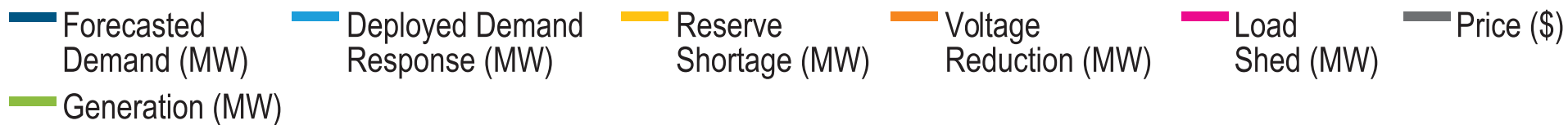
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



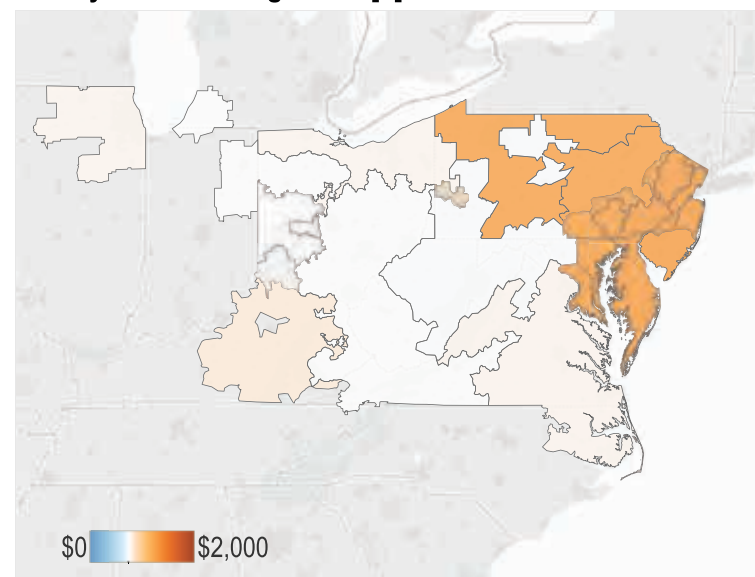
Legend



## Scenario: 172

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.05M

1	5	9	13	19	25	48	67	78	88	101	104	104	88
---	---	---	----	----	----	----	----	----	----	-----	-----	-----	----

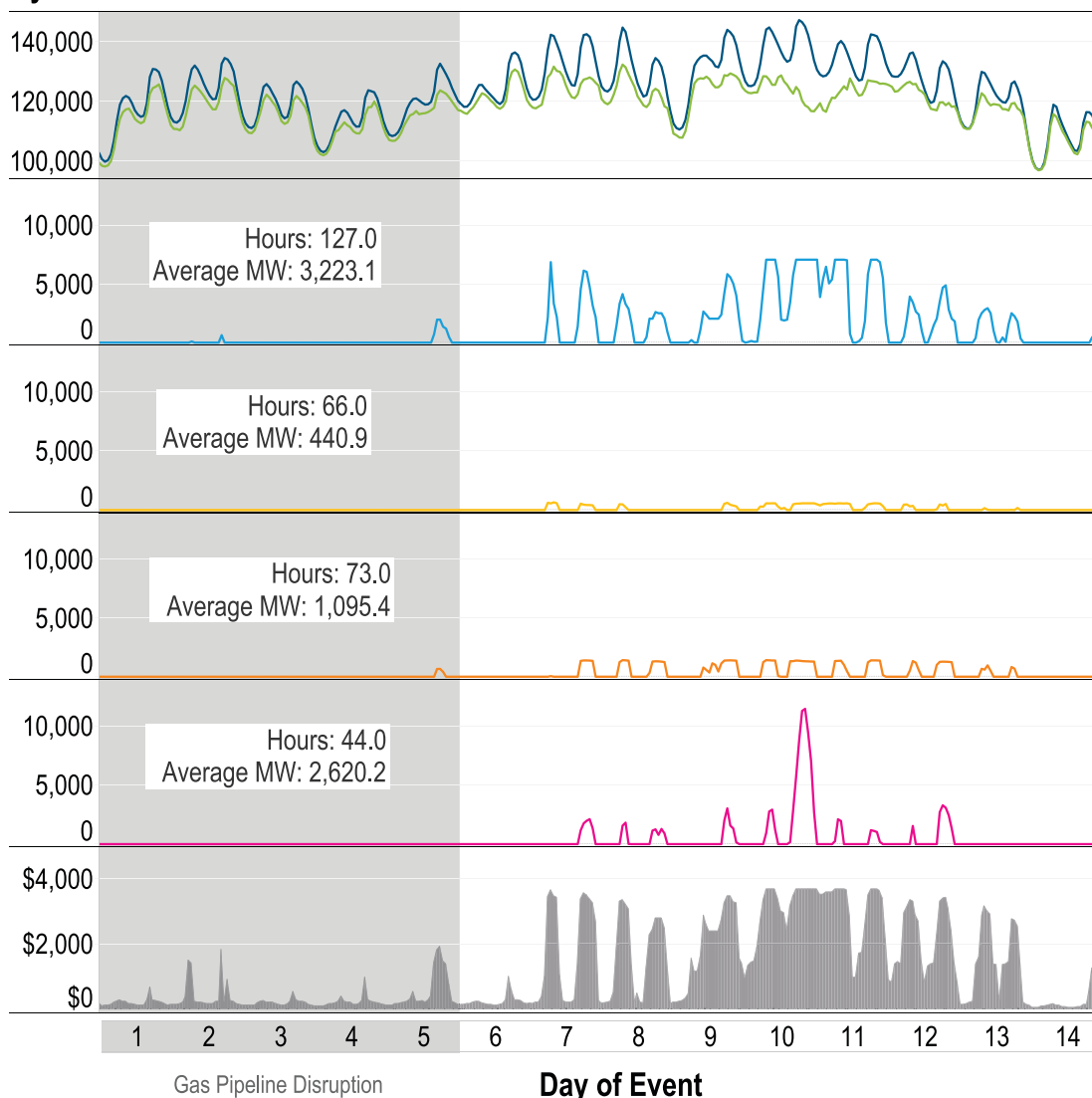
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



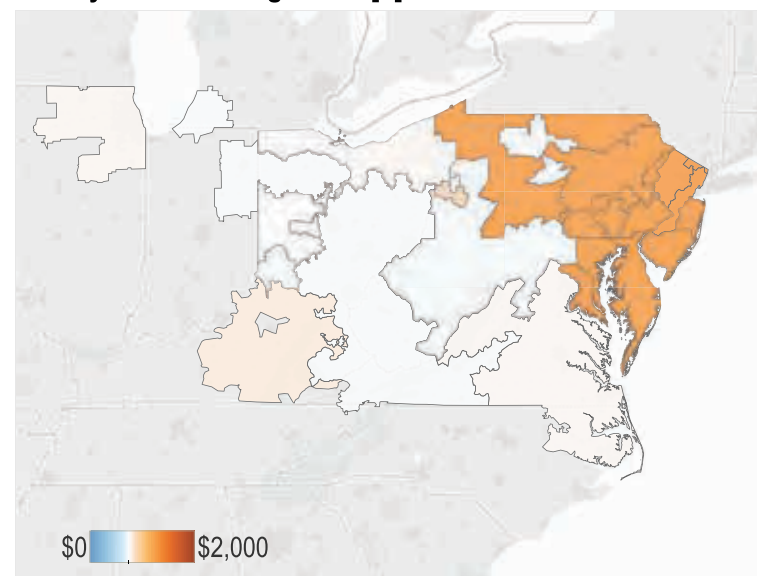
Legend



## Scenario: 173

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.15M

1	6	14	19	28	34	52	75	85	93	103	105	106	90
---	---	----	----	----	----	----	----	----	----	-----	-----	-----	----

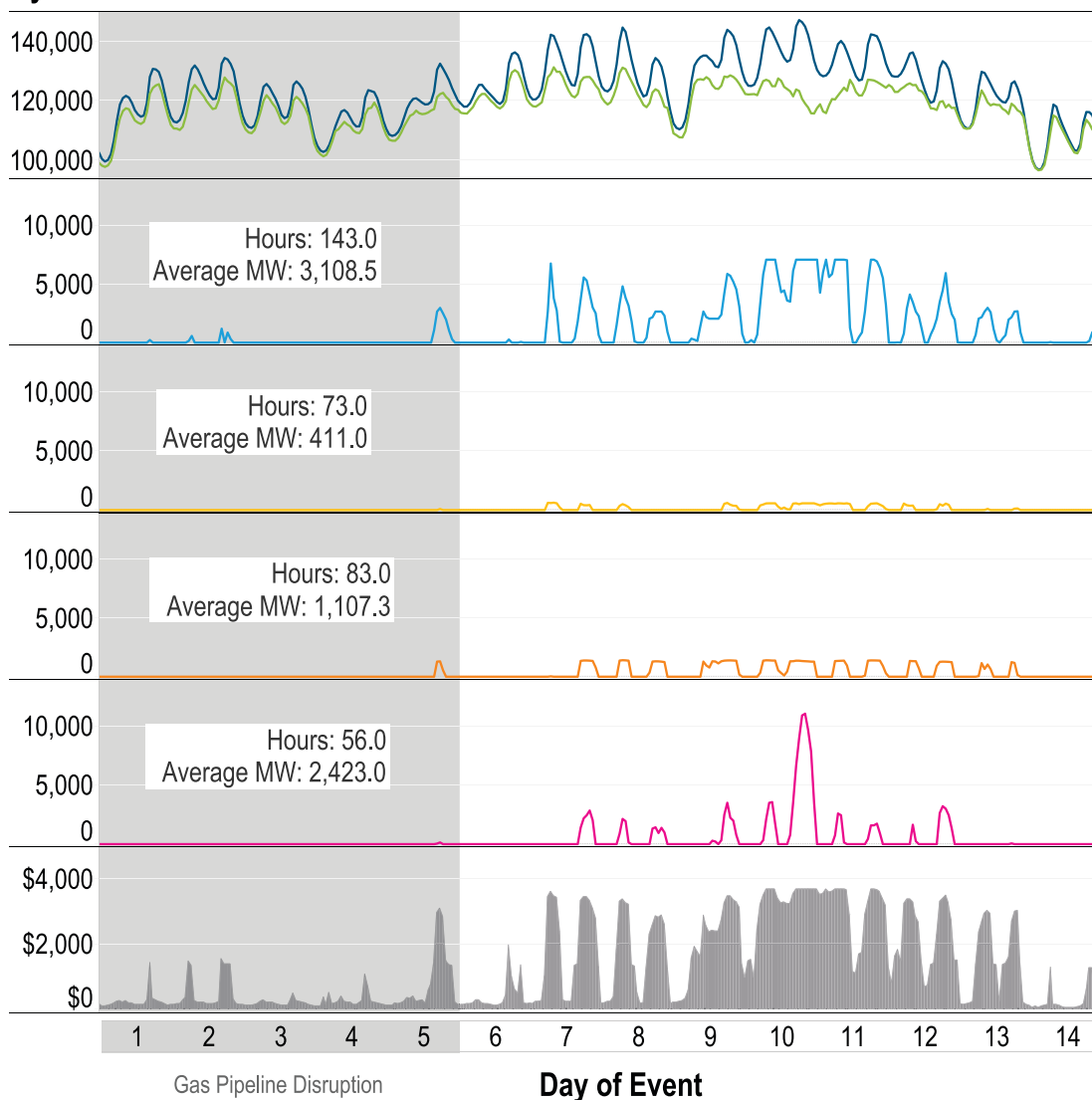
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



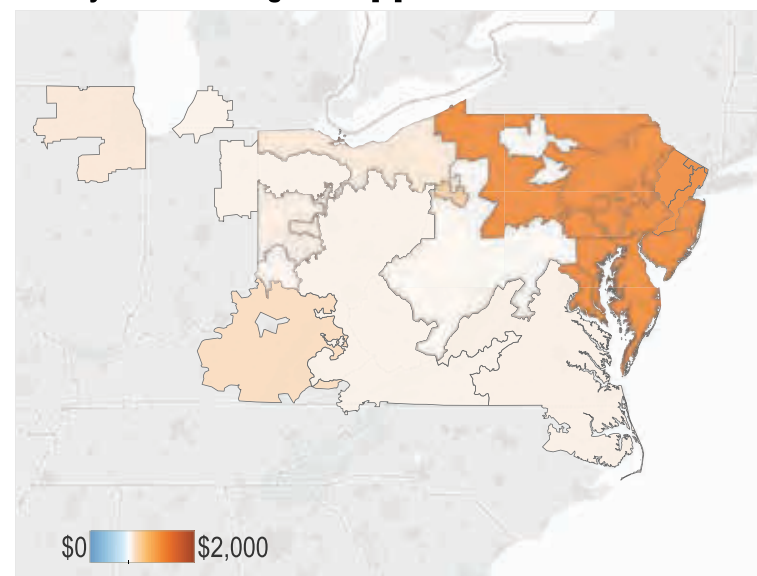
Legend



## Scenario: 174

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.28M

2	7	12	17	32	41	57	77	87	93	105	105	106	92
---	---	----	----	----	----	----	----	----	----	-----	-----	-----	----

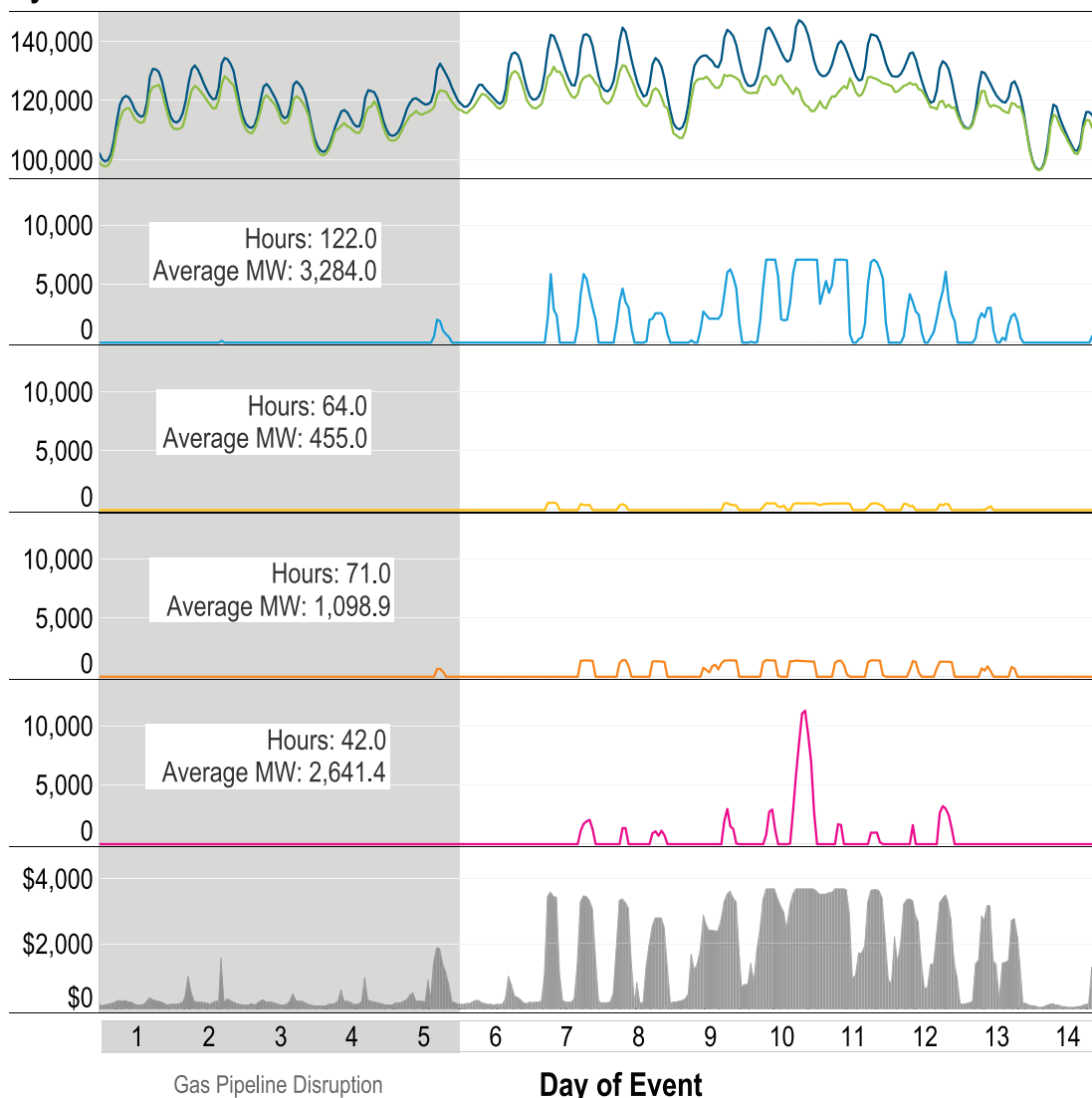
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



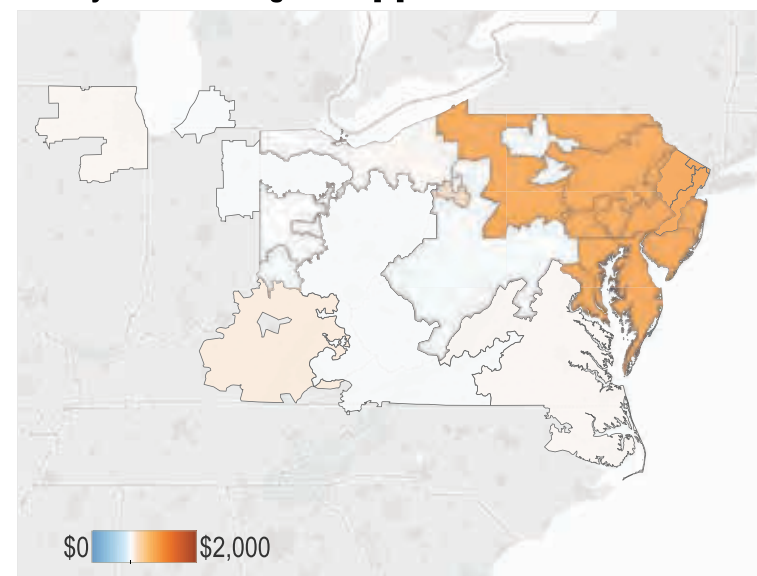
Legend



## Scenario: 175

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.11M

1 5 11 16 24 32 50 71 83 91 103 105 106 90

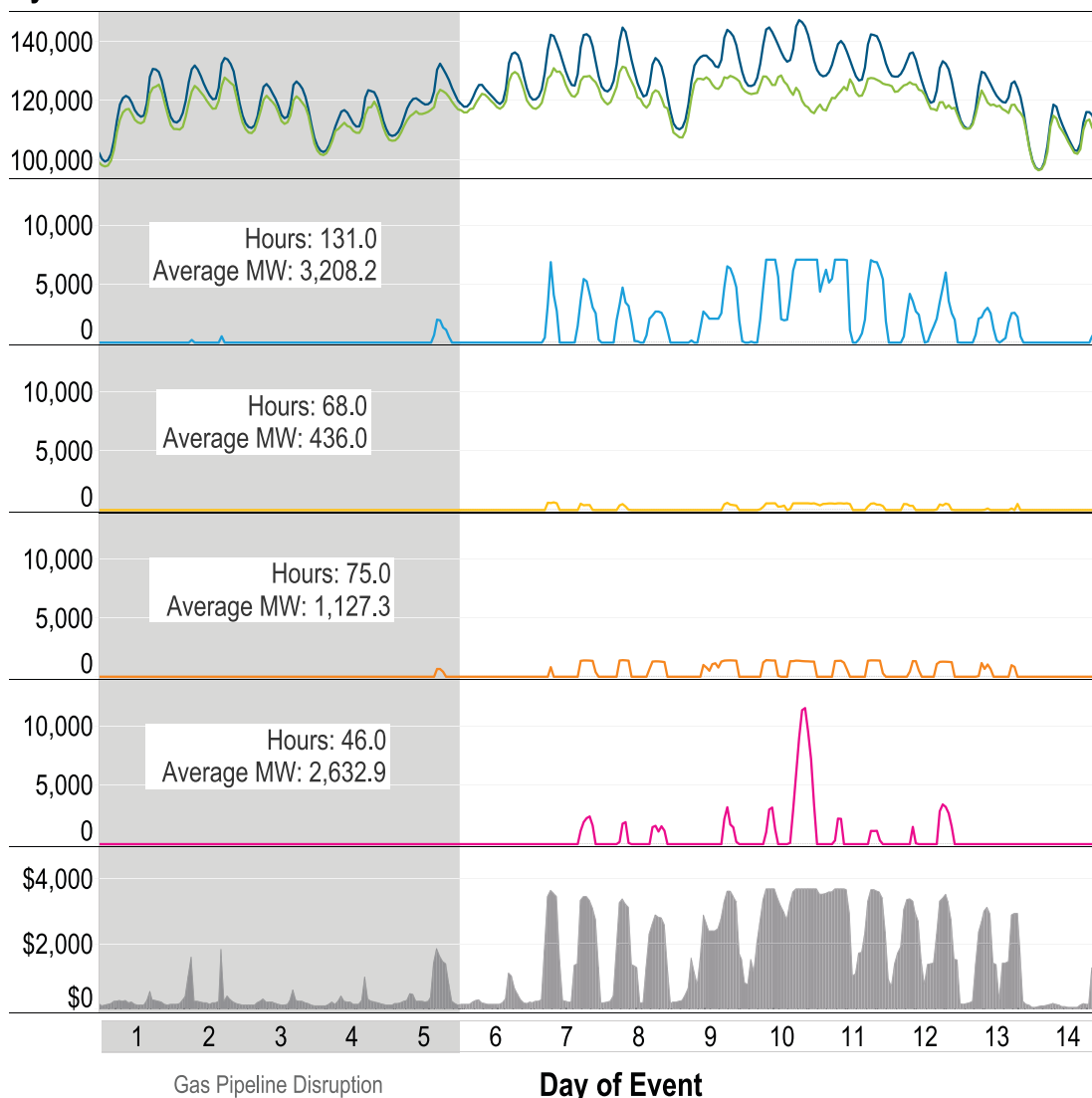
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



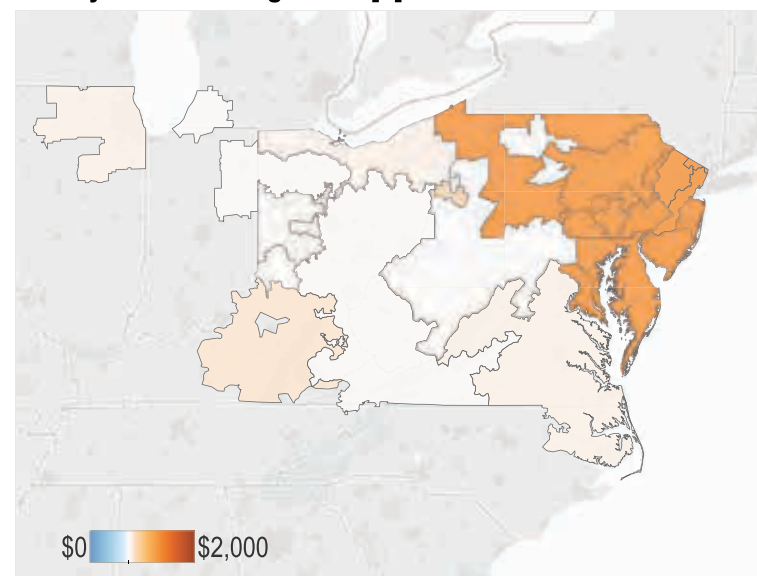
Legend



## Scenario: 176

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.21M

1 7 17 24 30 36 58 77 86 95 105 107 108 92

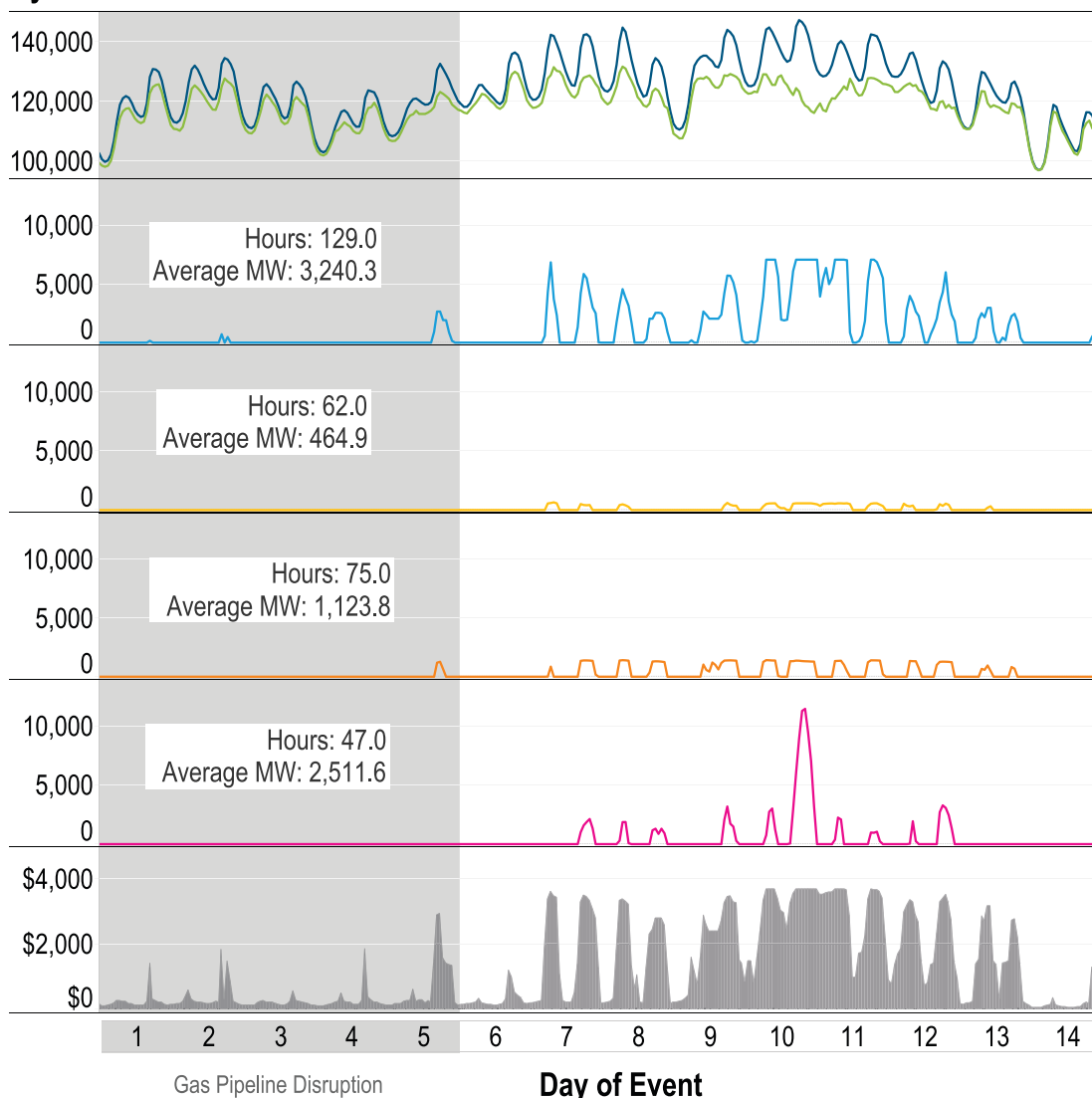
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



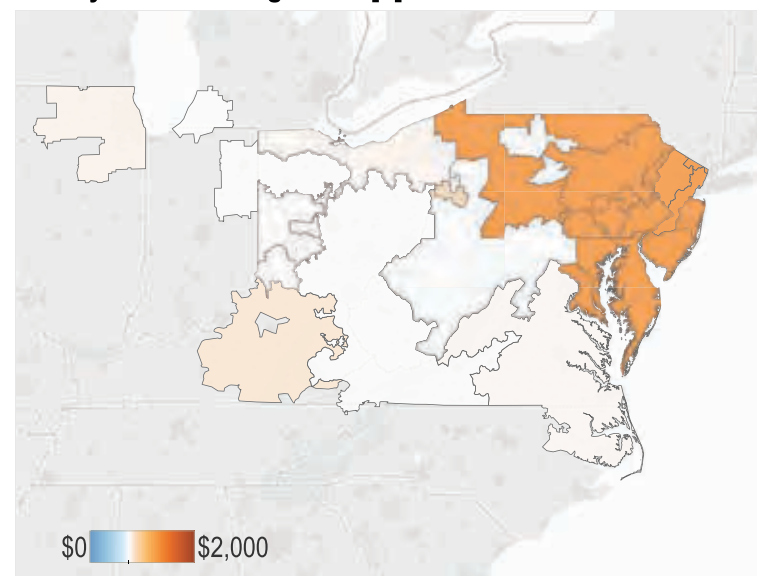
Legend



## Scenario: 177

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.22M

1	7	16	21	31	40	58	78	87	94	104	106	107	91
---	---	----	----	----	----	----	----	----	----	-----	-----	-----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

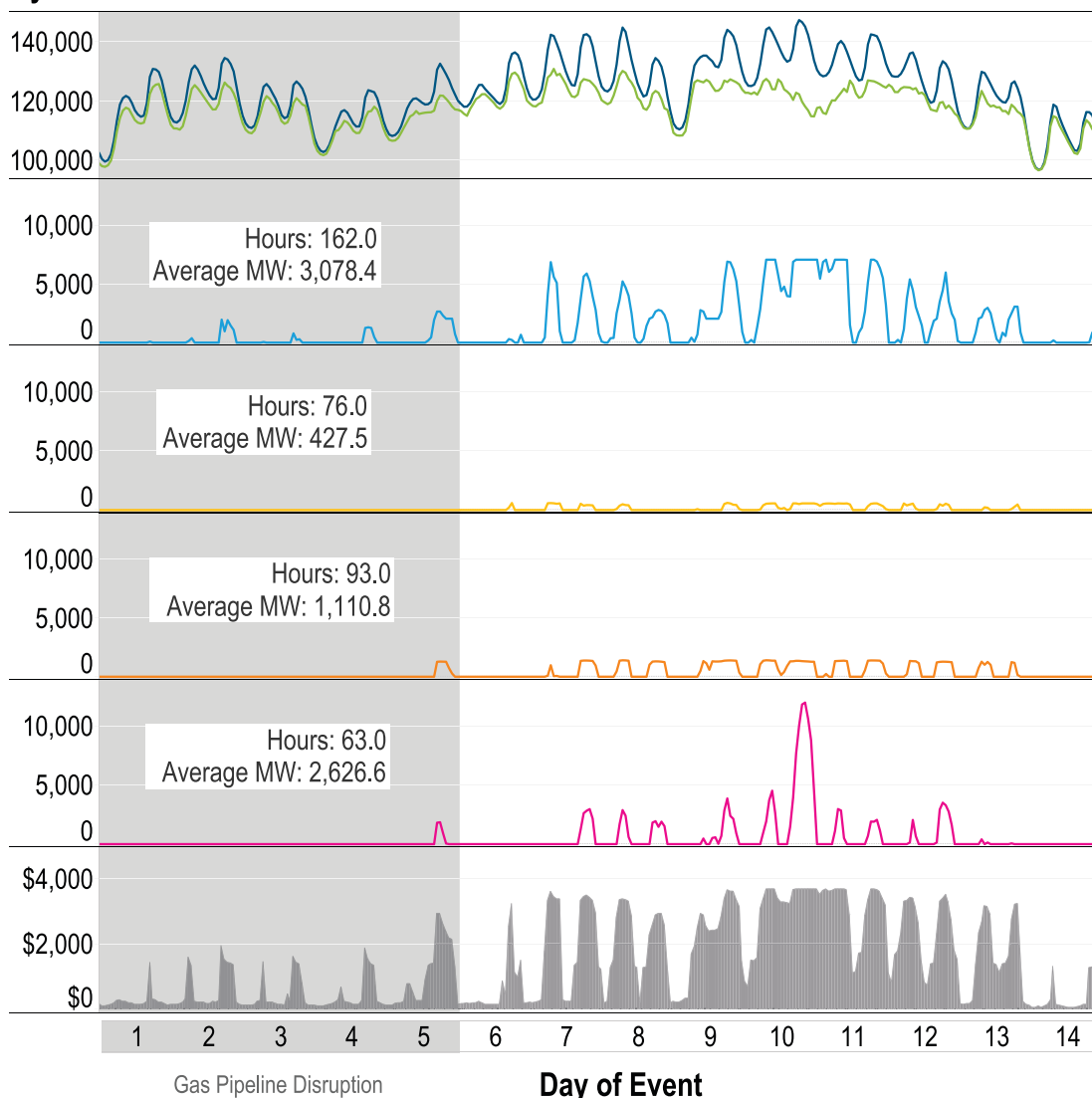
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



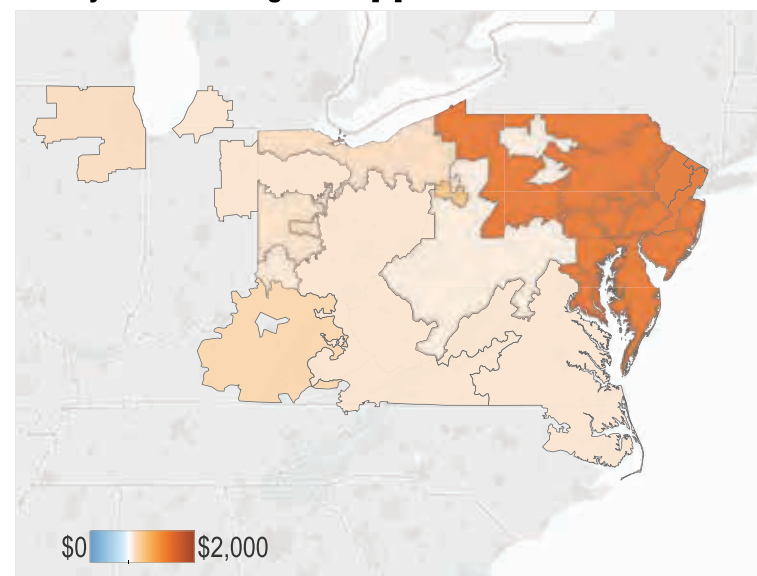
Legend



## Scenario: 178

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 6.38M

1 9 21 29 45 49 68 82 93 100 108 108 108 94

1 2 3 4 5 6 7 8 9 10 11 12 13 14

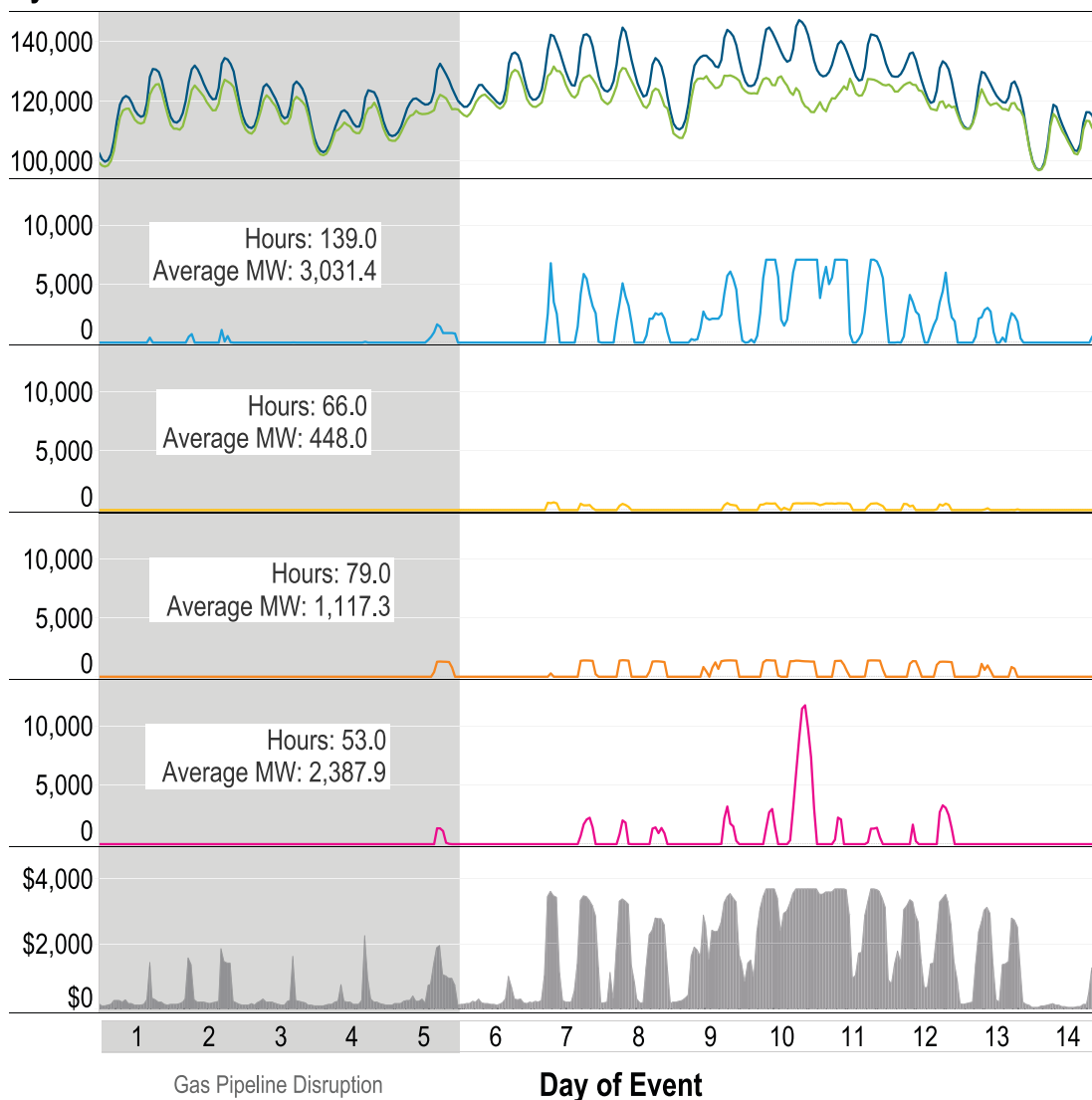
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



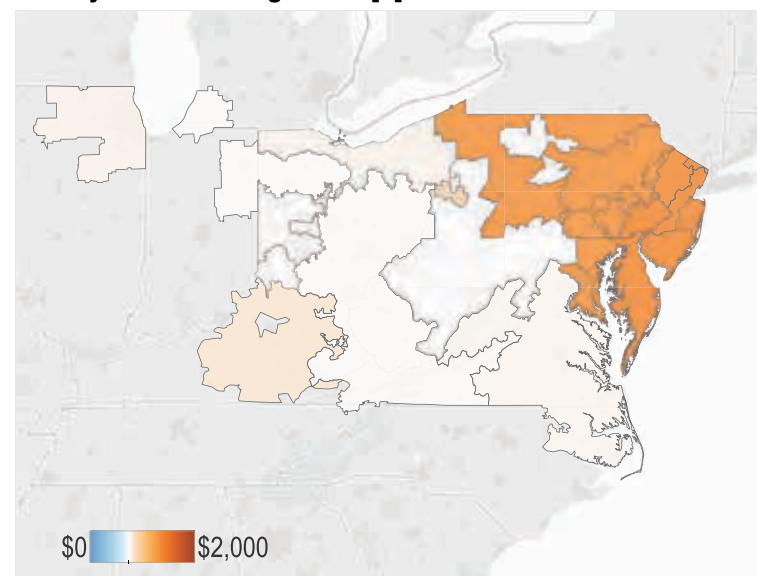
Legend



## Scenario: 179

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.24M

1	10	18	22	36	41	62	79	89	95	108	107	108	92
---	----	----	----	----	----	----	----	----	----	-----	-----	-----	----

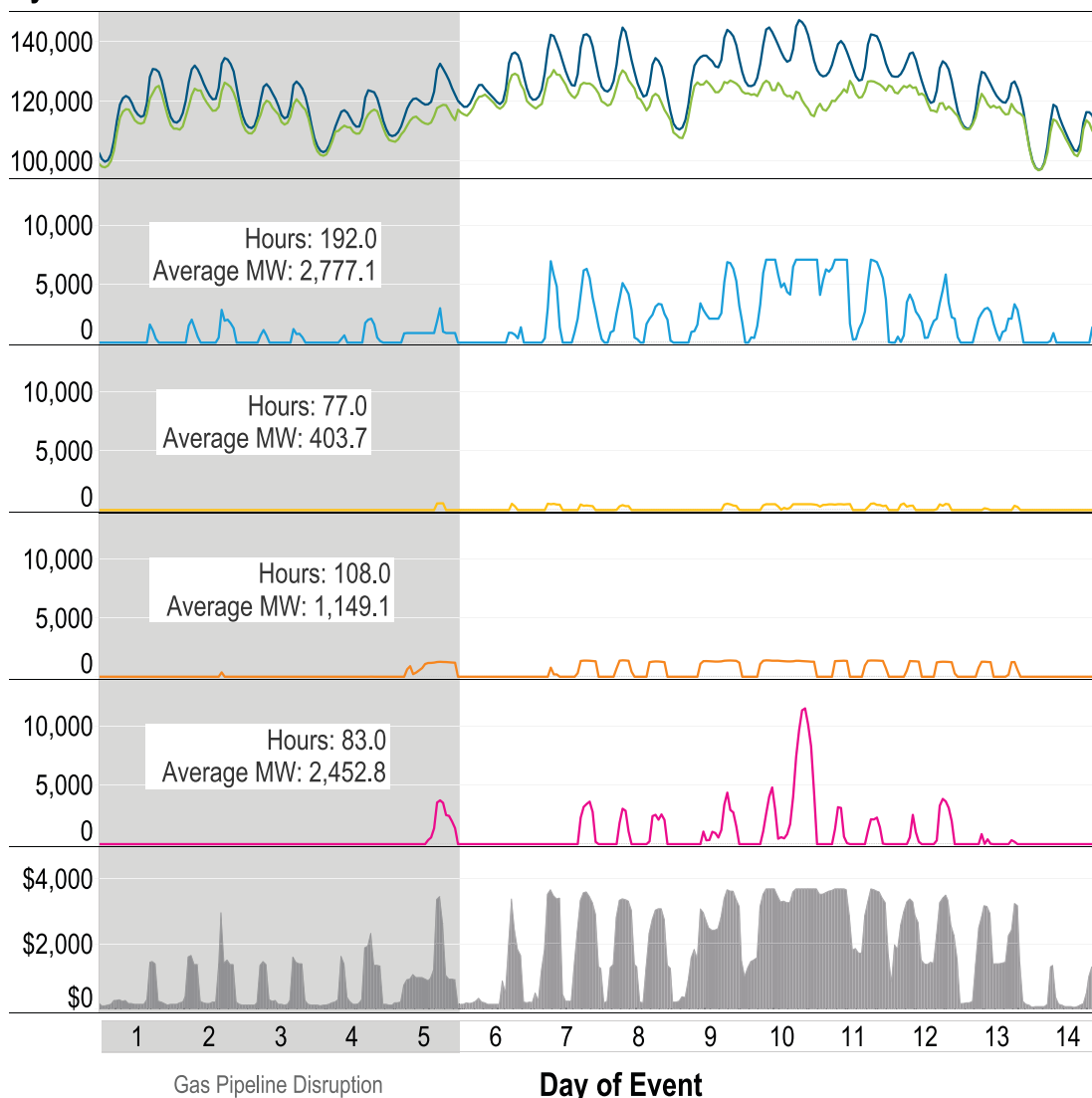
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



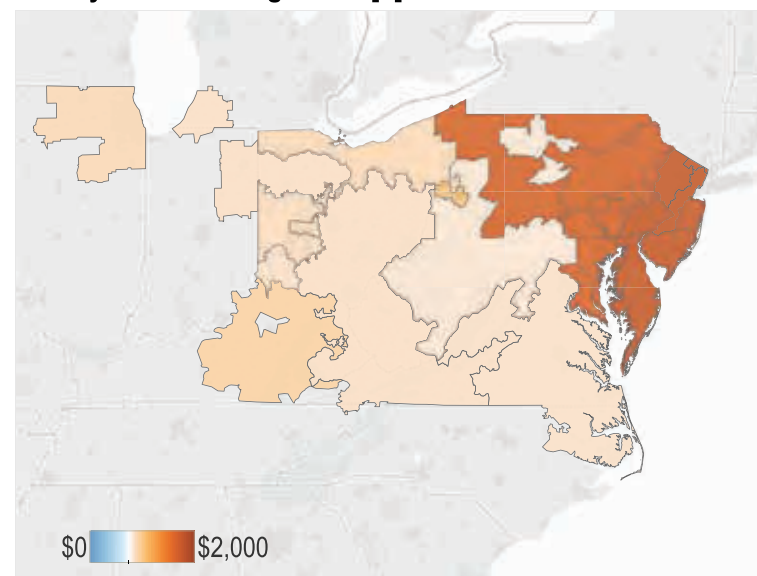
Legend



## Scenario: 180

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.41M

3	15	24	36	48	58	70	90	97	98	109	107	108	95
---	----	----	----	----	----	----	----	----	----	-----	-----	-----	----

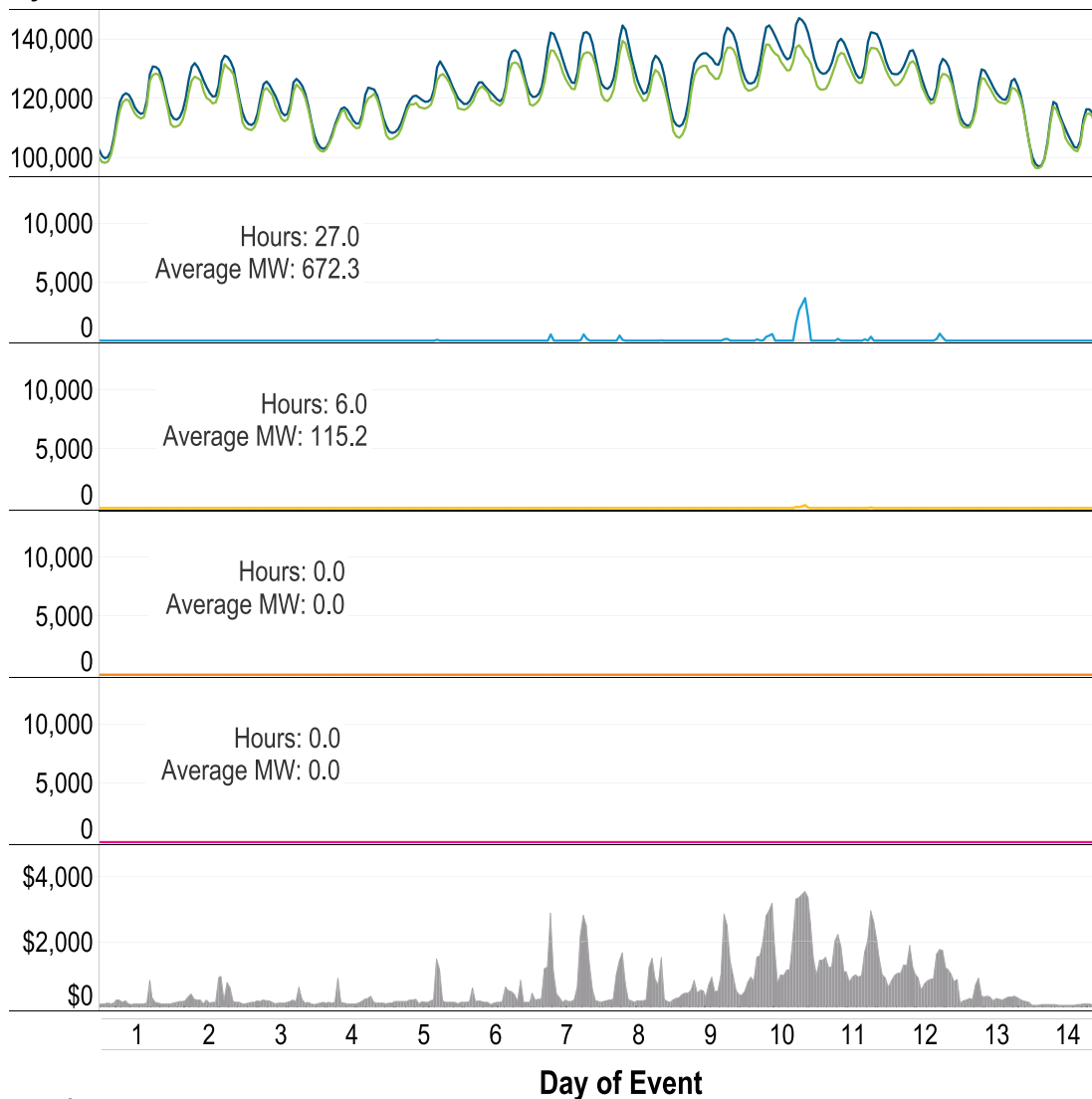
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

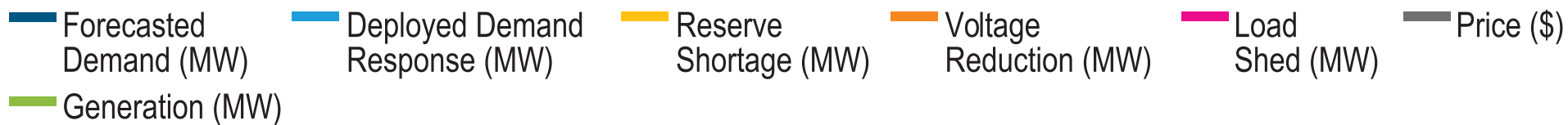
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



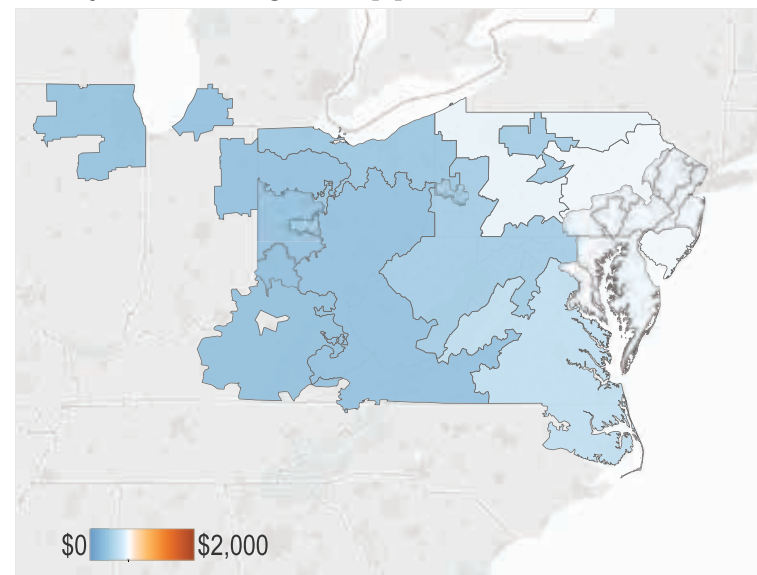
Legend



## Scenario: 181

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.89M



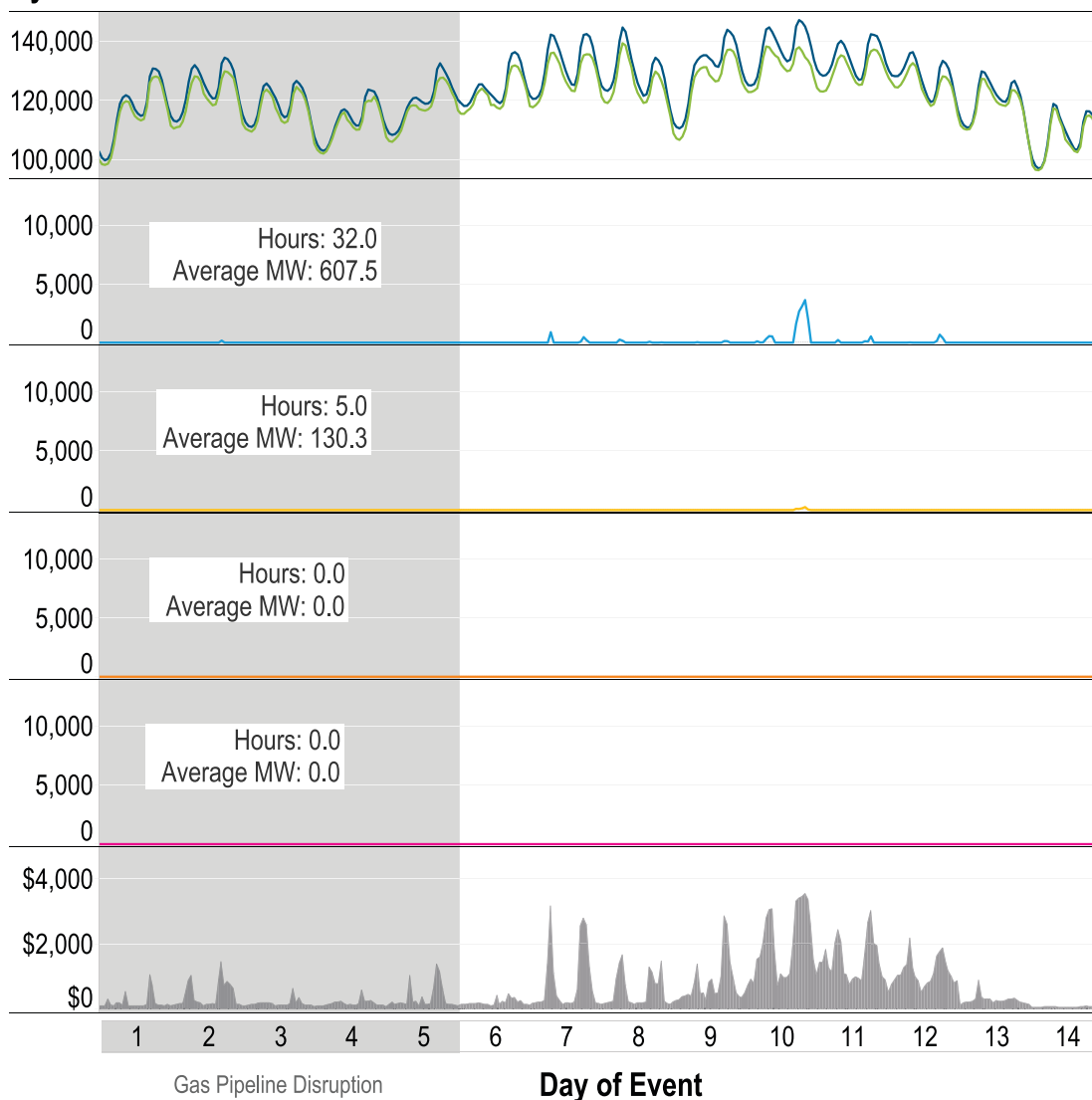
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



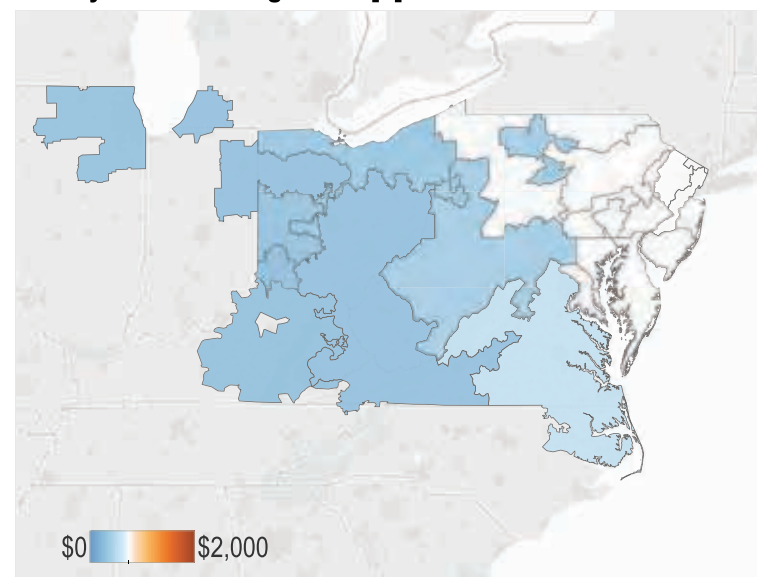
Legend



## Scenario: 182

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.88M



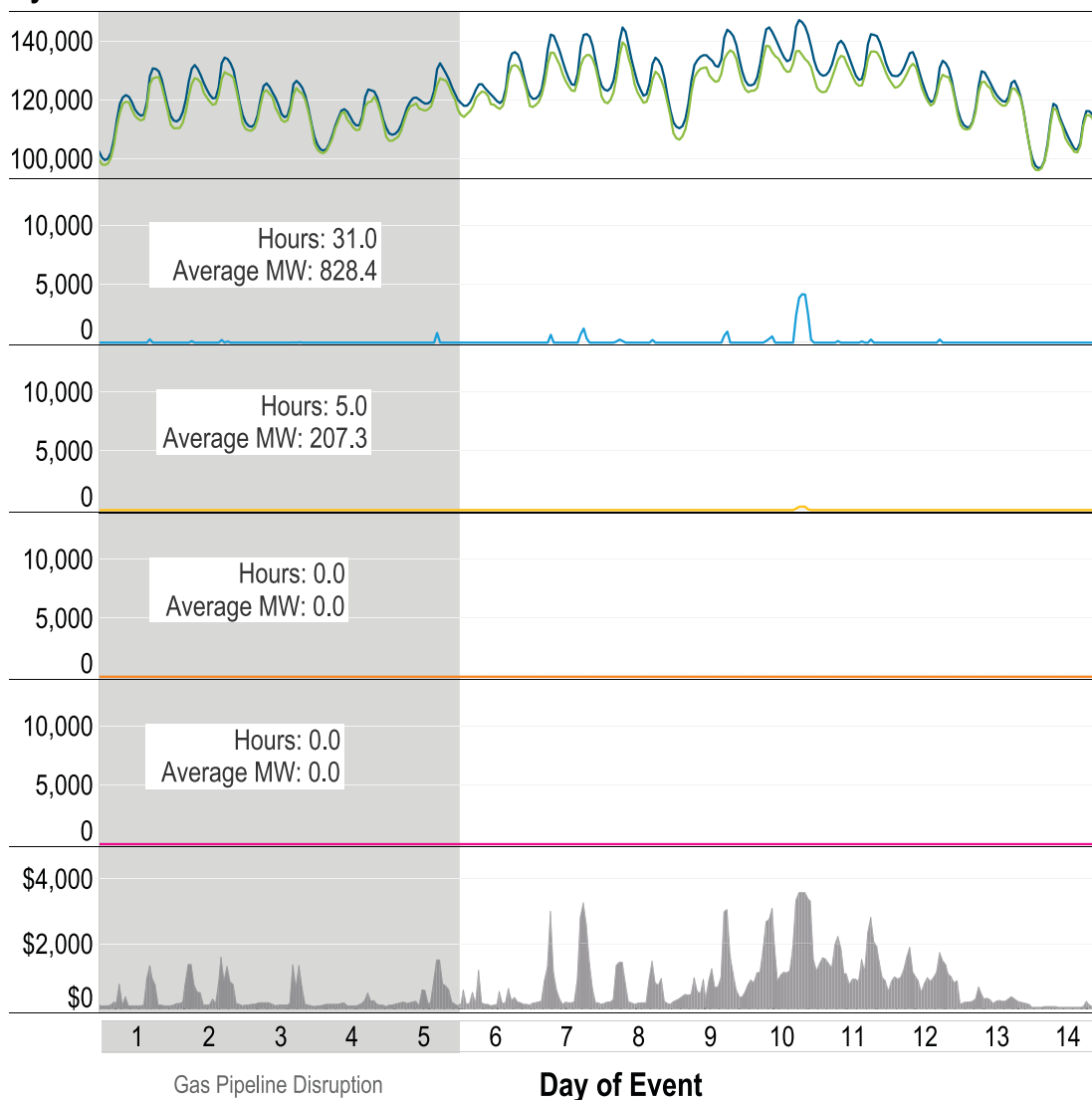
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



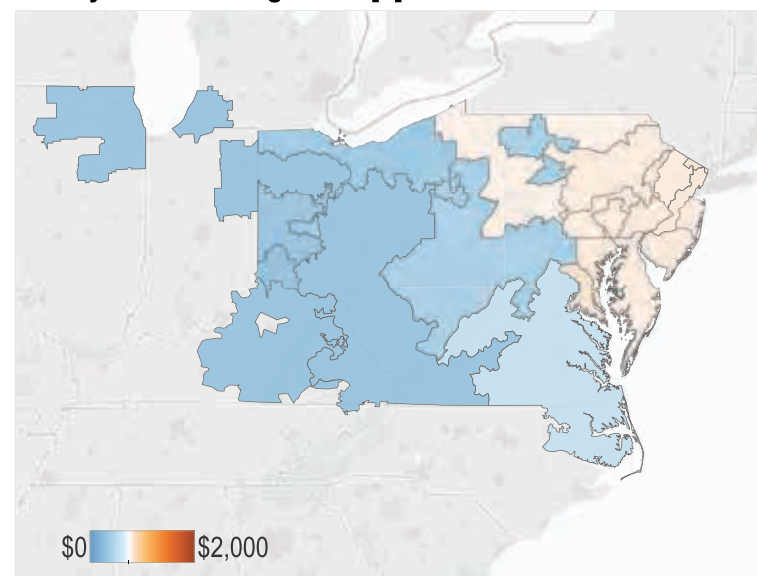
Legend



## Scenario: 183

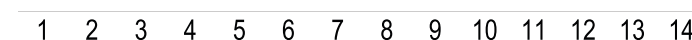
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.04M

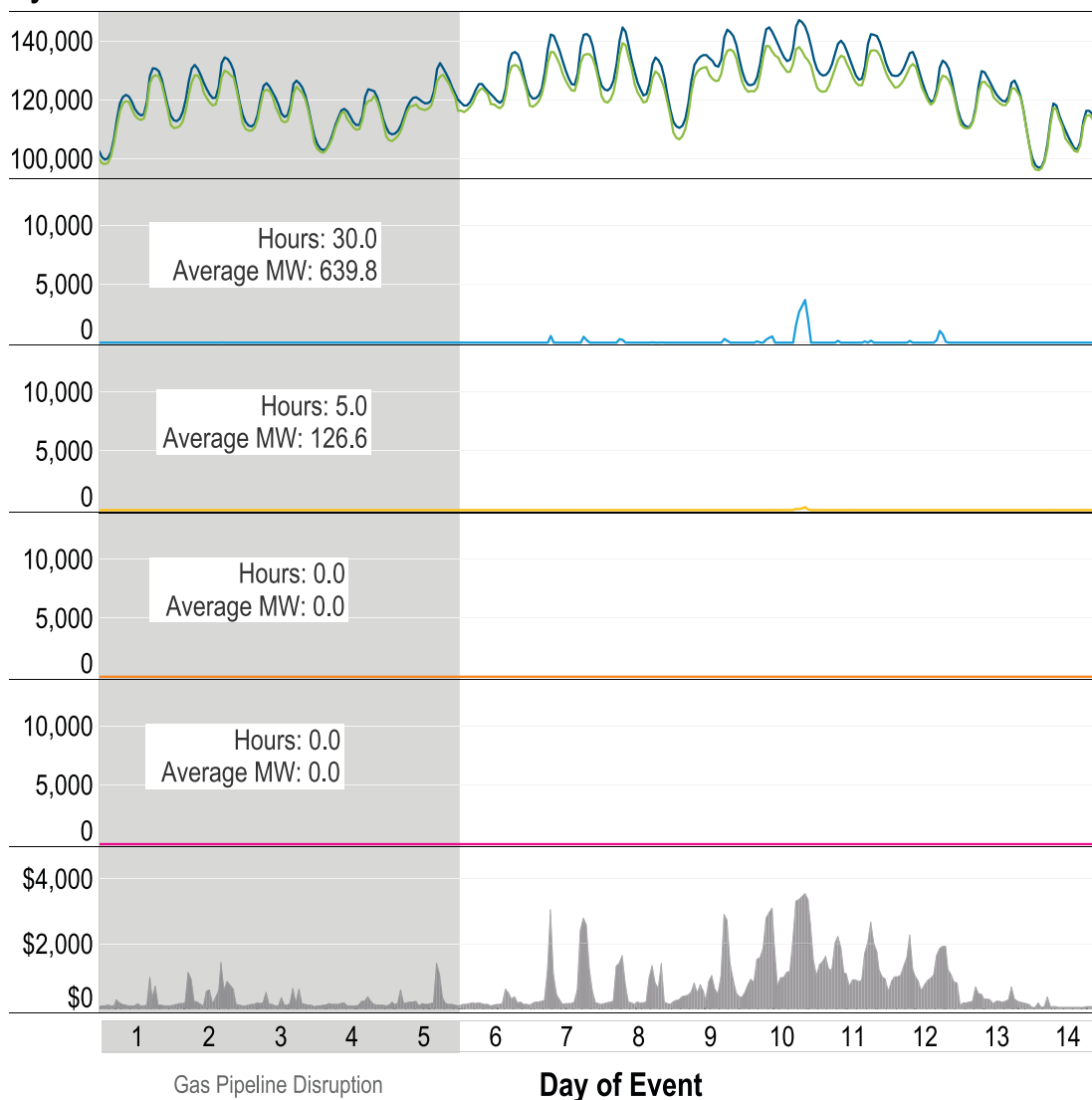


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



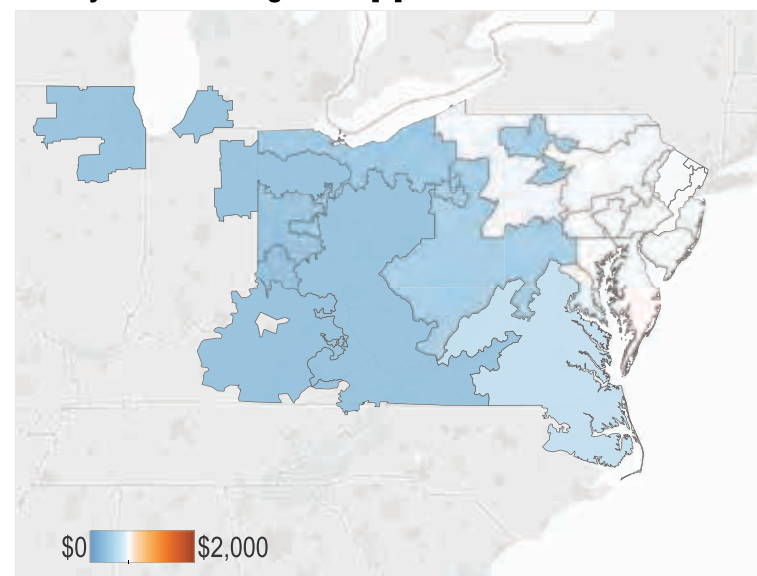
Legend



## Scenario: 184

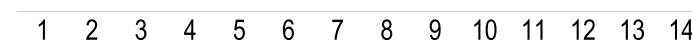
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.86M



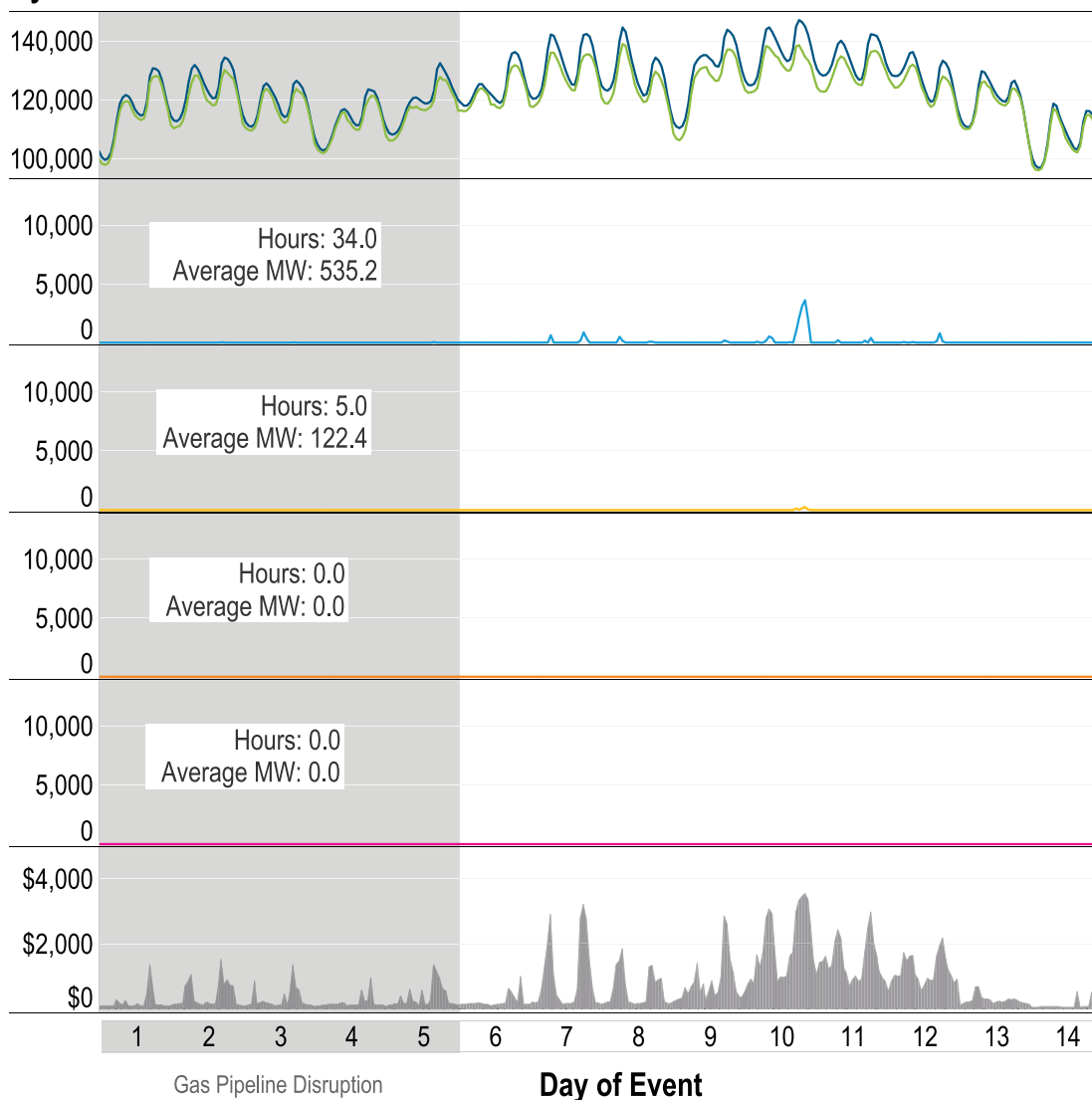
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



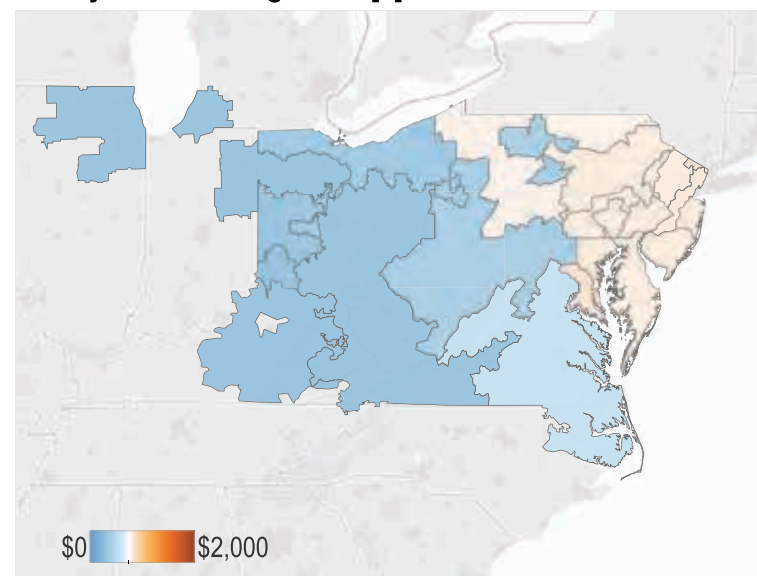
Legend



## Scenario: 185

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.00M



1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

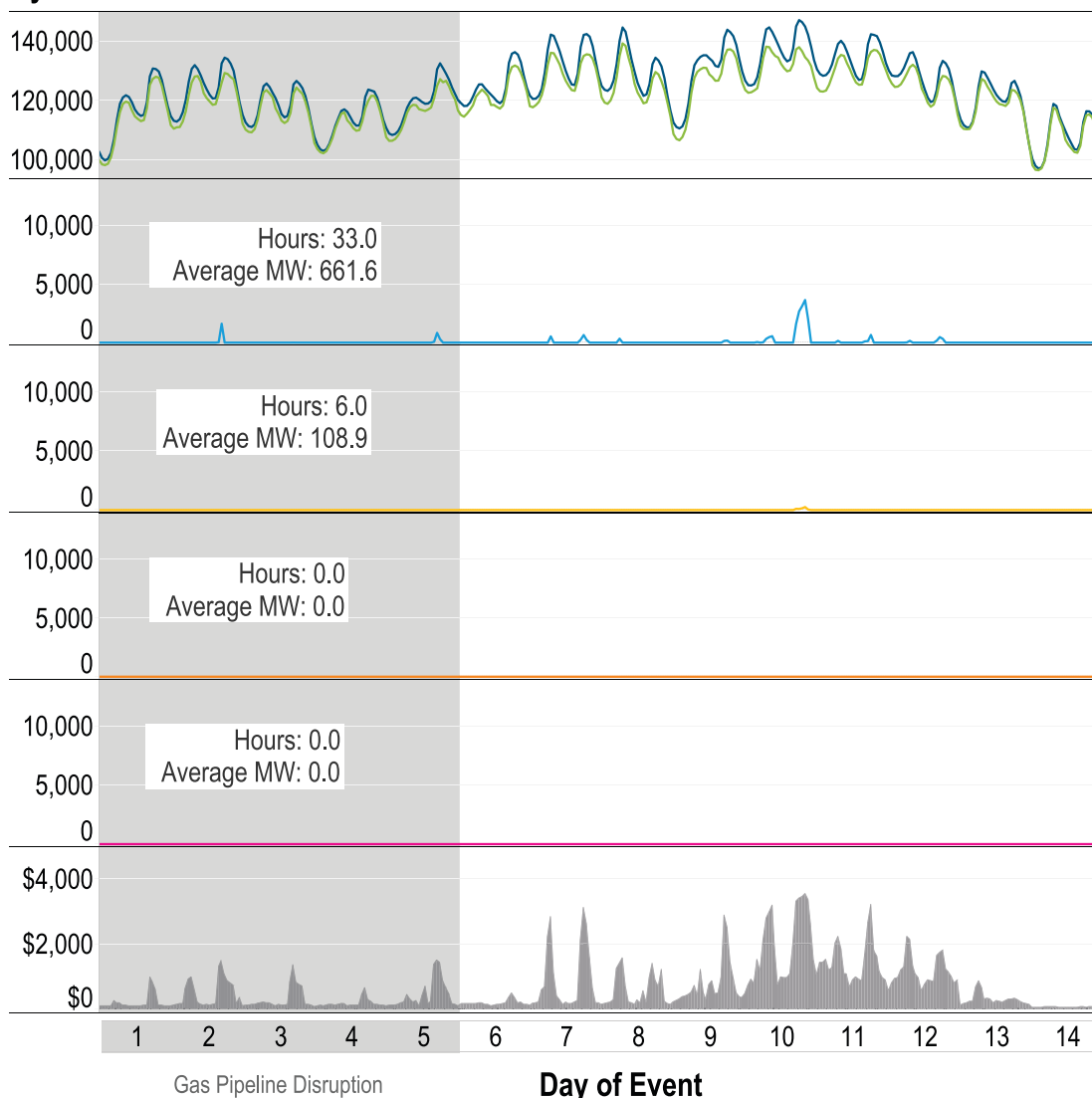
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



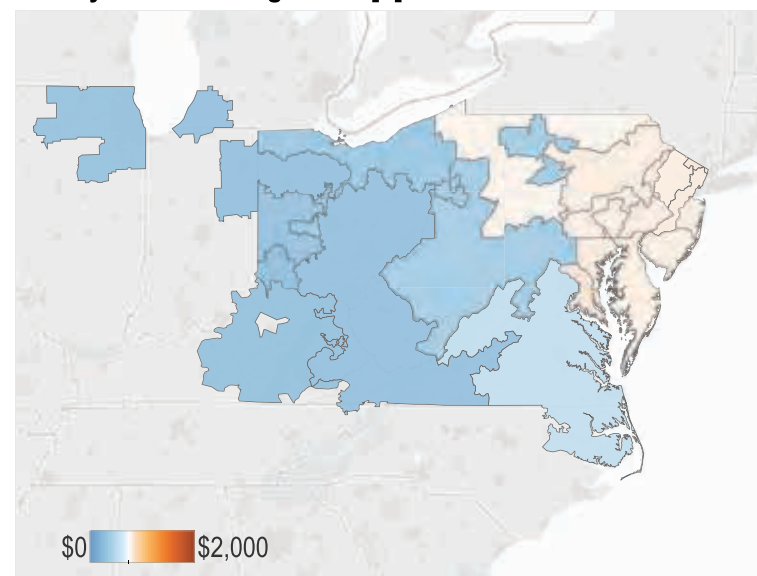
Legend



## Scenario: 186

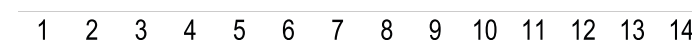
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.93M

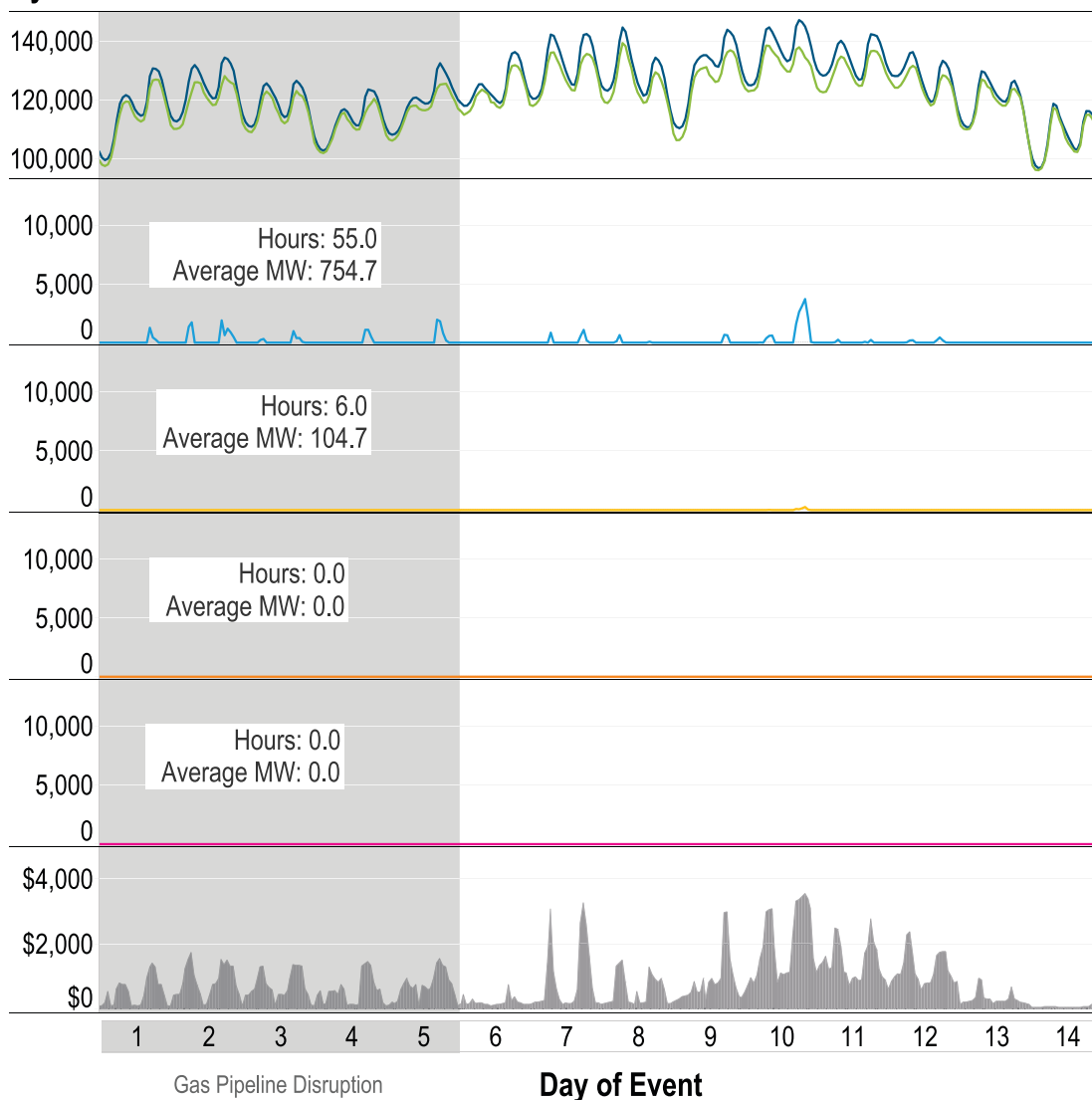


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



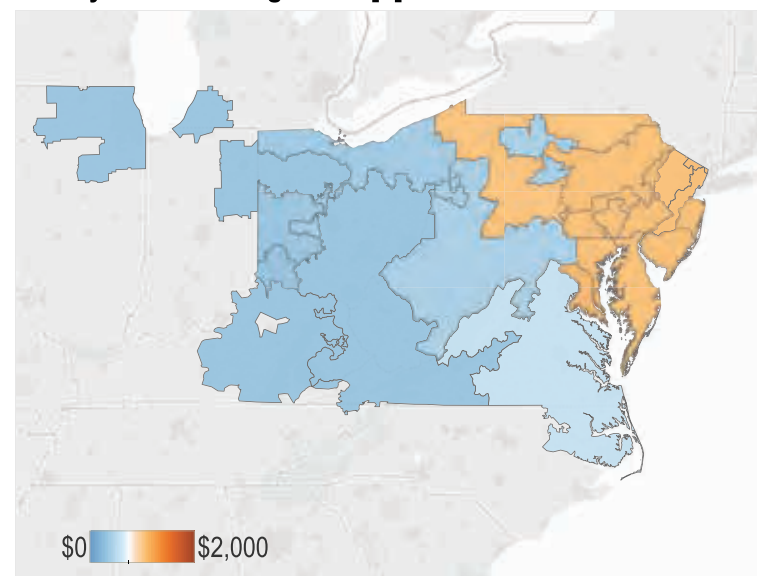
Legend



## Scenario: 187

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.25M

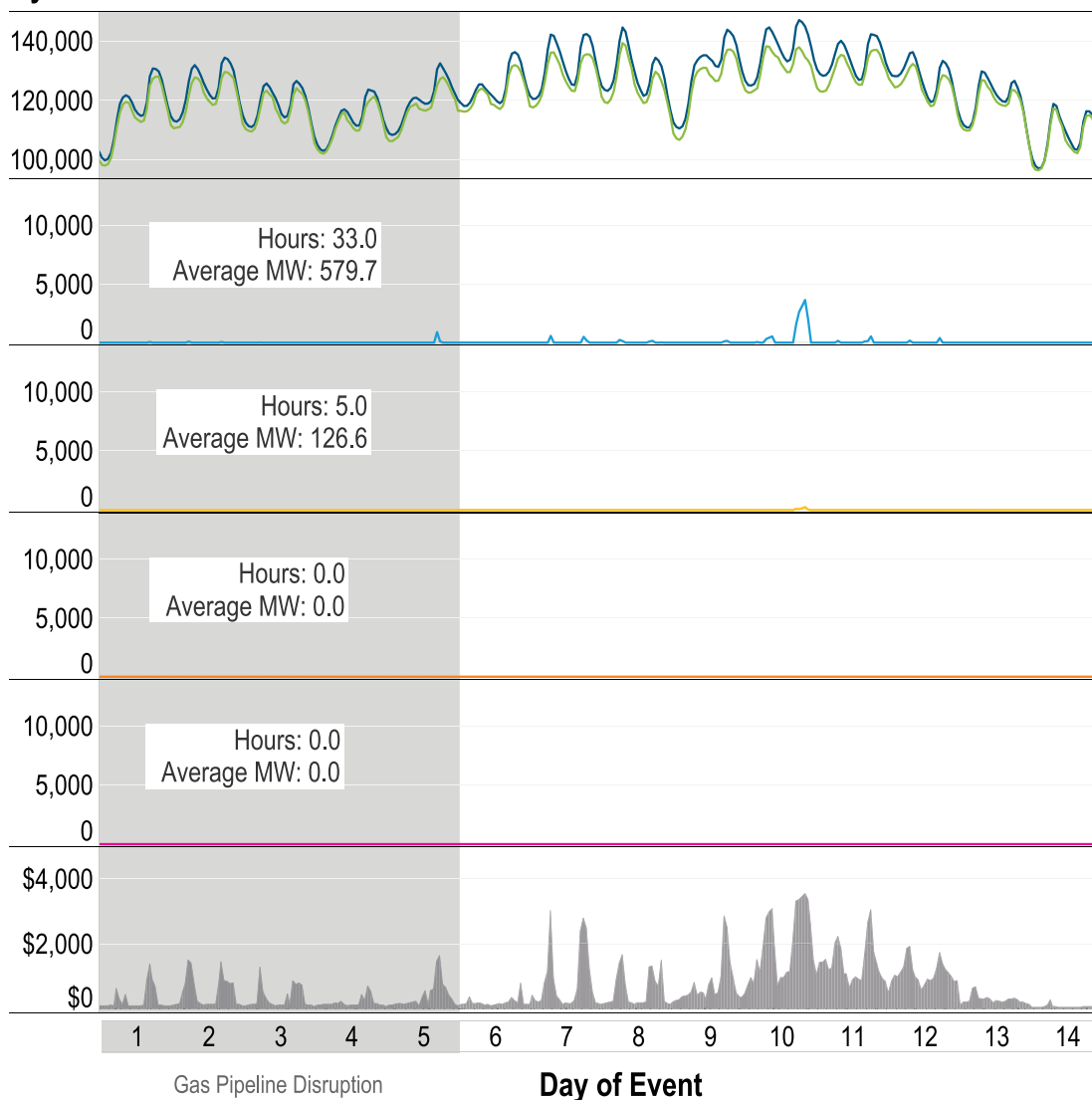


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



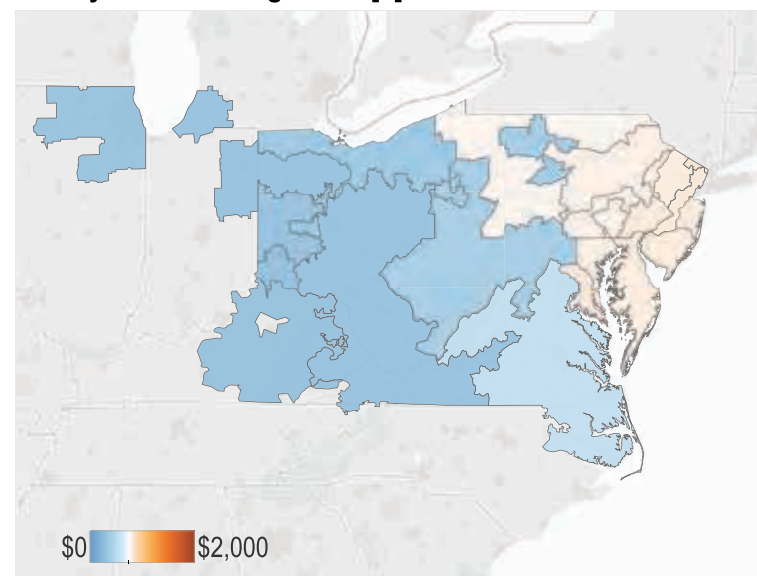
Legend



## Scenario: 188

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.00M



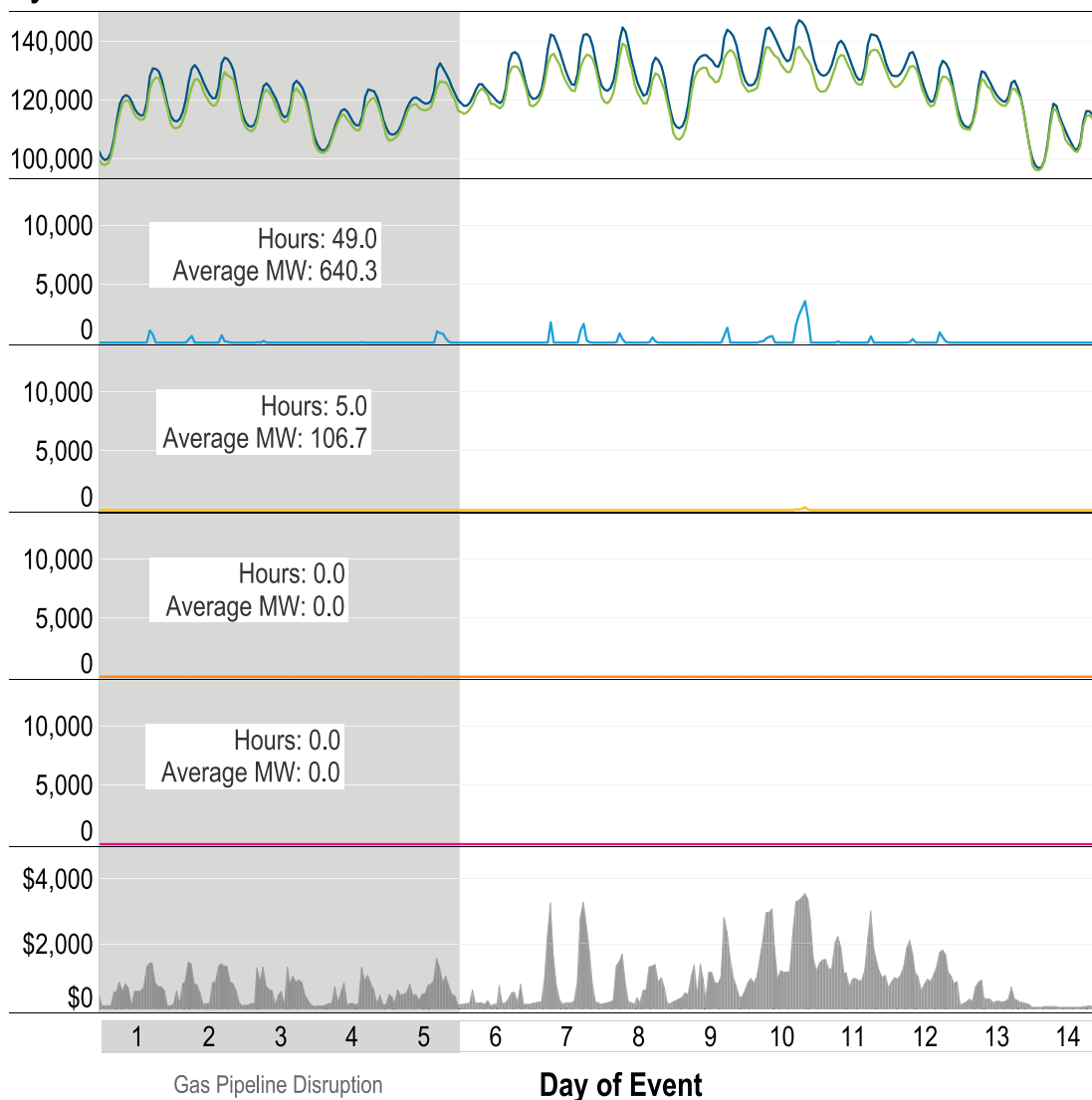
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



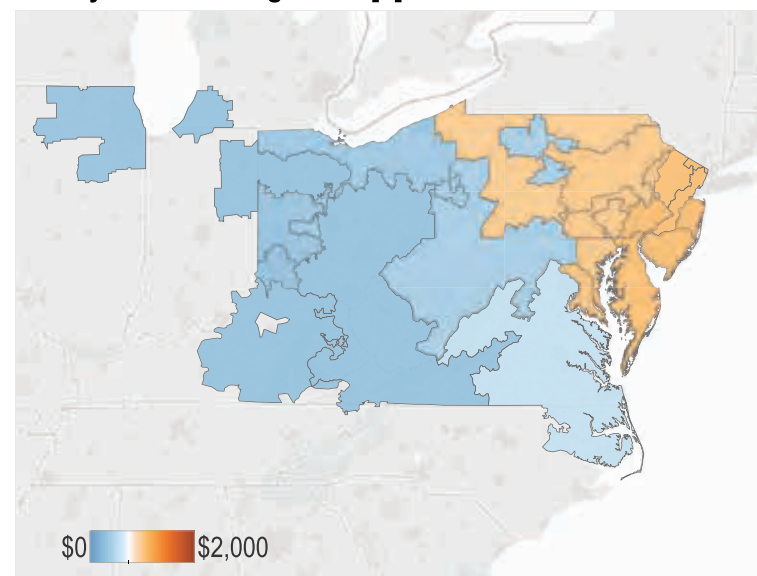
Legend



## Scenario: 189

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 2.30M



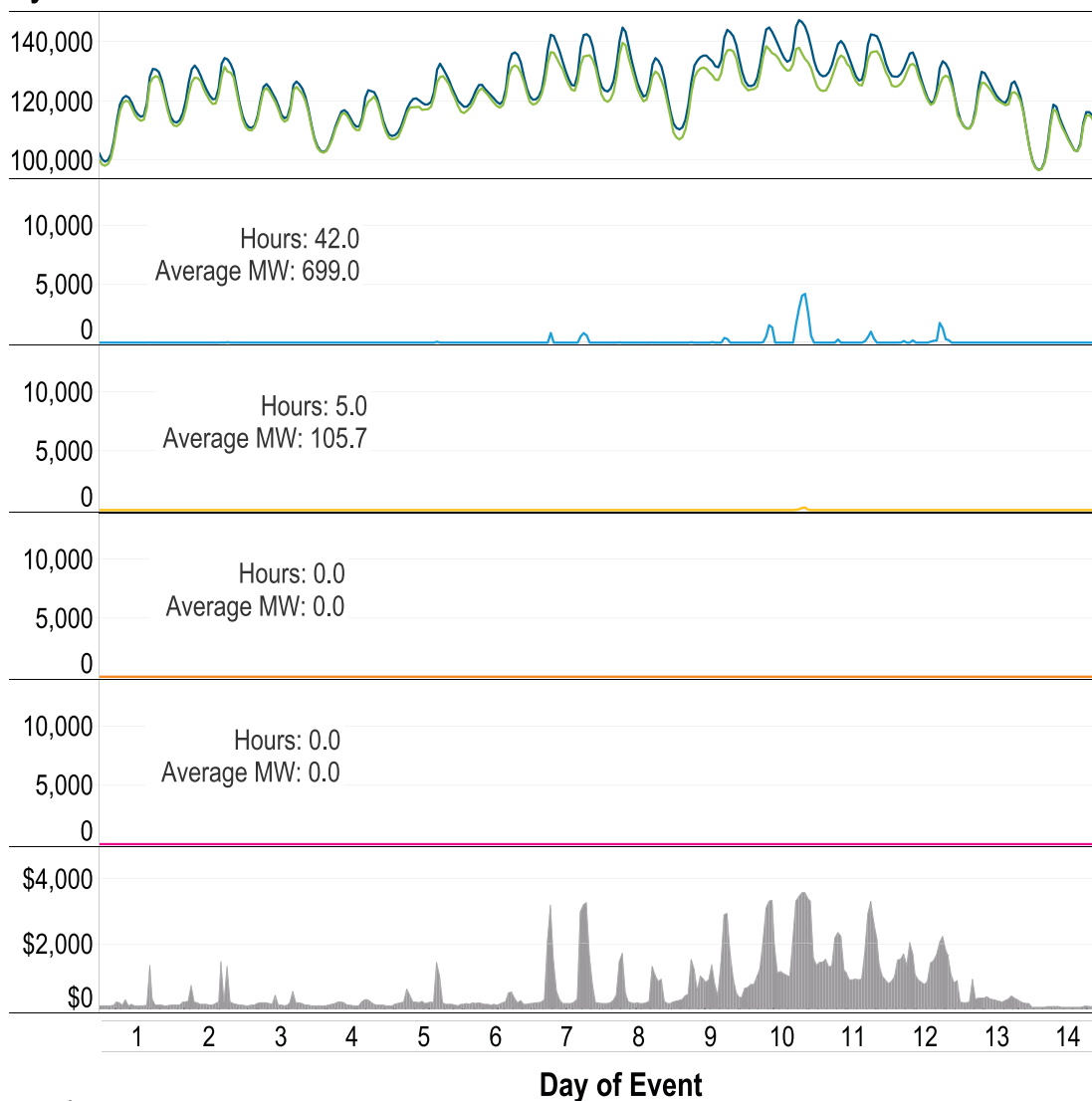
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

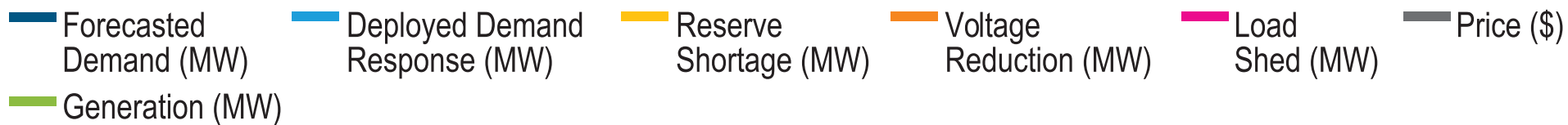
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



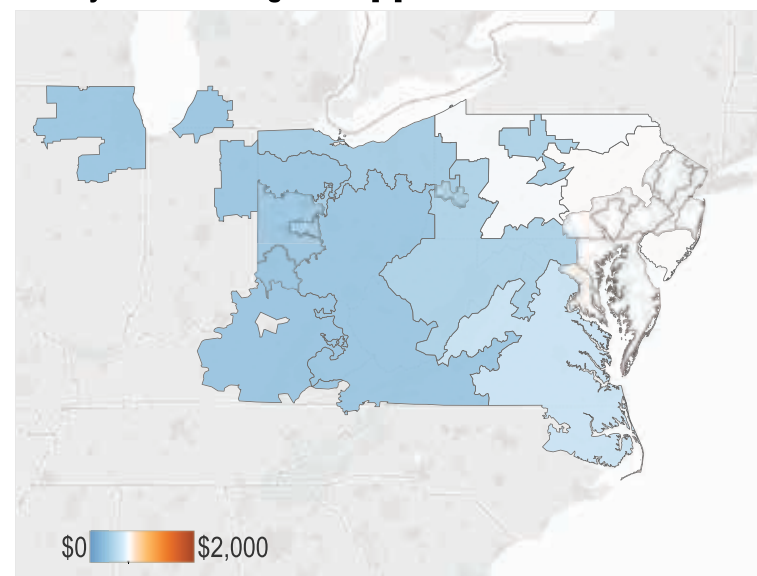
Legend



## Scenario: 190

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.19M

1	1	1	2	2	2	4	13	13	19	27	28	27	27
---	---	---	---	---	---	---	----	----	----	----	----	----	----

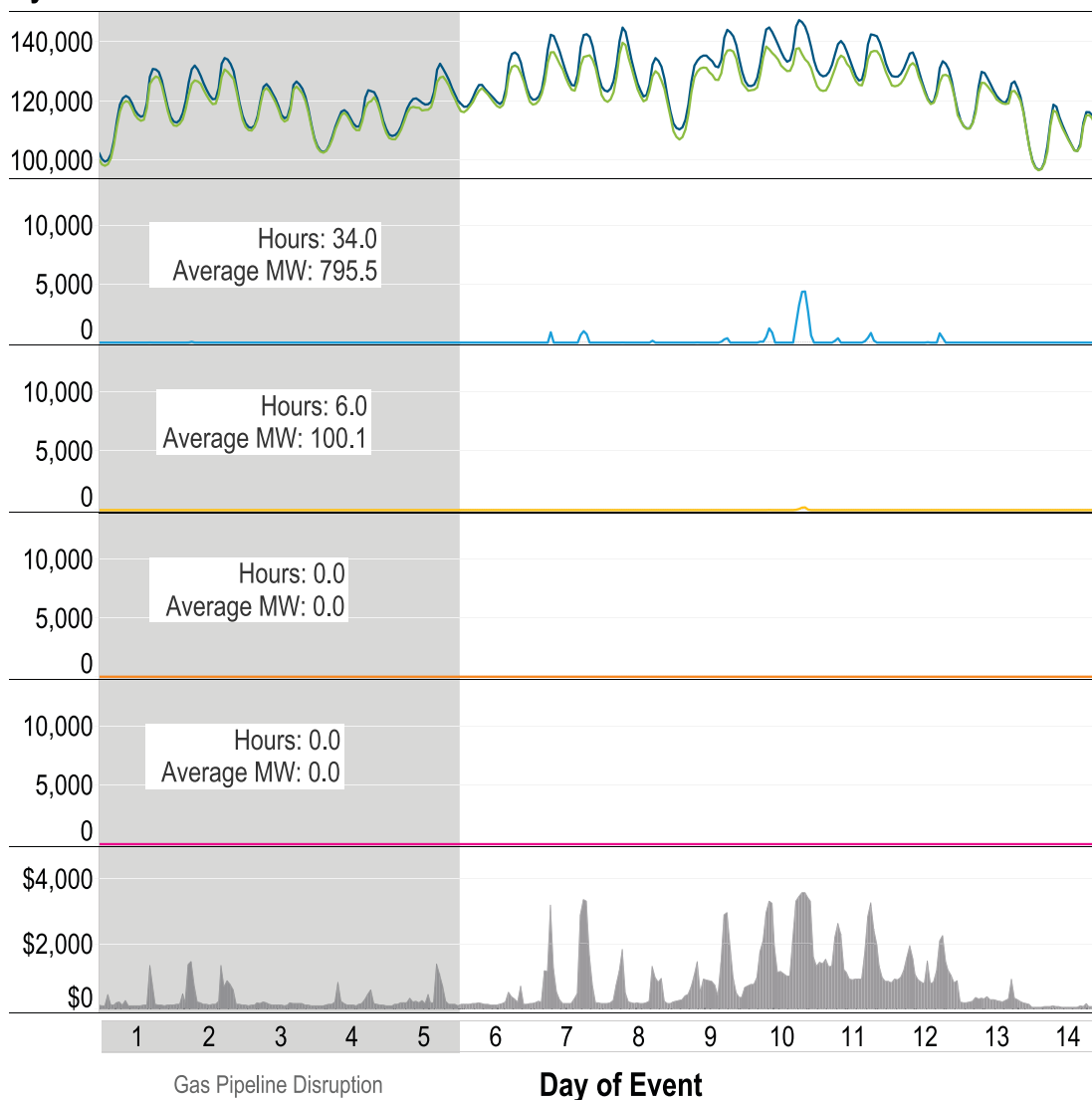
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

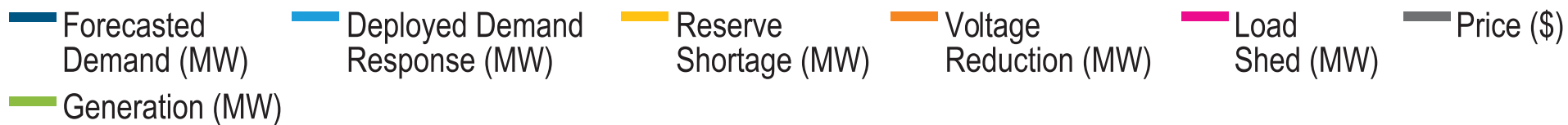
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



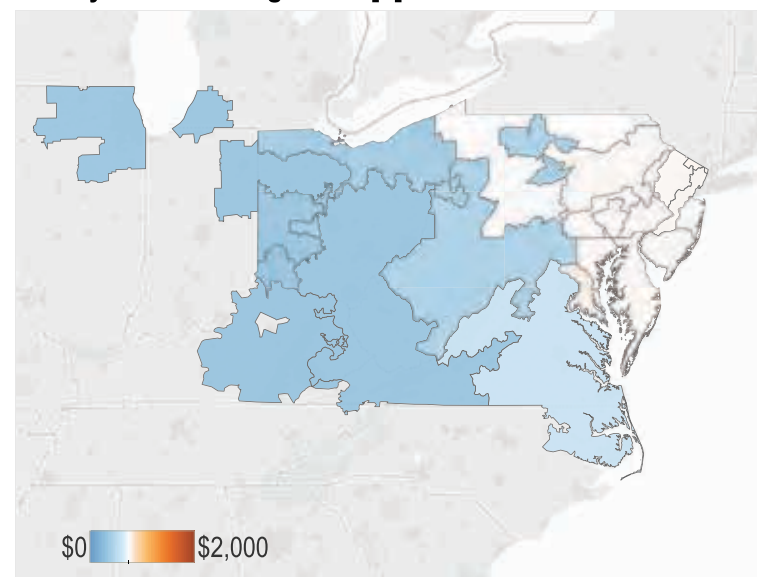
Legend



## Scenario: 191

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.25M

1	1	1	2	2	2	5	14	14	21	27	28	27	27
---	---	---	---	---	---	---	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

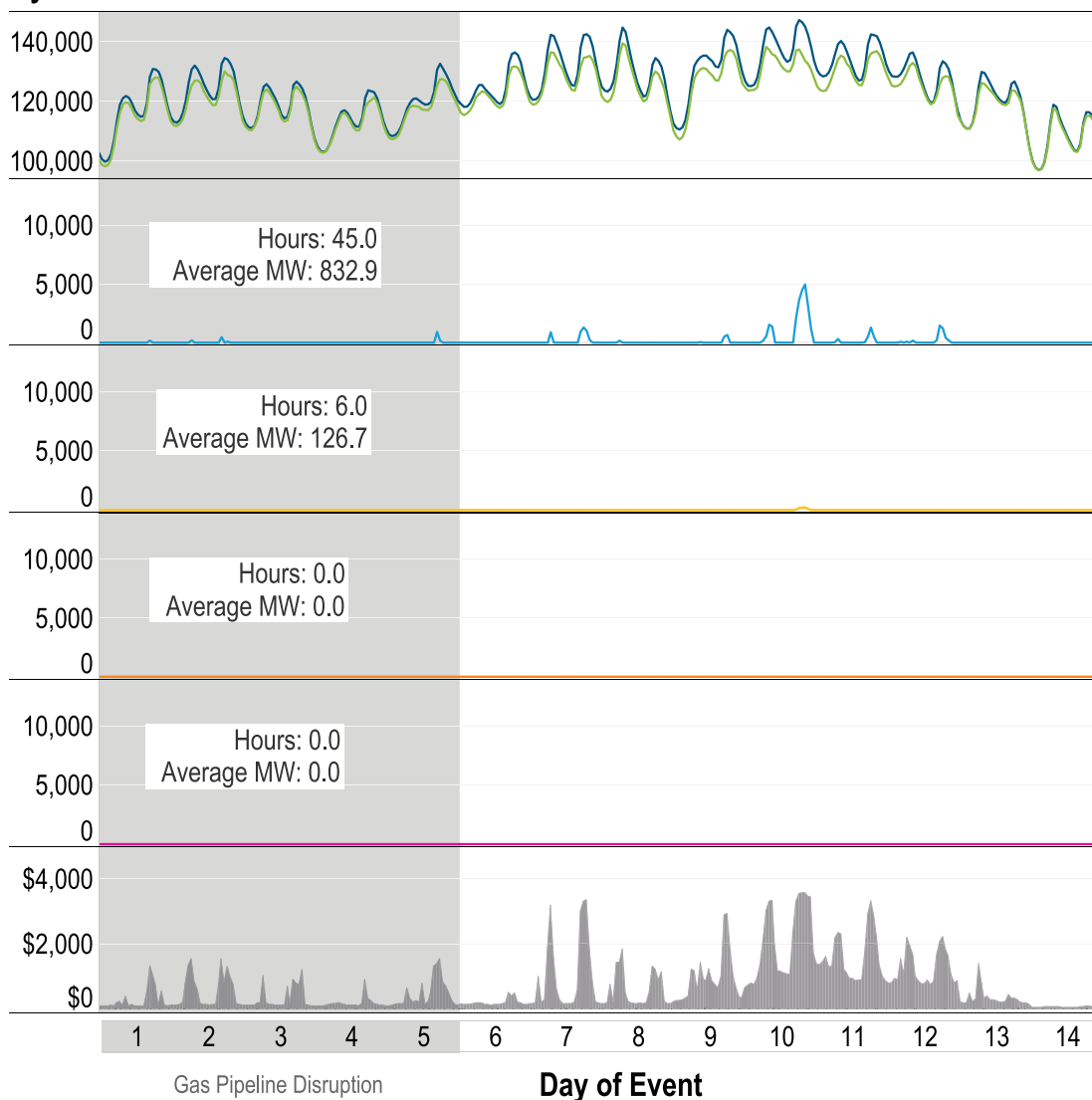
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



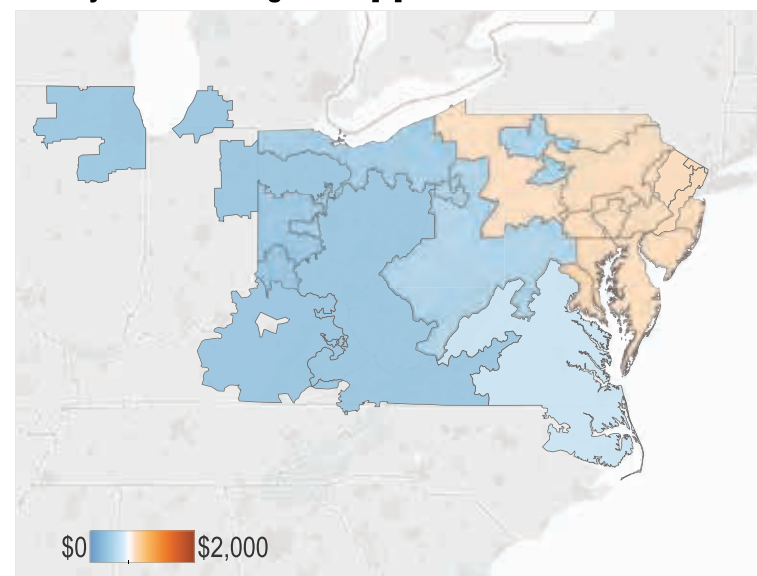
Legend



## Scenario: 192

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.28M

1	1	1	2	4	4	6	17	18	23	33	34	33	33
---	---	---	---	---	---	---	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

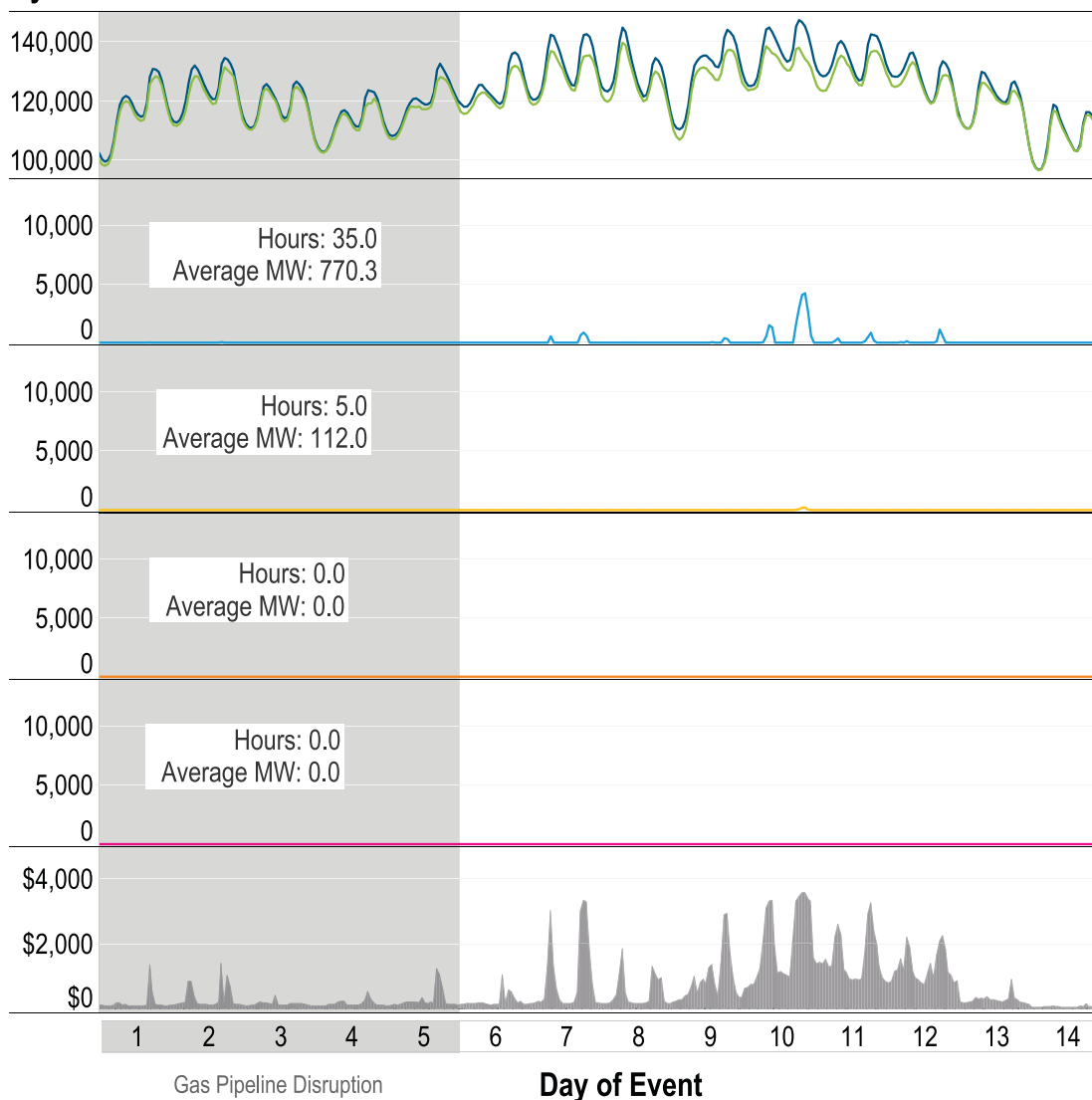
\*141 Total Sites

Day of Event

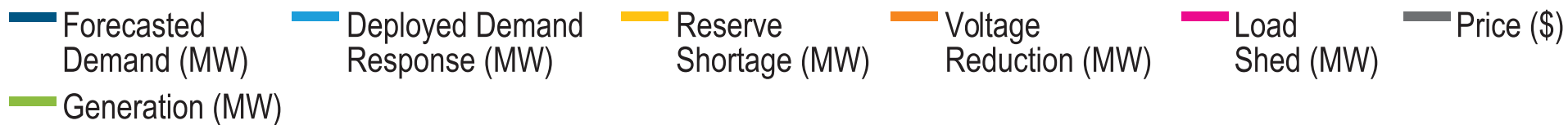
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



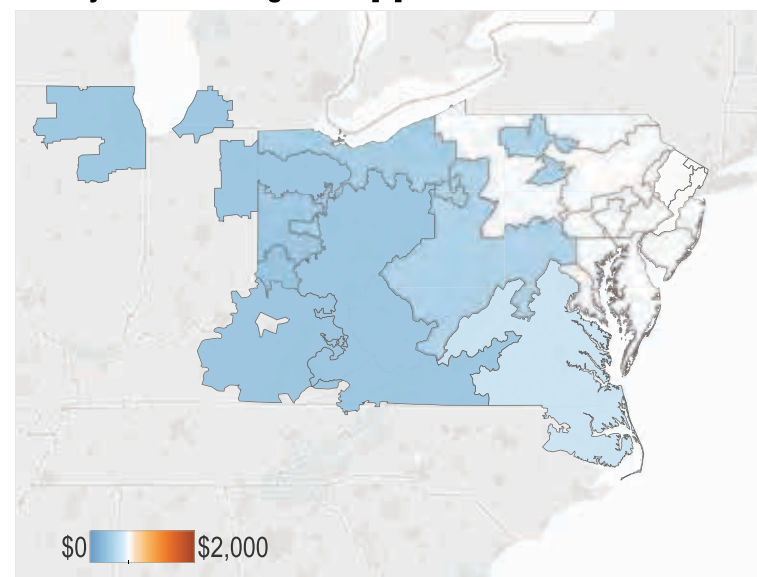
Legend



## Scenario: 193

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.25M

1	1	1	2	2	2	4	13	14	20	27	28	27	27
---	---	---	---	---	---	---	----	----	----	----	----	----	----

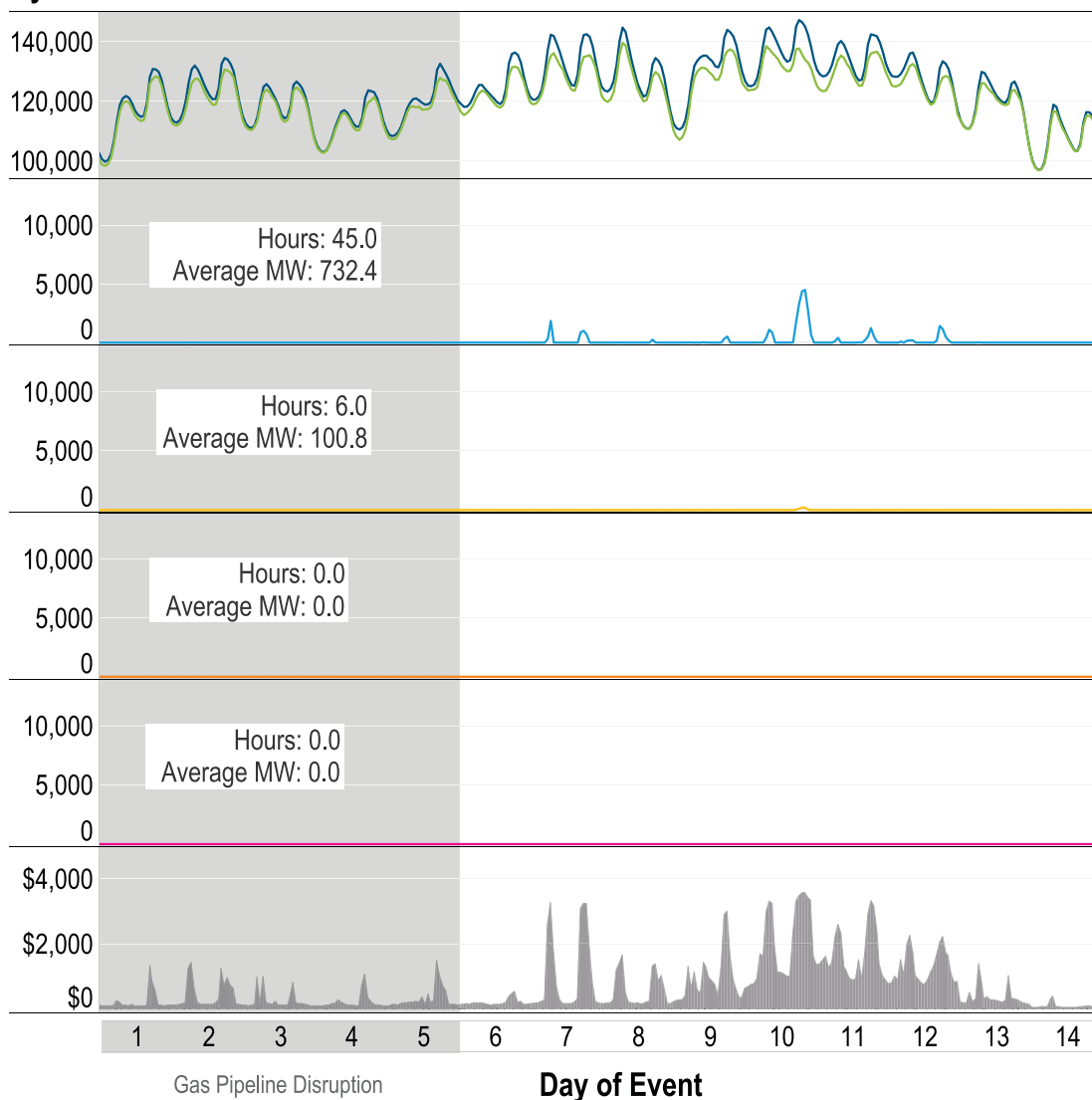
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



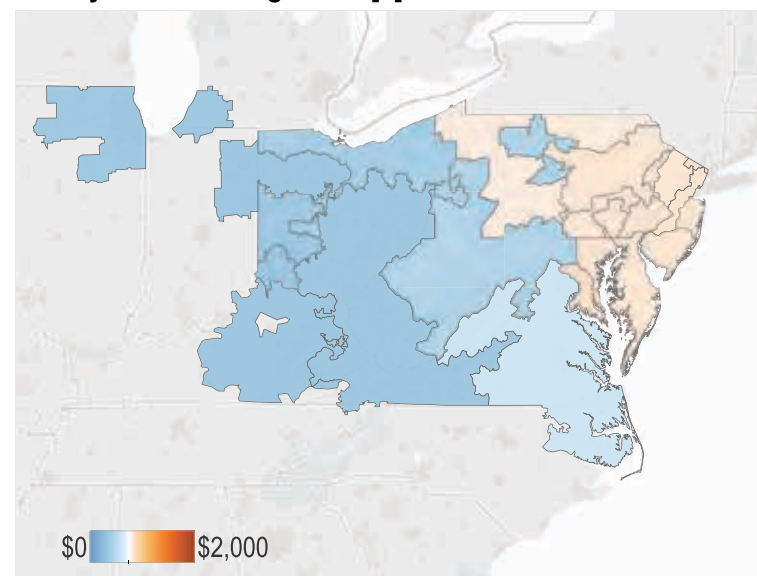
Legend



## Scenario: 194

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.27M

1	1	1	2	2	2	4	15	14	21	28	31	30	30
---	---	---	---	---	---	---	----	----	----	----	----	----	----

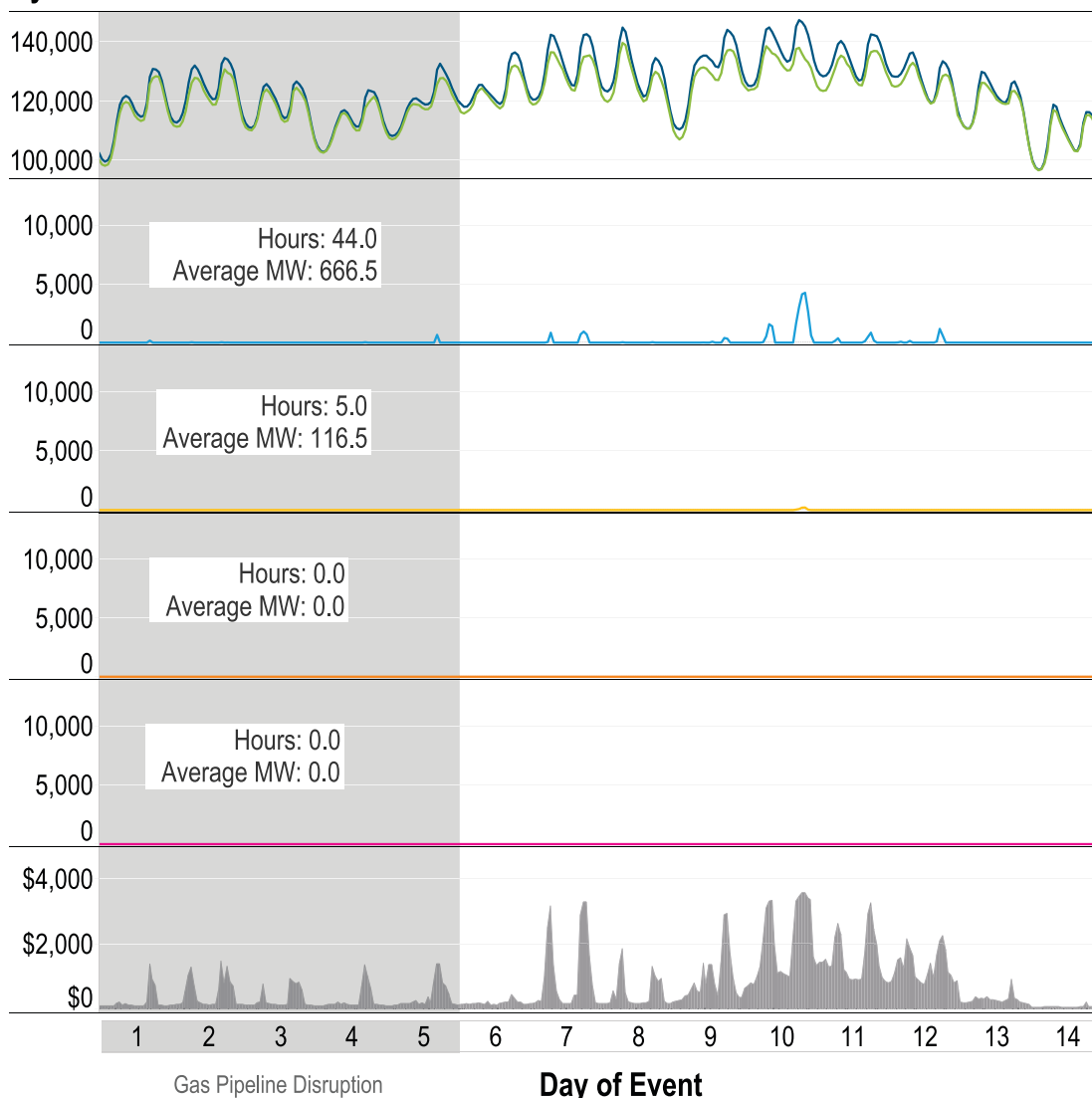
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



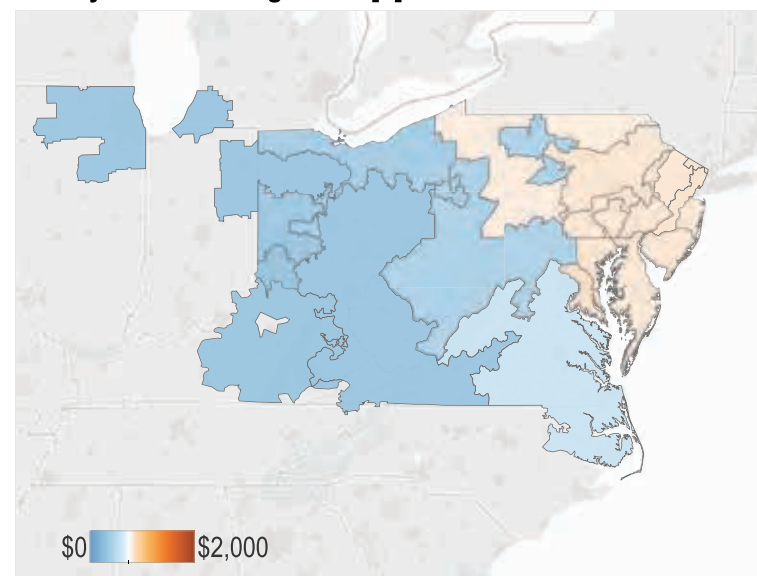
Legend



## Scenario: 195

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.30M

1	1	1	2	3	3	5	16	15	21	28	30	29	29
---	---	---	---	---	---	---	----	----	----	----	----	----	----

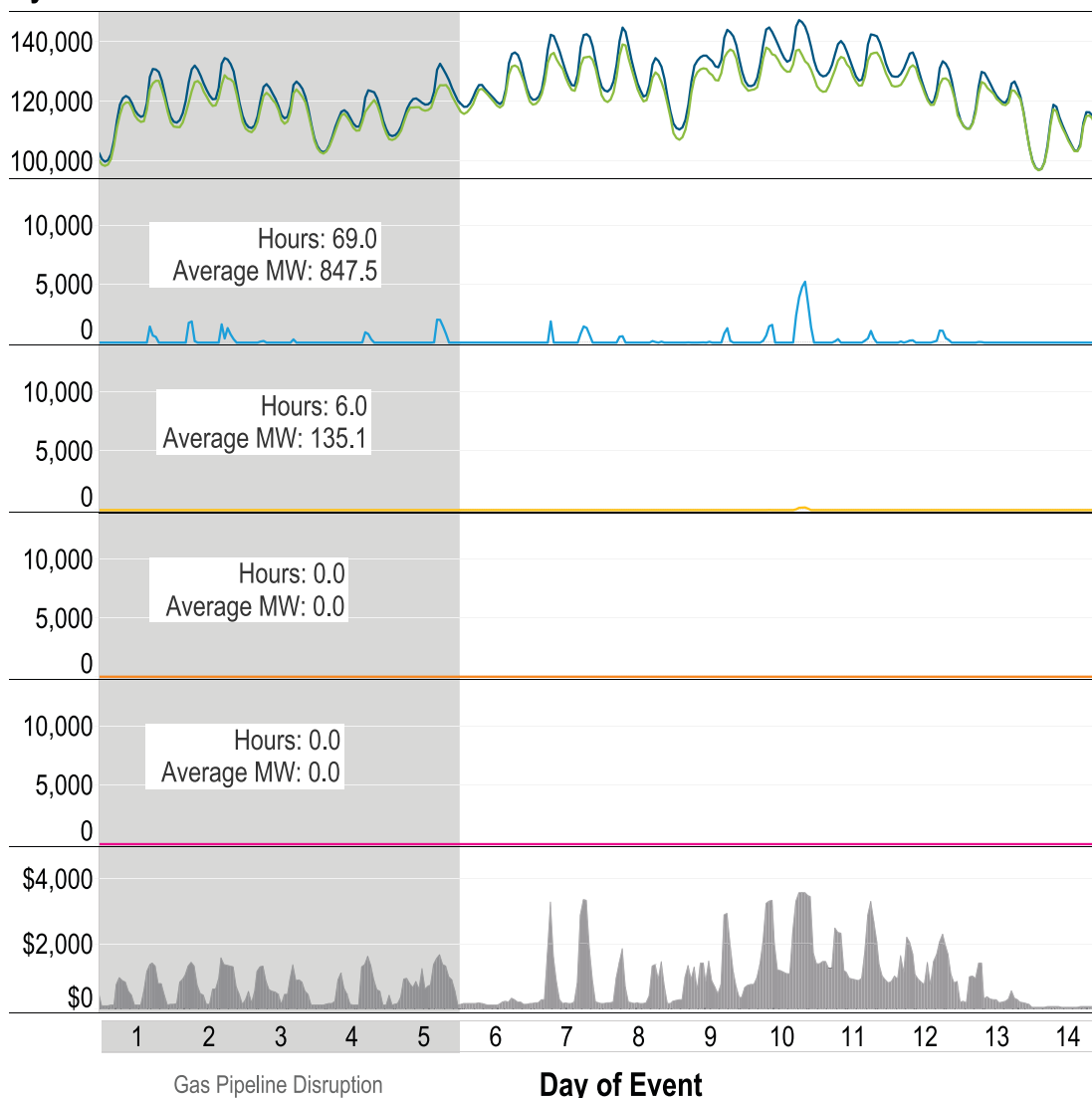
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



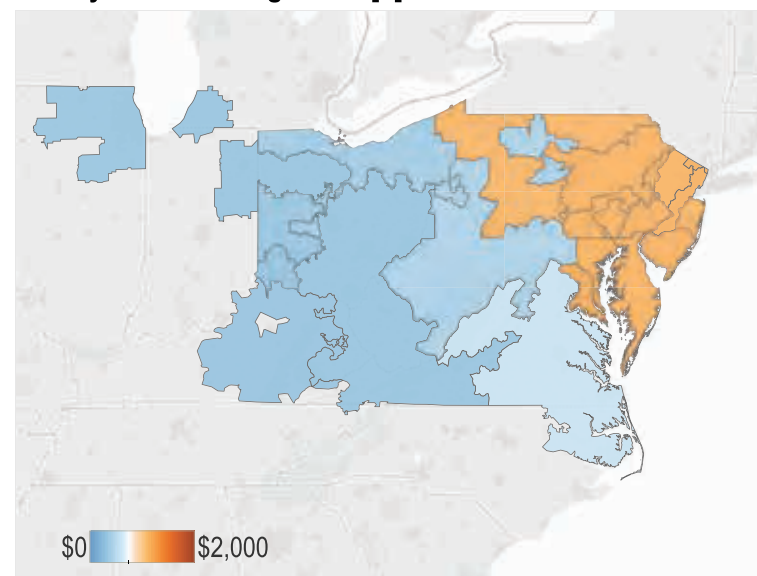
Legend



## Scenario: 196

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.56M

1	4	8	11	16	16	21	31	32	34	40	42	41	40
---	---	---	----	----	----	----	----	----	----	----	----	----	----

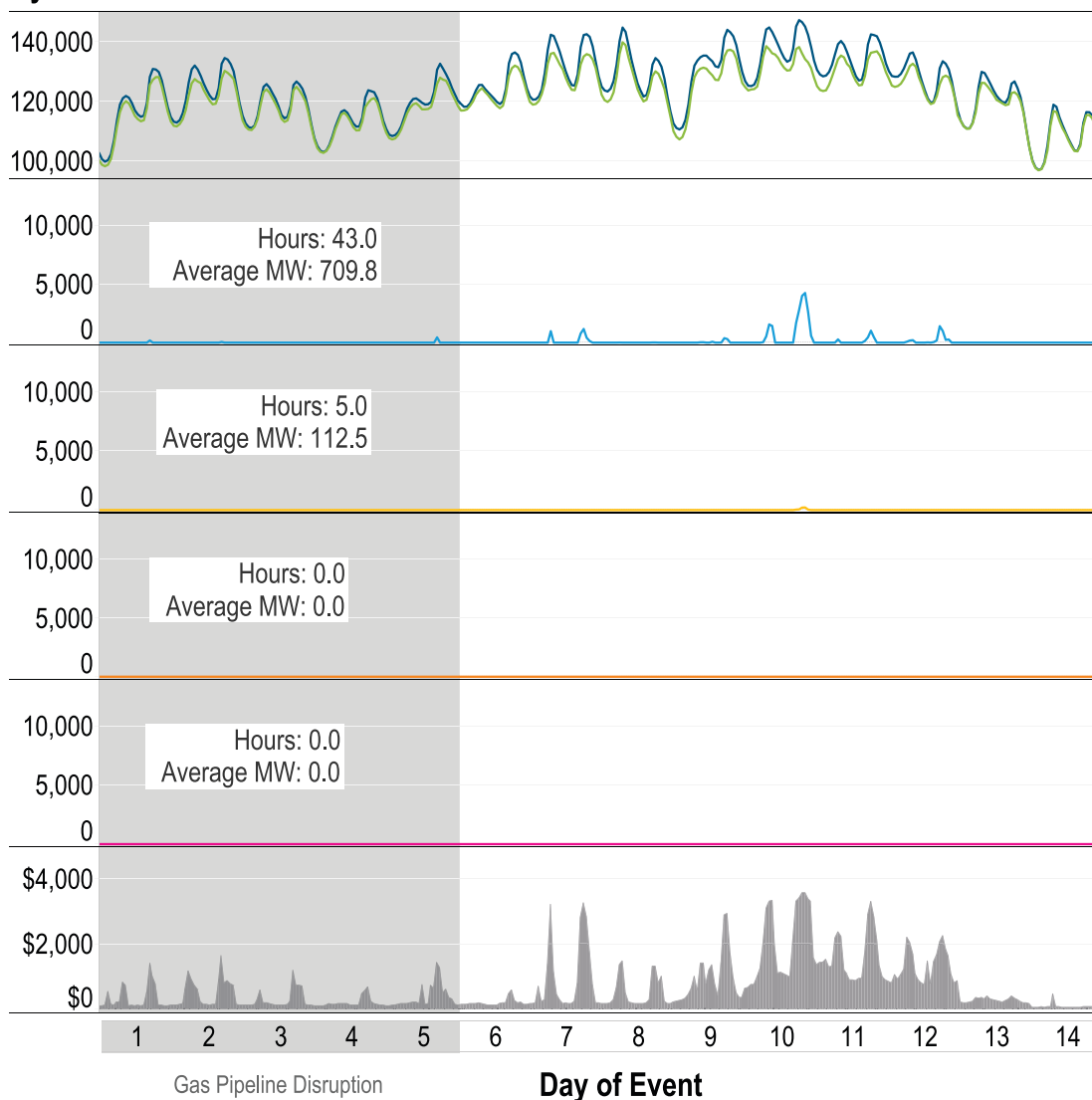
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



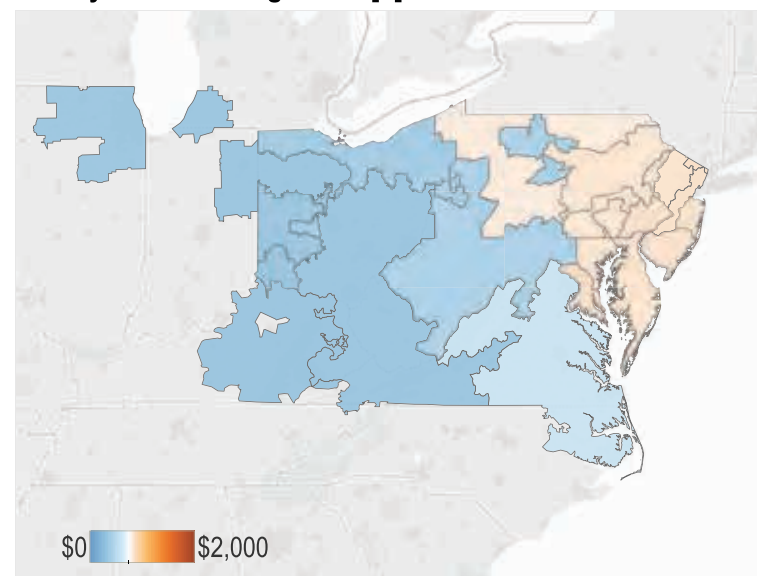
Legend



## Scenario: 197

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.25M

1	1	1	2	3	3	6	16	17	21	28	31	30	30
---	---	---	---	---	---	---	----	----	----	----	----	----	----

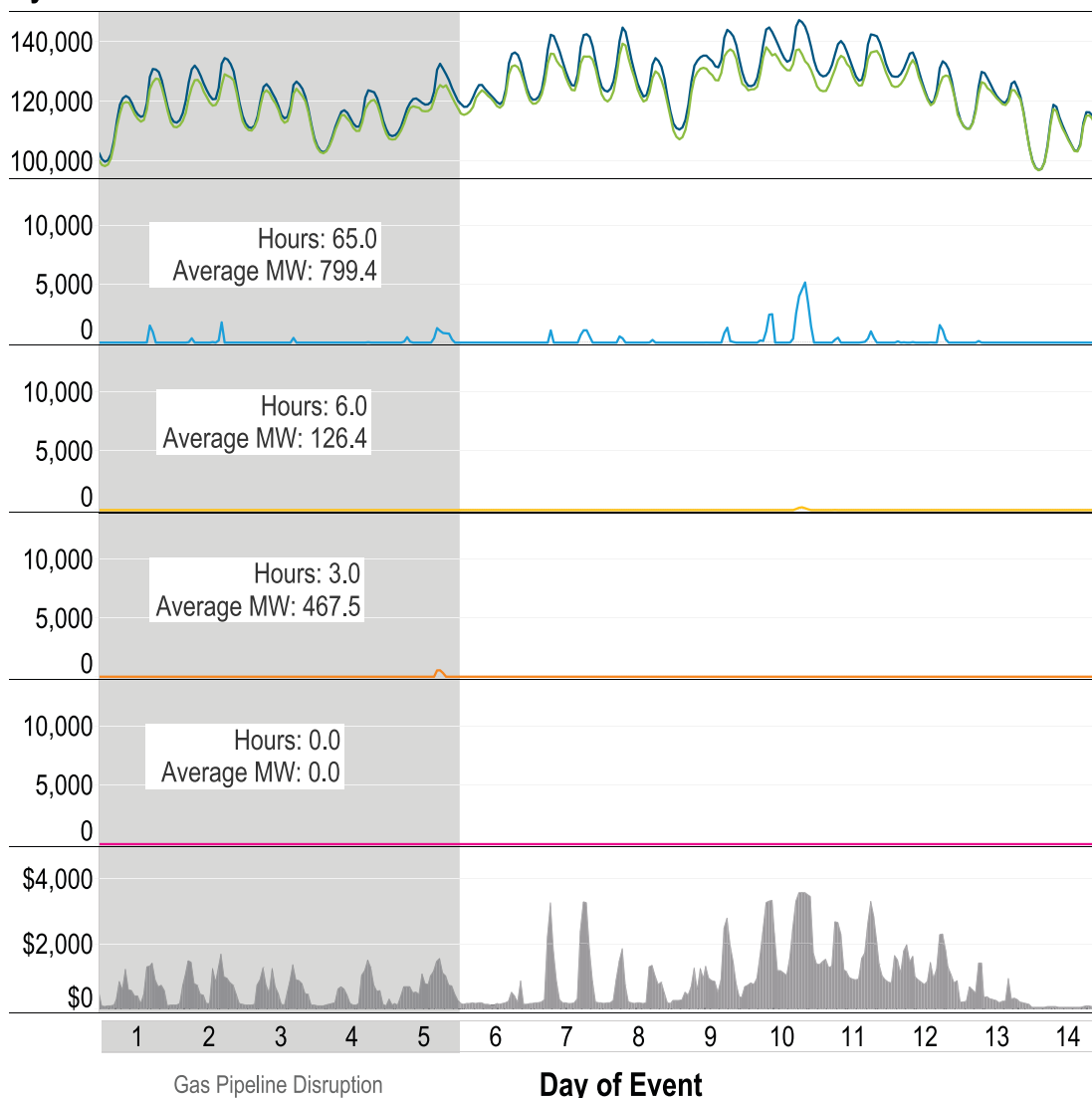
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



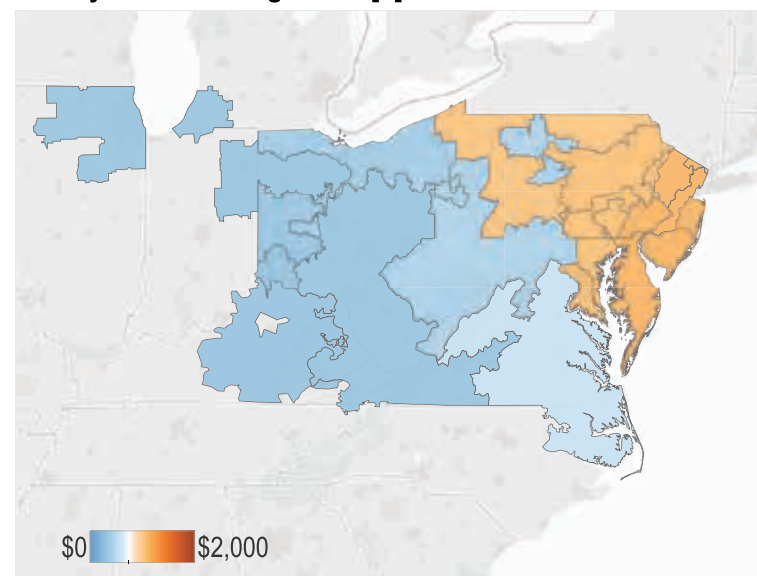
Legend



## Scenario: 198

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.59M

1	3	6	7	6	6	12	26	28	31	38	40	38	38
---	---	---	---	---	---	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

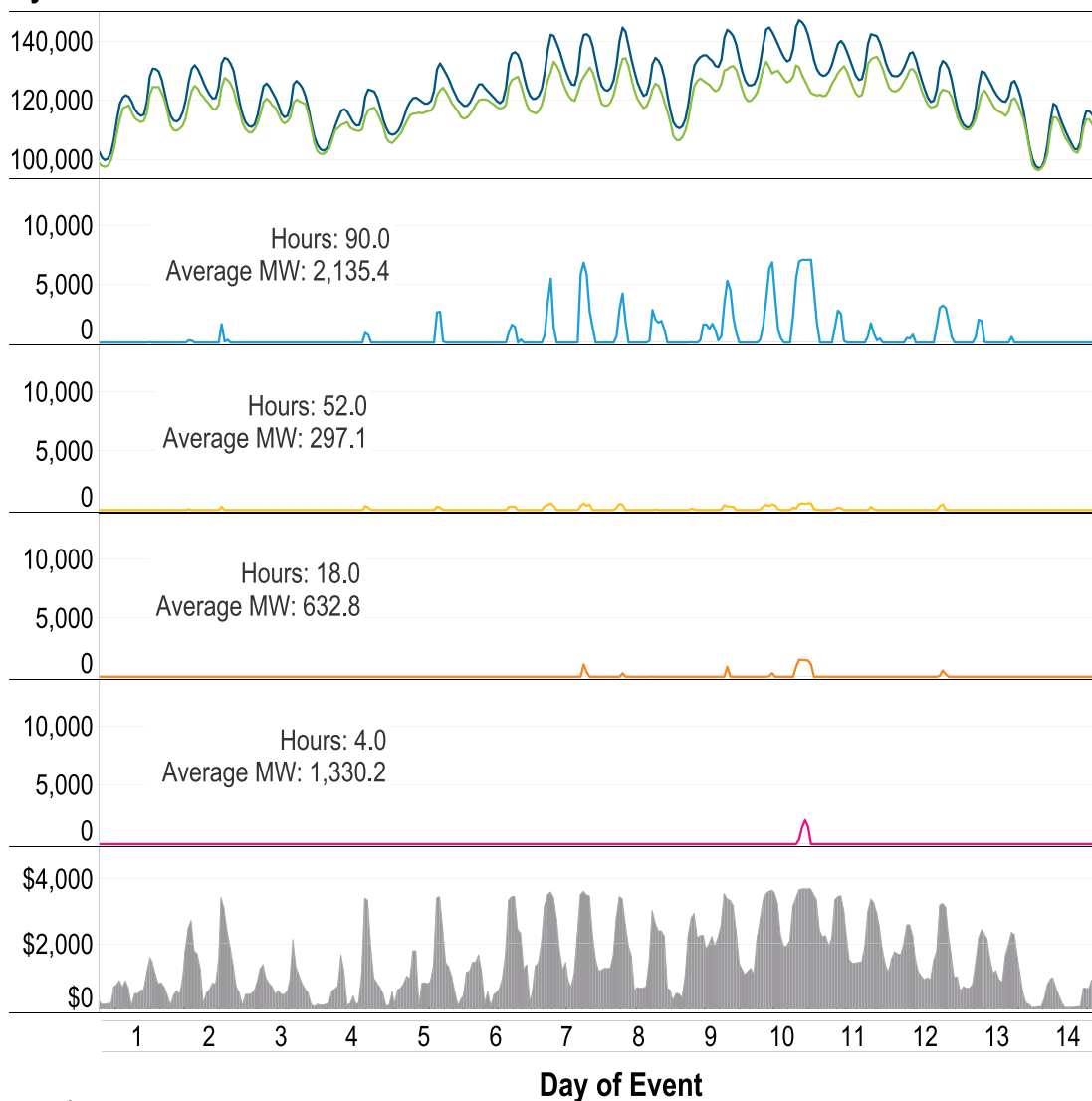
\*141 Total Sites

Day of Event

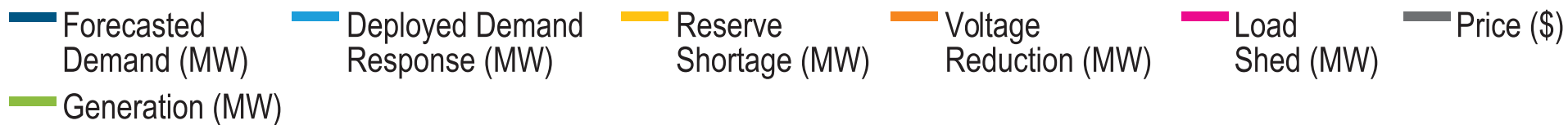
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



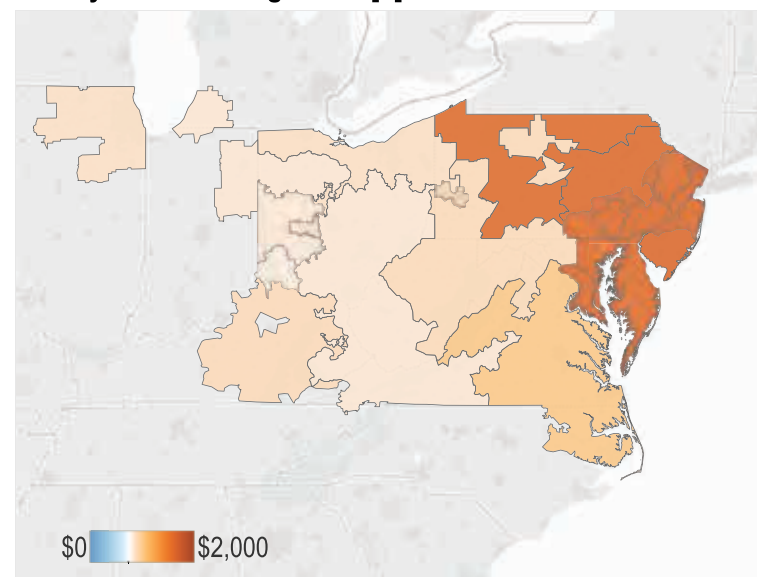
Legend



## Scenario: 199

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.71M

0	0	0	0	0	1	2	2	2	6	7	5	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

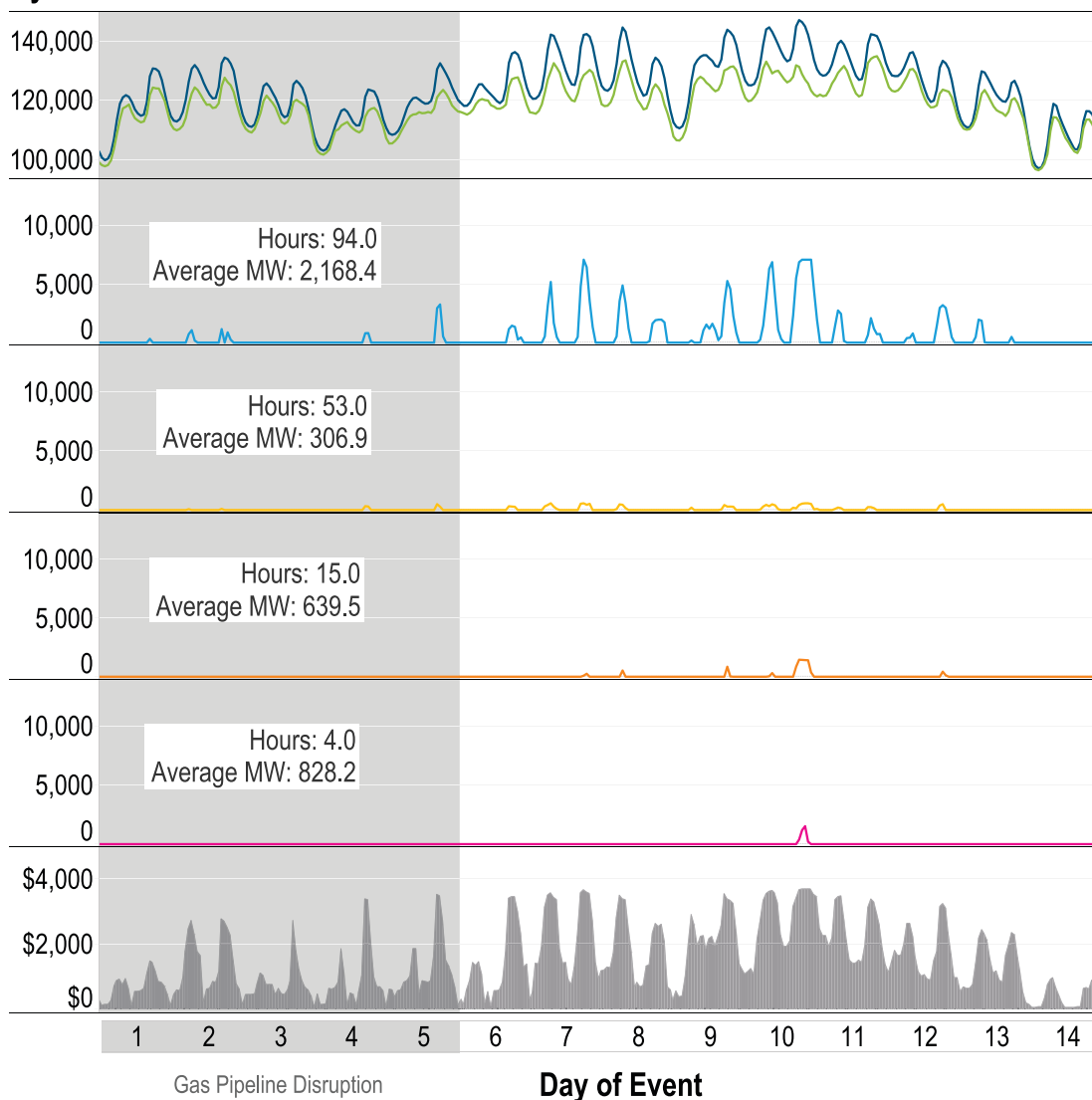
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



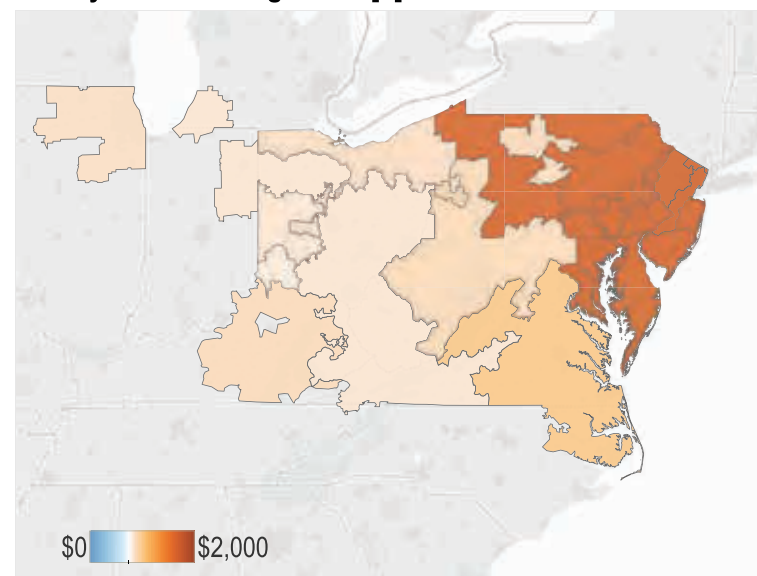
Legend



## Scenario: 200

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.80M

0	0	0	0	0	1	2	3	2	6	8	4	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

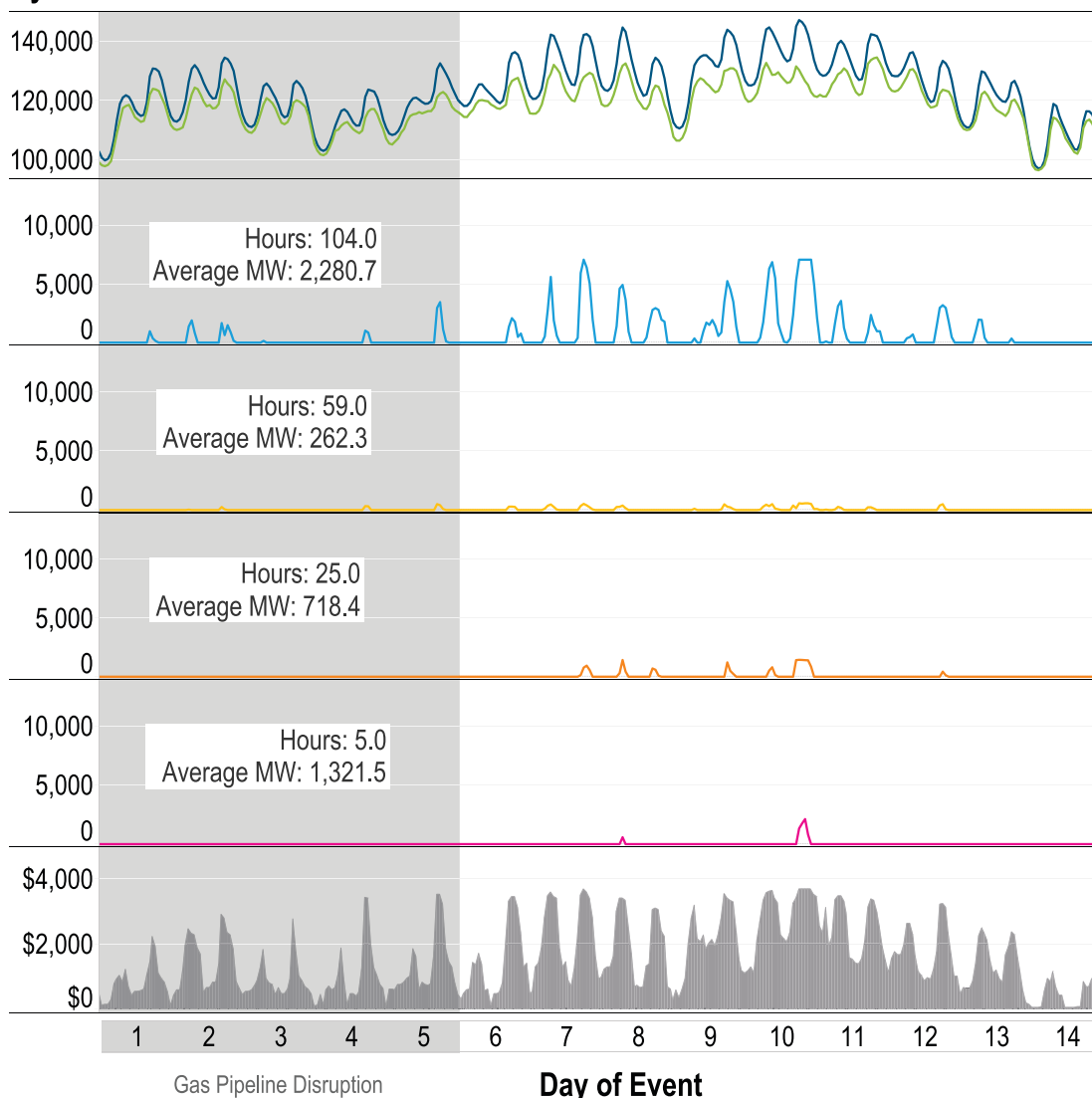
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



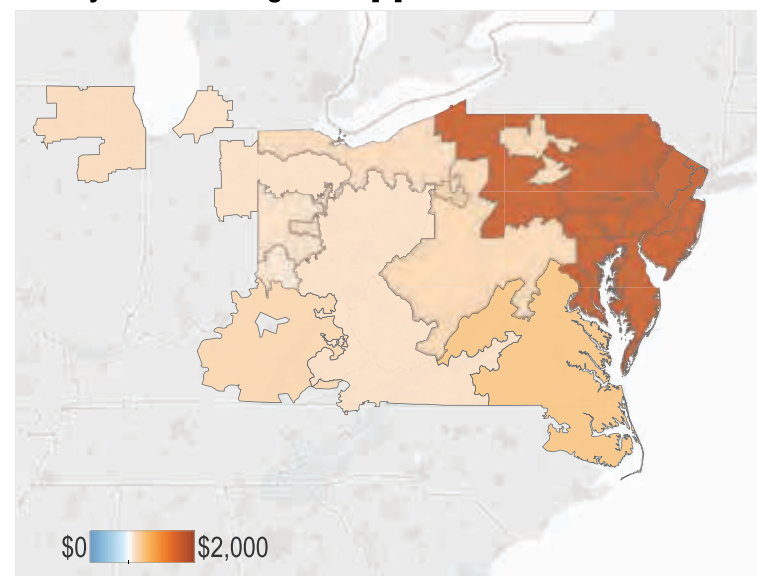
Legend



## Scenario: 201

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.00M

0	1	1	0	1	1	2	3	2	7	9	3	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

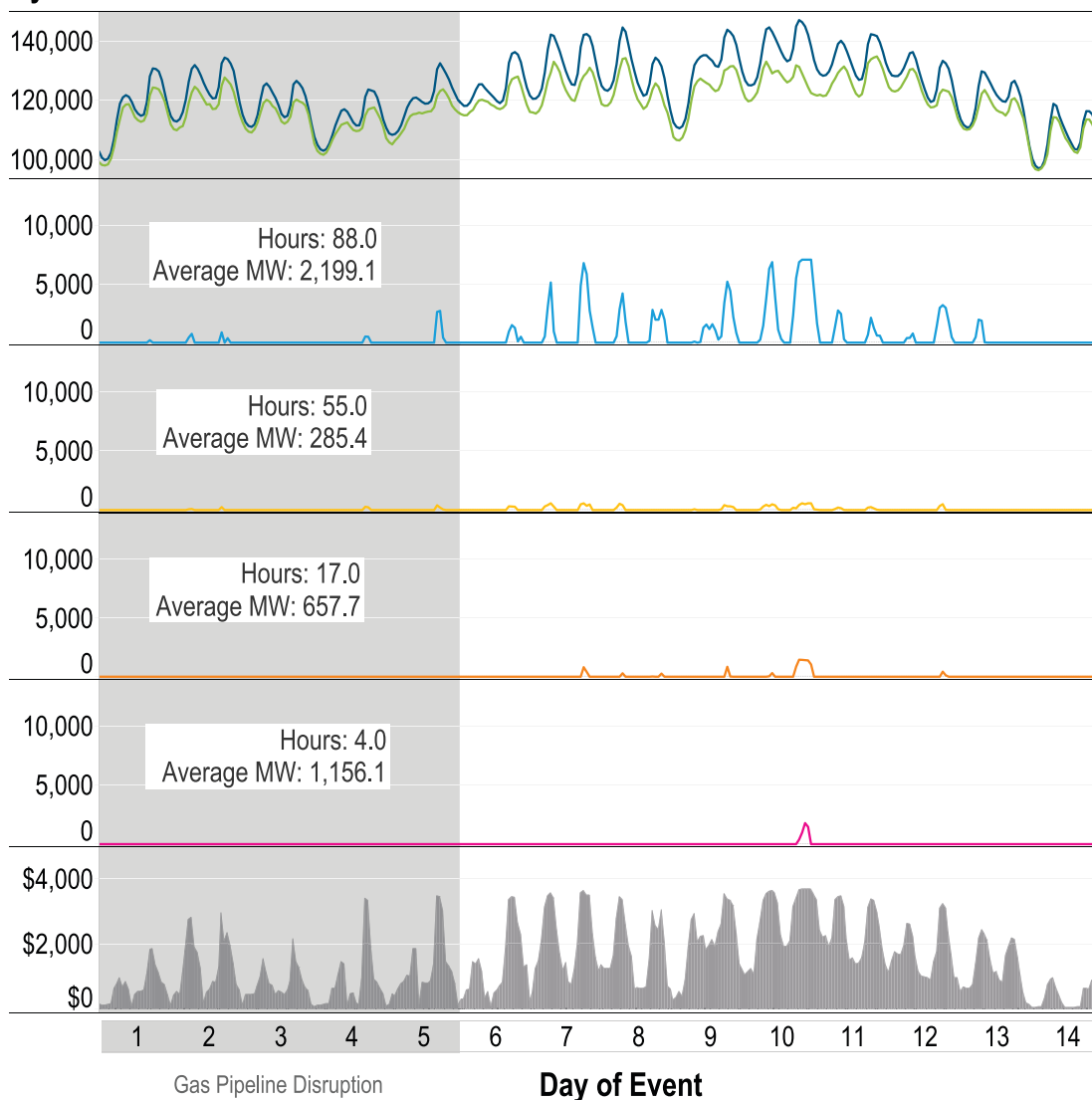
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



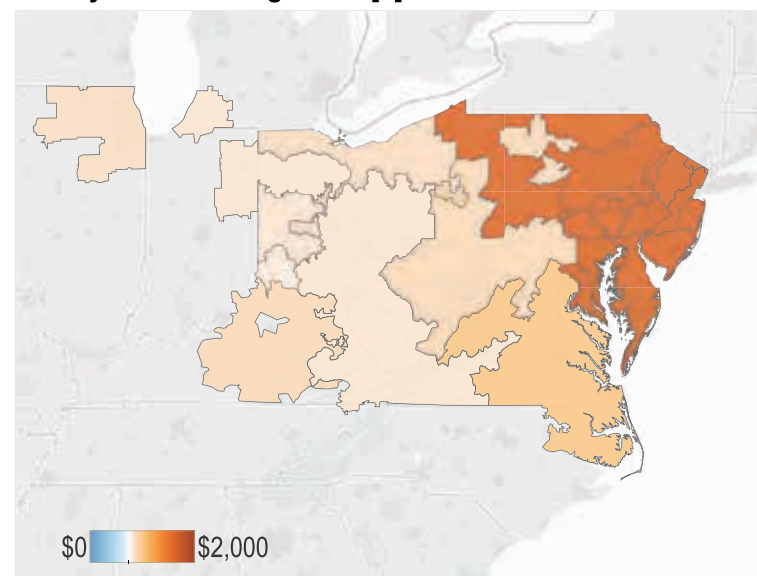
Legend



## Scenario: 202

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.77M

0	0	0	0	0	1	2	3	2	6	7	4	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

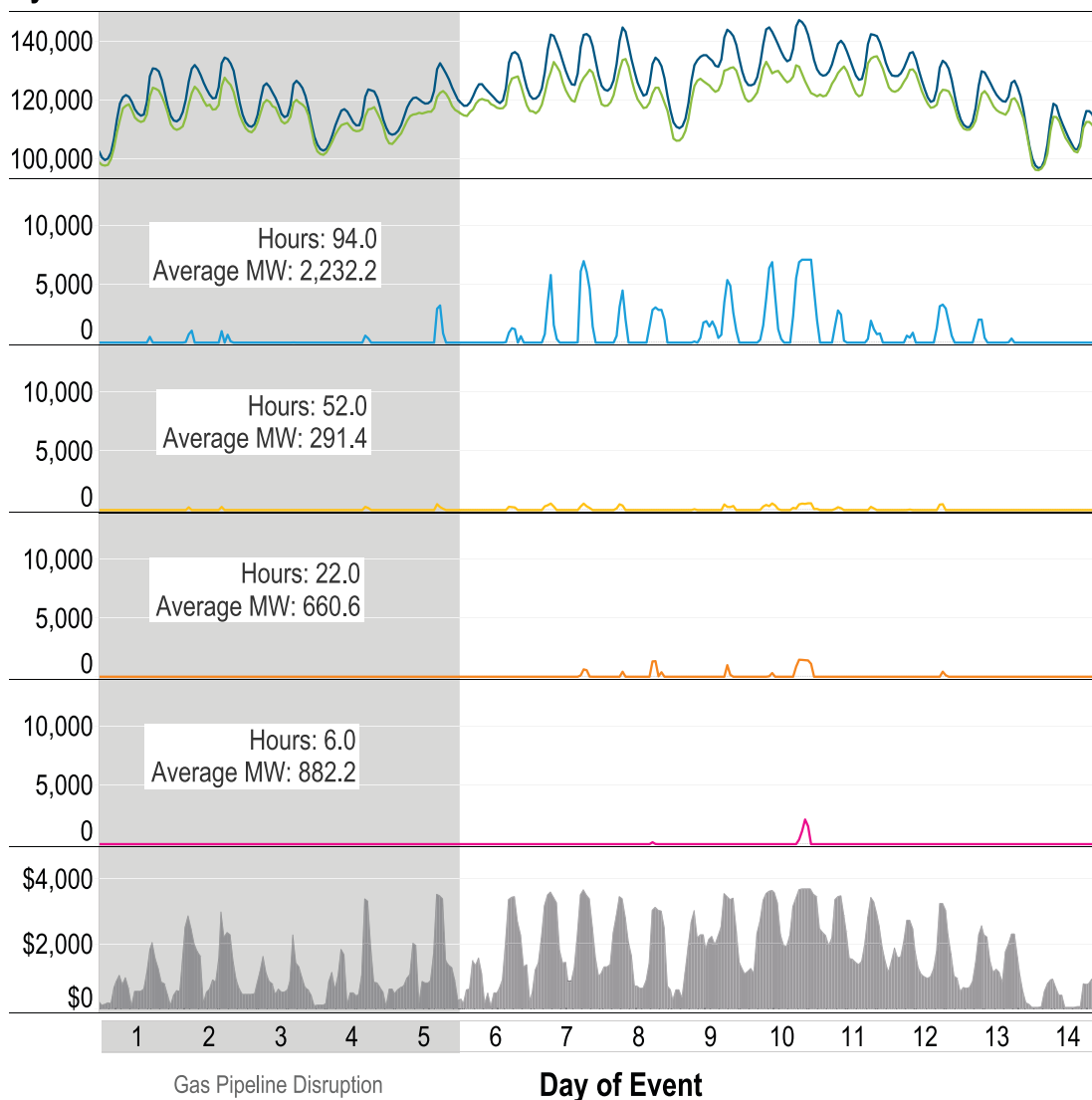
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



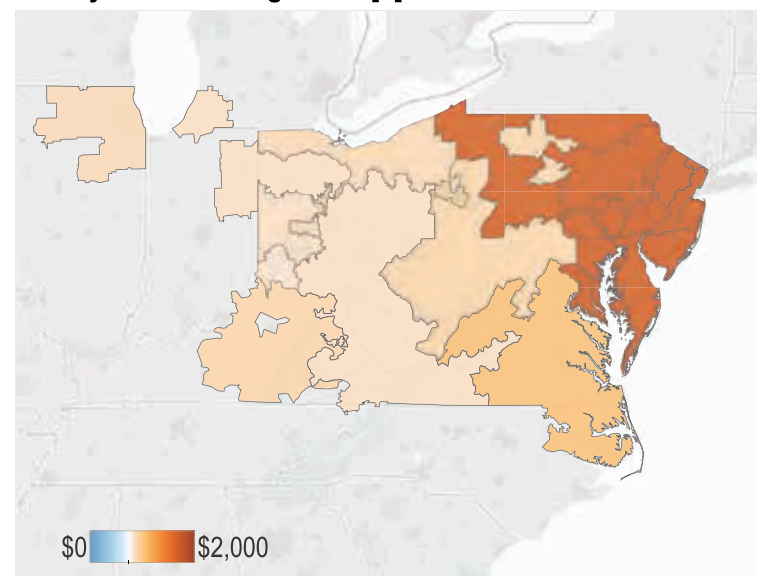
Legend



## Scenario: 203

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.96M

0	0	0	0	0	1	2	3	2	6	9	6	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

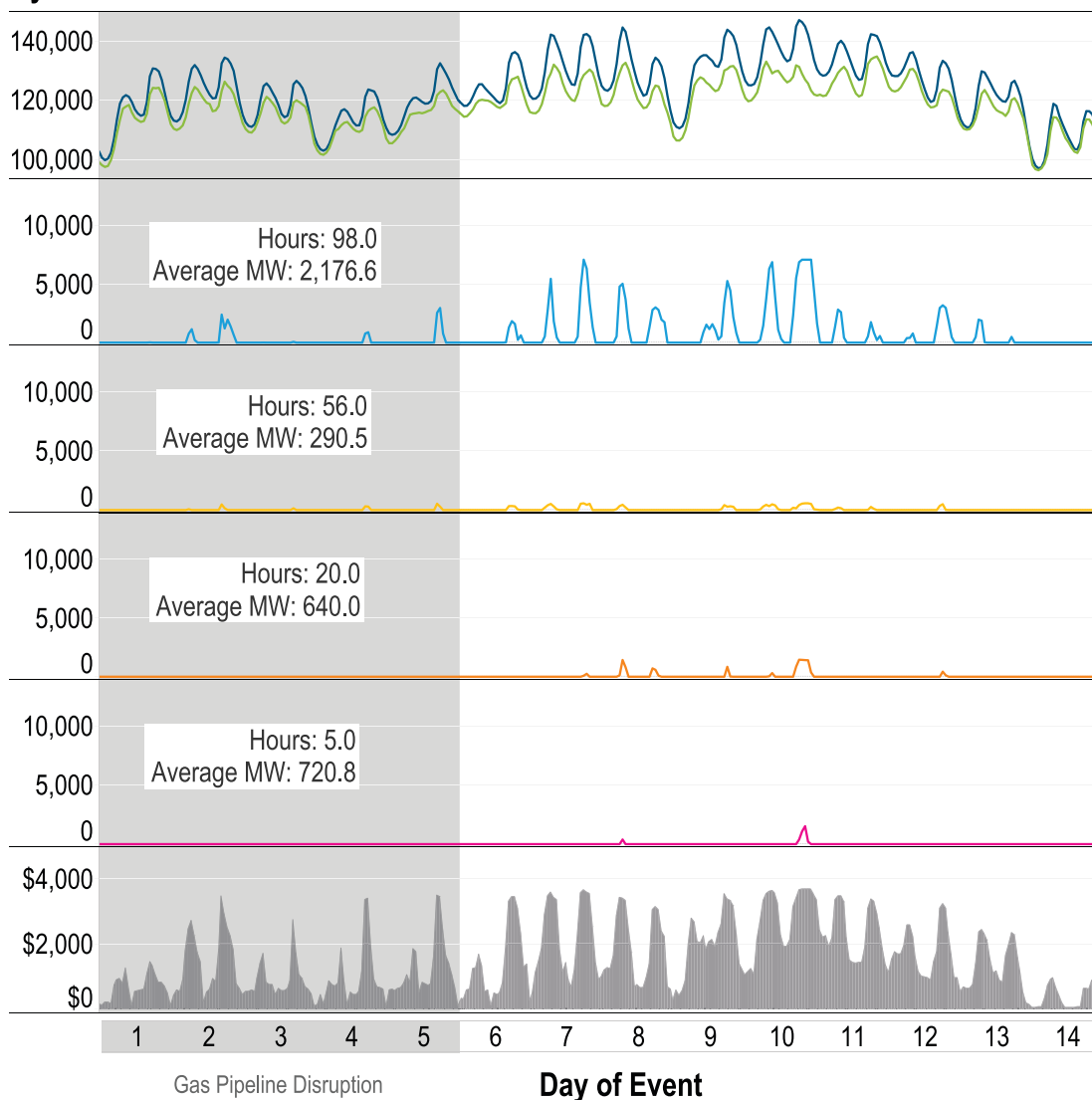
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



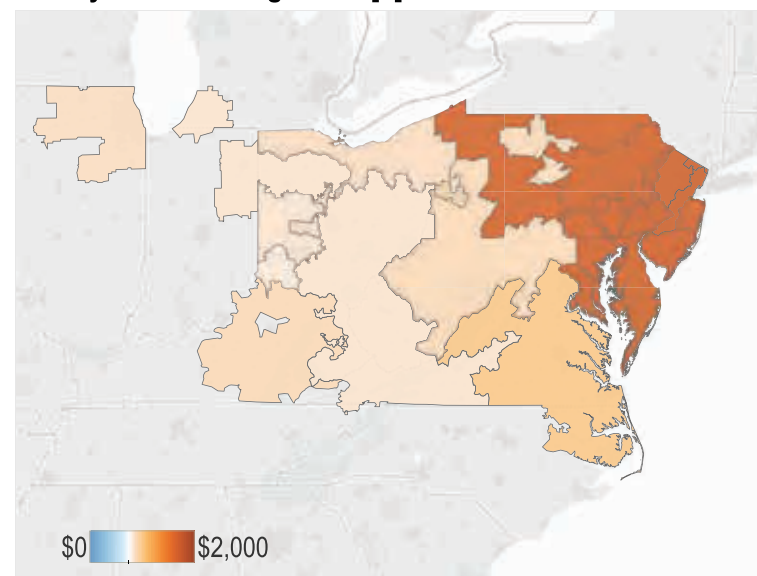
Legend



## Scenario: 204

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.86M

0	0	1	0	0	1	2	3	2	6	8	4	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

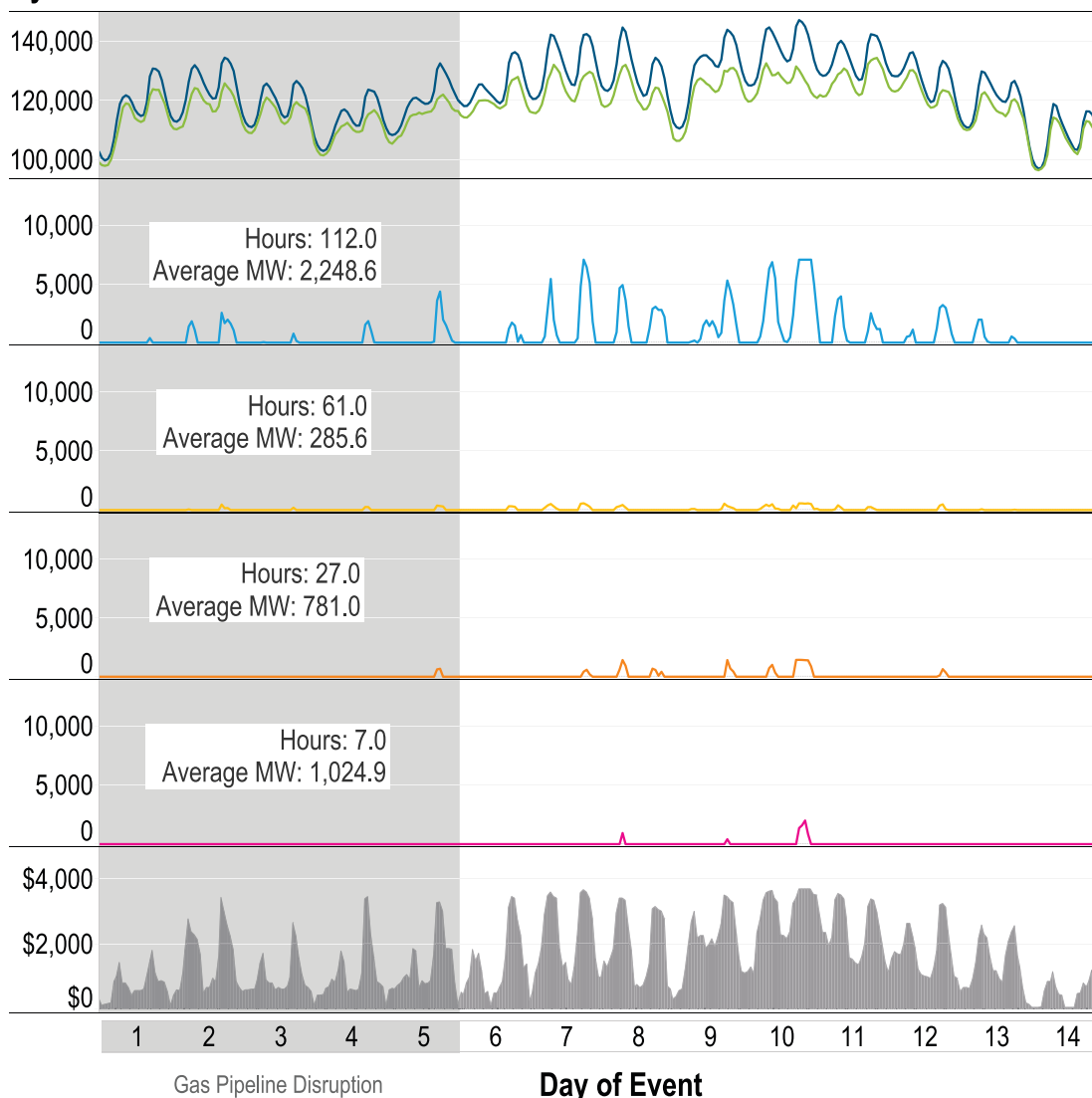
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



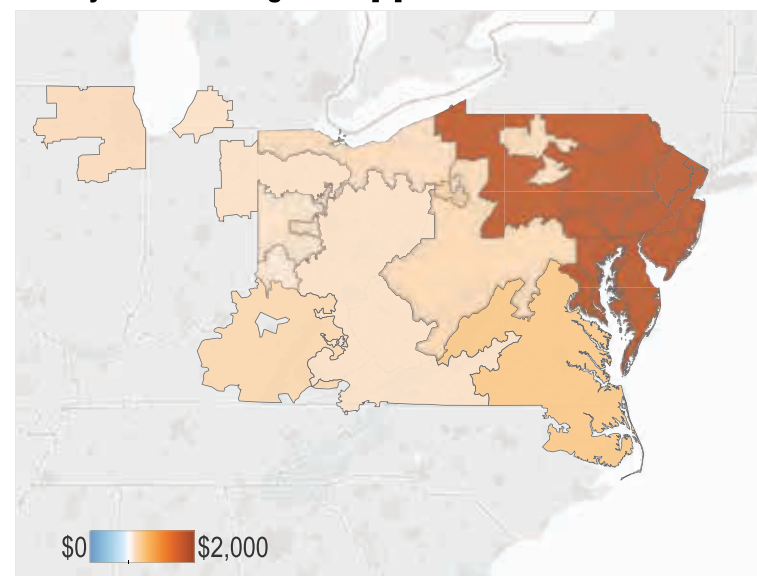
Legend



## Scenario: 205

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.15M

0	1	1	0	4	1	3	3	3	8	10	6	5	2
---	---	---	---	---	---	---	---	---	---	----	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

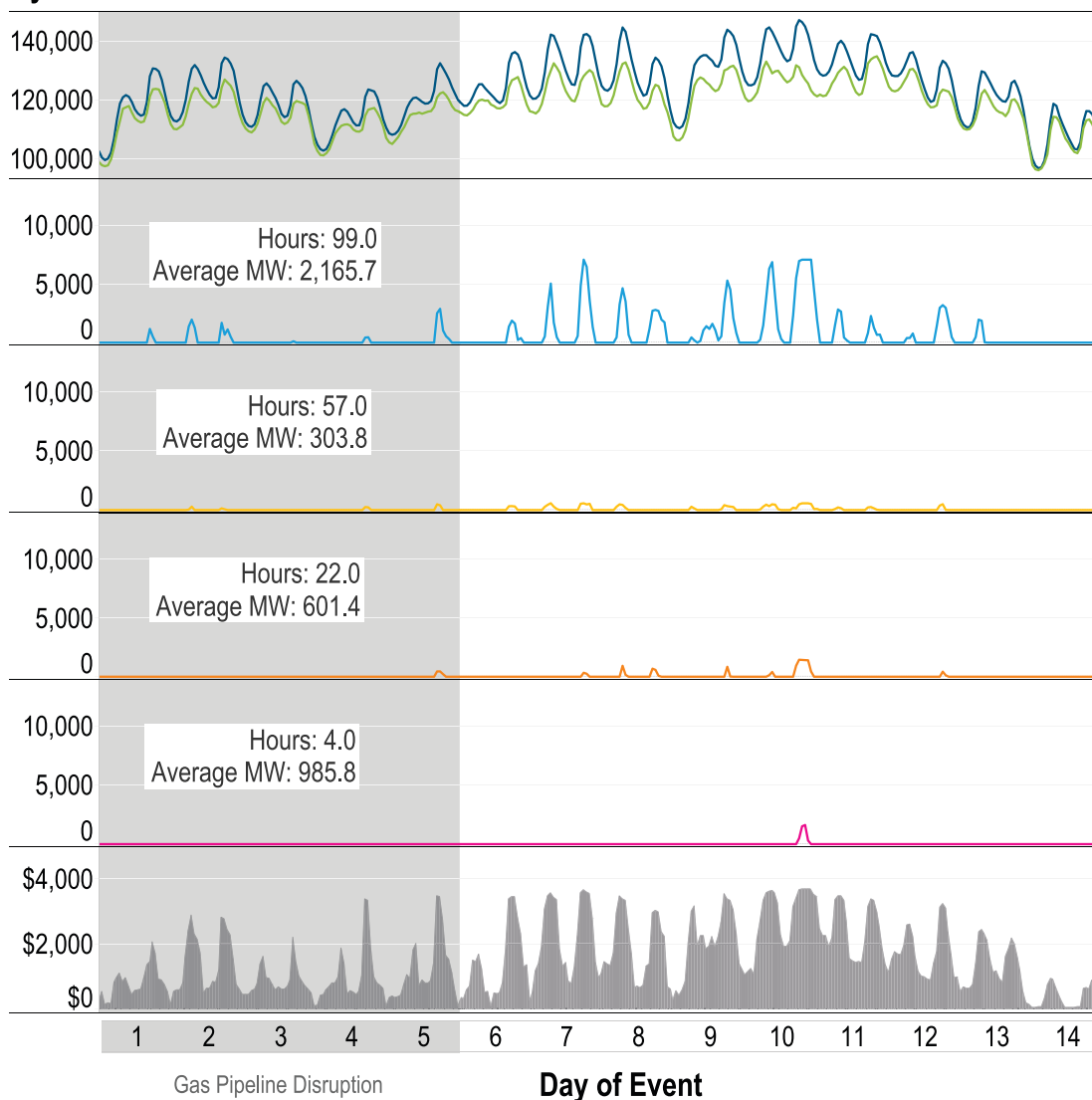
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



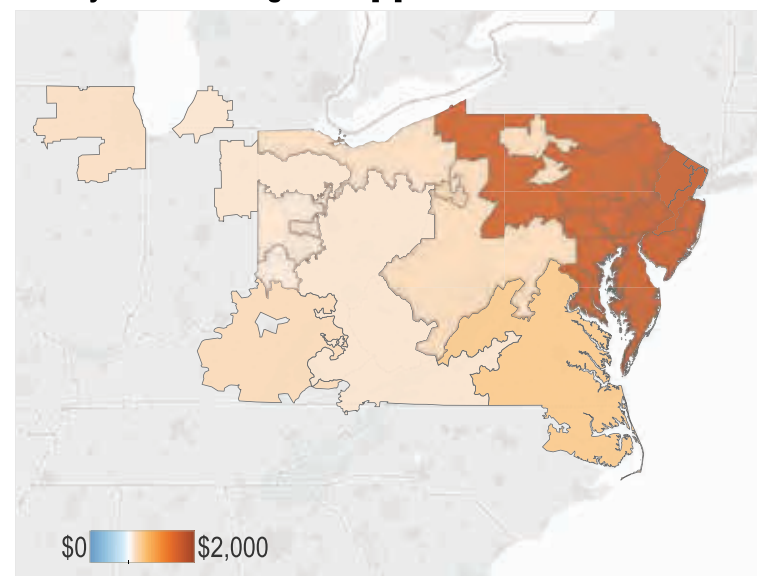
Legend



## Scenario: 206

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.96M

0	1	1	0	0	1	3	3	2	7	8	3	4	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

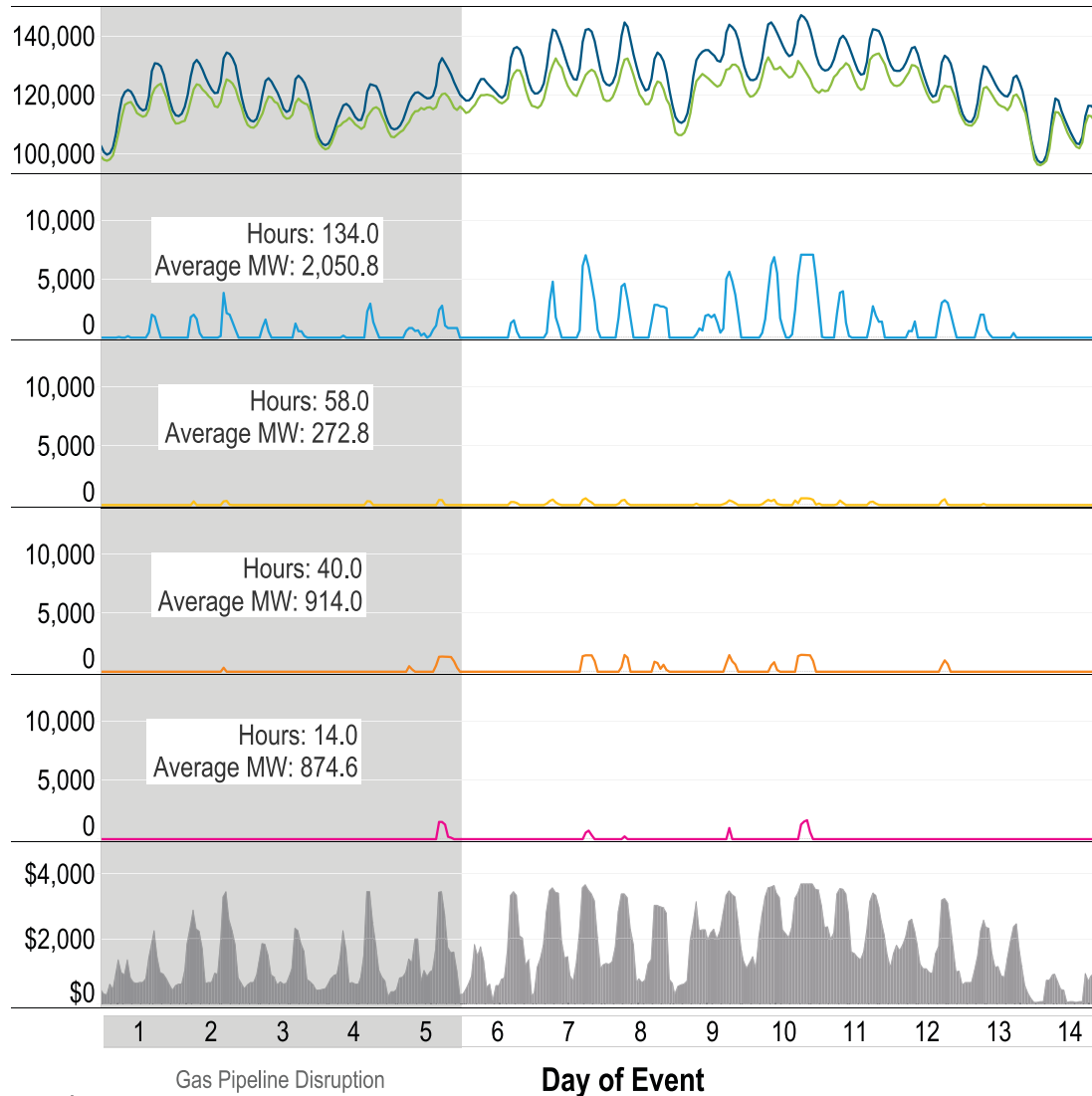
\*141 Total Sites

Day of Event

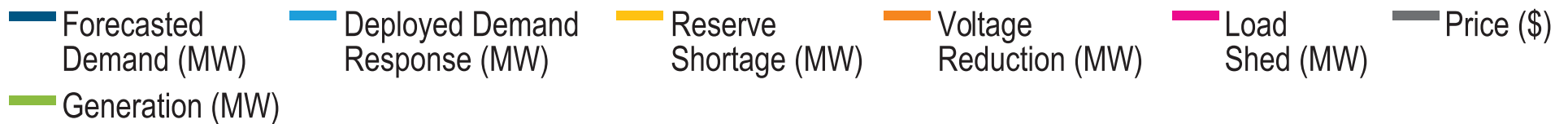
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



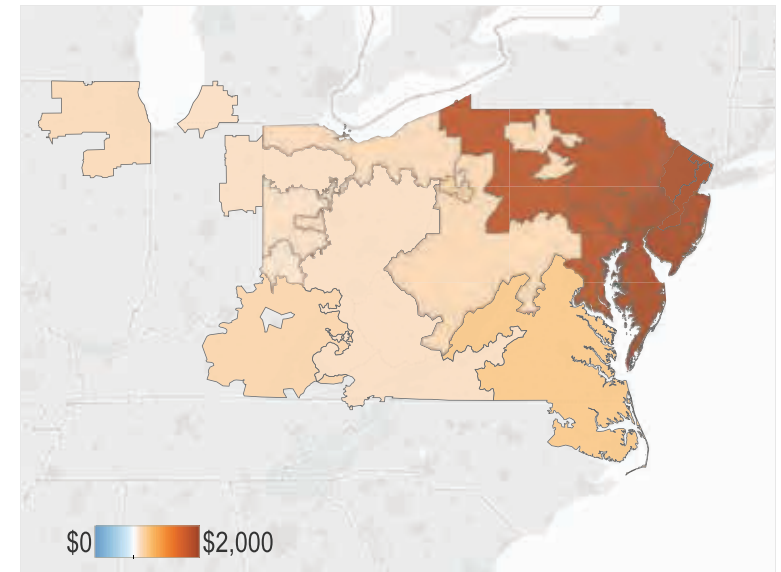
Legend



## Scenario: 207

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.42M

1	3	3	1	3	1	2	4	3	8	10	4	4	2
---	---	---	---	---	---	---	---	---	---	----	---	---	---

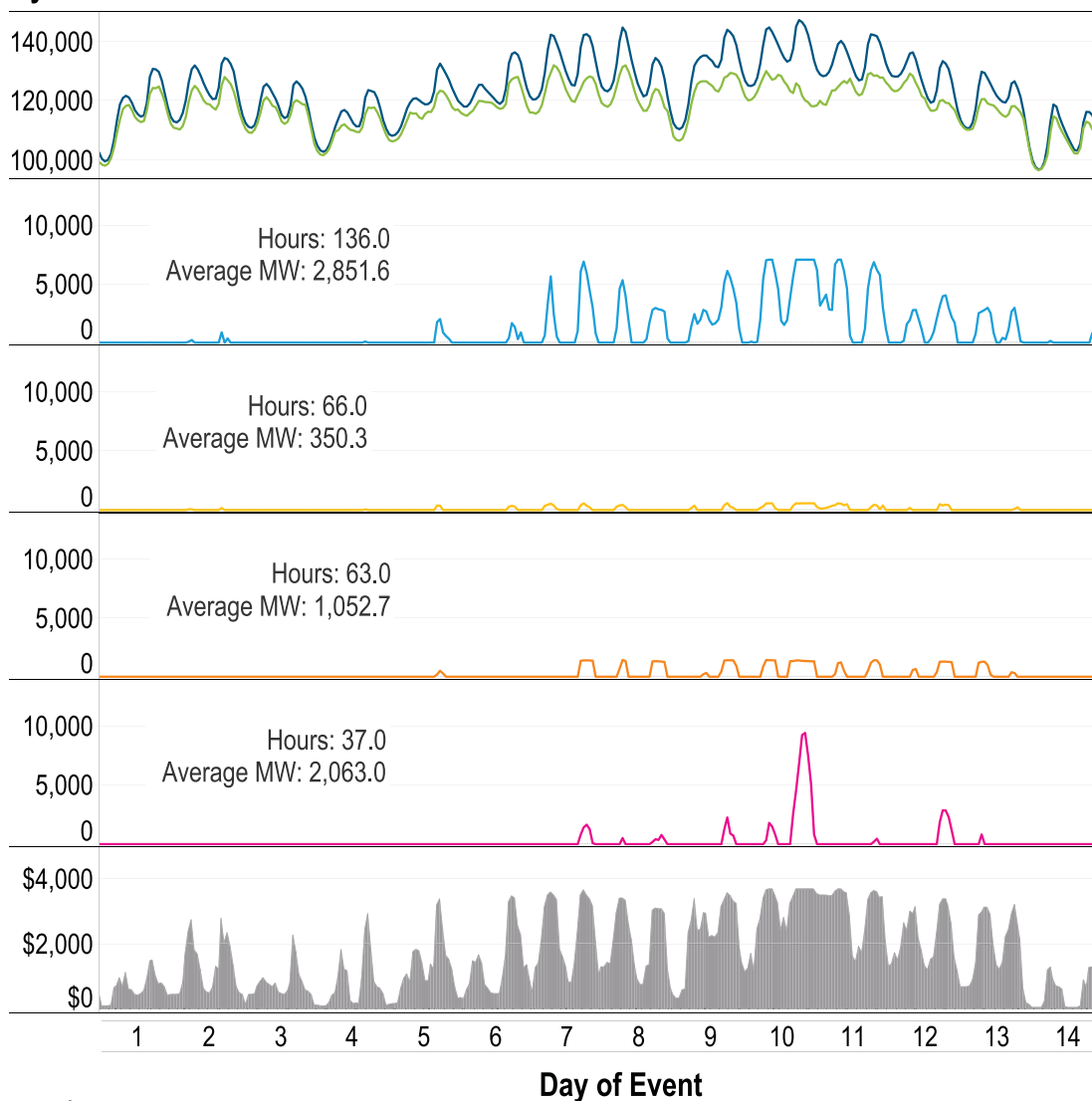
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

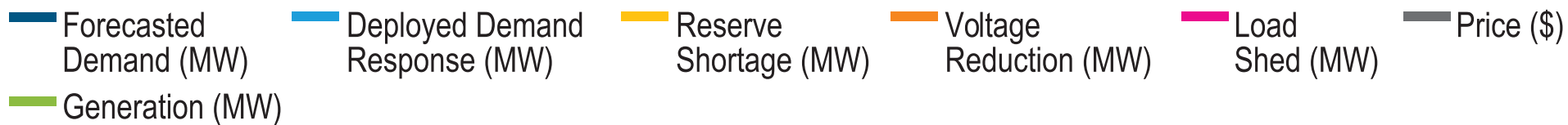
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



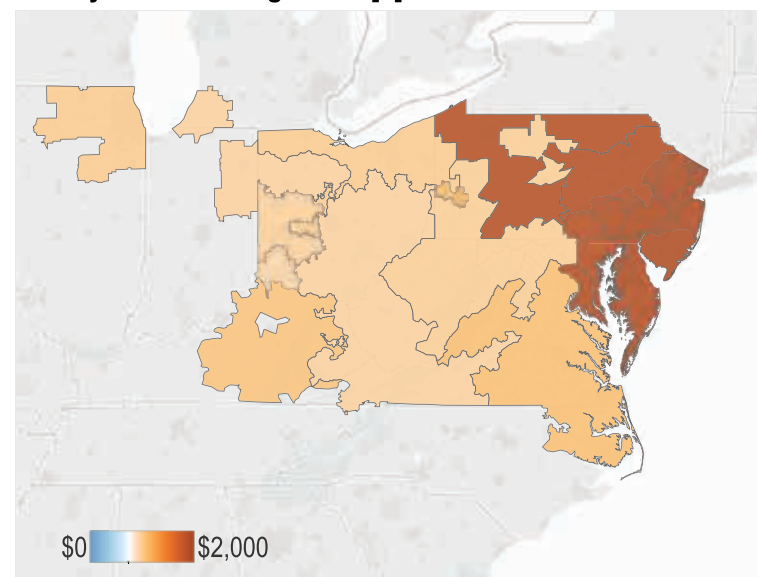
Legend



## Scenario: 208

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.06M

2 4 7 9 10 12 30 51 59 74 83 89 90 80

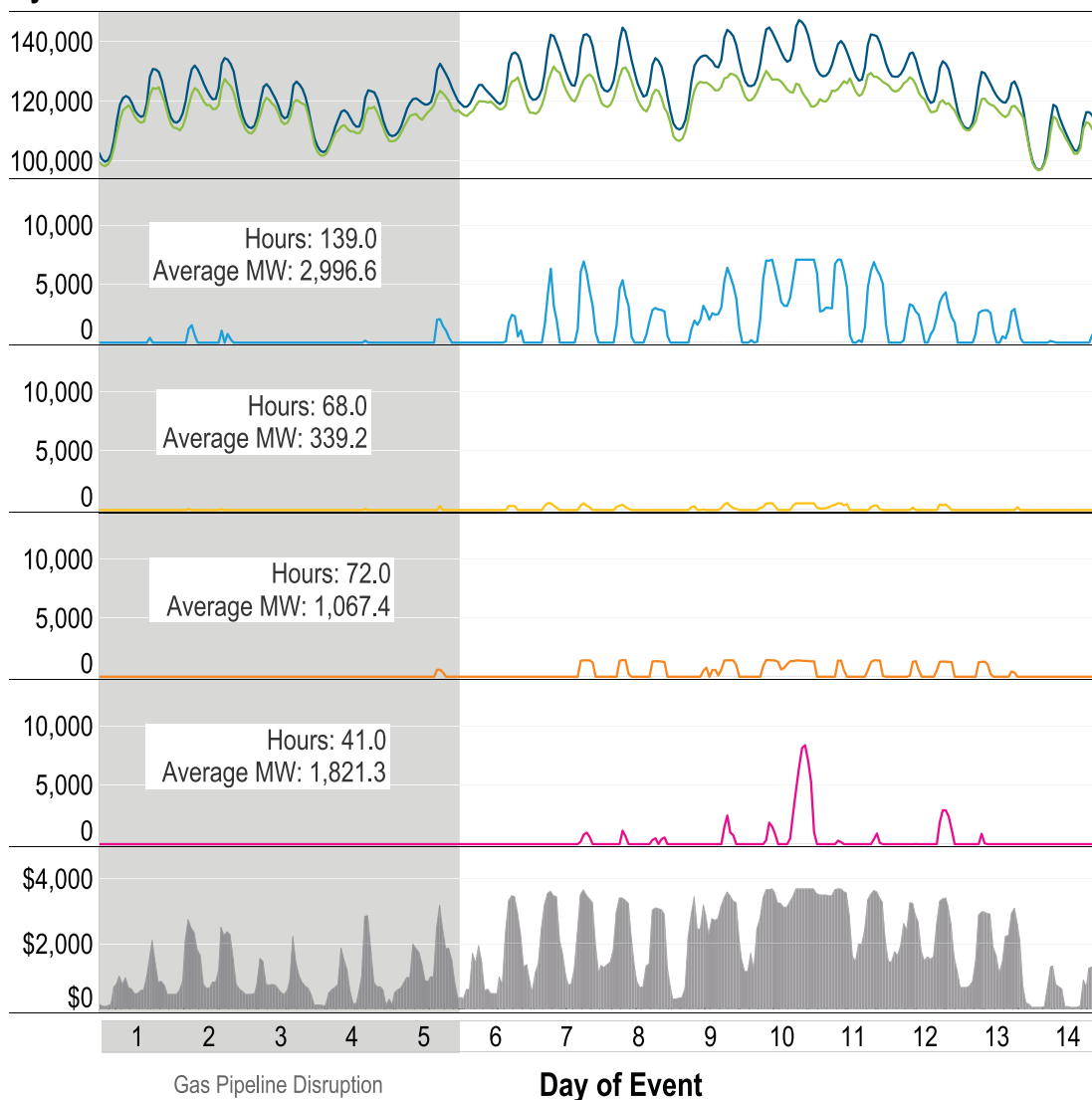
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



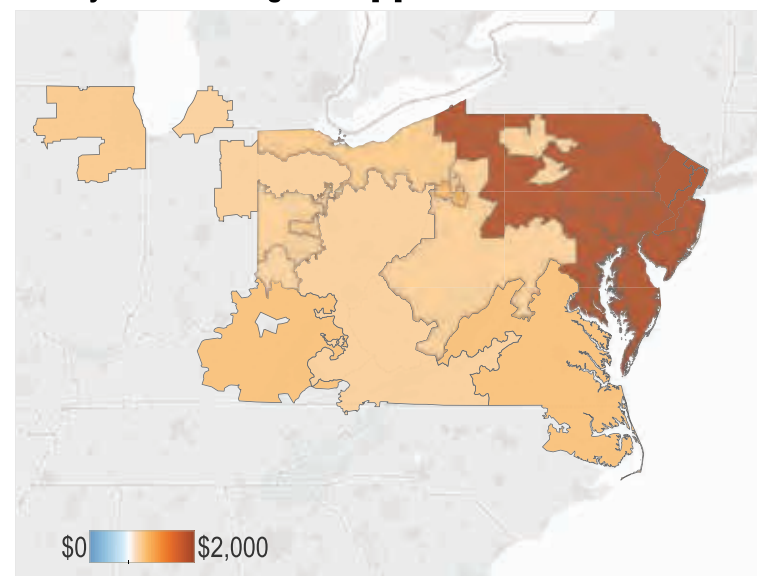
Legend



## Scenario: 209

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.19M

2 4 7 9 11 19 40 56 68 74 87 91 94 84

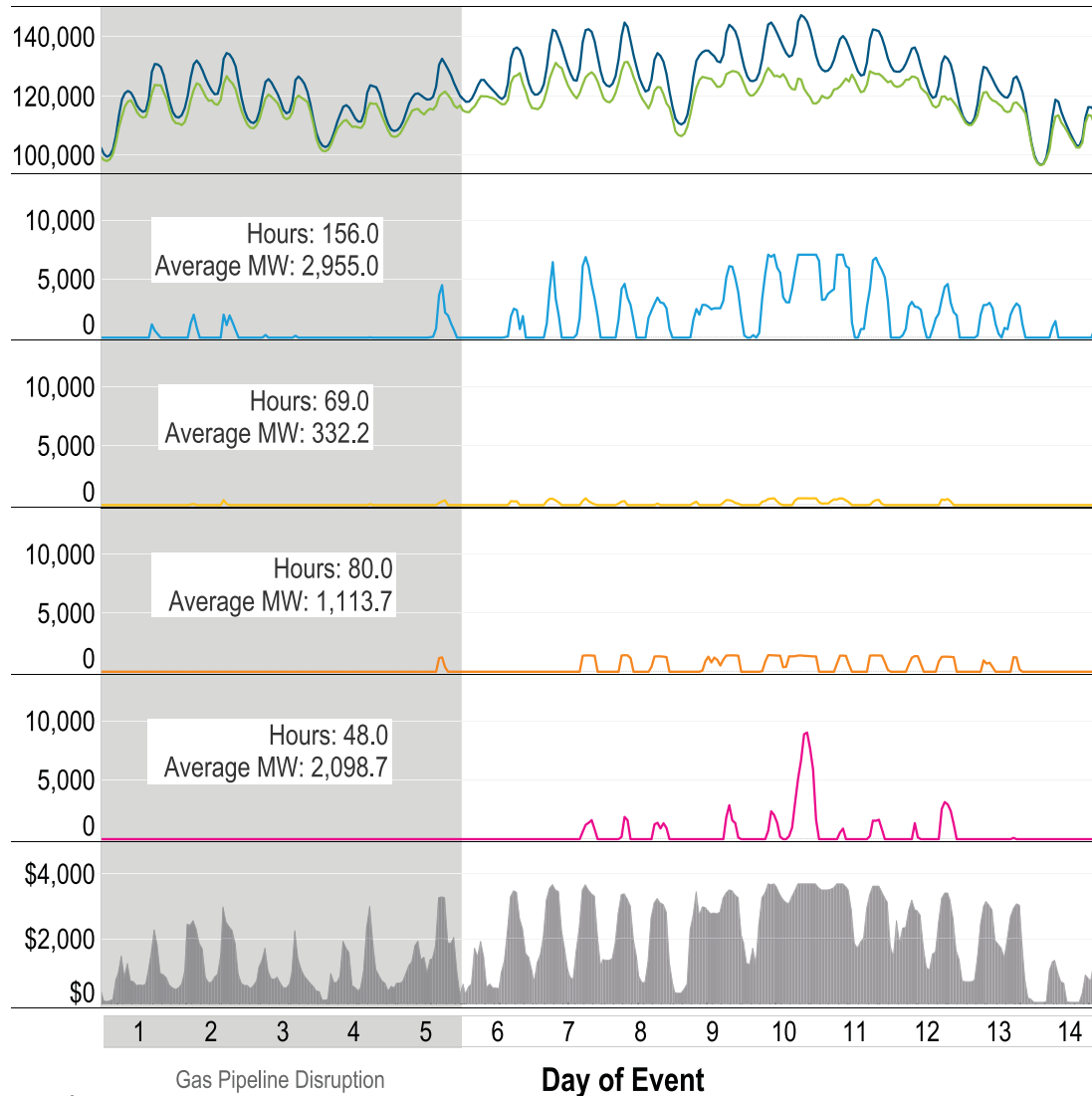
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

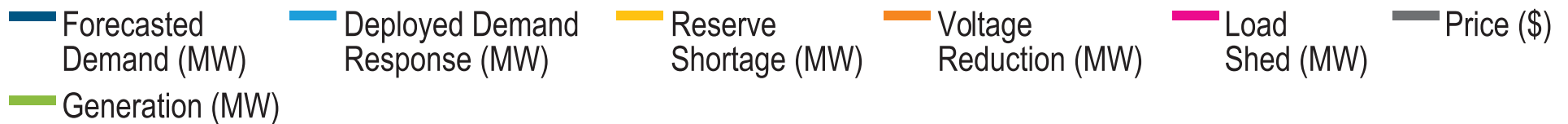
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



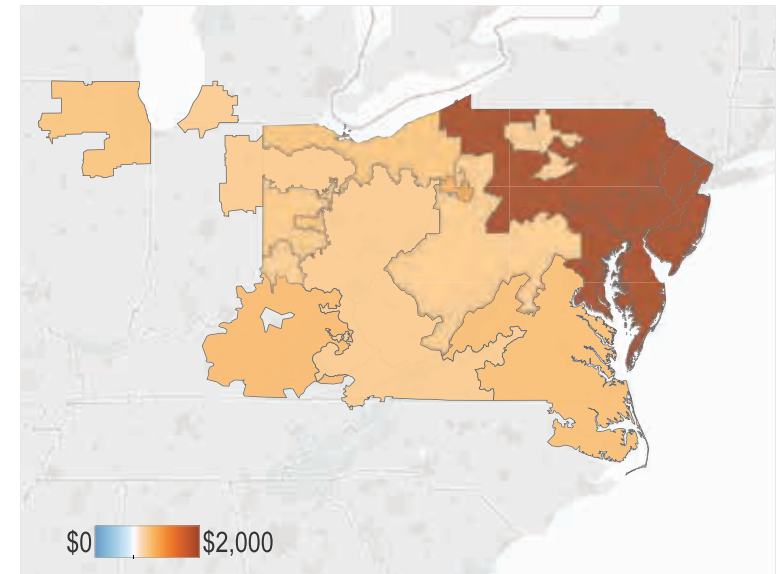
Legend



## Scenario: 210

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 4.42M

2 6 9 13 19 25 40 58 68 78 92 92 94 84

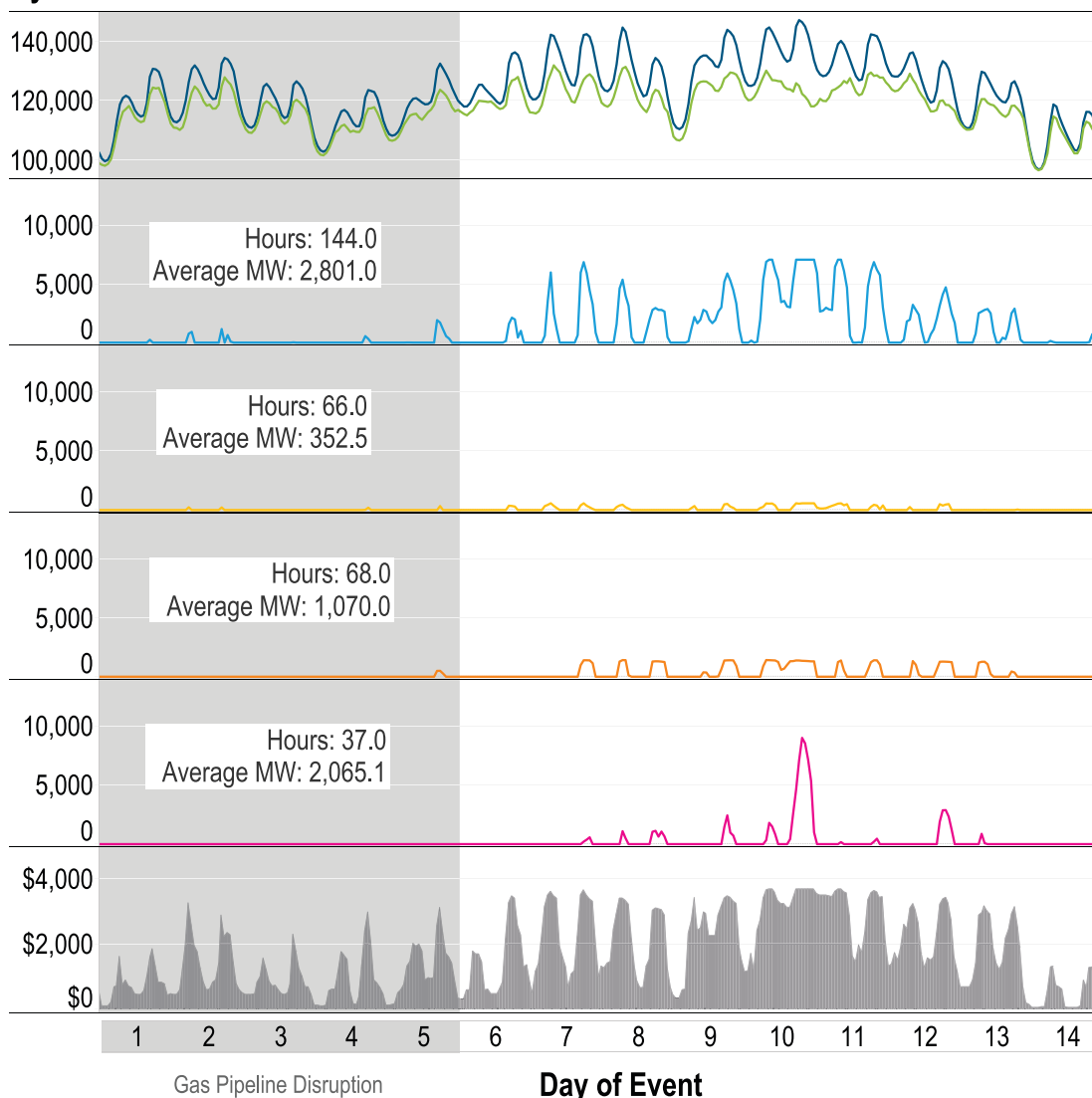
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



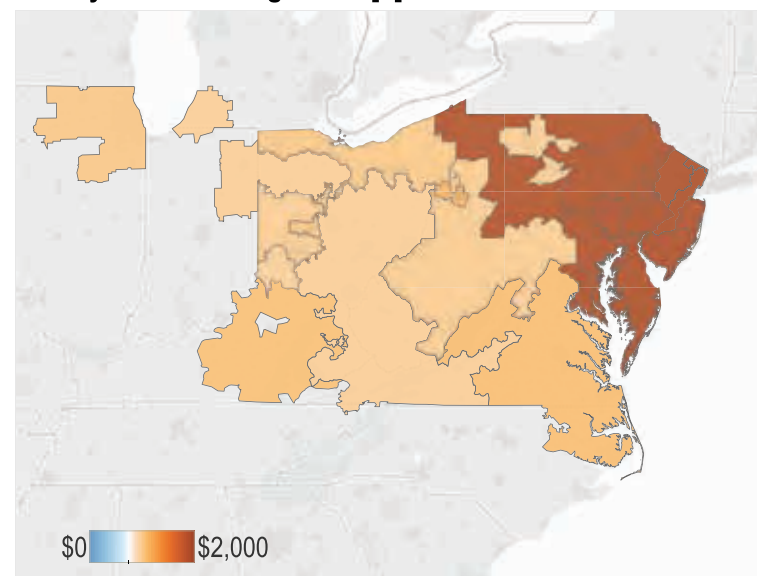
Legend



## Scenario: 211

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.15M

1	5	8	10	11	17	35	54	61	72	84	88	88	79
---	---	---	----	----	----	----	----	----	----	----	----	----	----

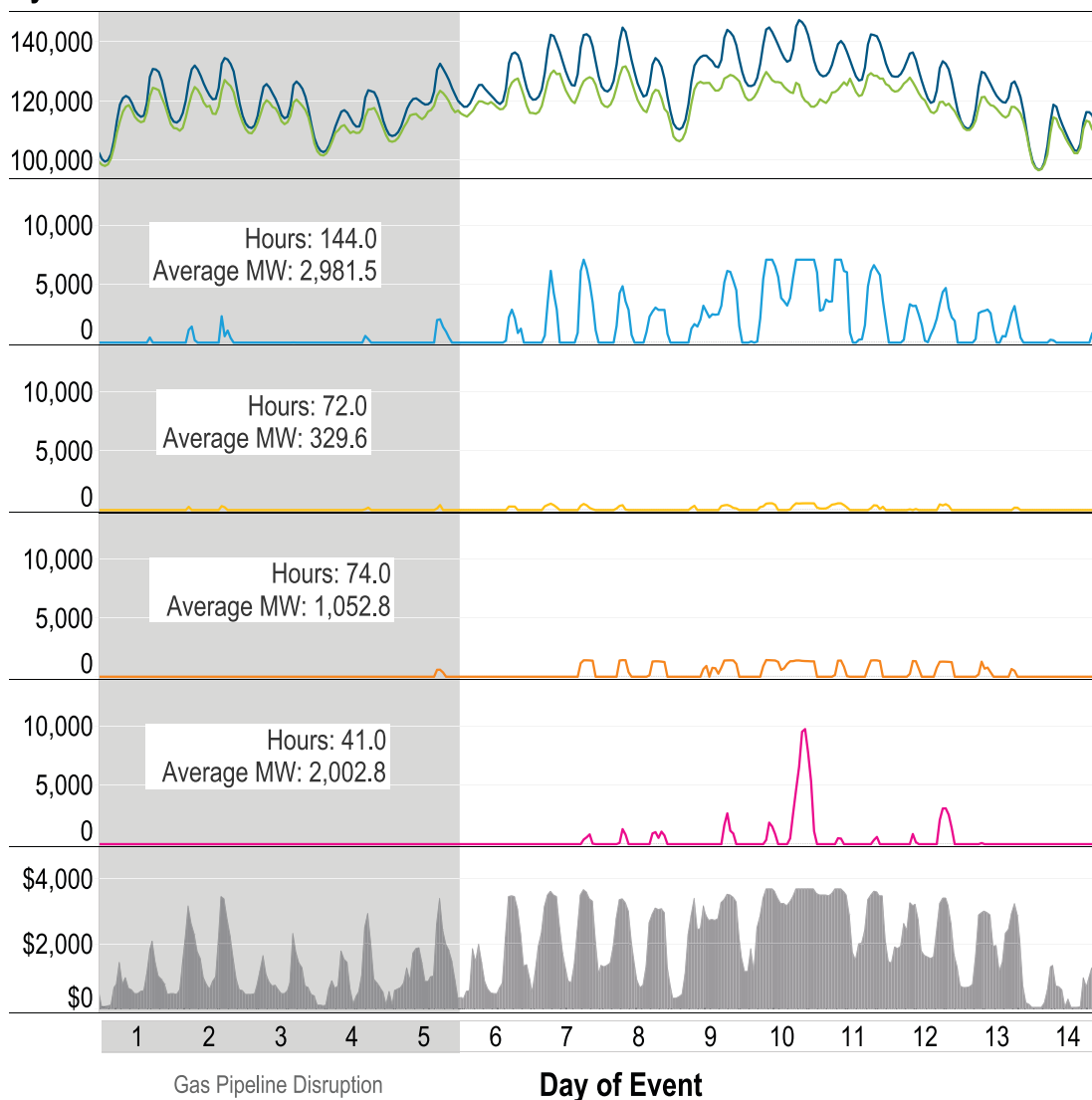
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



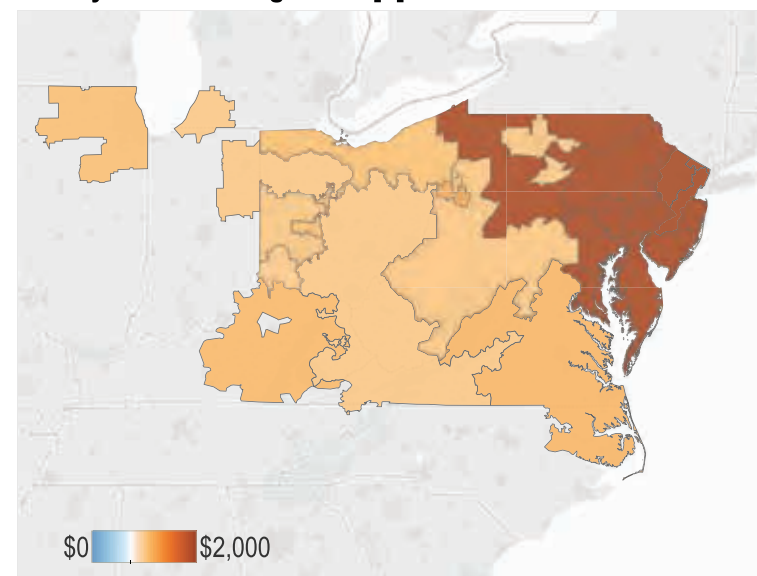
Legend



## Scenario: 212

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.37M

2	5	7	9	12	21	37	57	68	74	90	92	94	84
---	---	---	---	----	----	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

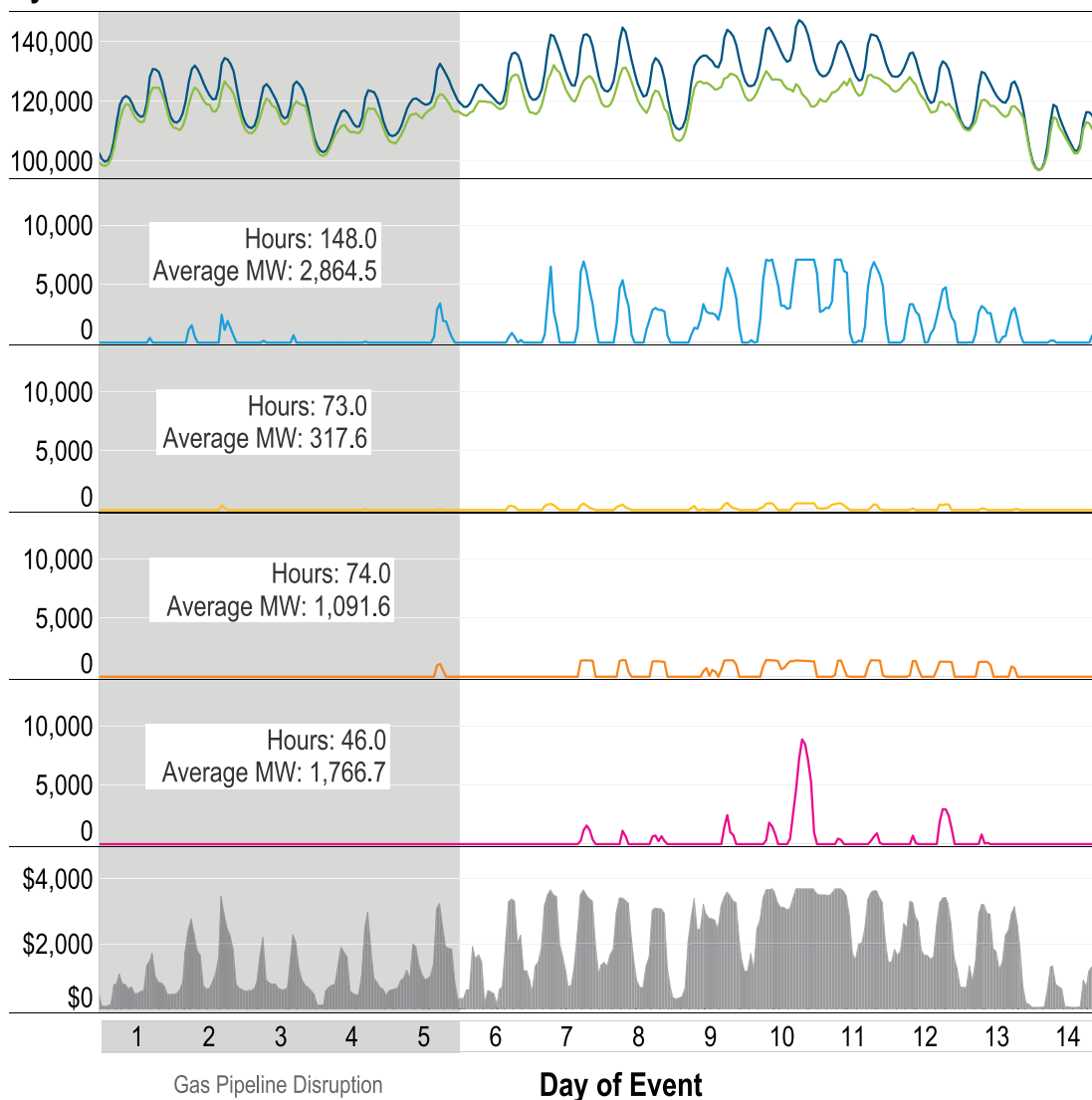
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



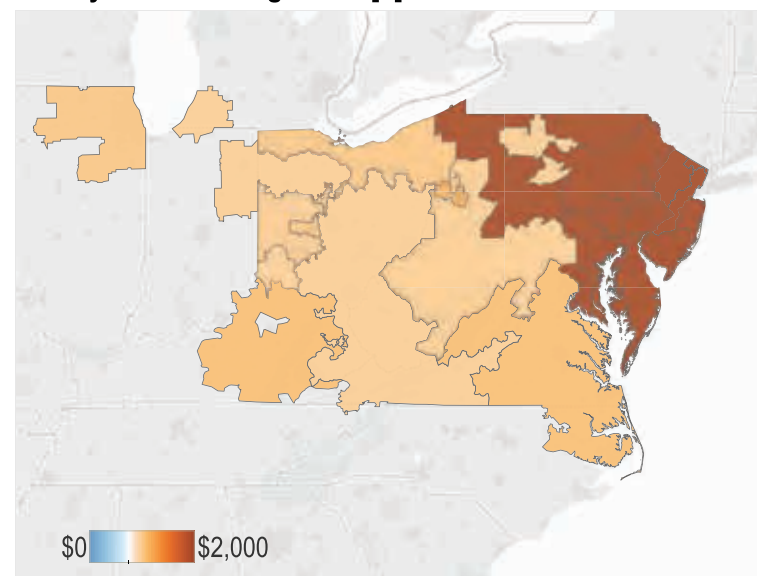
Legend



## Scenario: 213

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.29M

2 6 11 16 20 25 41 57 67 74 90 91 93 83

1 2 3 4 5 6 7 8 9 10 11 12 13 14

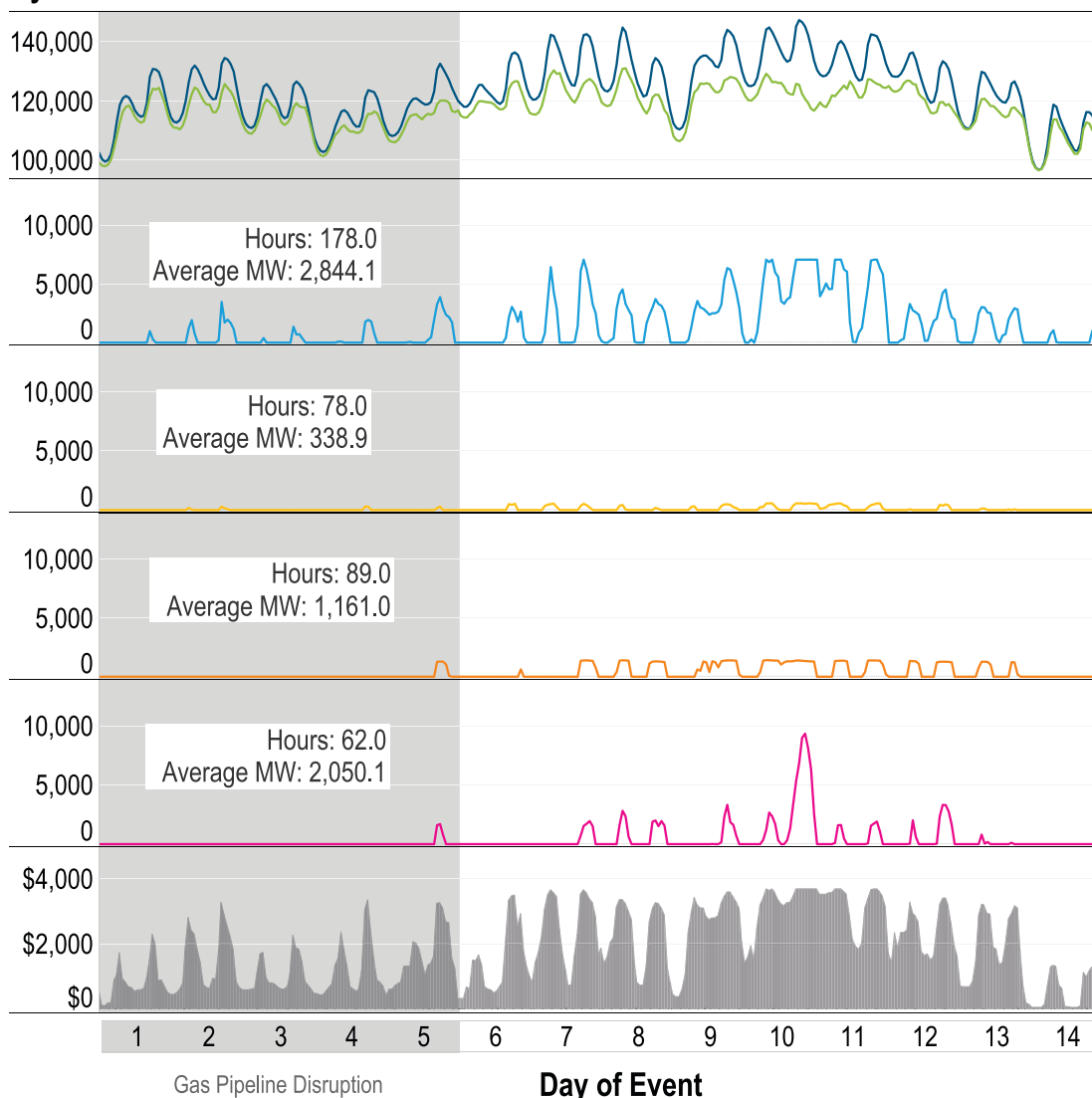
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



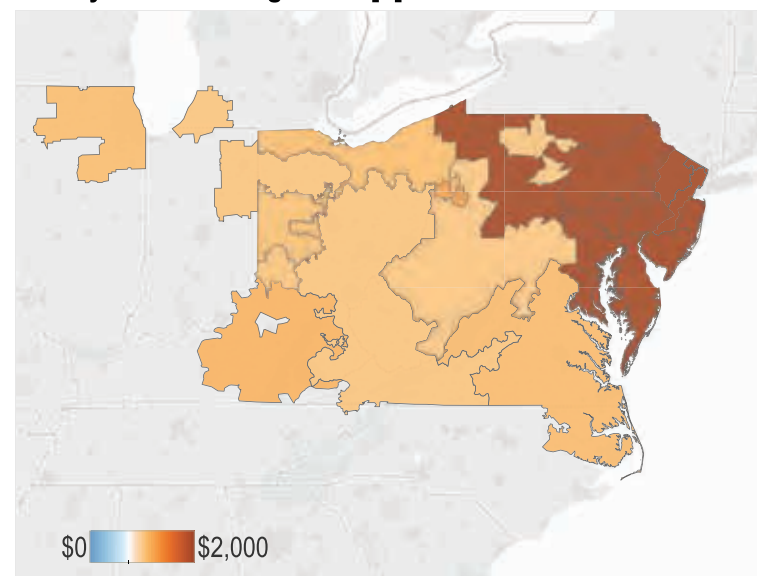
Legend



## Scenario: 214

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.57M

2	7	16	22	29	37	48	68	78	84	93	96	96	86
---	---	----	----	----	----	----	----	----	----	----	----	----	----

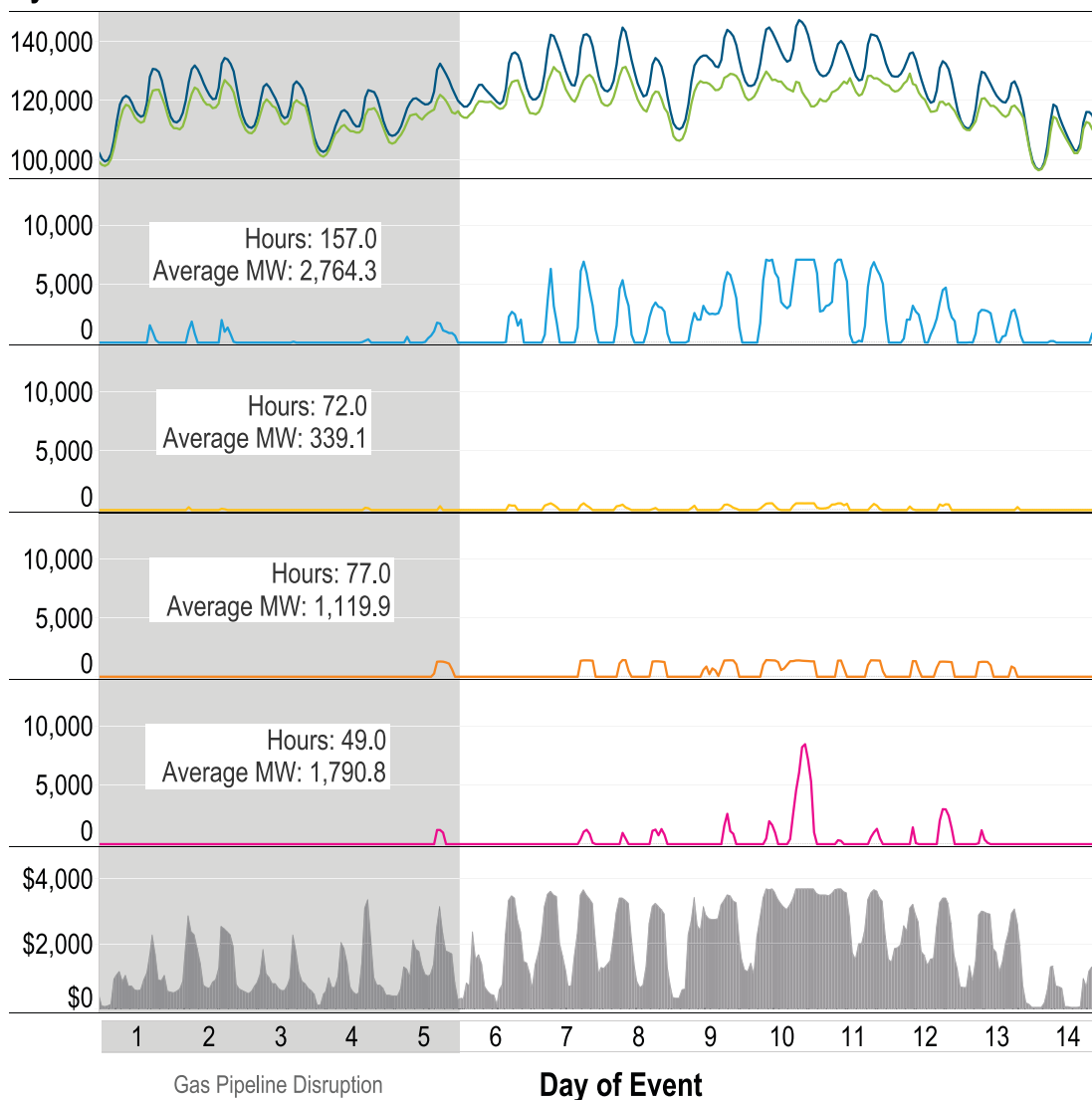
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



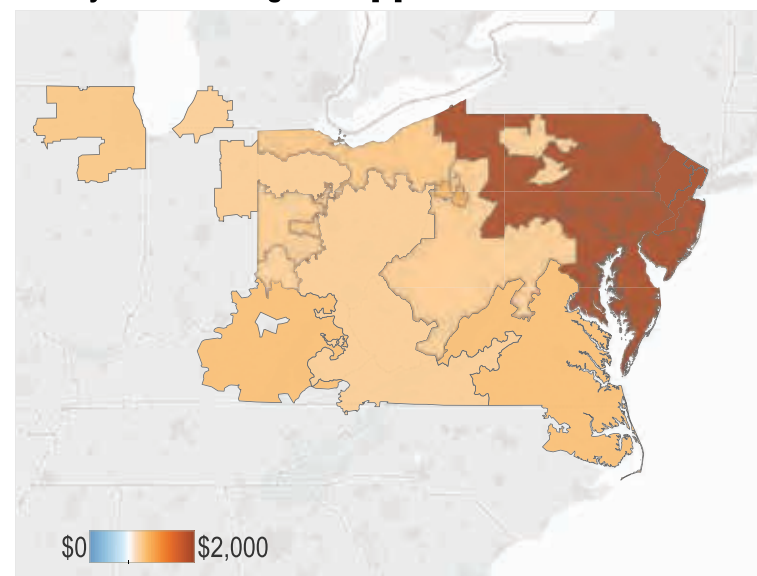
Legend



## Scenario: 215

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.33M

1	4	7	12	16	25	38	56	66	74	89	89	91	81
---	---	---	----	----	----	----	----	----	----	----	----	----	----

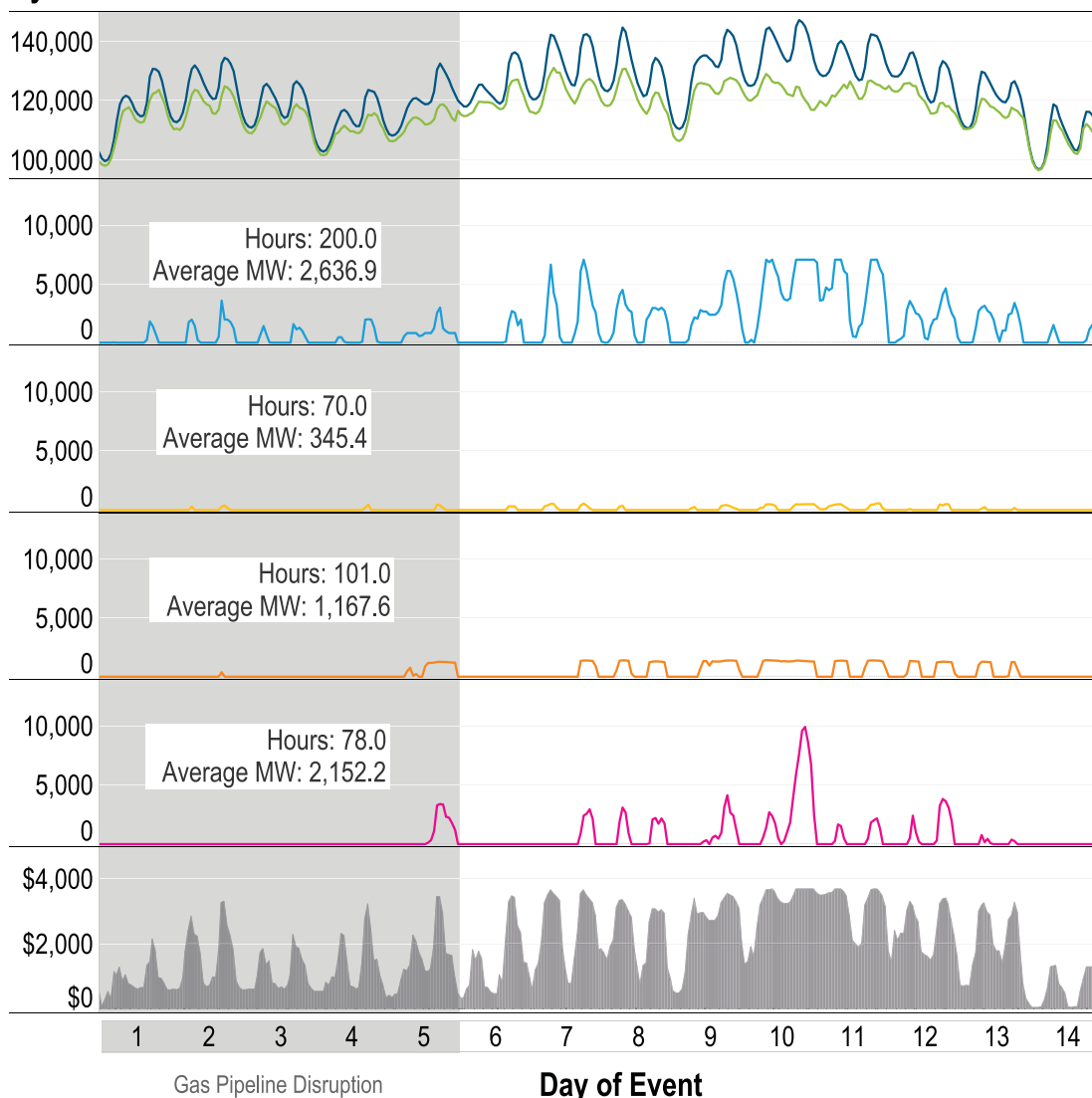
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



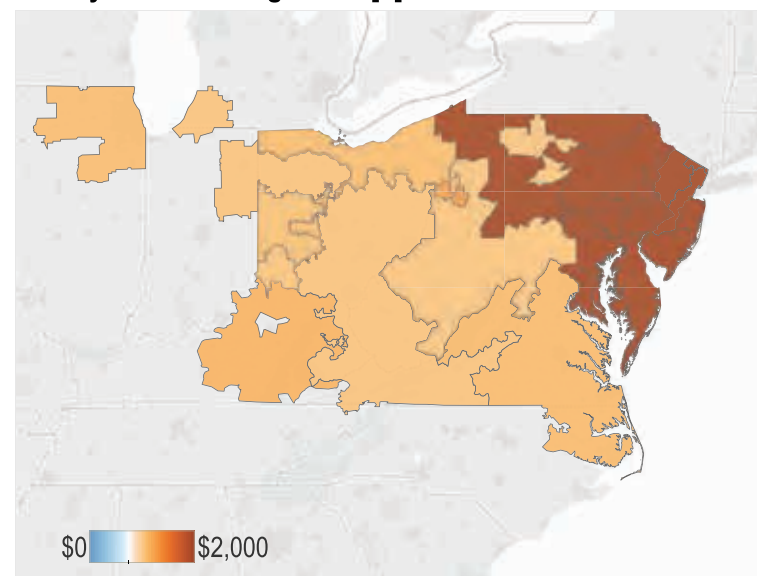
Legend



## Scenario: 216

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 1 (32 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.76M

3	10	15	25	32	37	50	67	76	84	96	96	95	85
---	----	----	----	----	----	----	----	----	----	----	----	----	----

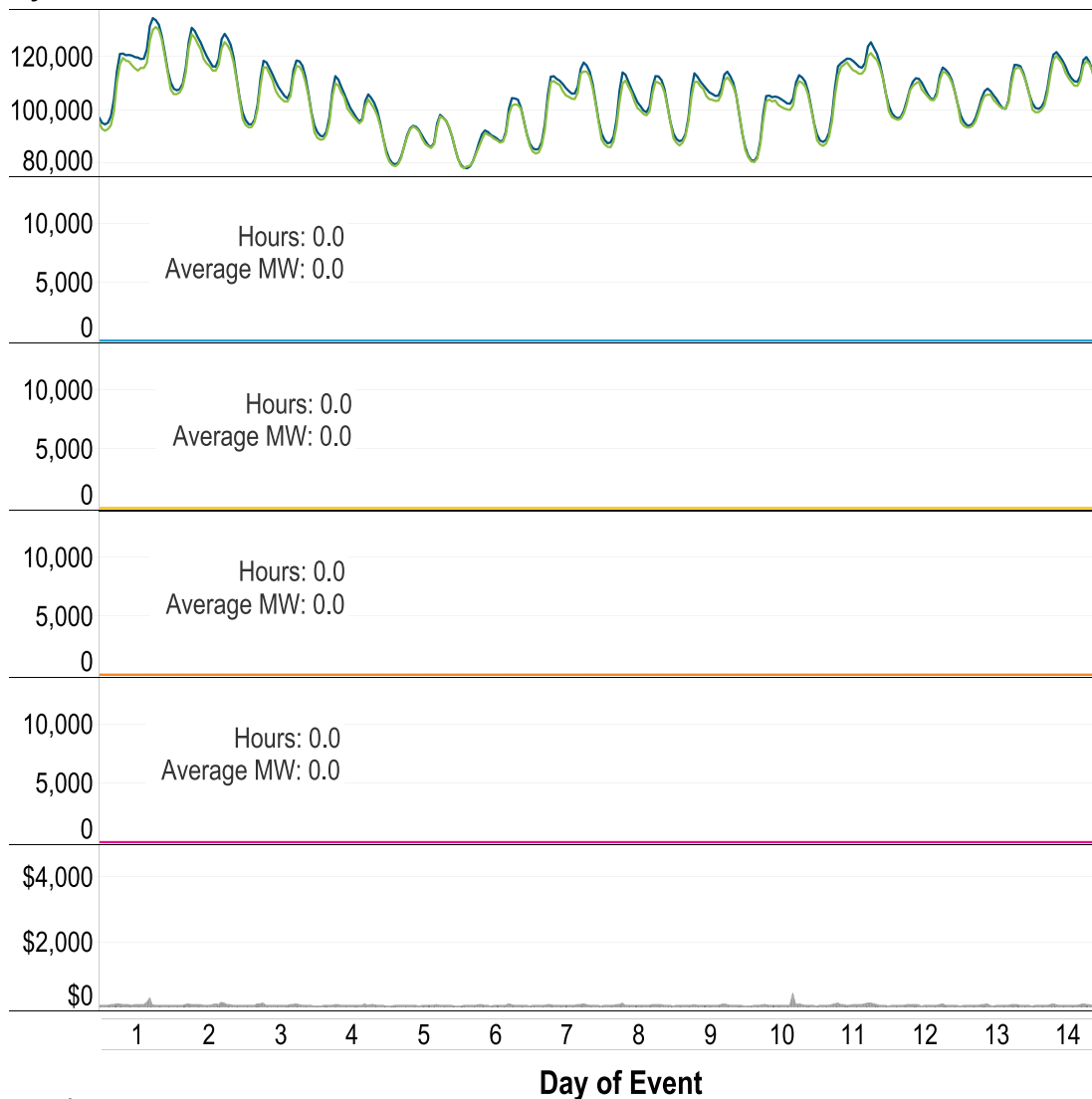
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

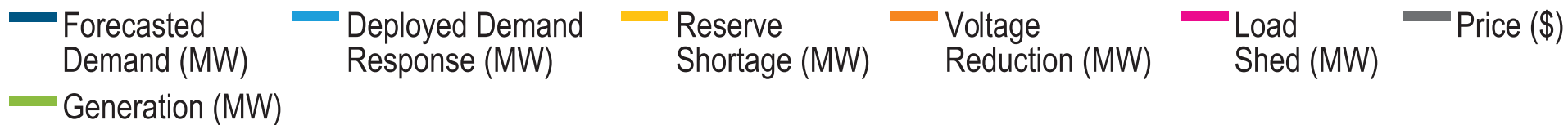
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



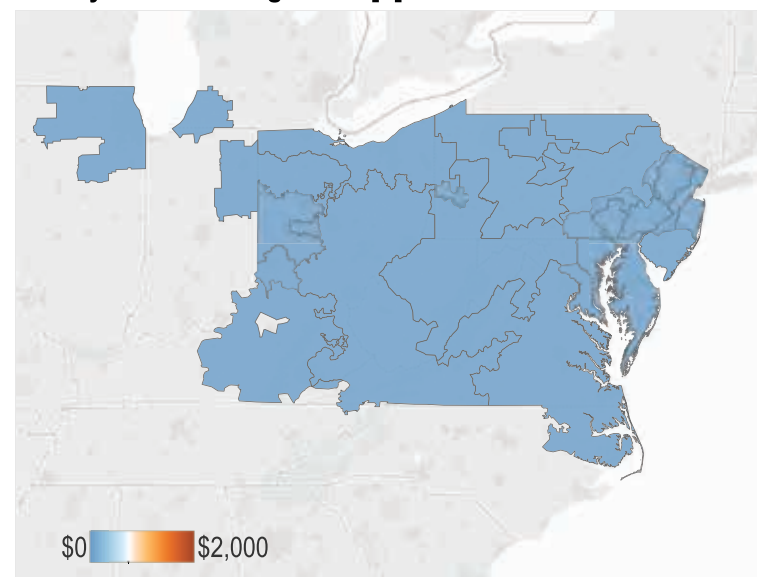
Legend



## Scenario: 217

Load:	Typical
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.17M



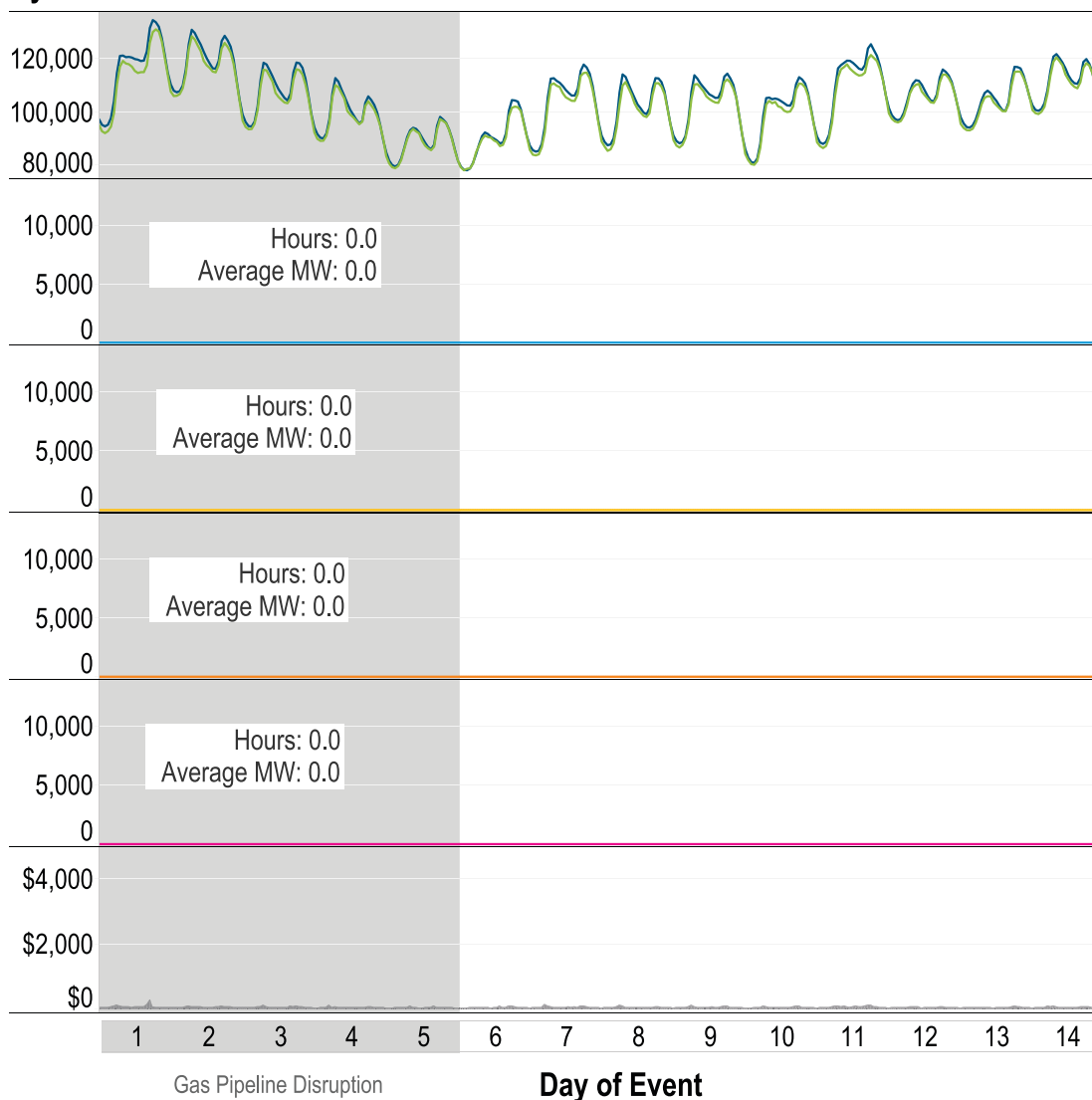
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



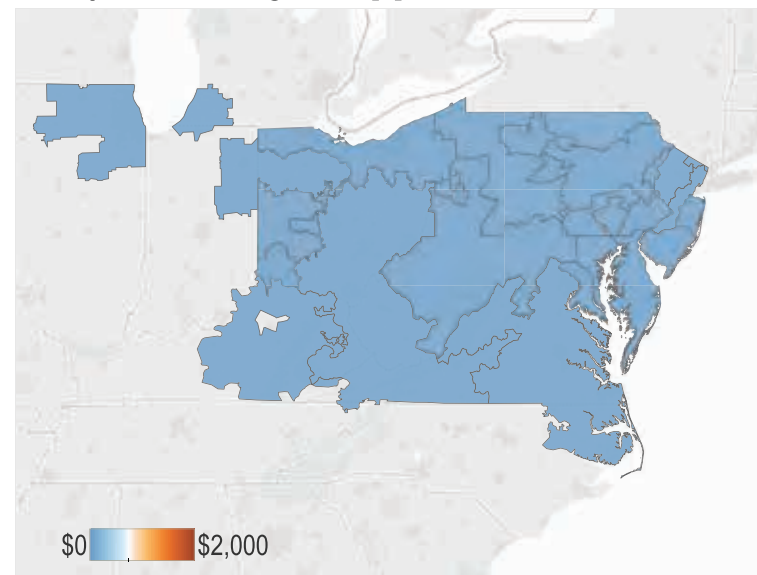
Legend



## Scenario: 218

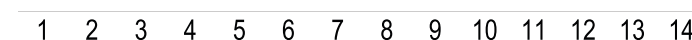
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.18M

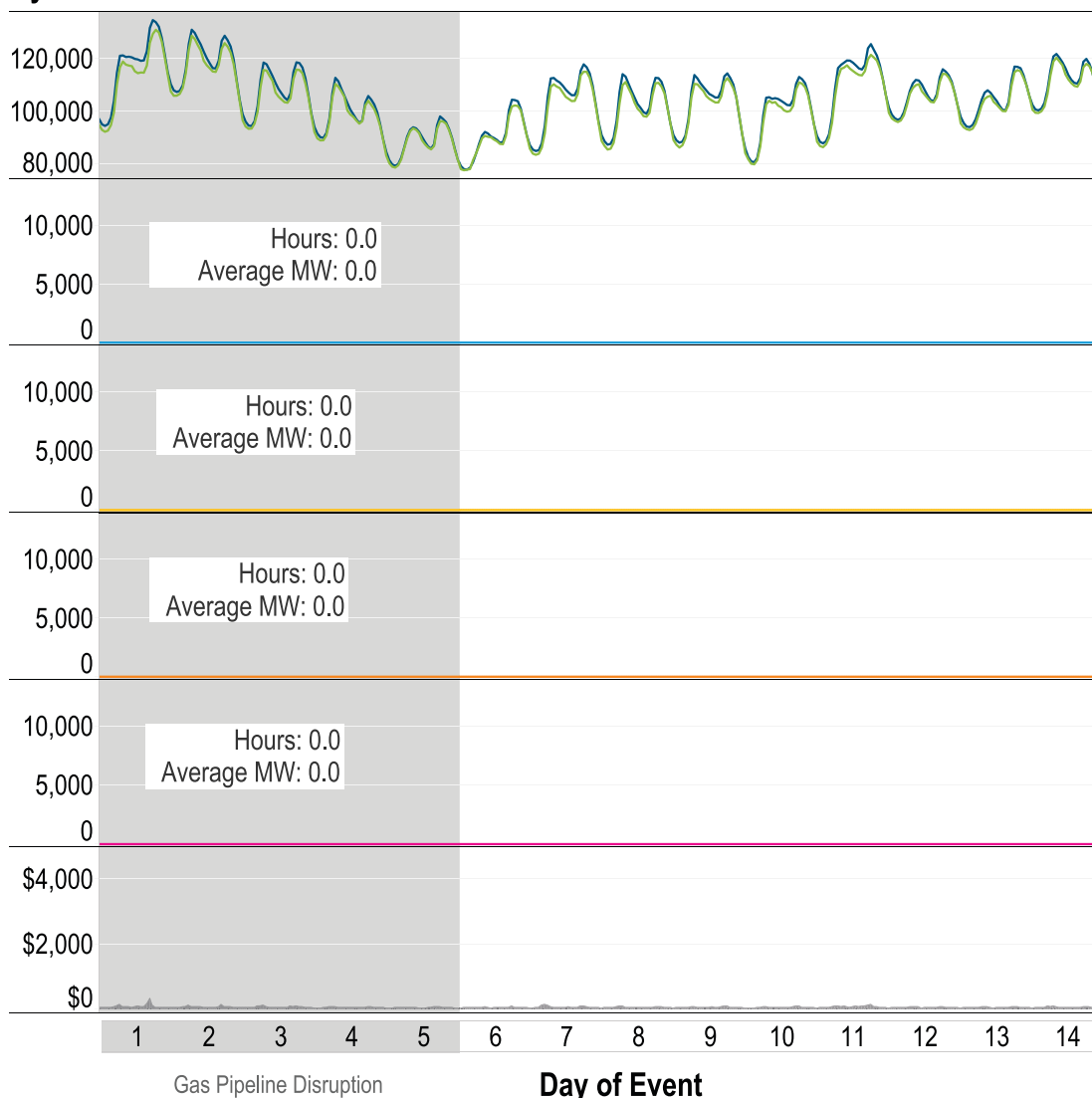


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



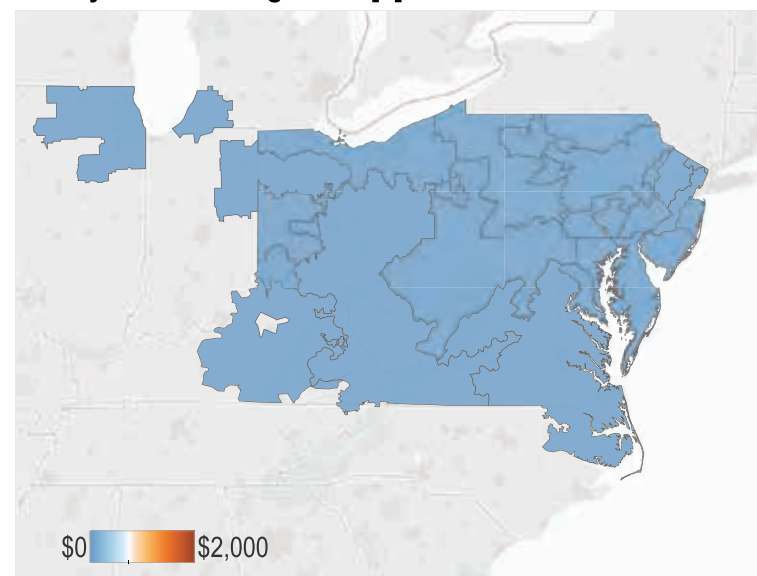
Legend



## Scenario: 219

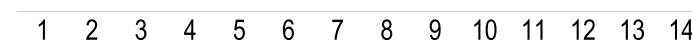
Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.20M



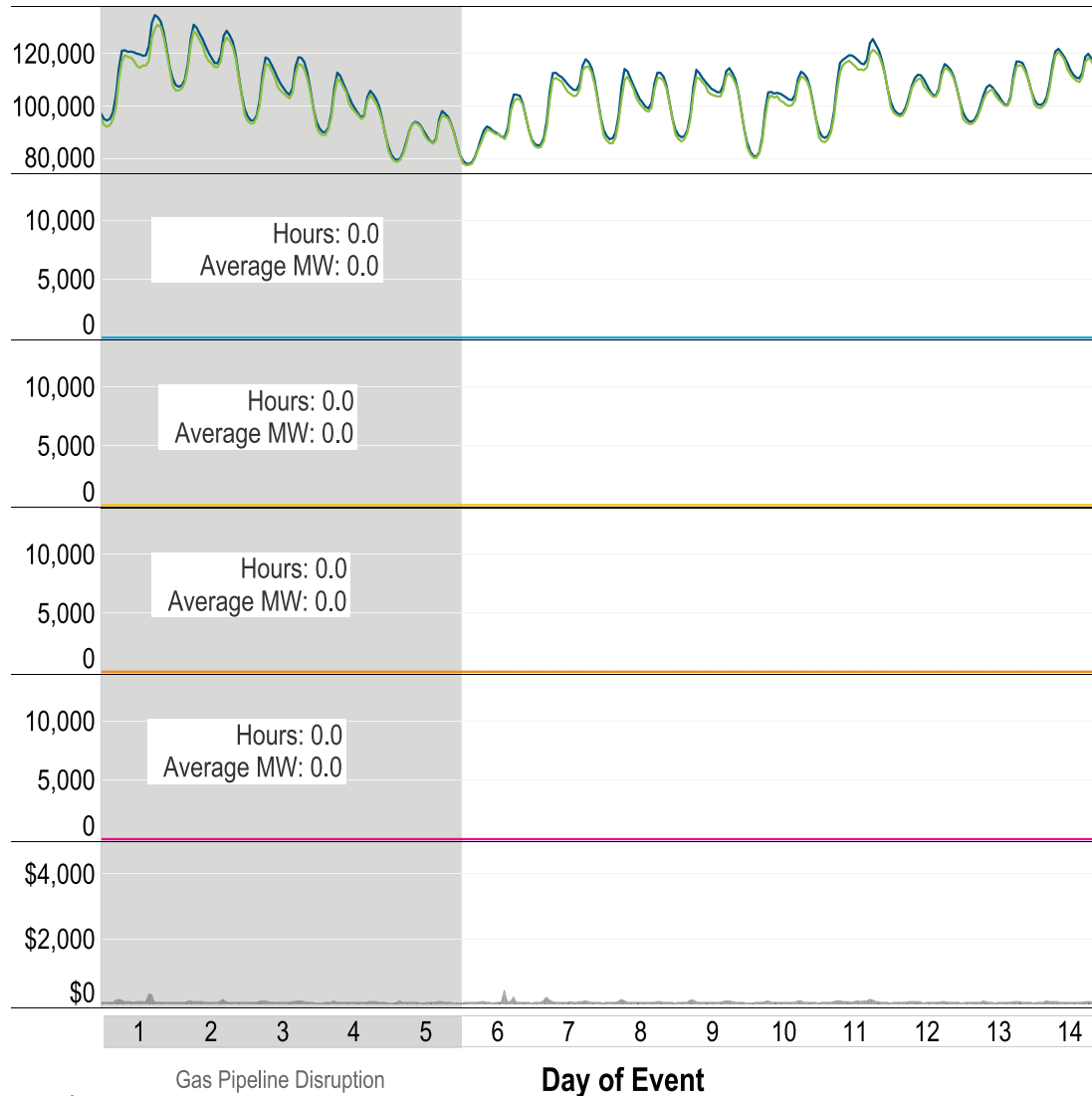
\*141 Total Sites

Day of Event

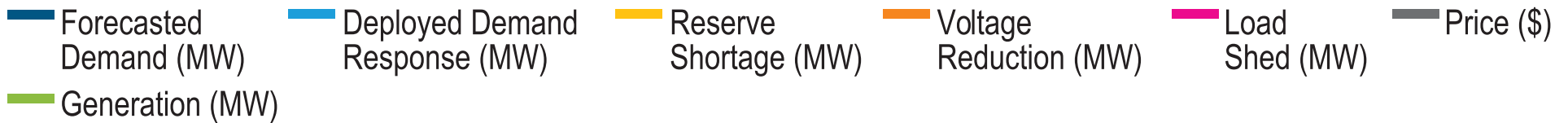
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



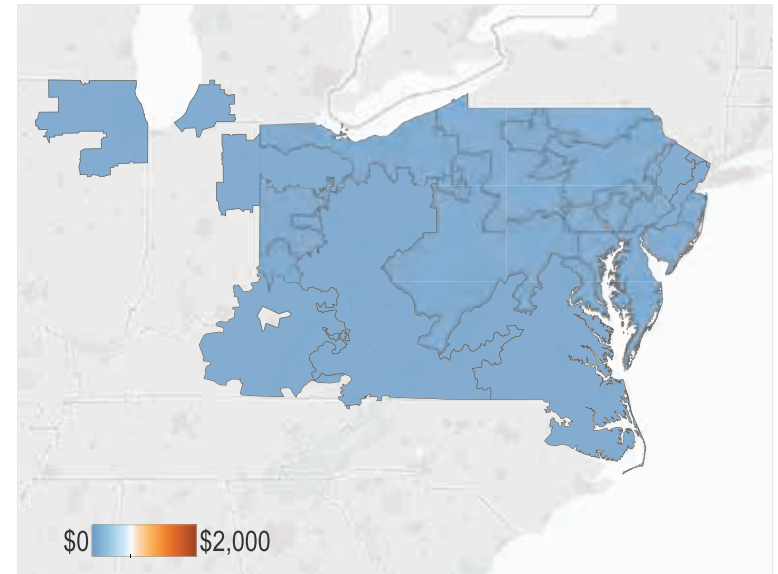
Legend



## Scenario: 220

Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.18M



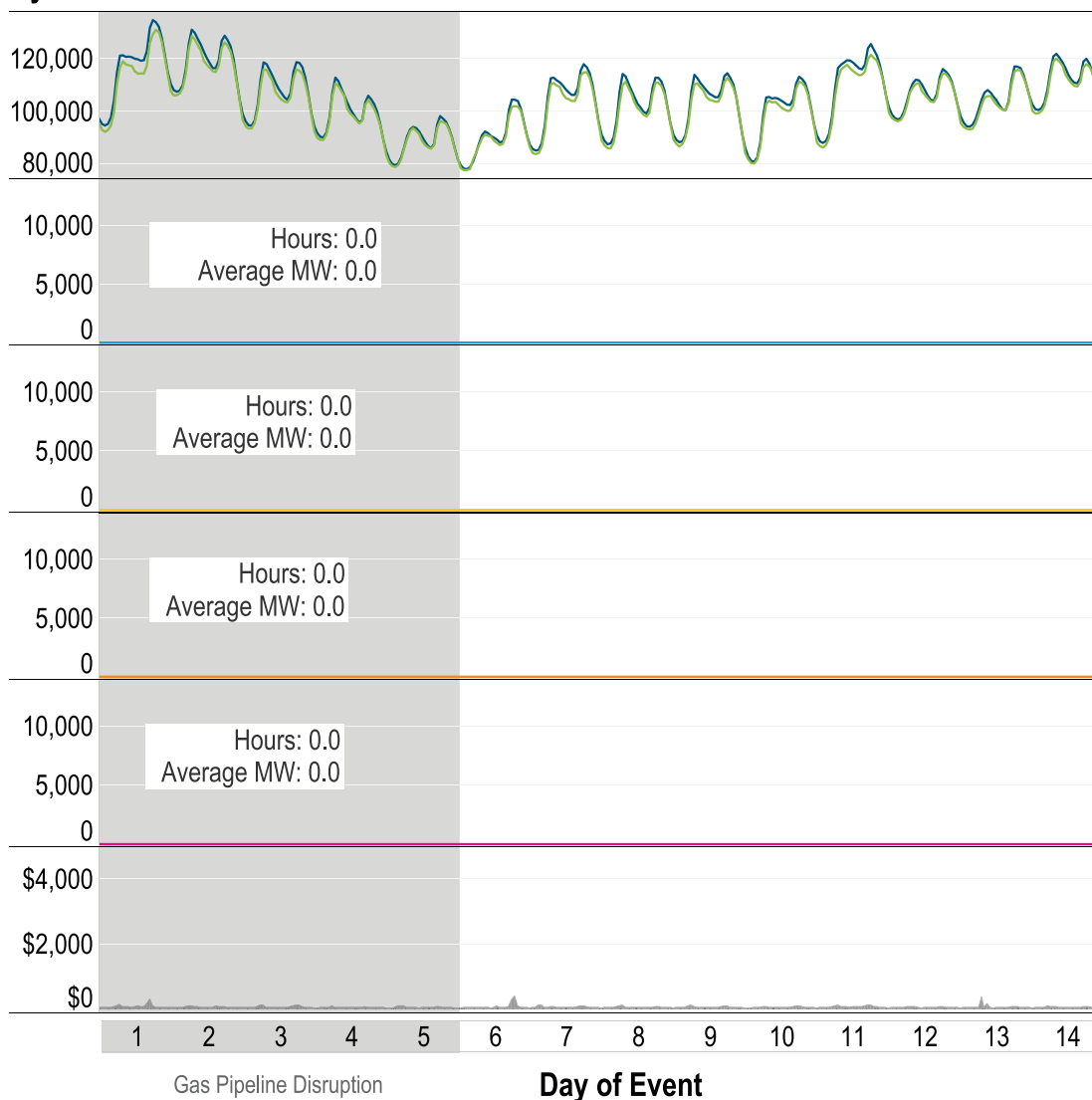
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



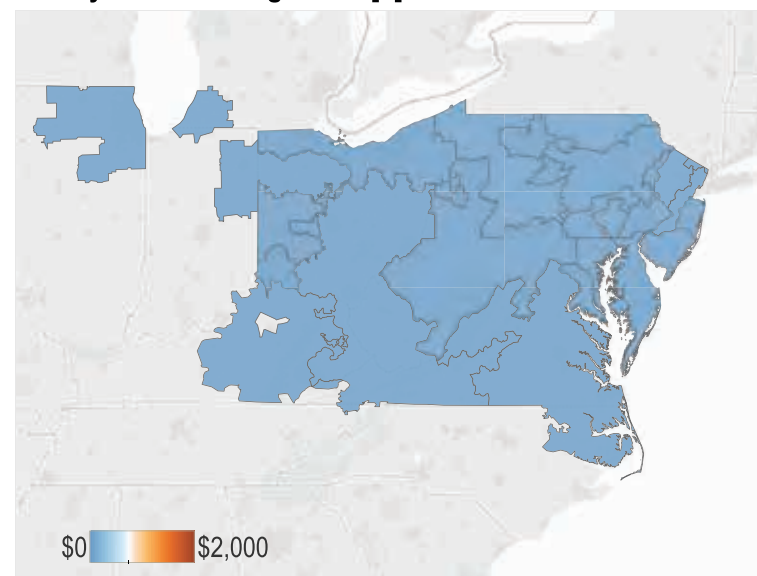
Legend



## Scenario: 221

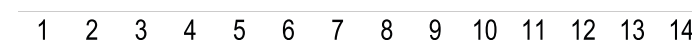
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.20M

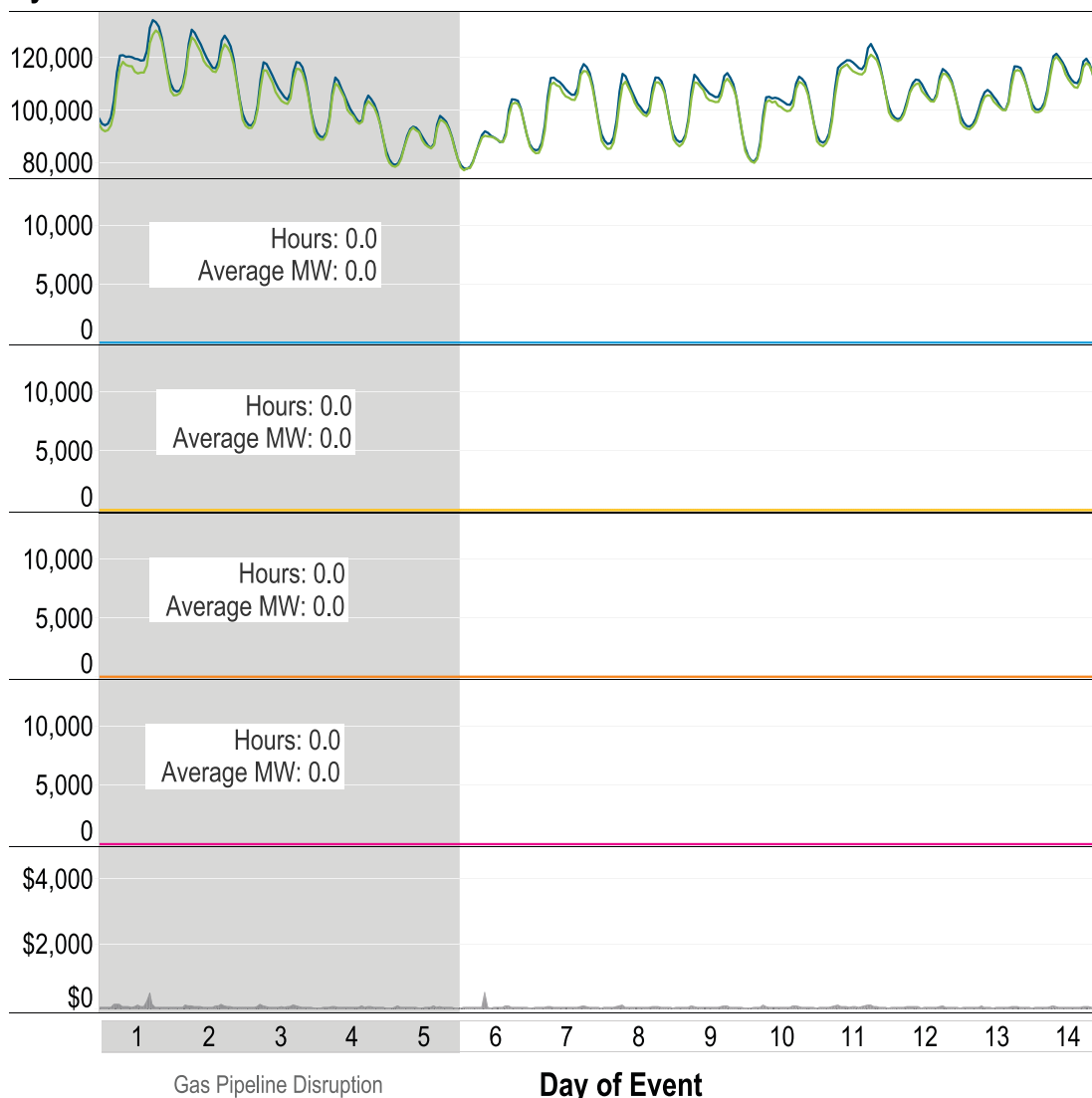


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



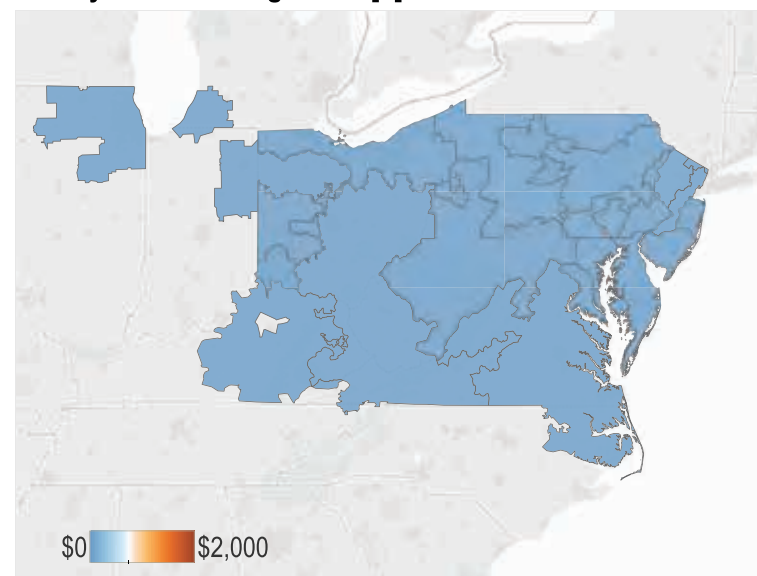
Legend



## Scenario: 222

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.17M



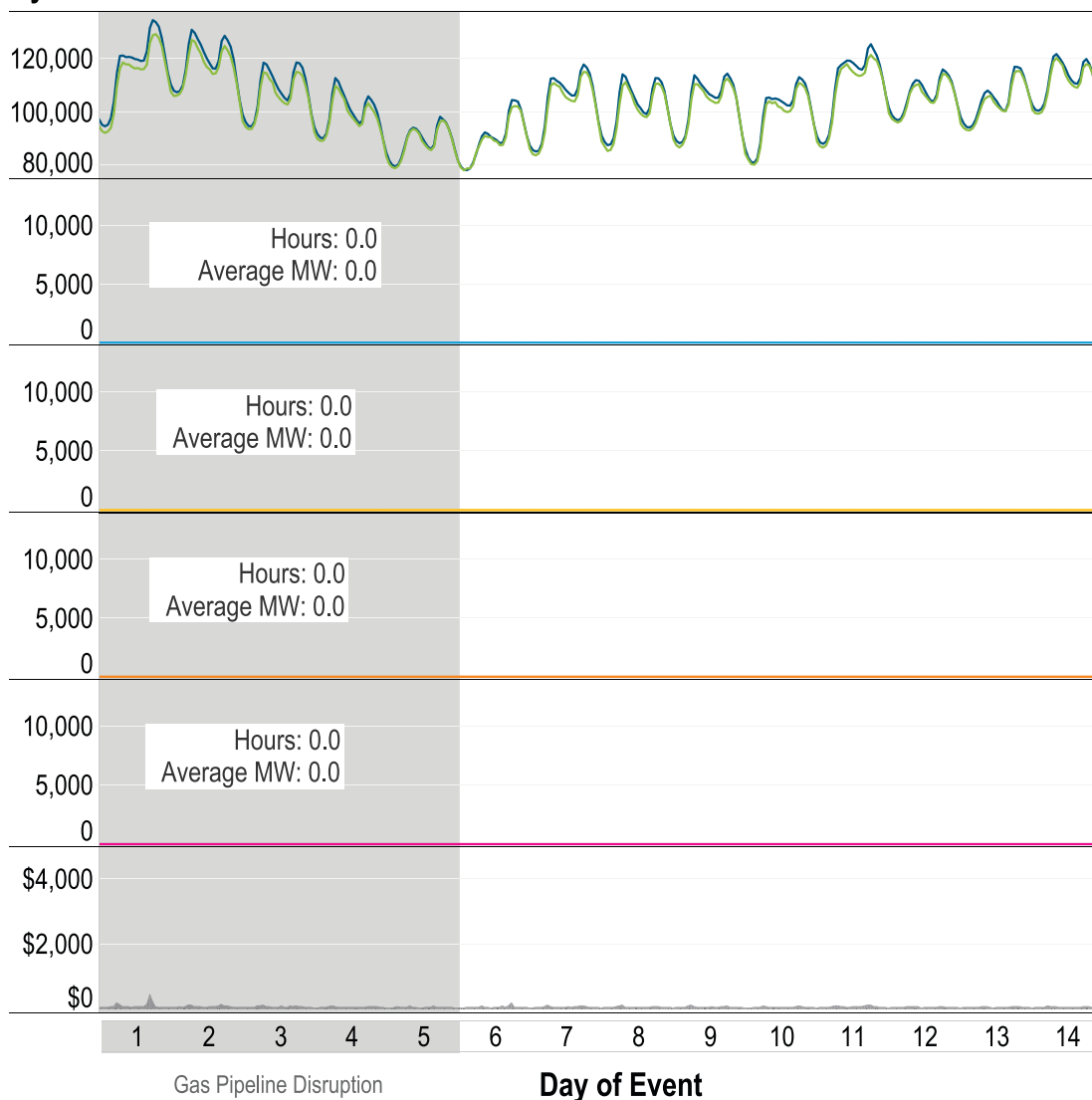
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview

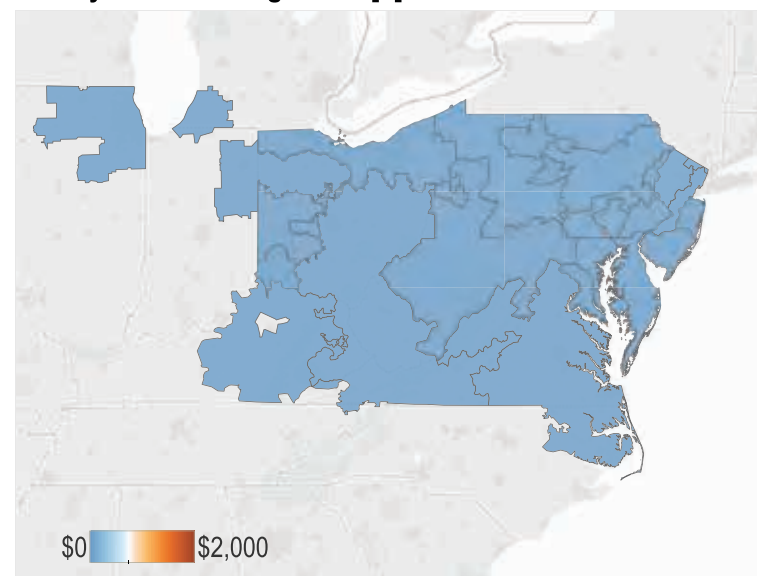


Legend

## Scenario: 223

Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.20M



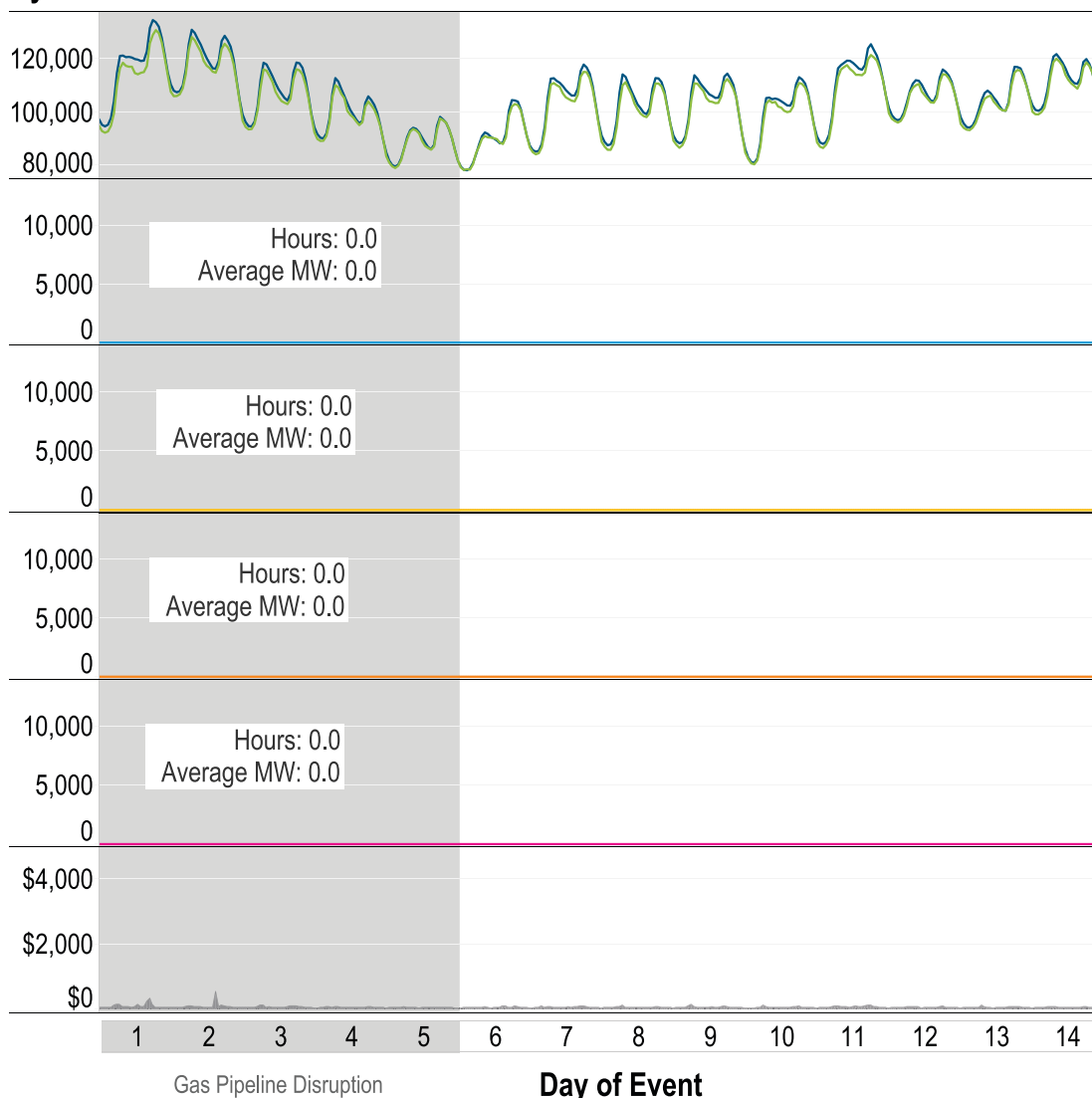
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



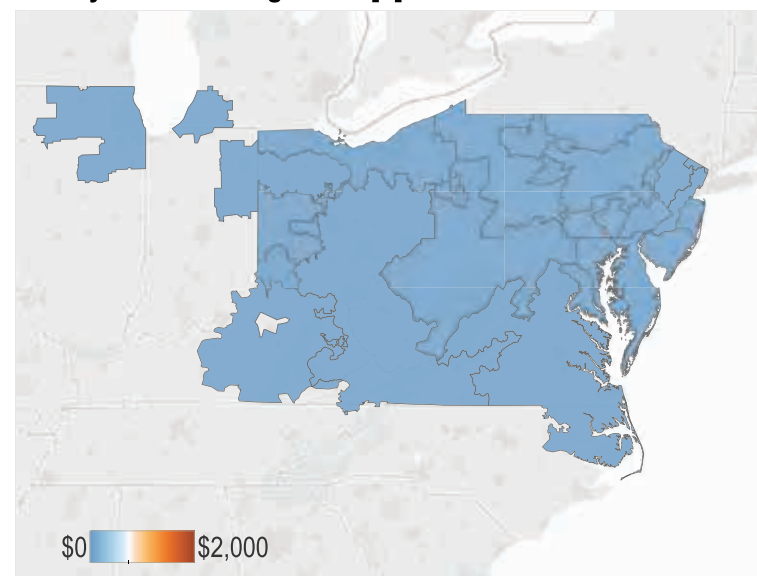
Legend



## Scenario: 224

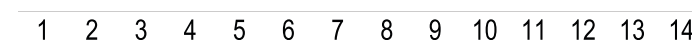
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.19M

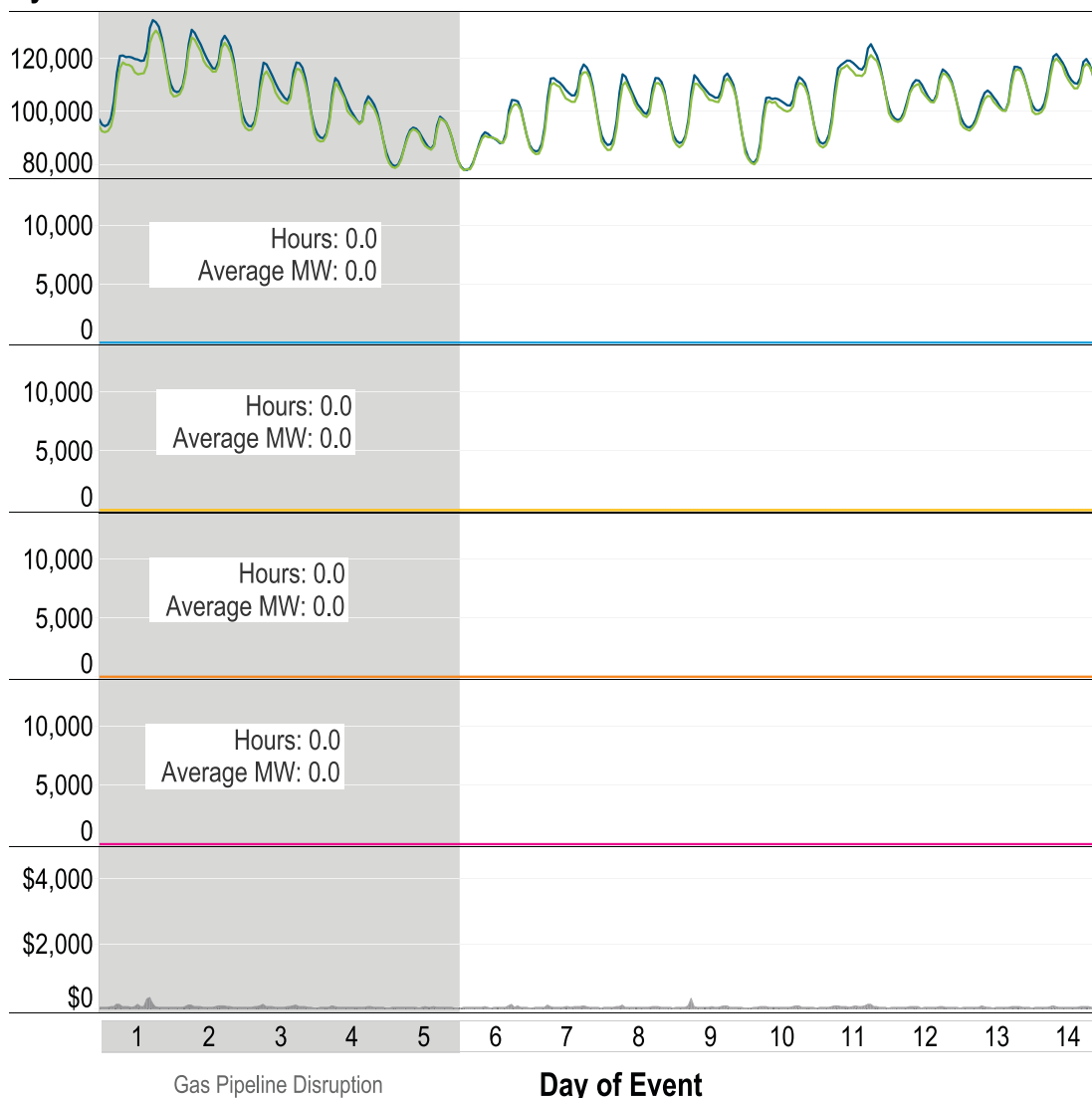


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



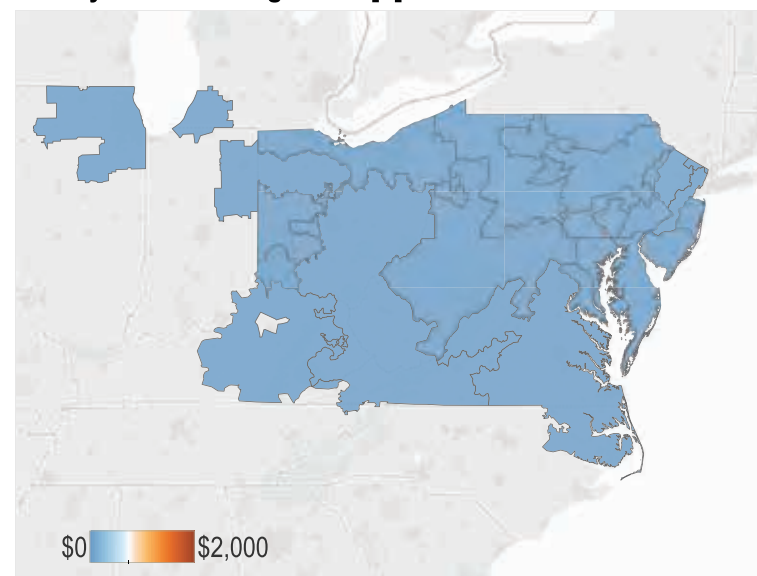
Legend



## Scenario: 225

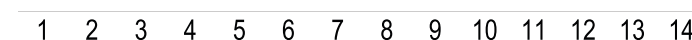
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.25M

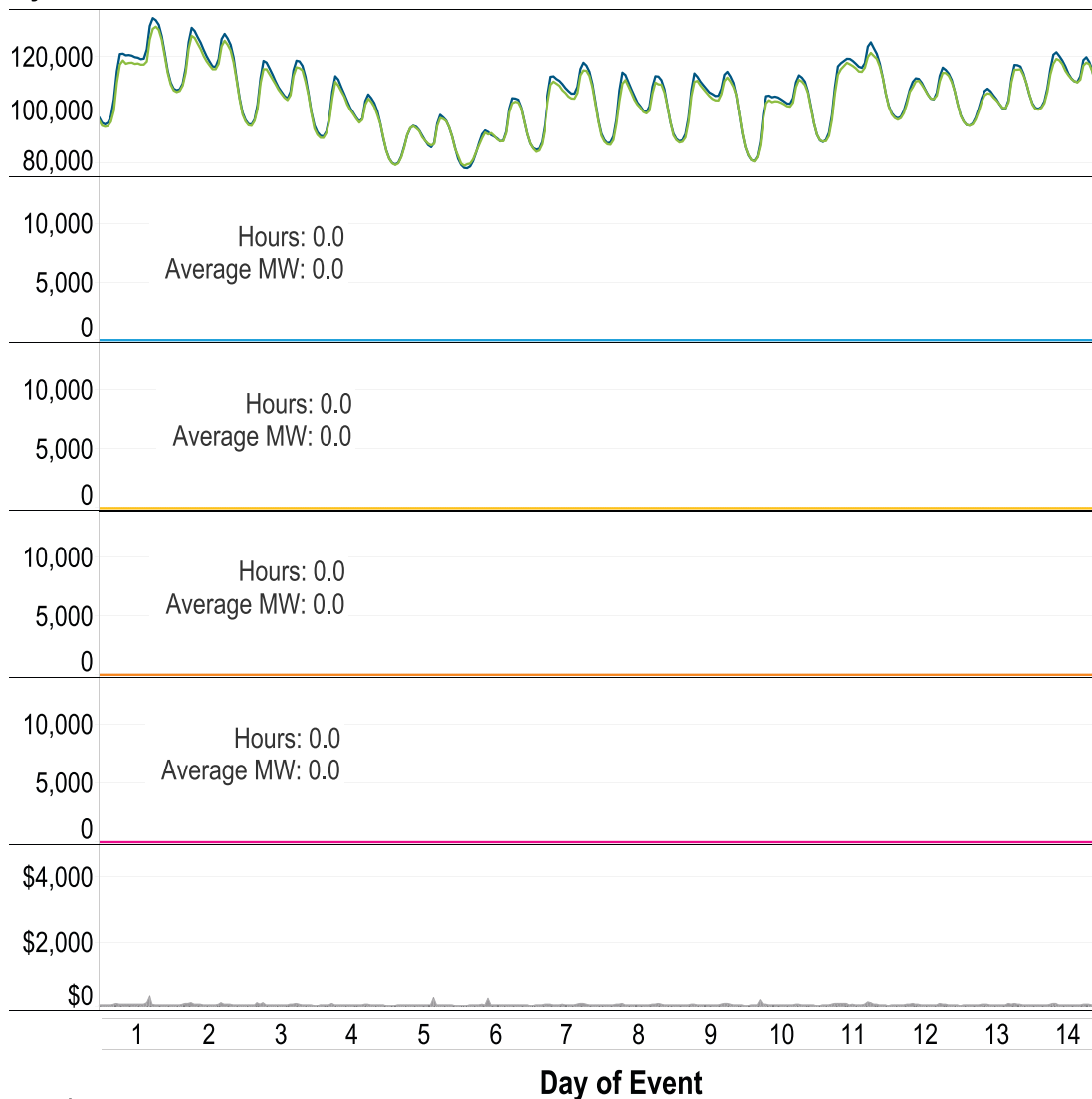


\*141 Total Sites

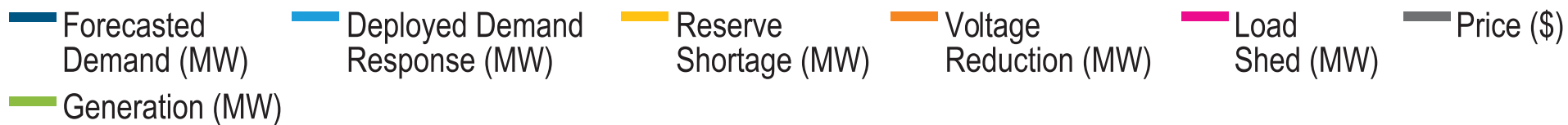
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



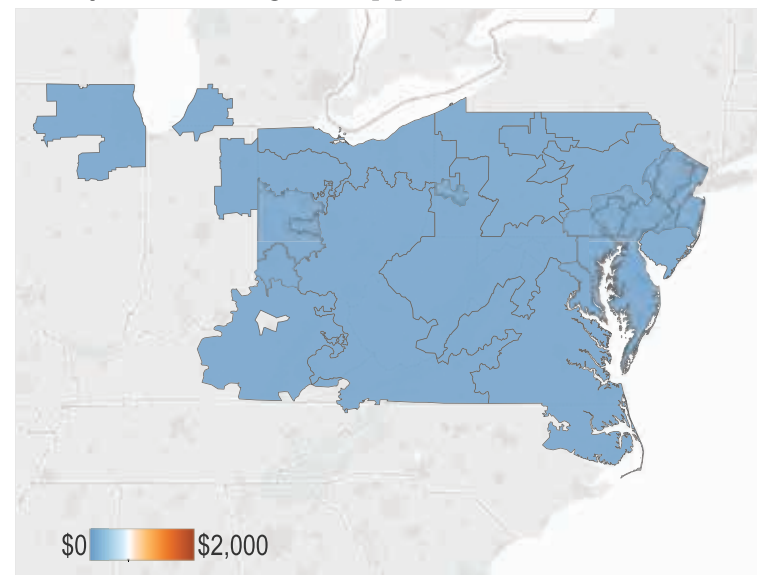
Legend



## Scenario: 226

Load:	Typical
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



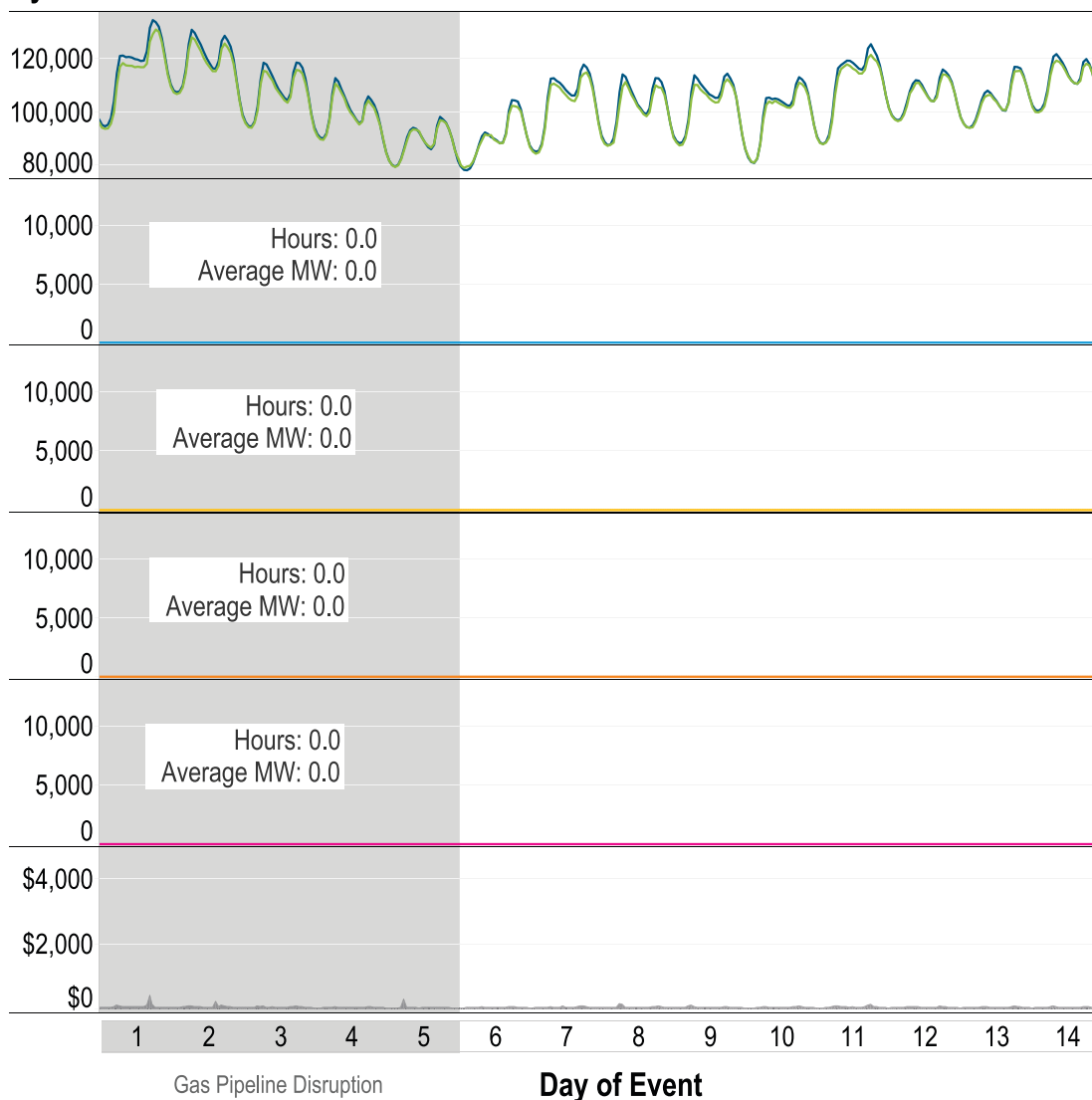
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

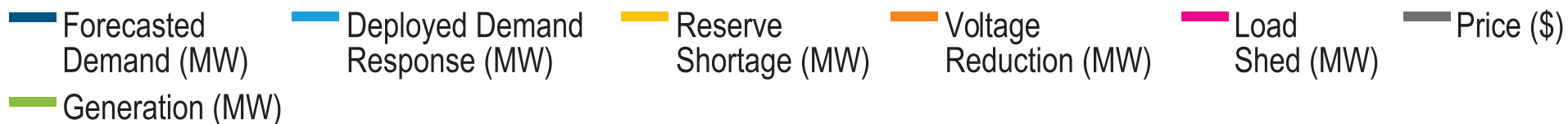
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



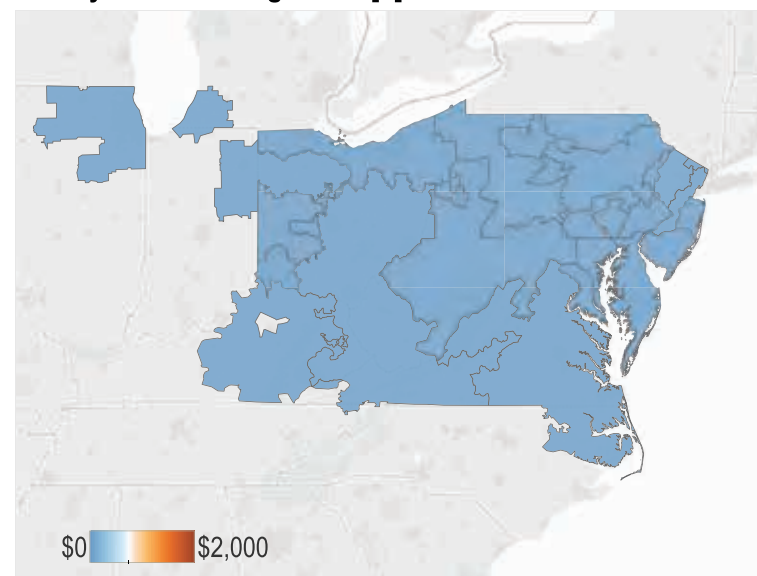
Legend



## Scenario: 227

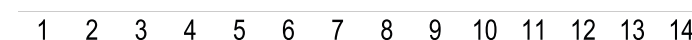
Load:	Typical
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



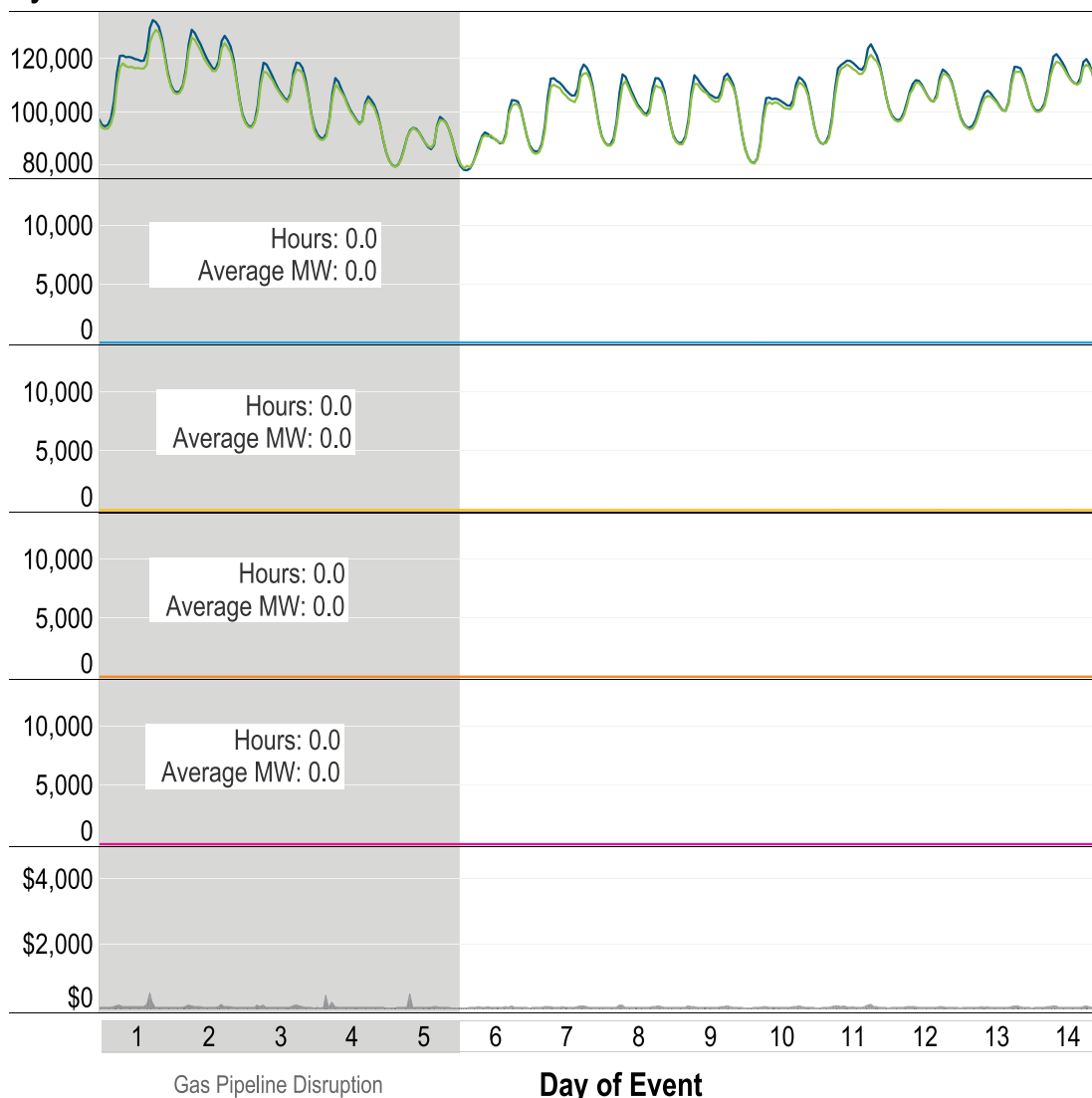
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



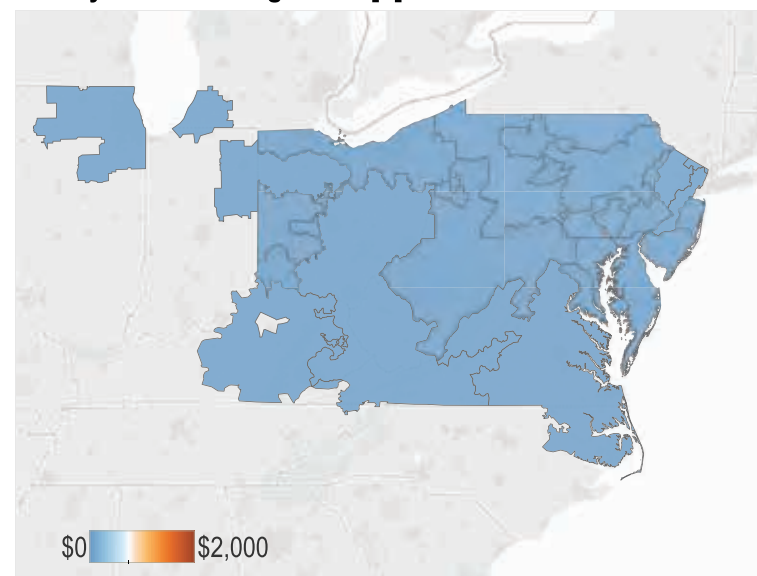
Legend



## Scenario: 228

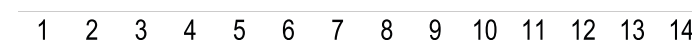
Load:	Typical
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.47M

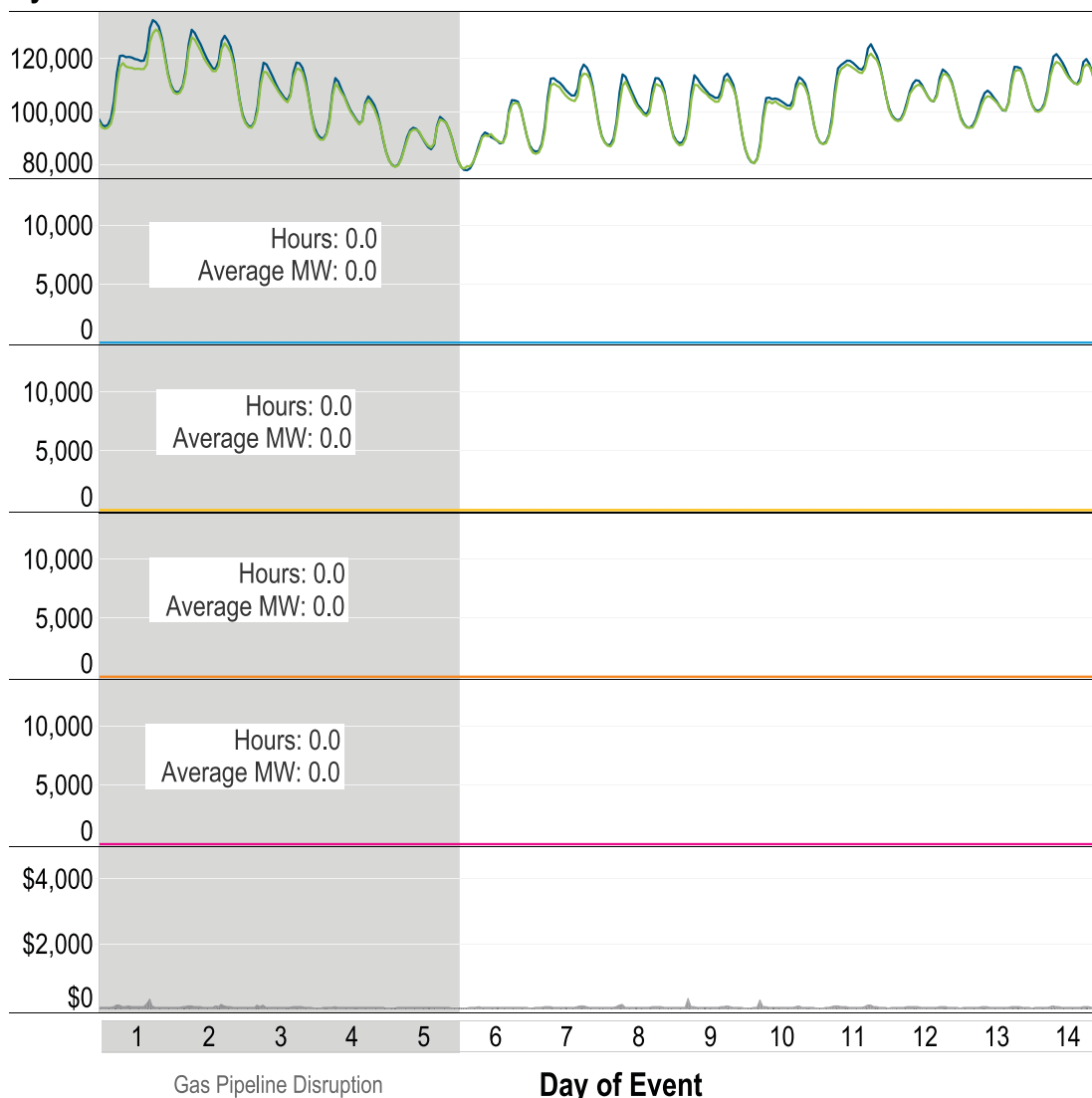


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



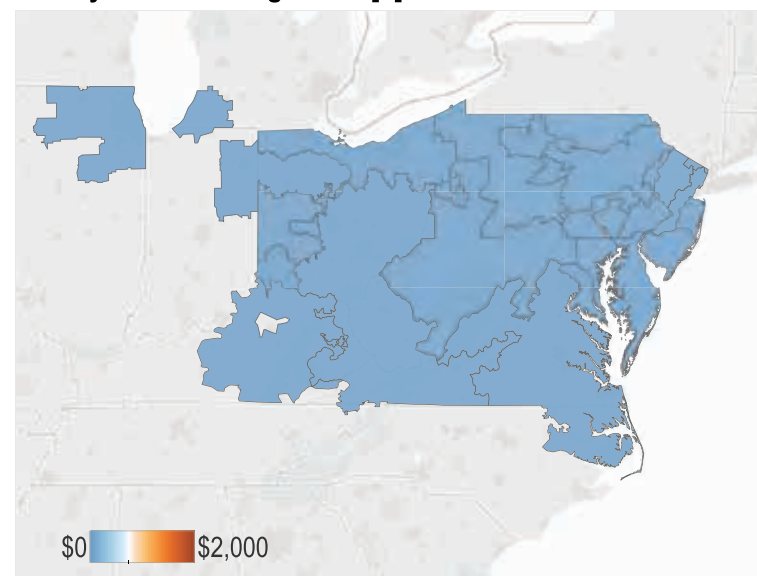
Legend



## Scenario: 229

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M

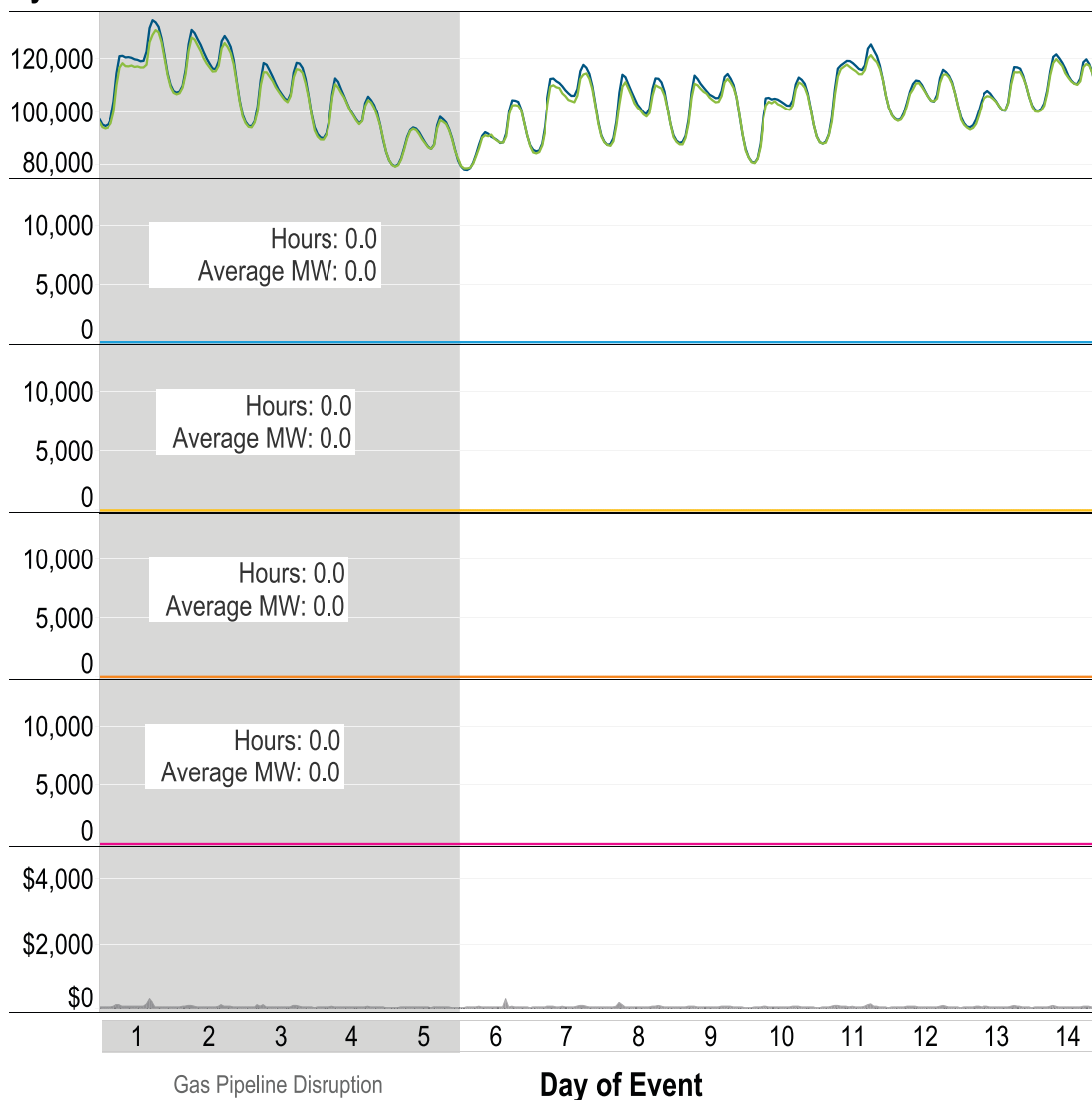


\*141 Total Sites

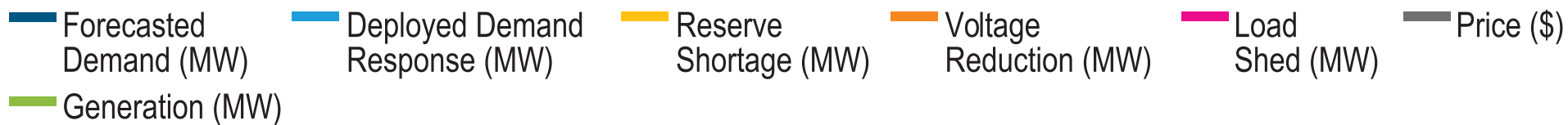
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



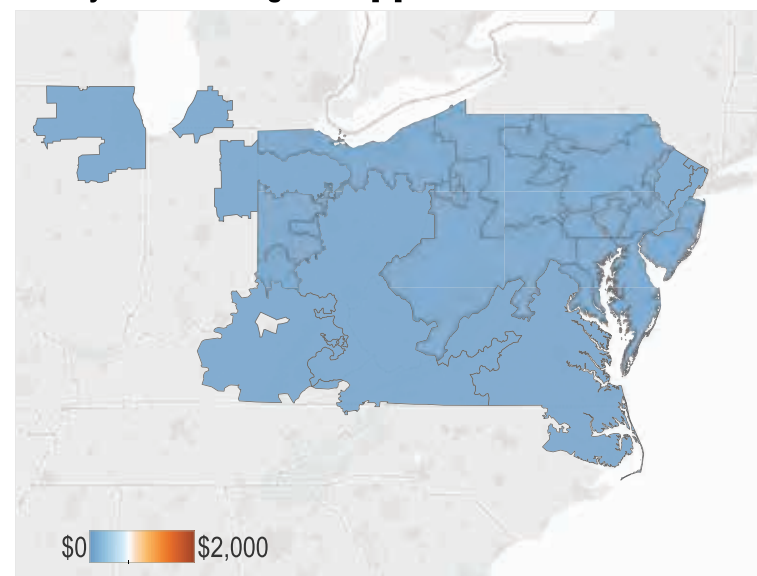
Legend



## Scenario: 230

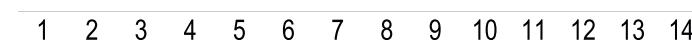
Load:	Typical
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.47M

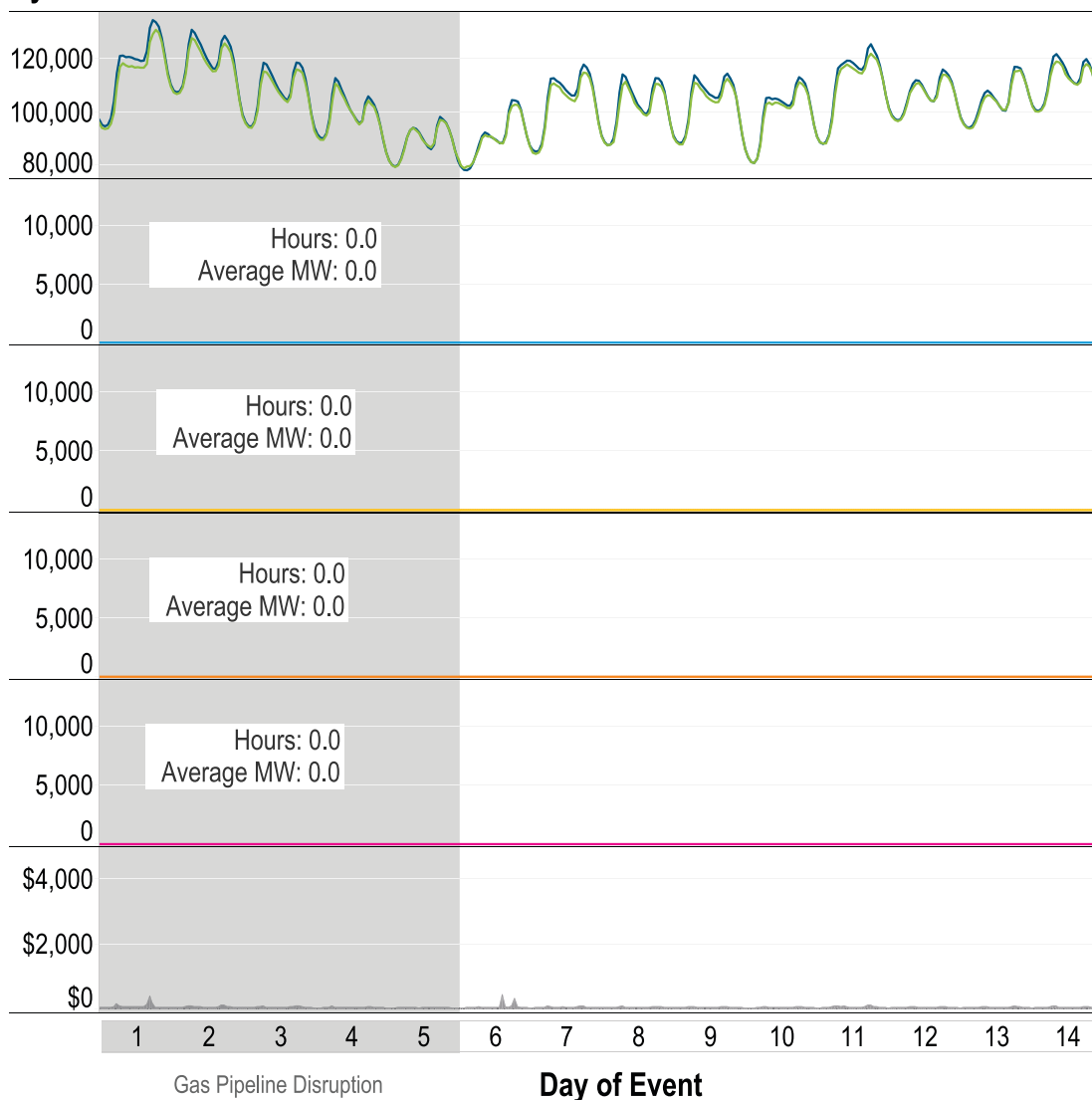


\*141 Total Sites

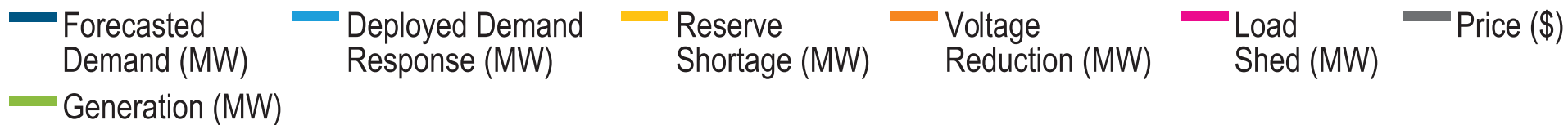
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



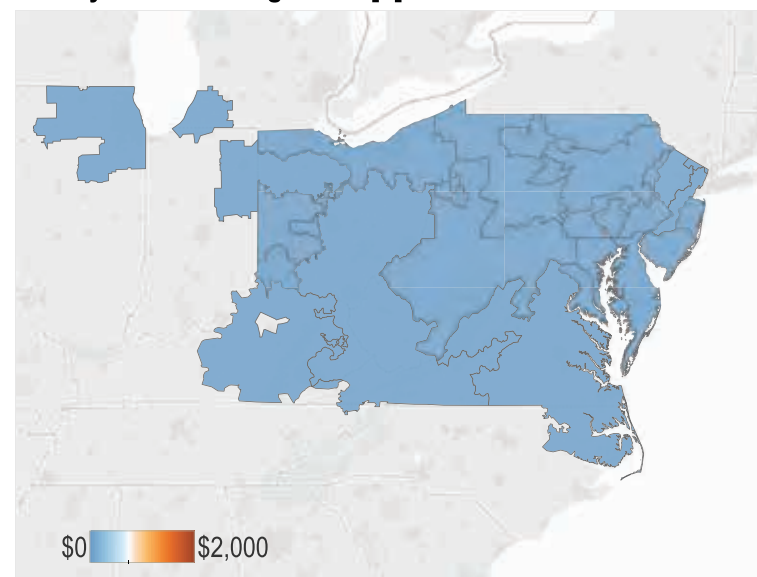
Legend



## Scenario: 231

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



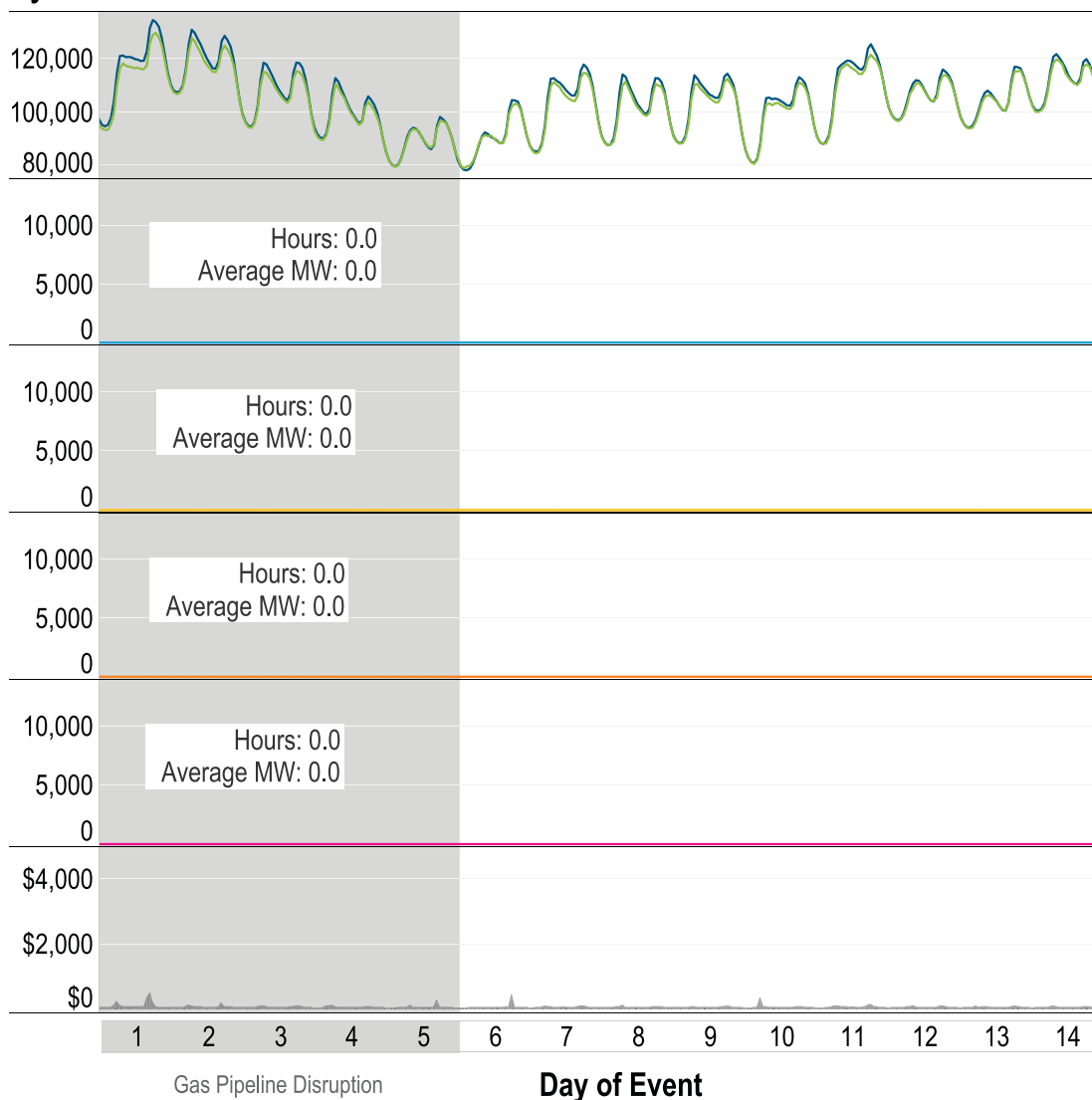
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



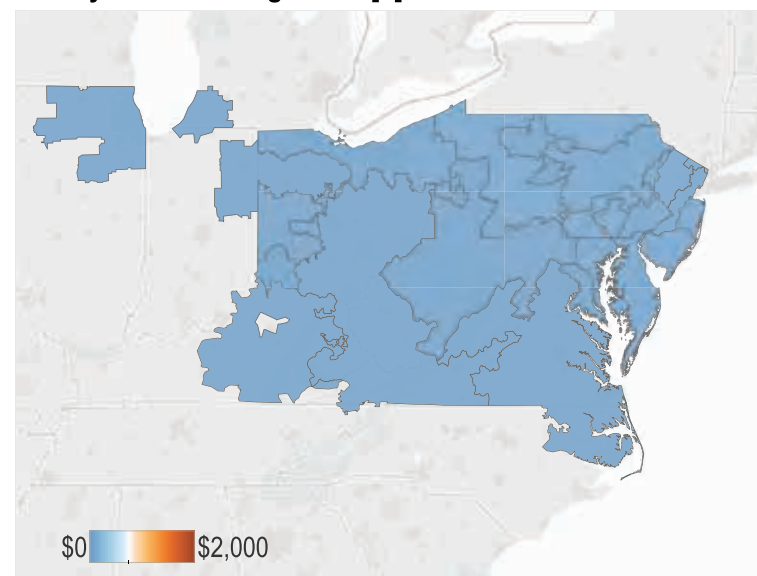
Legend



## Scenario: 232

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.49M



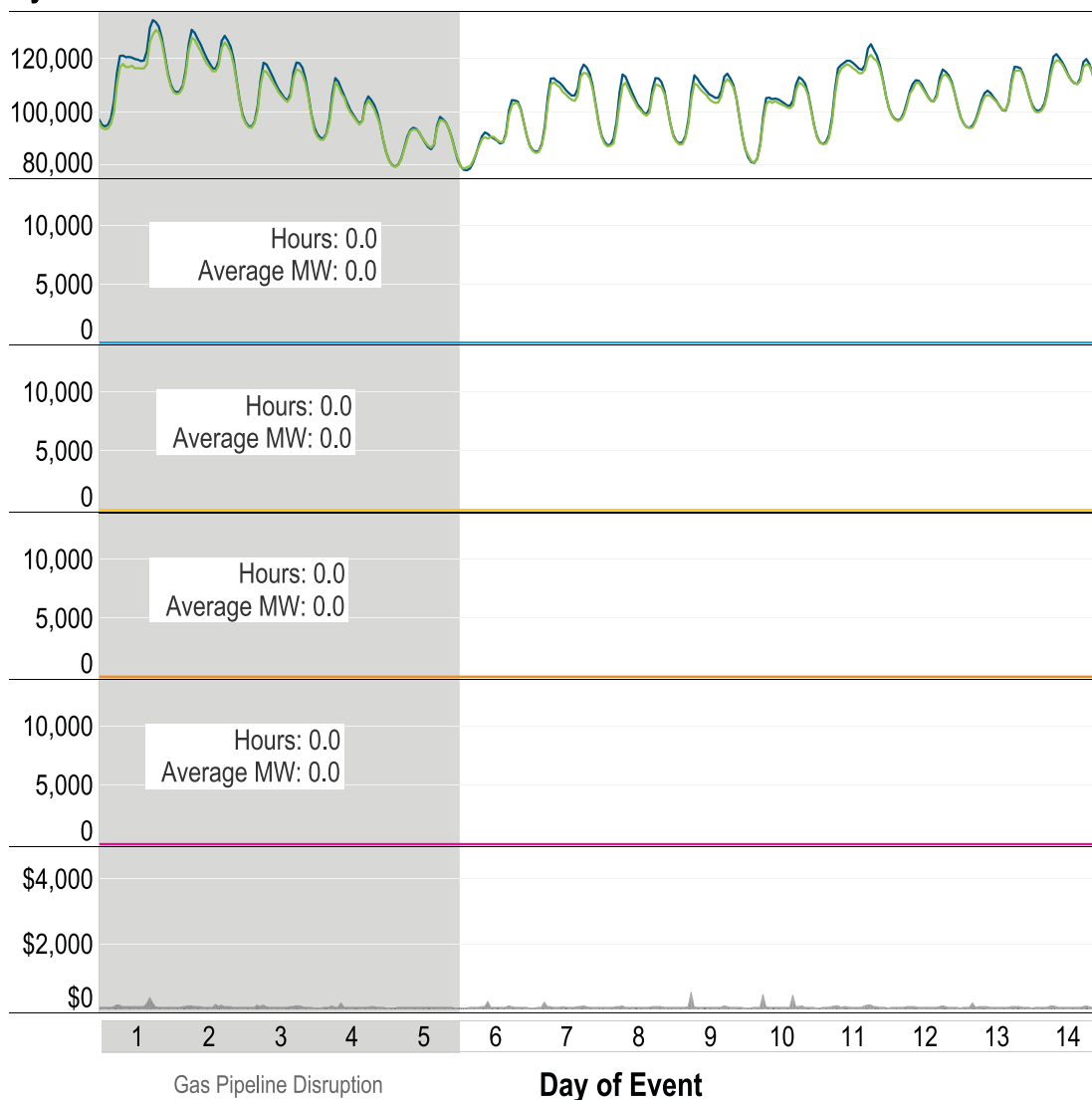
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



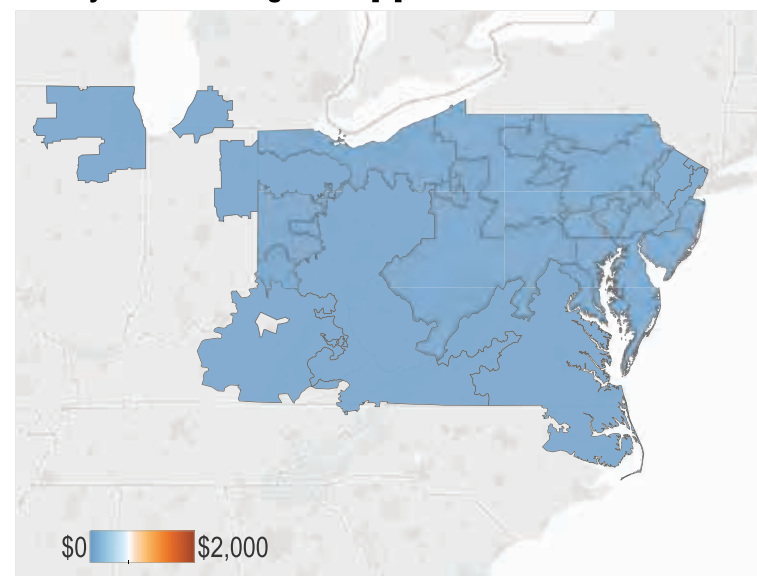
Legend



## Scenario: 233

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.46M



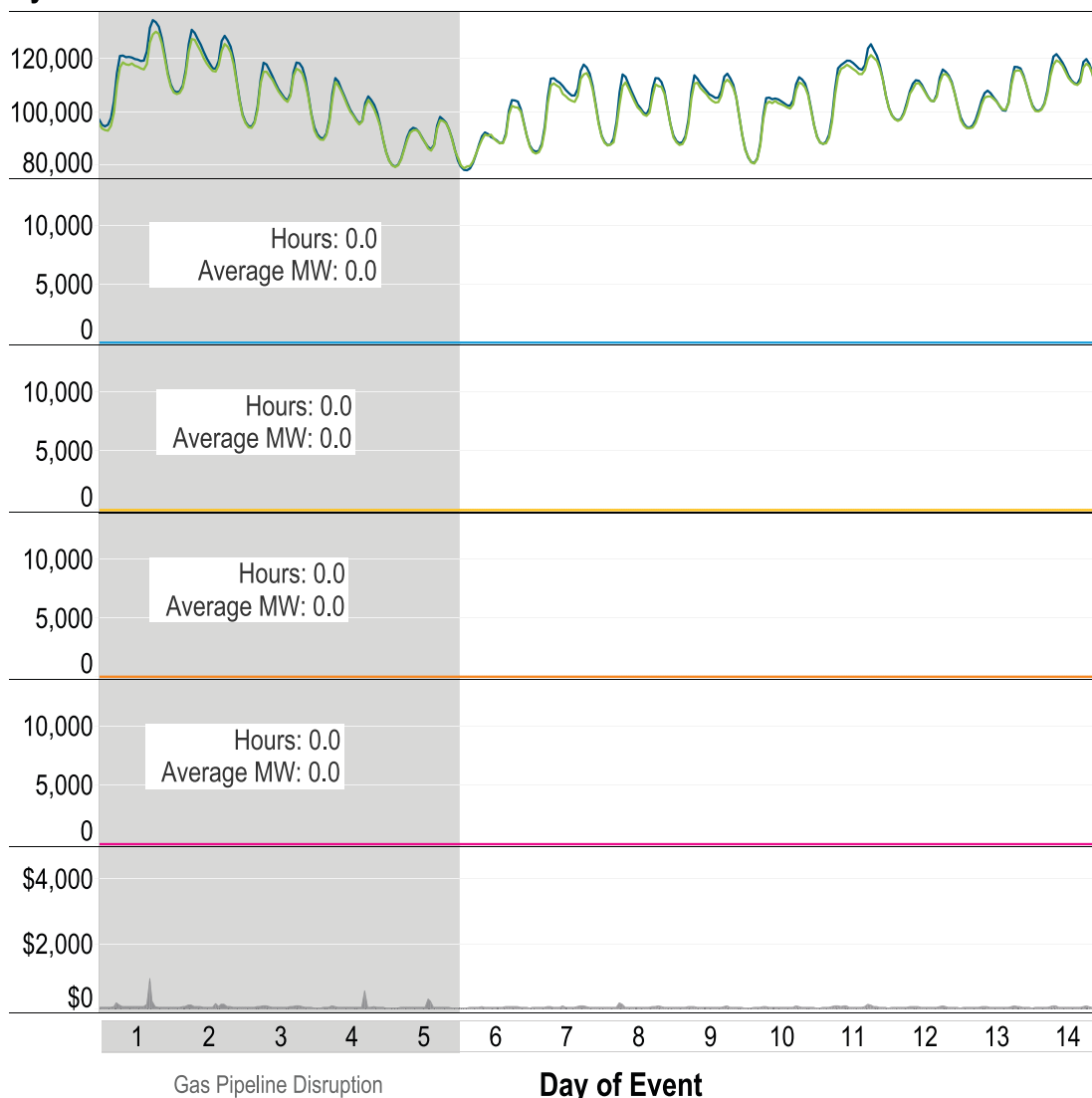
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

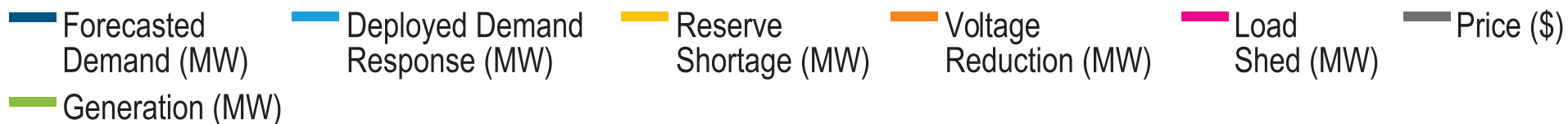
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



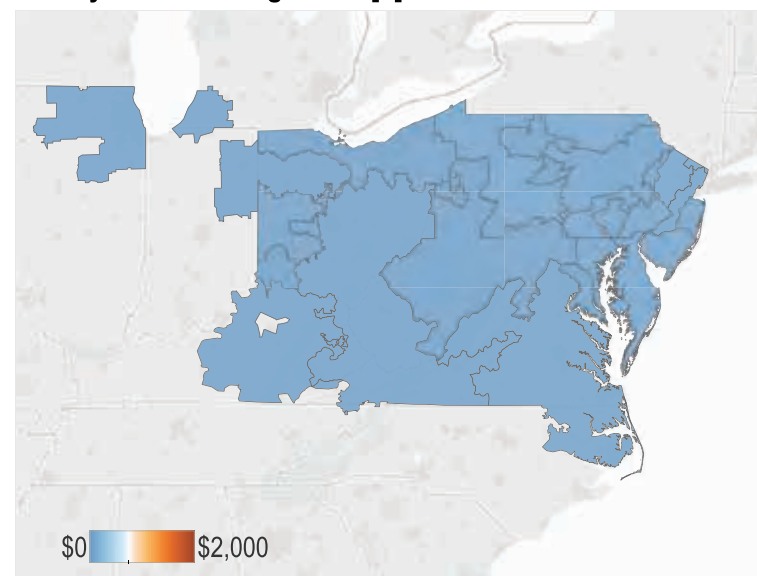
Legend



## Scenario: 234

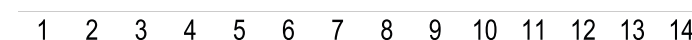
Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.48M



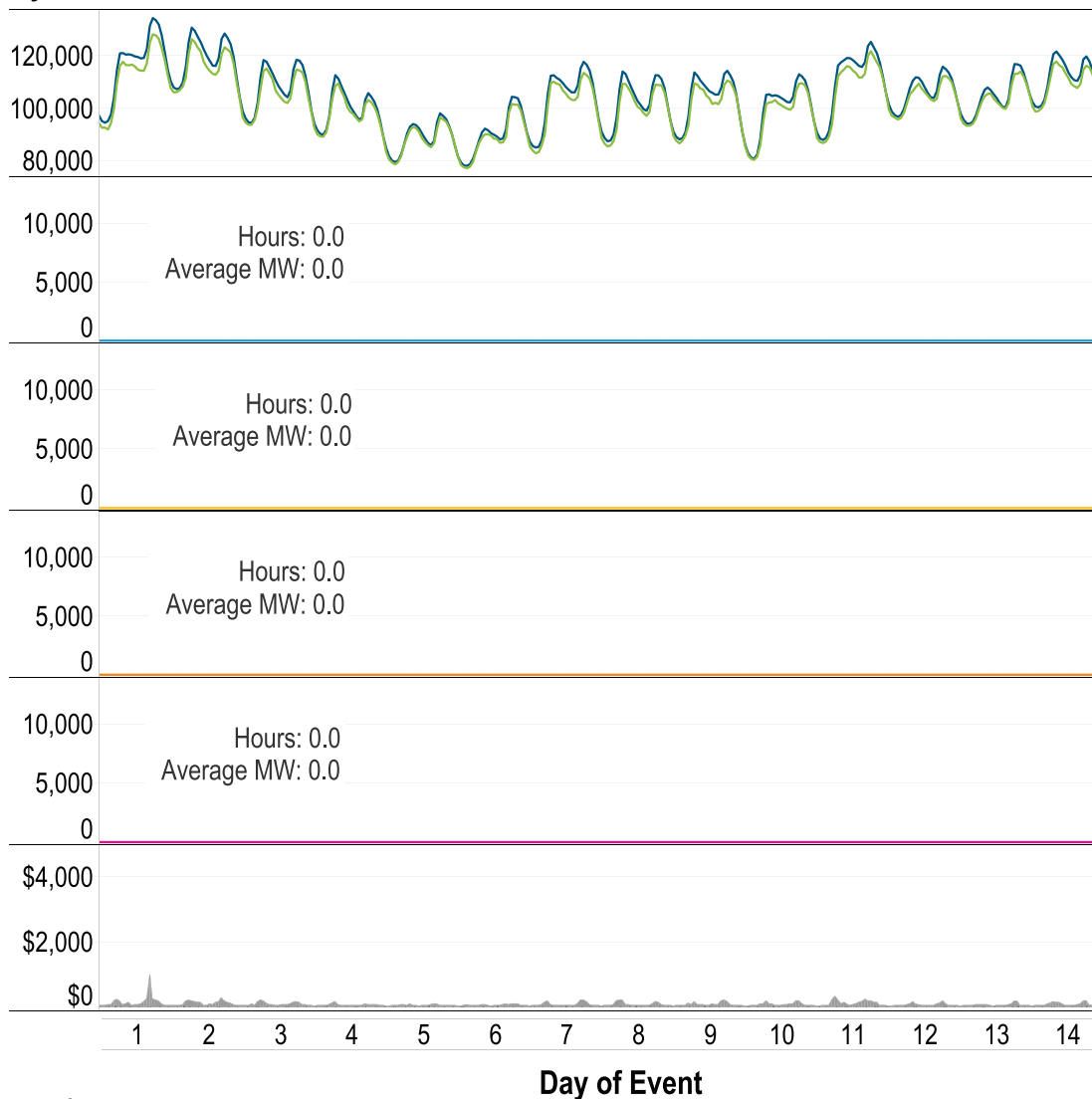
\*141 Total Sites

Day of Event

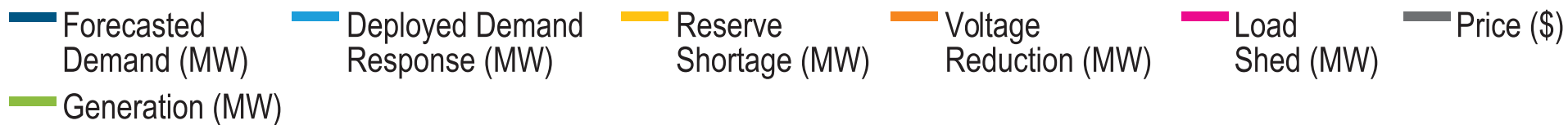
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



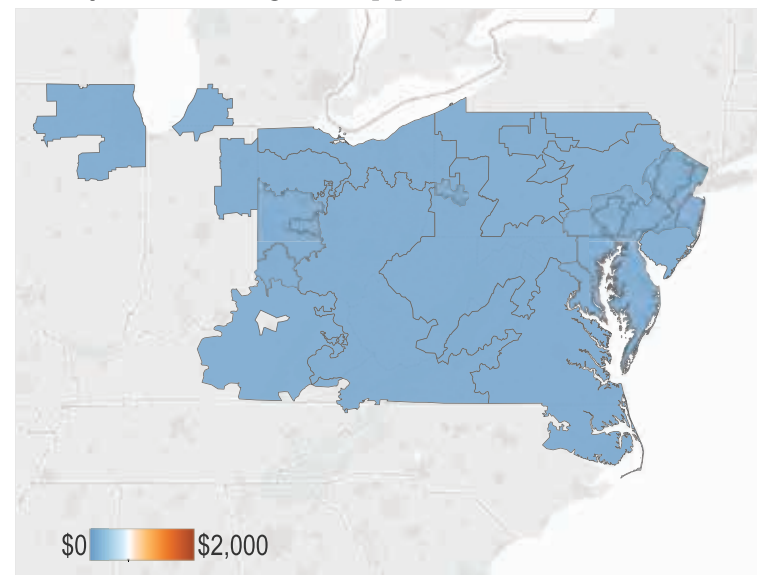
Legend



## Scenario: 235

Load:	Typical
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.71M



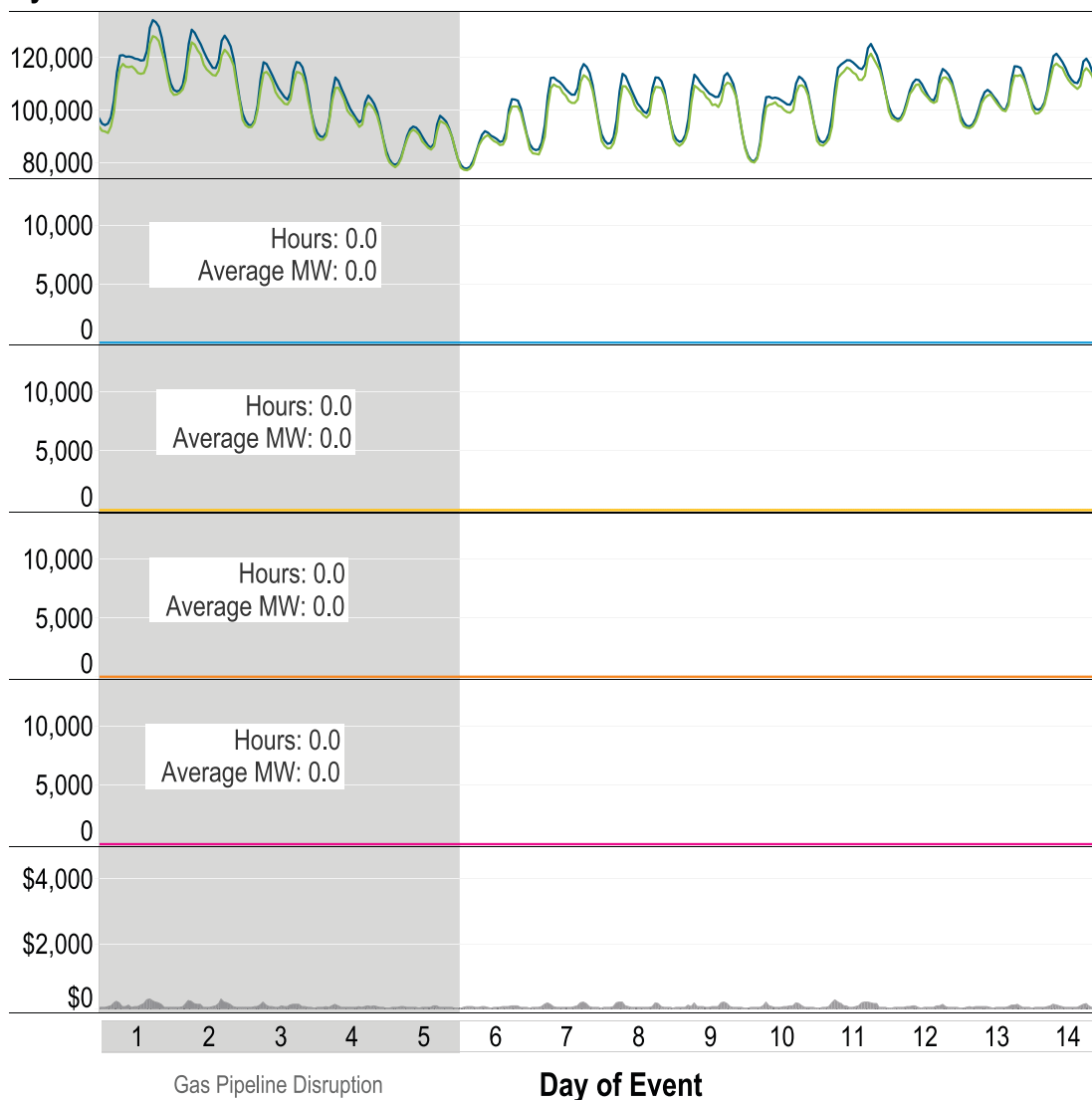
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



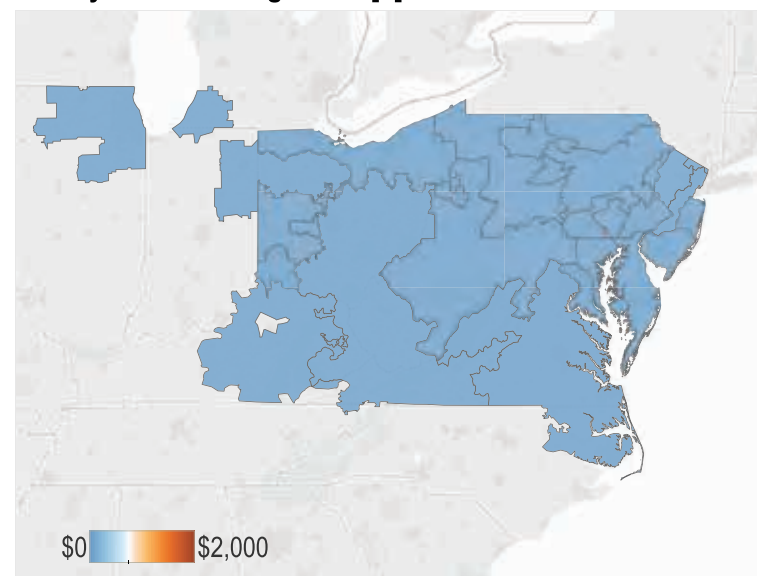
Legend



## Scenario: 236

Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.72M

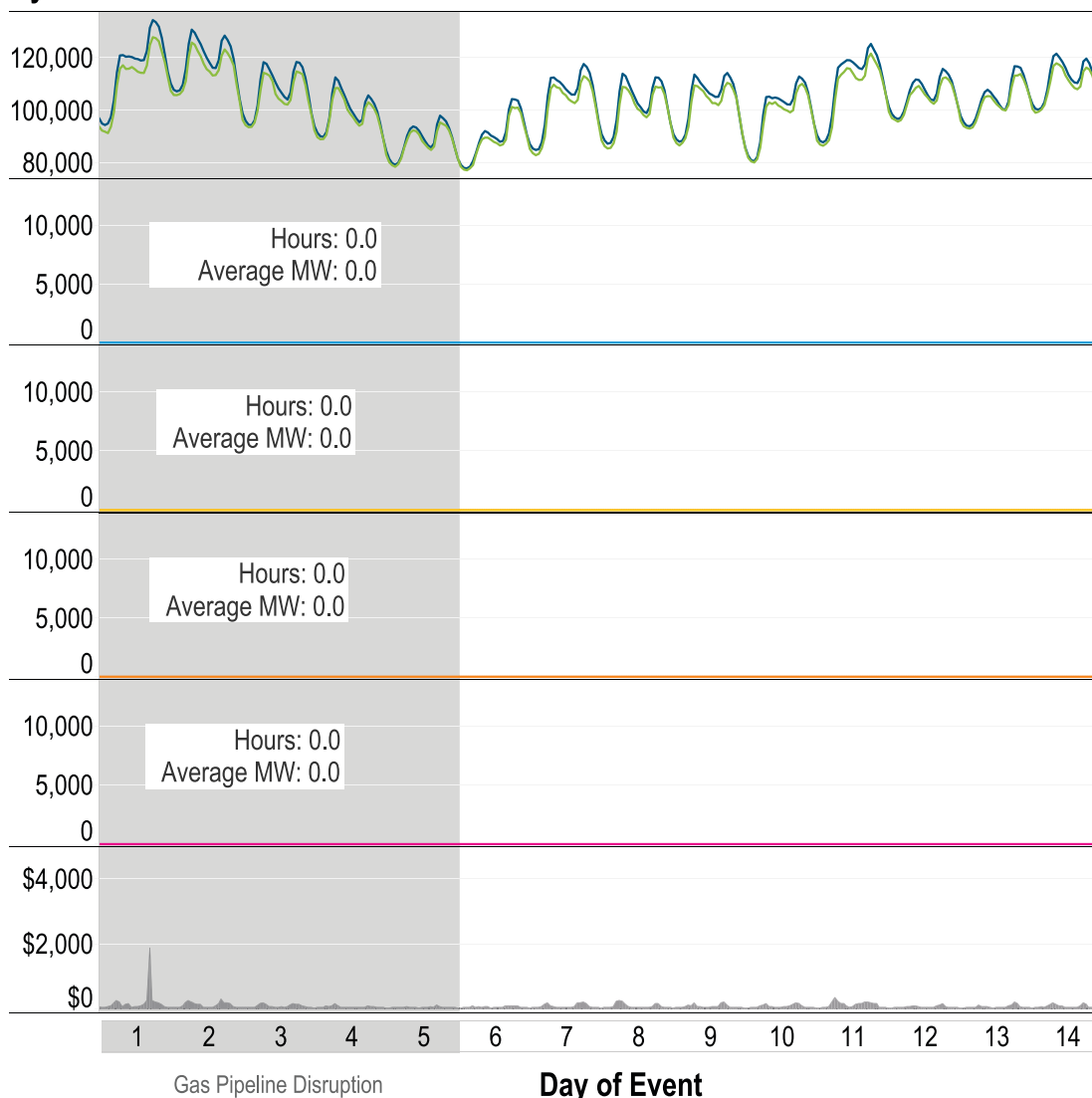


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



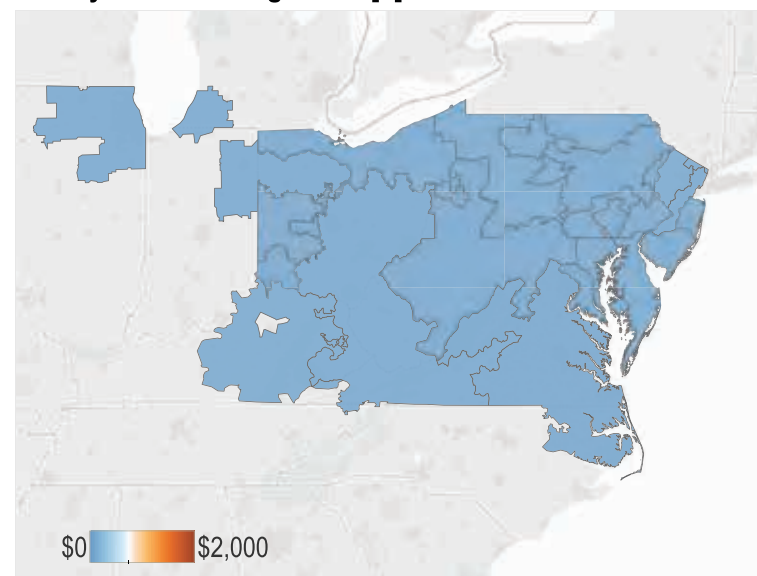
Legend



## Scenario: 237

Load:	Typical
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.76M

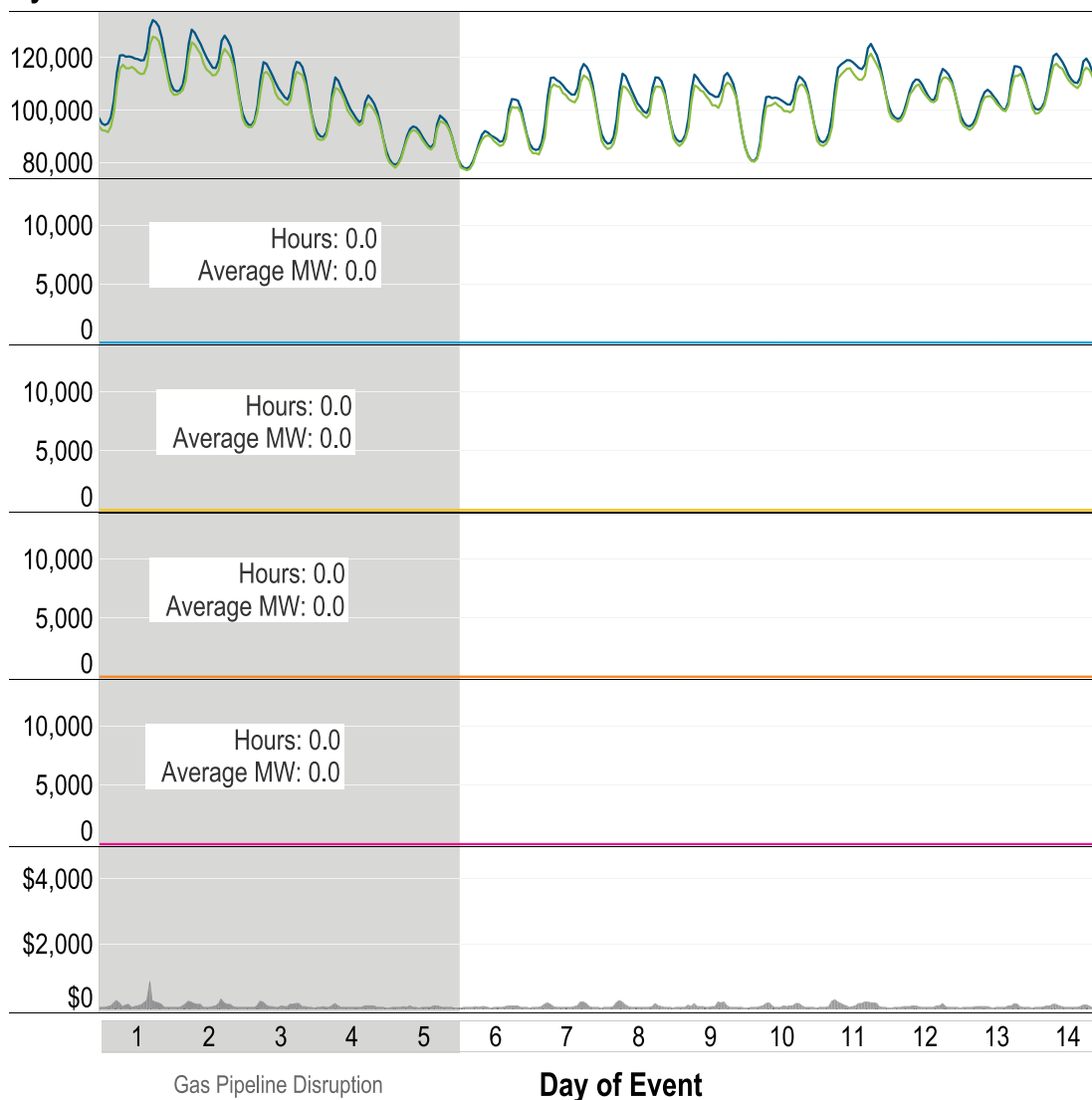


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



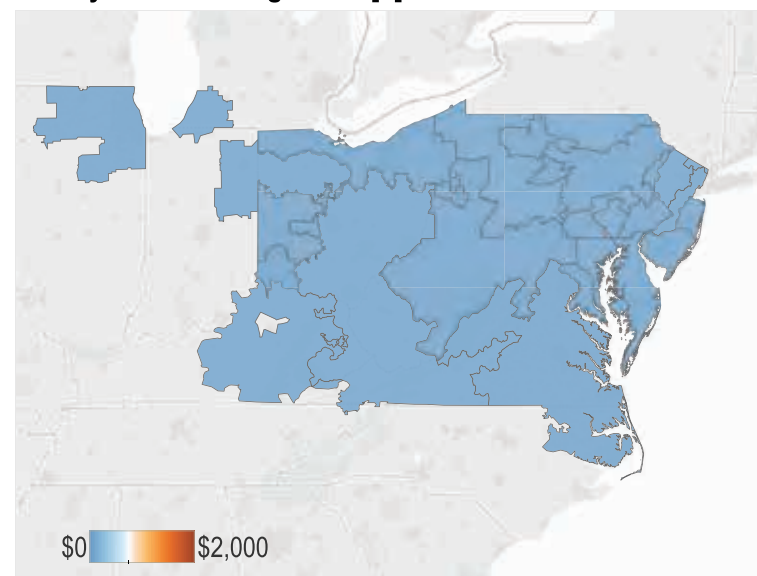
Legend



## Scenario: 238

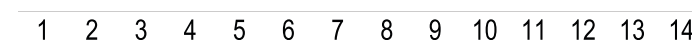
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.73M

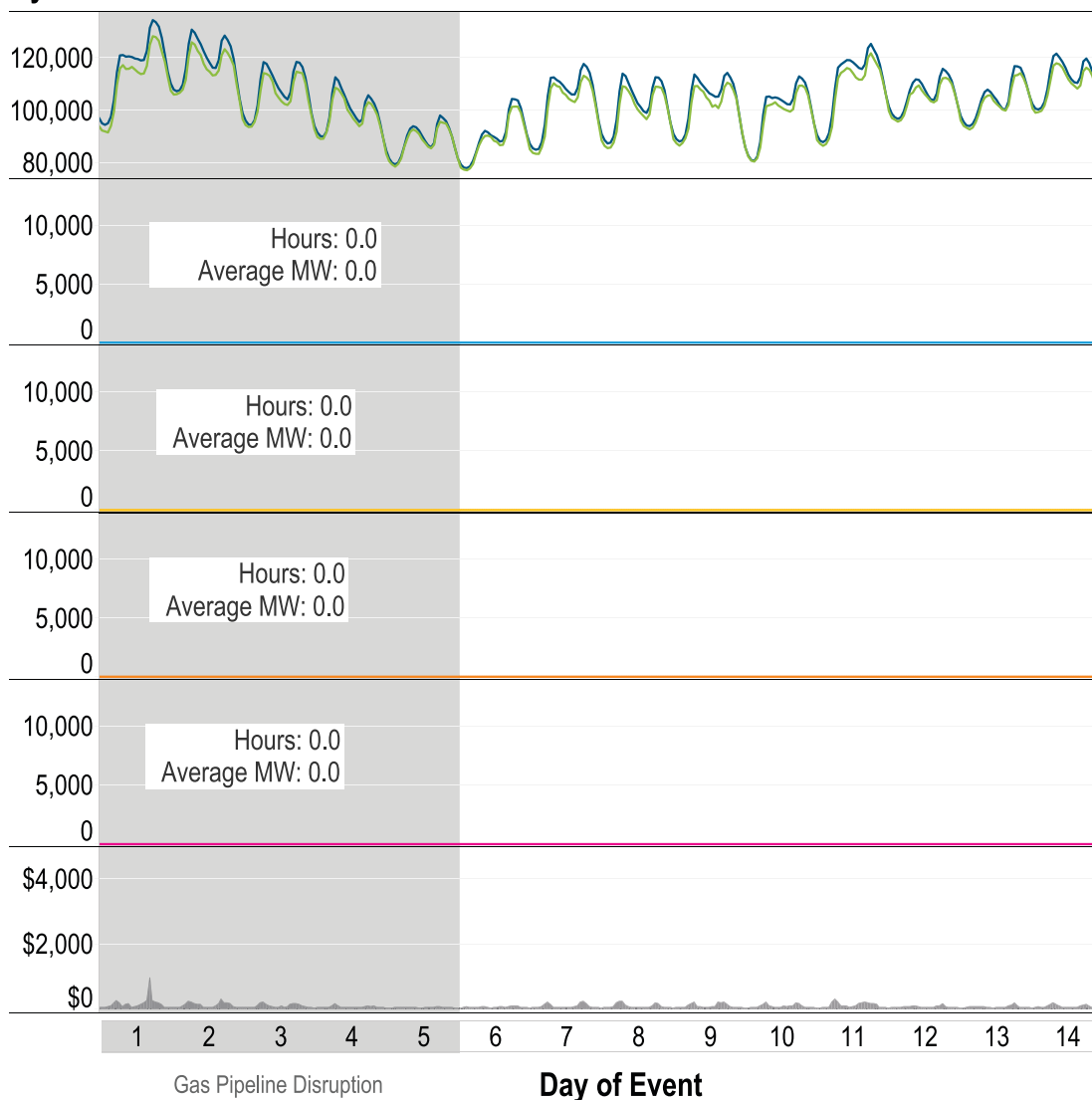


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



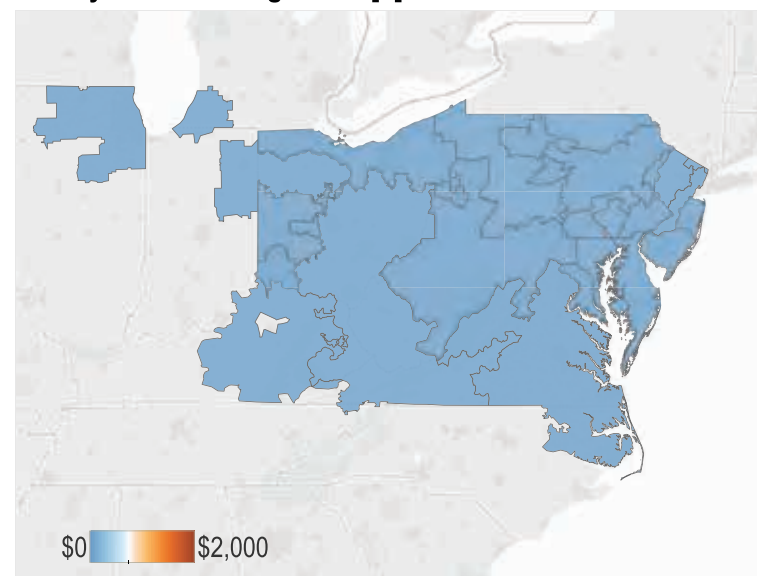
Legend



## Scenario: 239

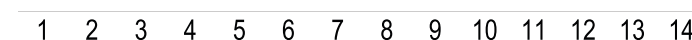
Load:	Typical
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.75M

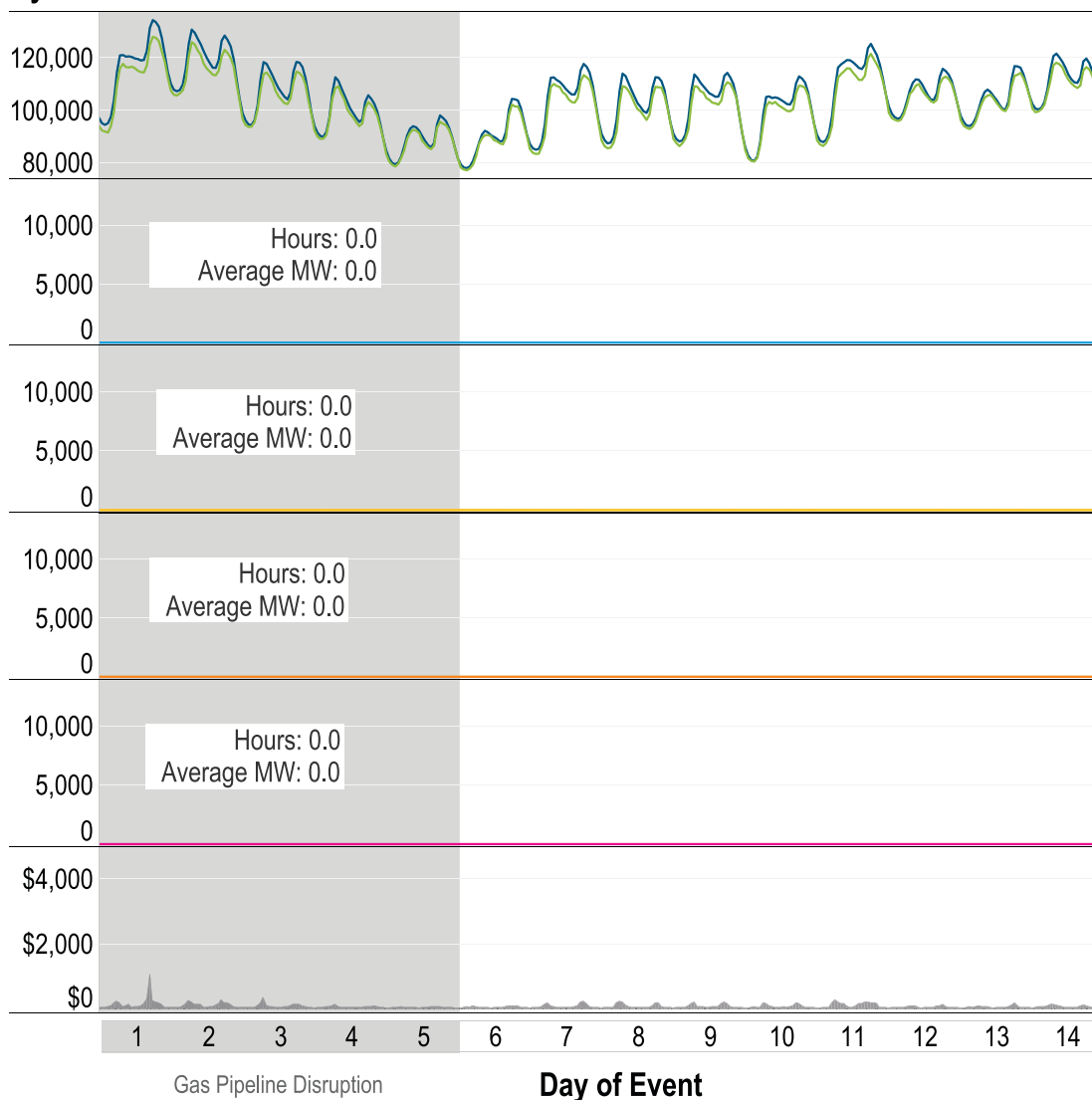


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



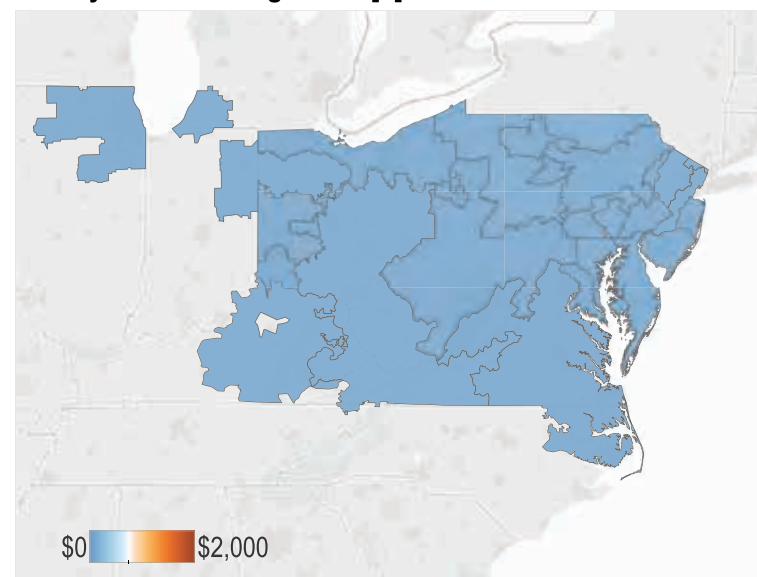
Legend



## Scenario: 240

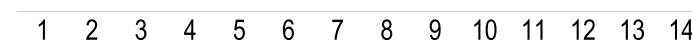
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.73M

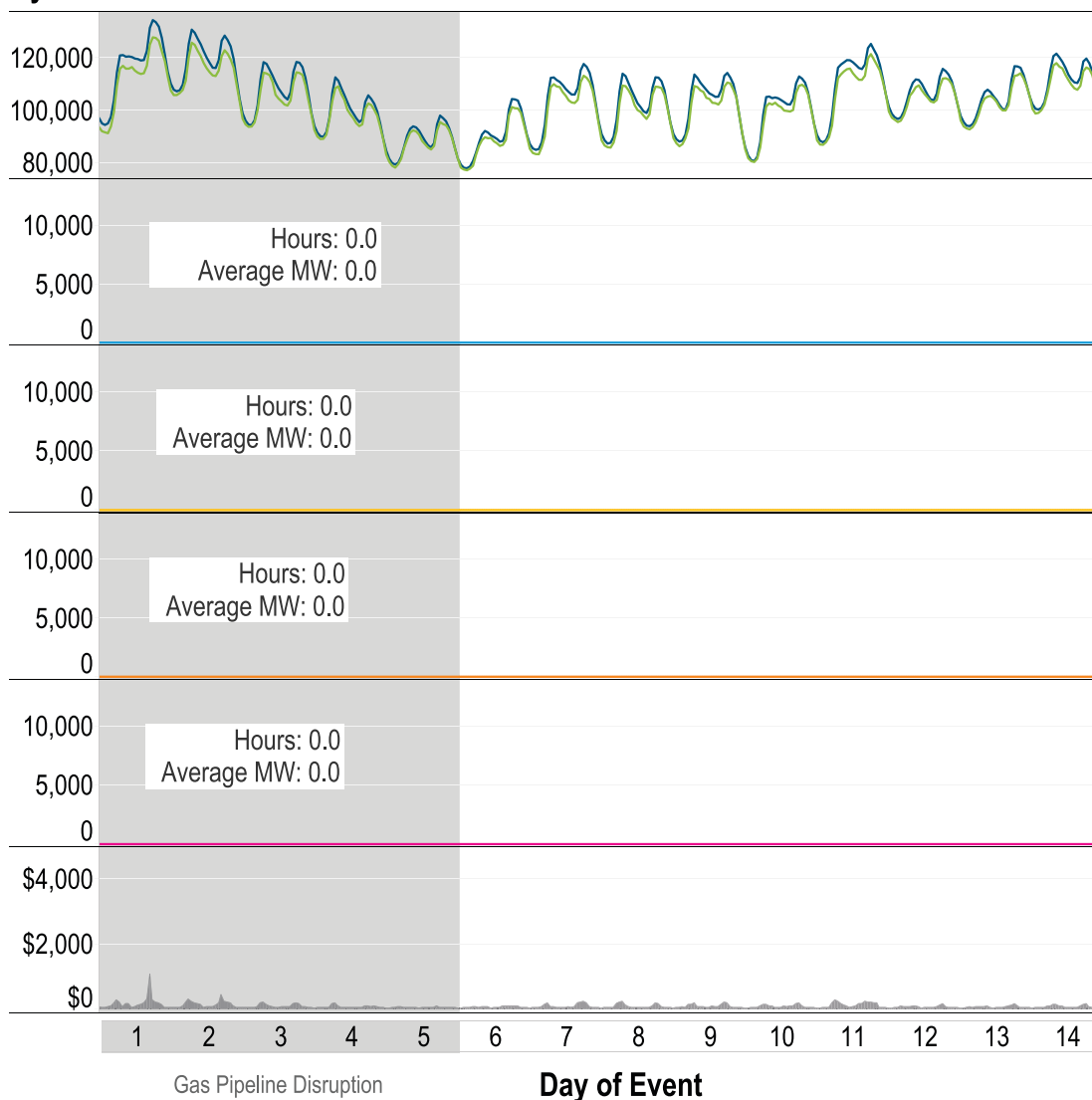


\*141 Total Sites

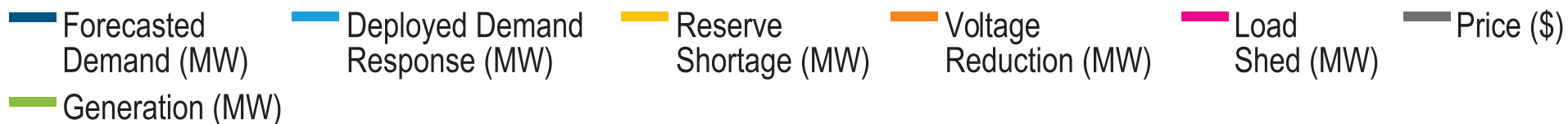
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



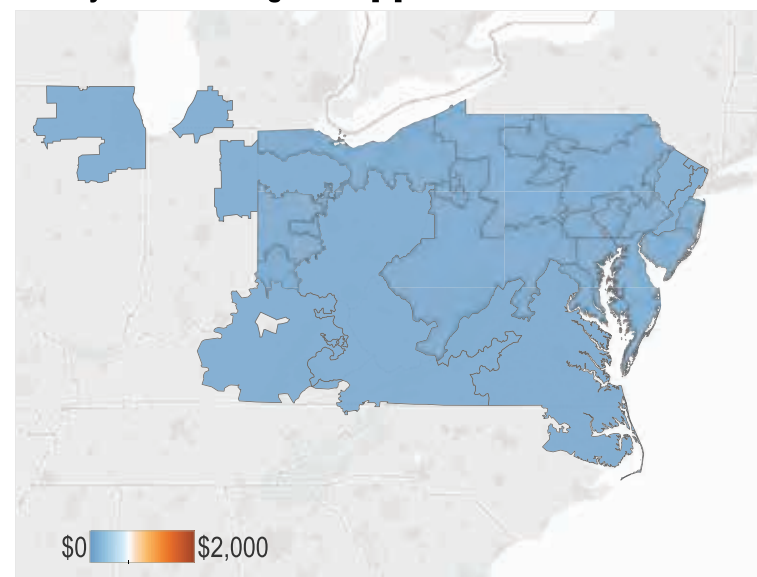
Legend



## Scenario: 241

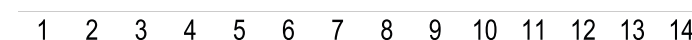
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.77M



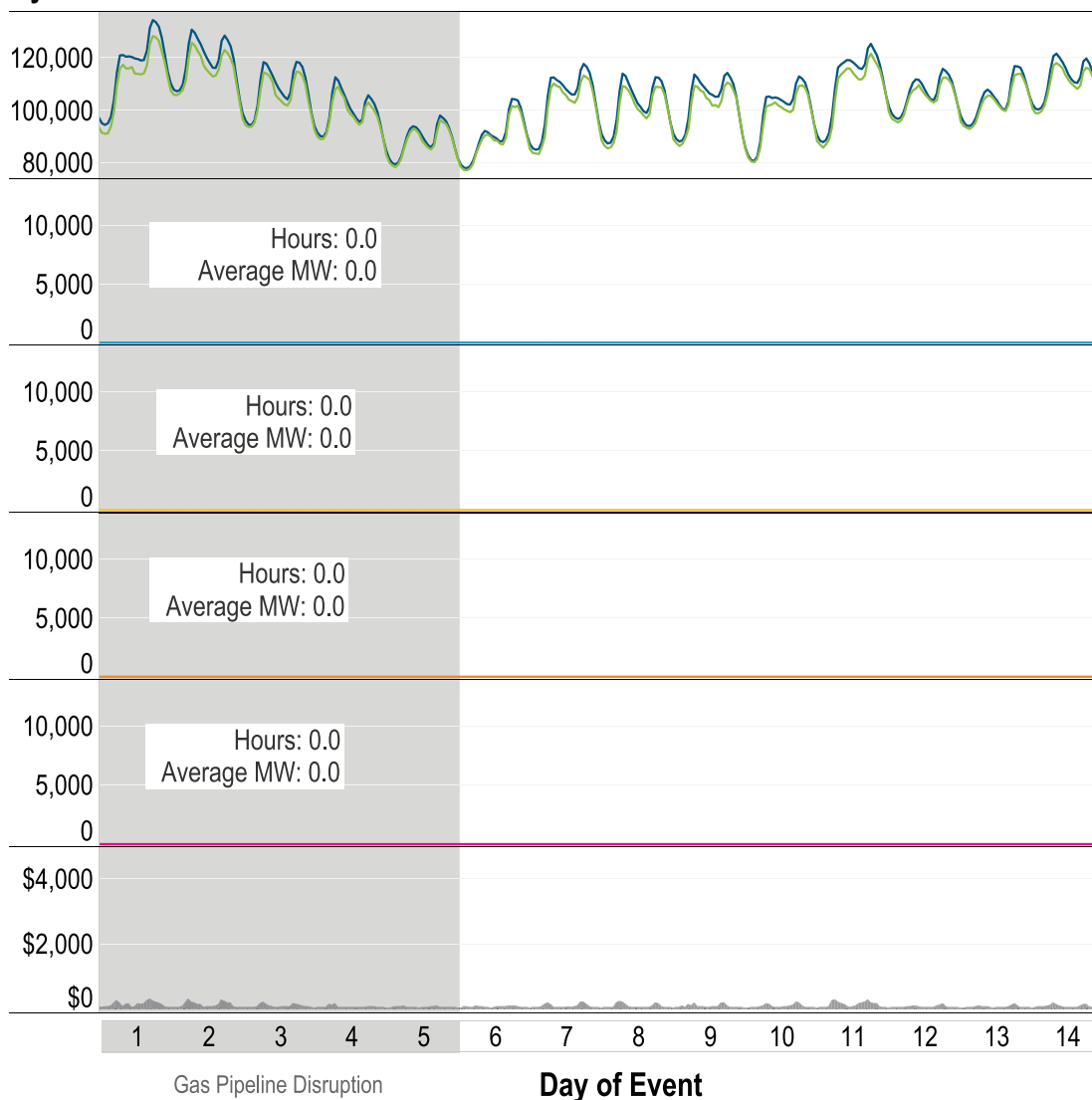
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



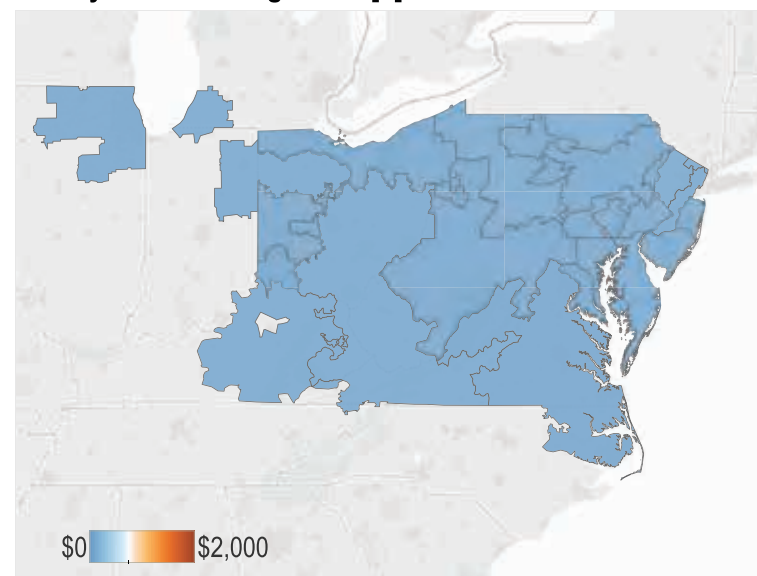
Legend



## Scenario: 242

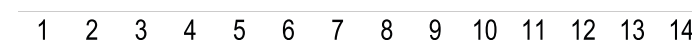
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.76M

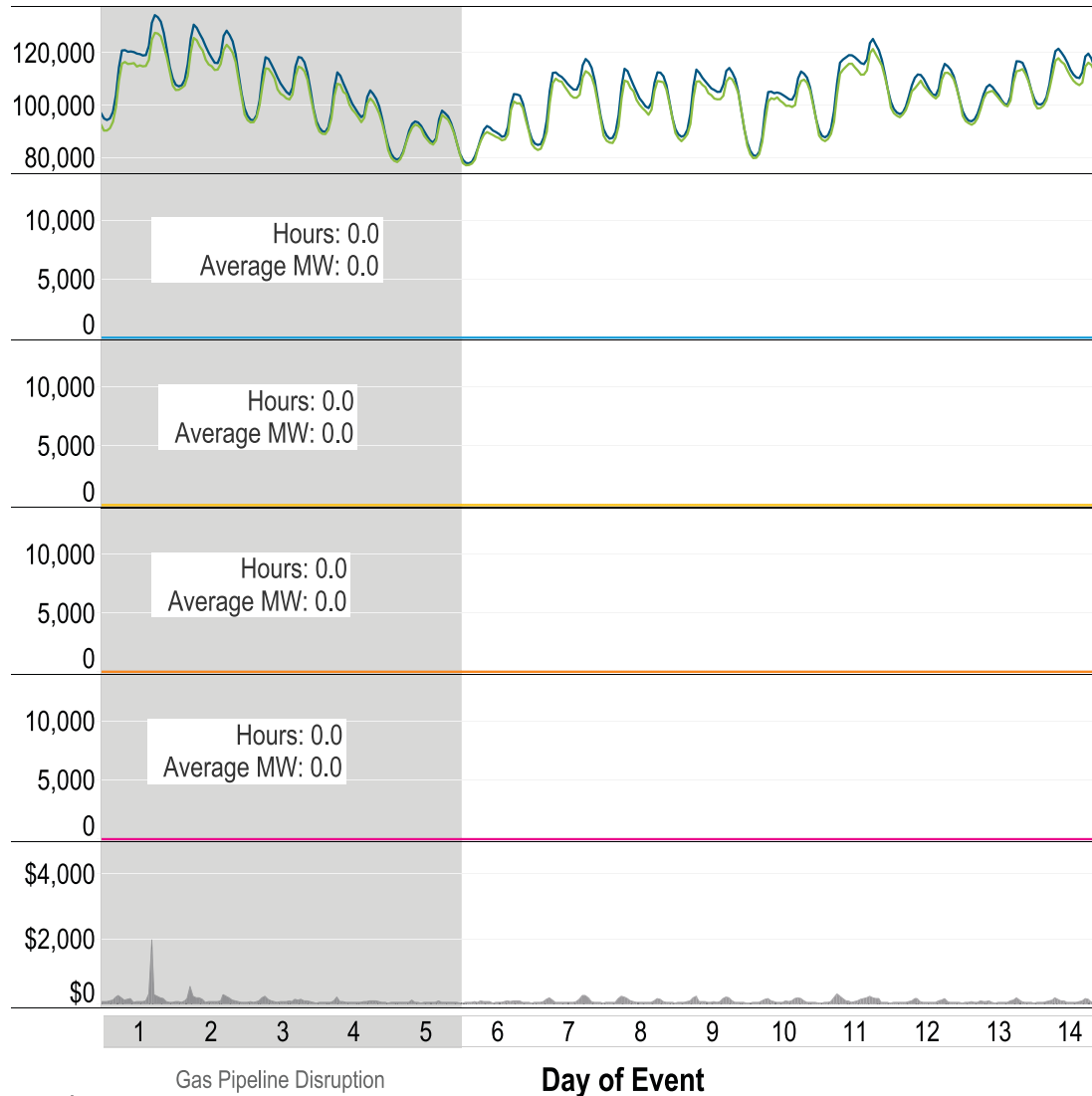


\*141 Total Sites

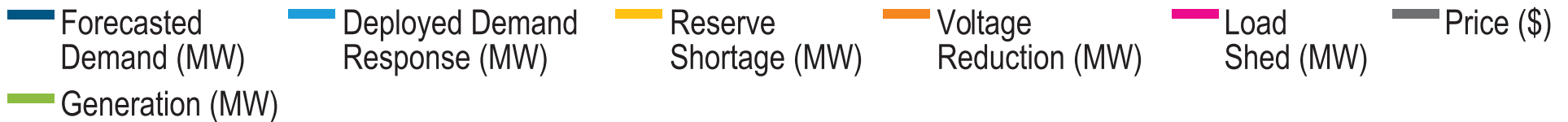
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



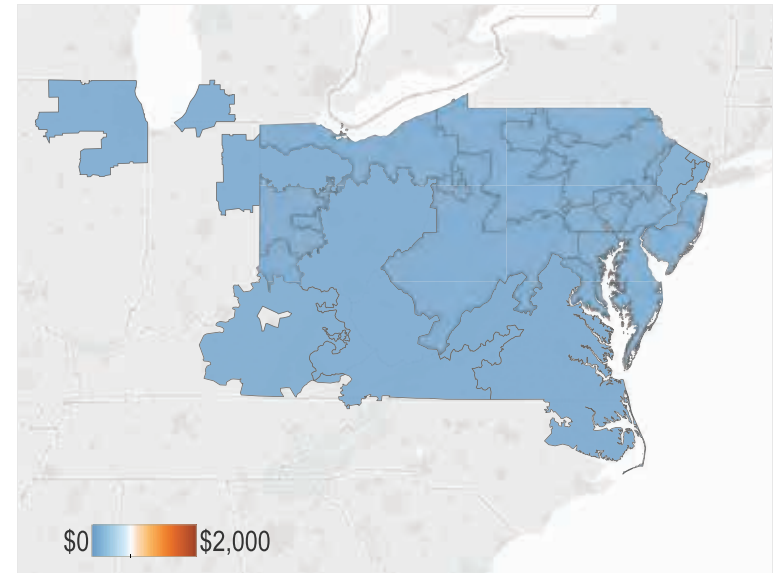
Legend



## Scenario: 243

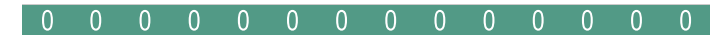
Load:	Typical
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.81M

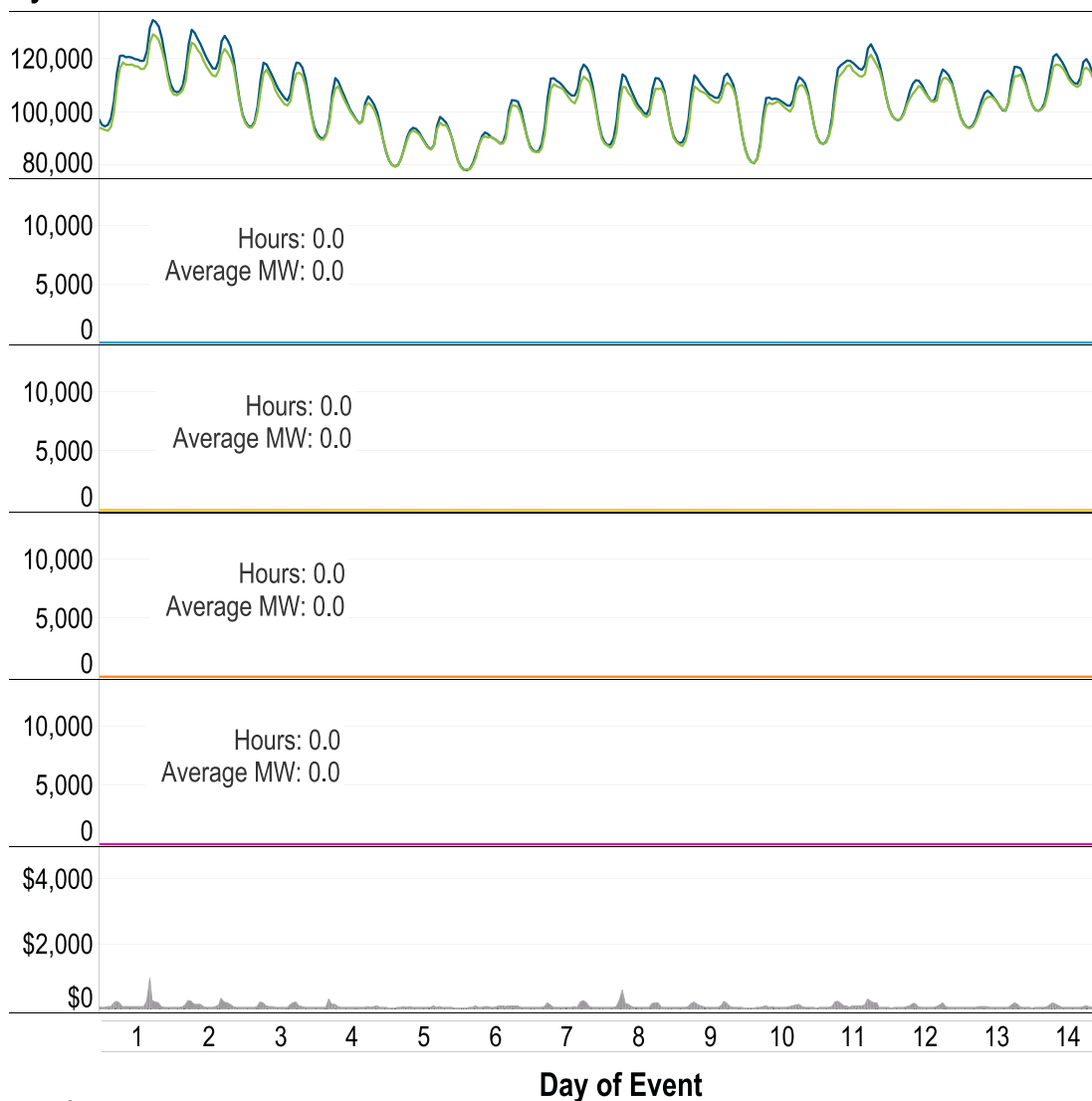


\*141 Total Sites

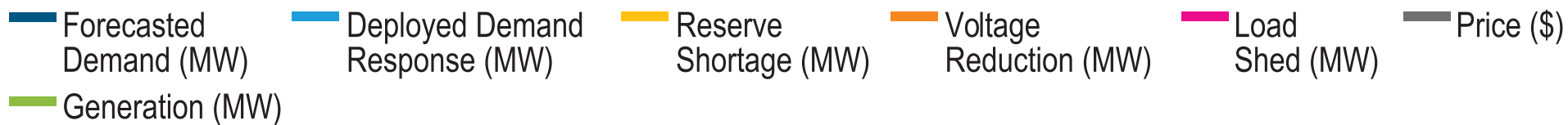
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



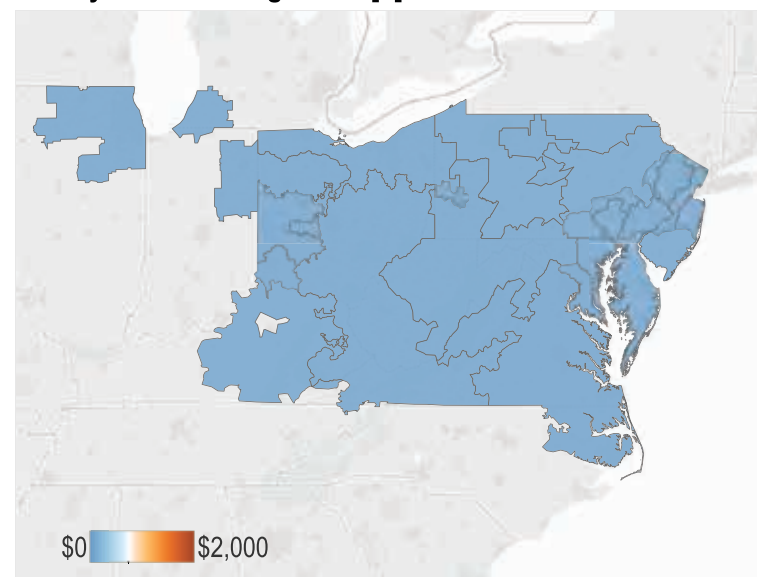
Legend



## Scenario: 244

Load:	Typical
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.71M

0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

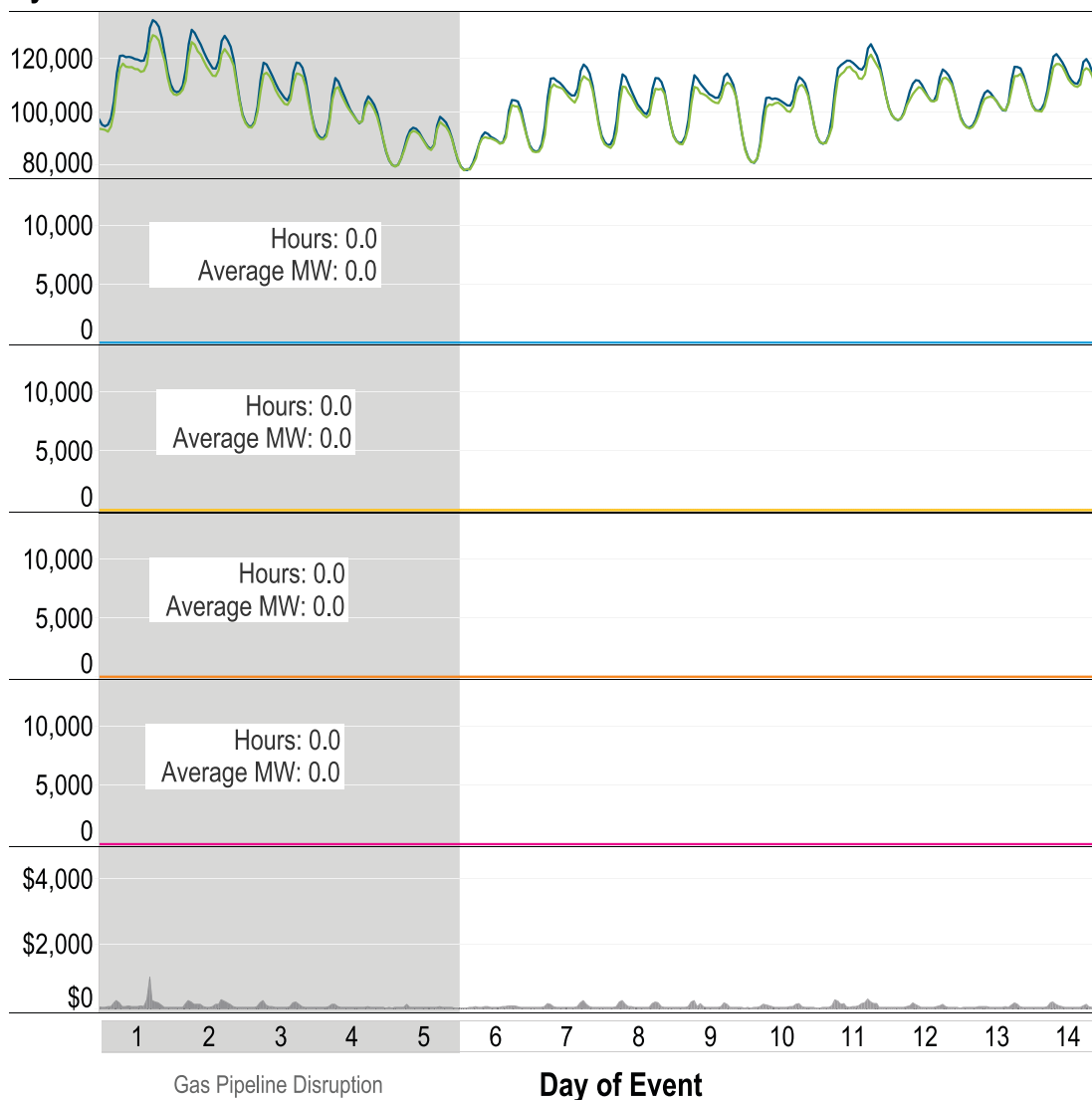
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



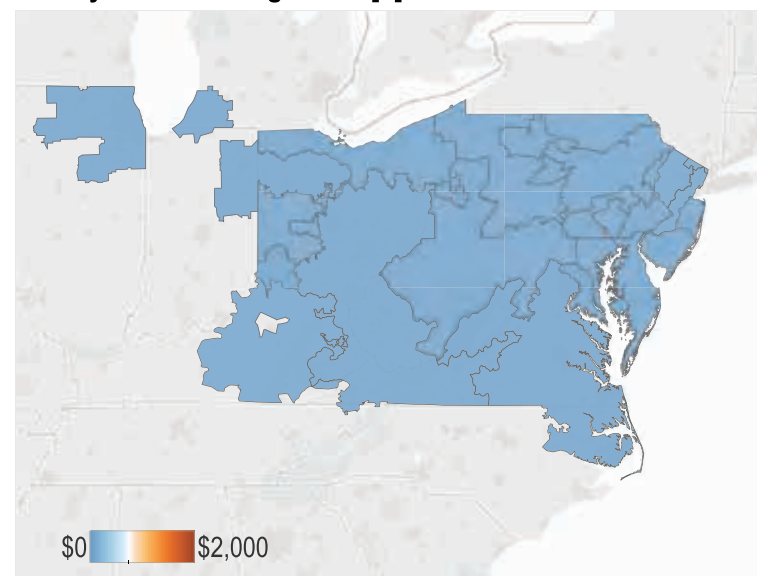
Legend



## Scenario: 245

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.72M

0	0	0	0	0	0	0	0	0	2	2	3	3	3	3
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

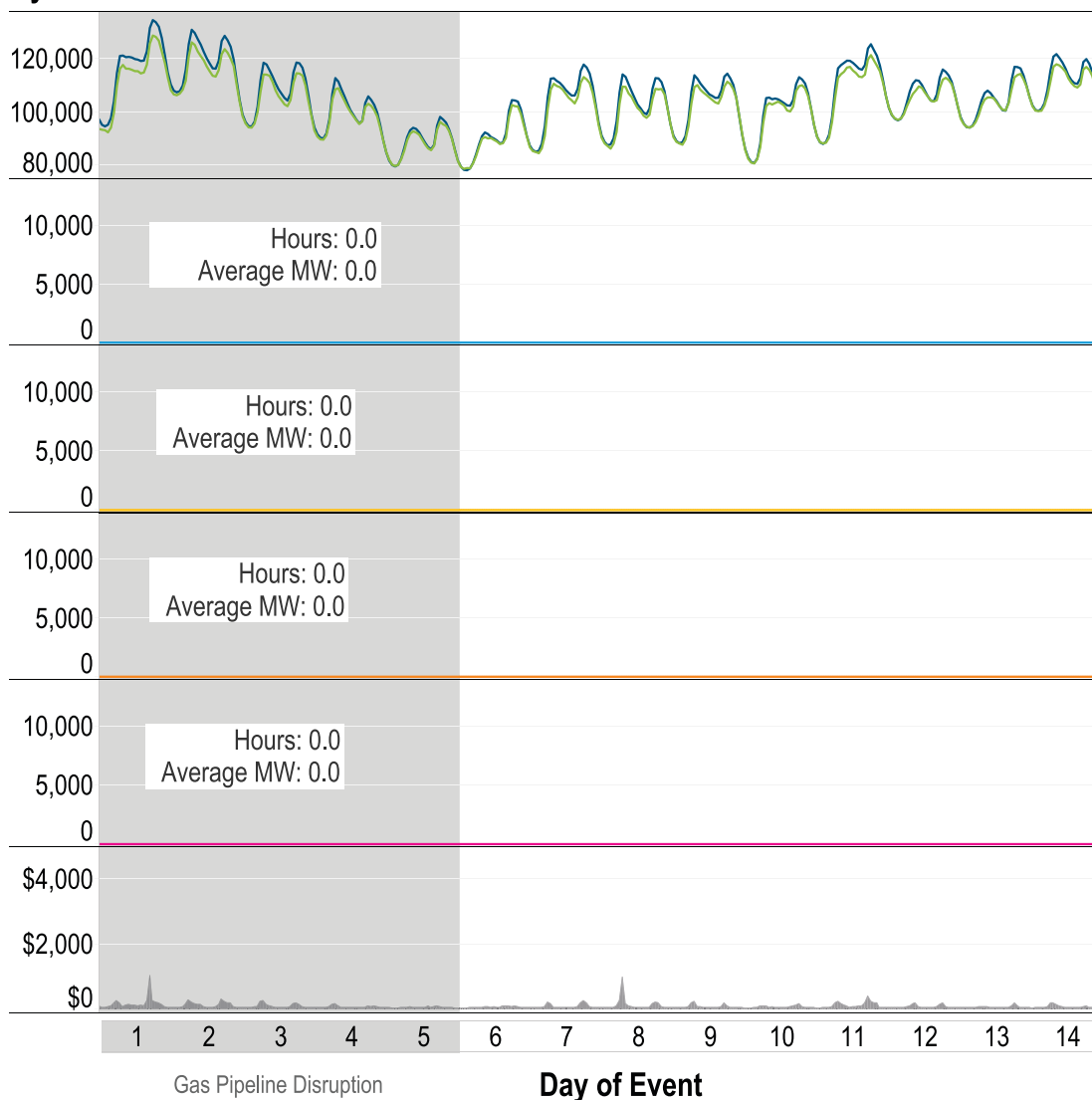
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



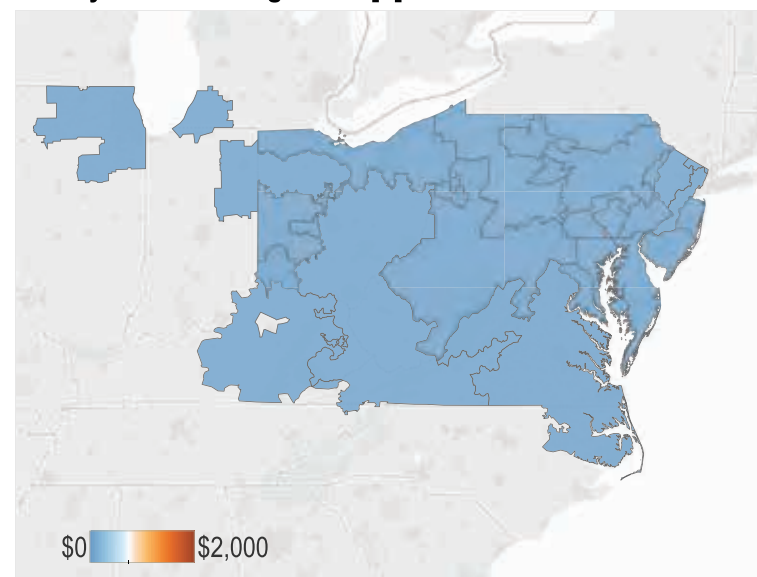
Legend



## Scenario: 246

Load:	Typical
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.75M

0	0	0	0	0	0	0	0	1	2	2	3	3	3	3
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

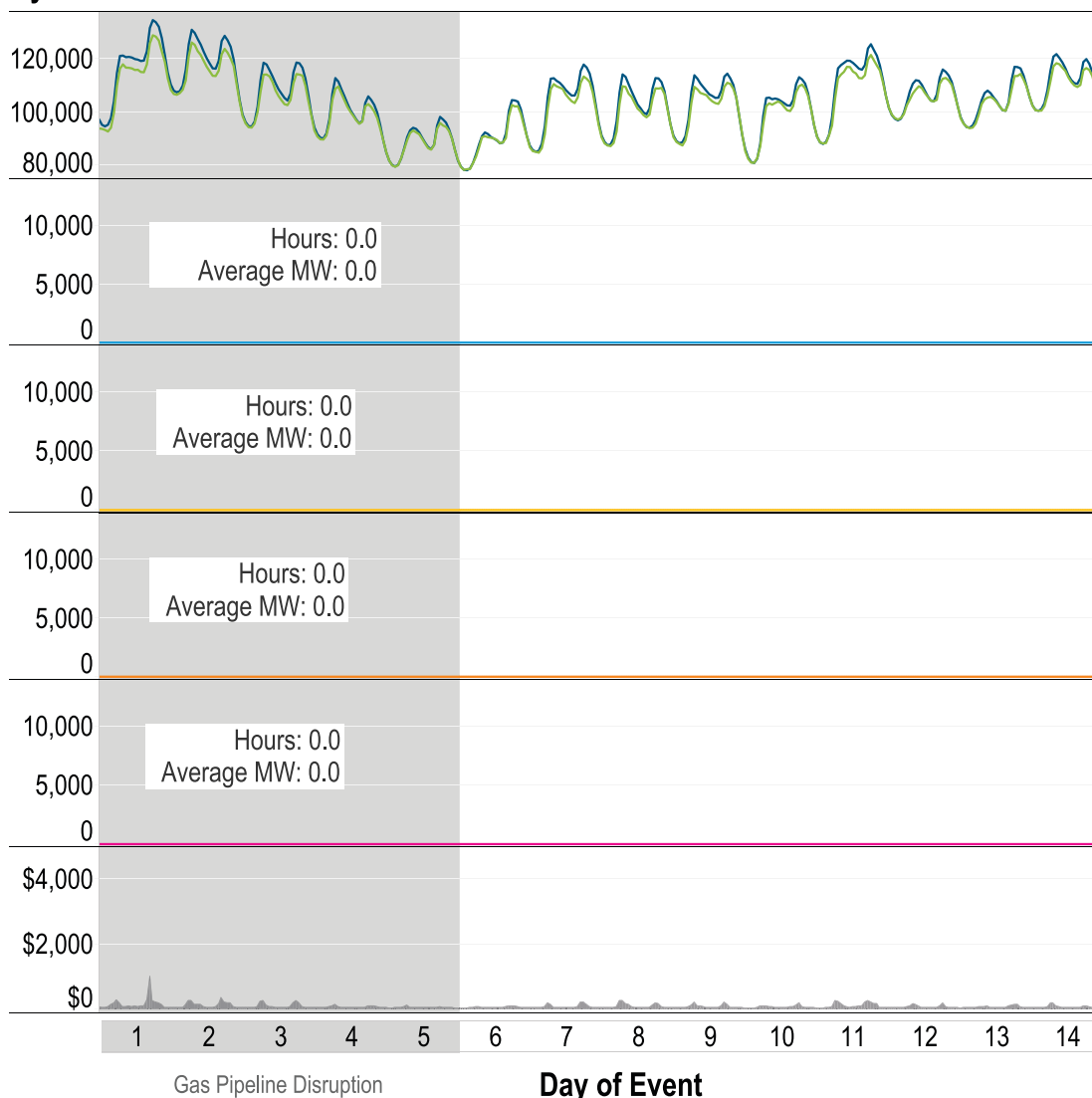
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



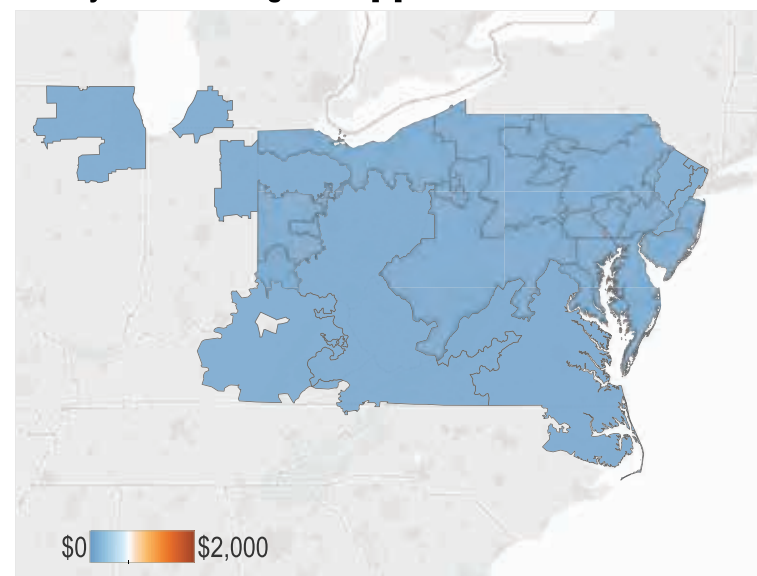
Legend



## Scenario: 247

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.73M

0	0	0	0	0	0	0	0	1	1	1	2	2	2	2
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

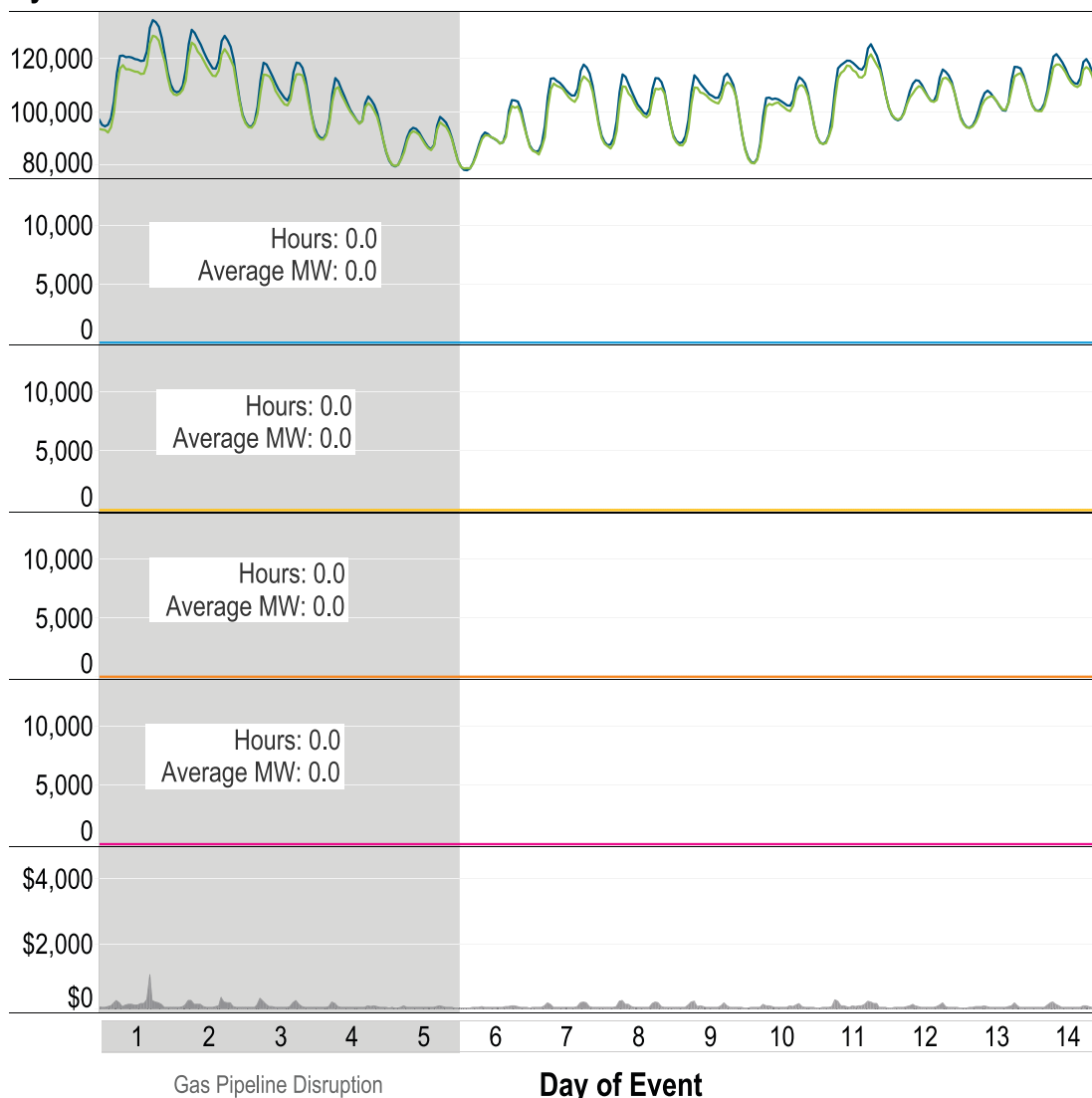
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

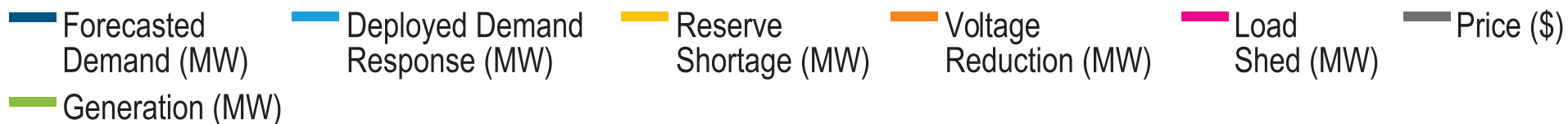
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



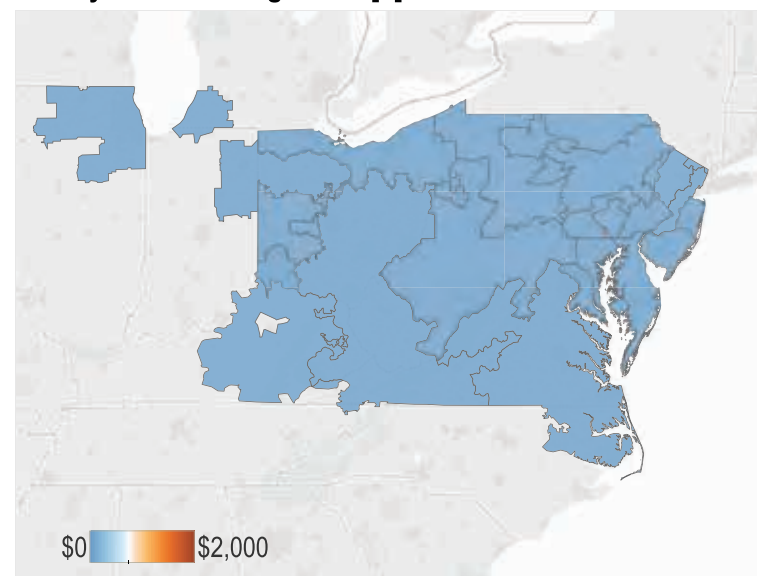
Legend



## Scenario: 248

Load:	Typical
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.76M

0	0	0	0	0	0	1	2	2	2	4	4	4	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

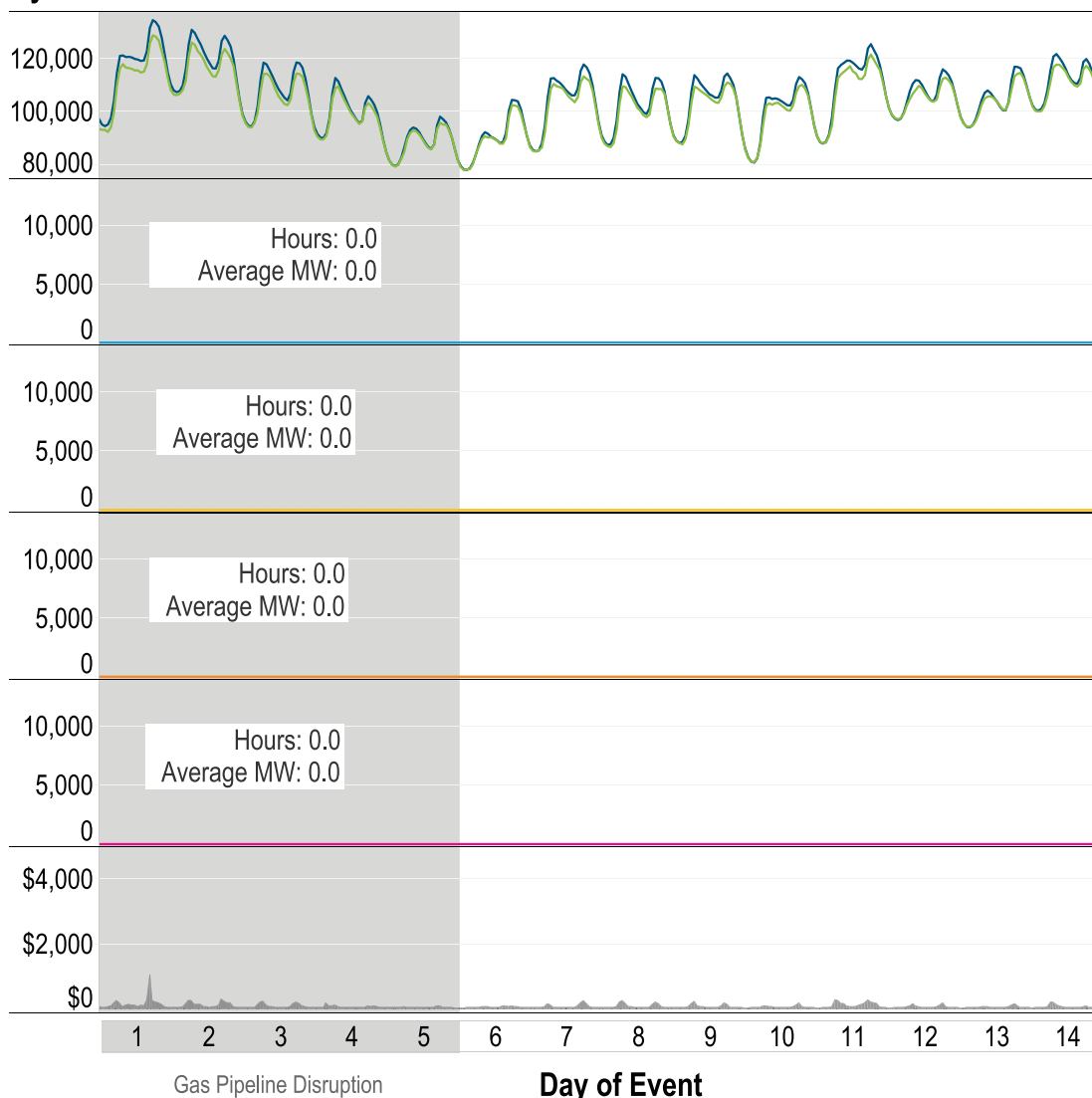
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



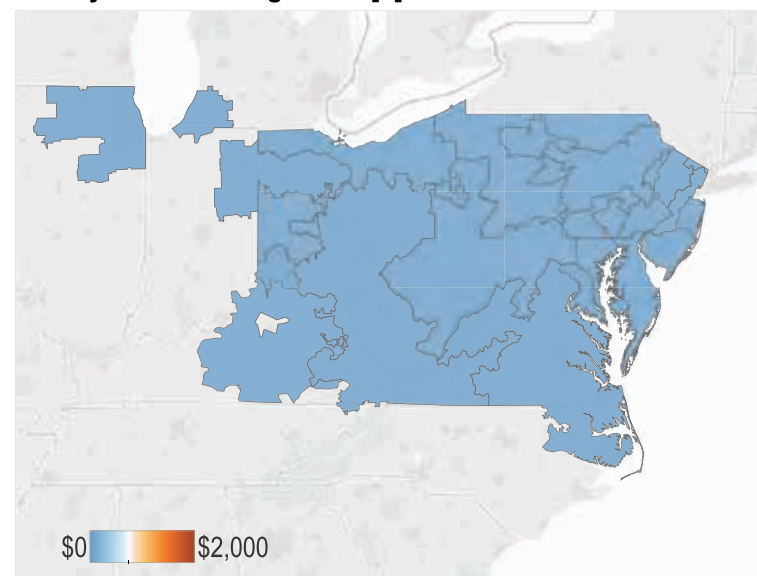
Legend



## Scenario: 249

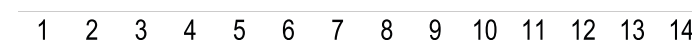
Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.74M

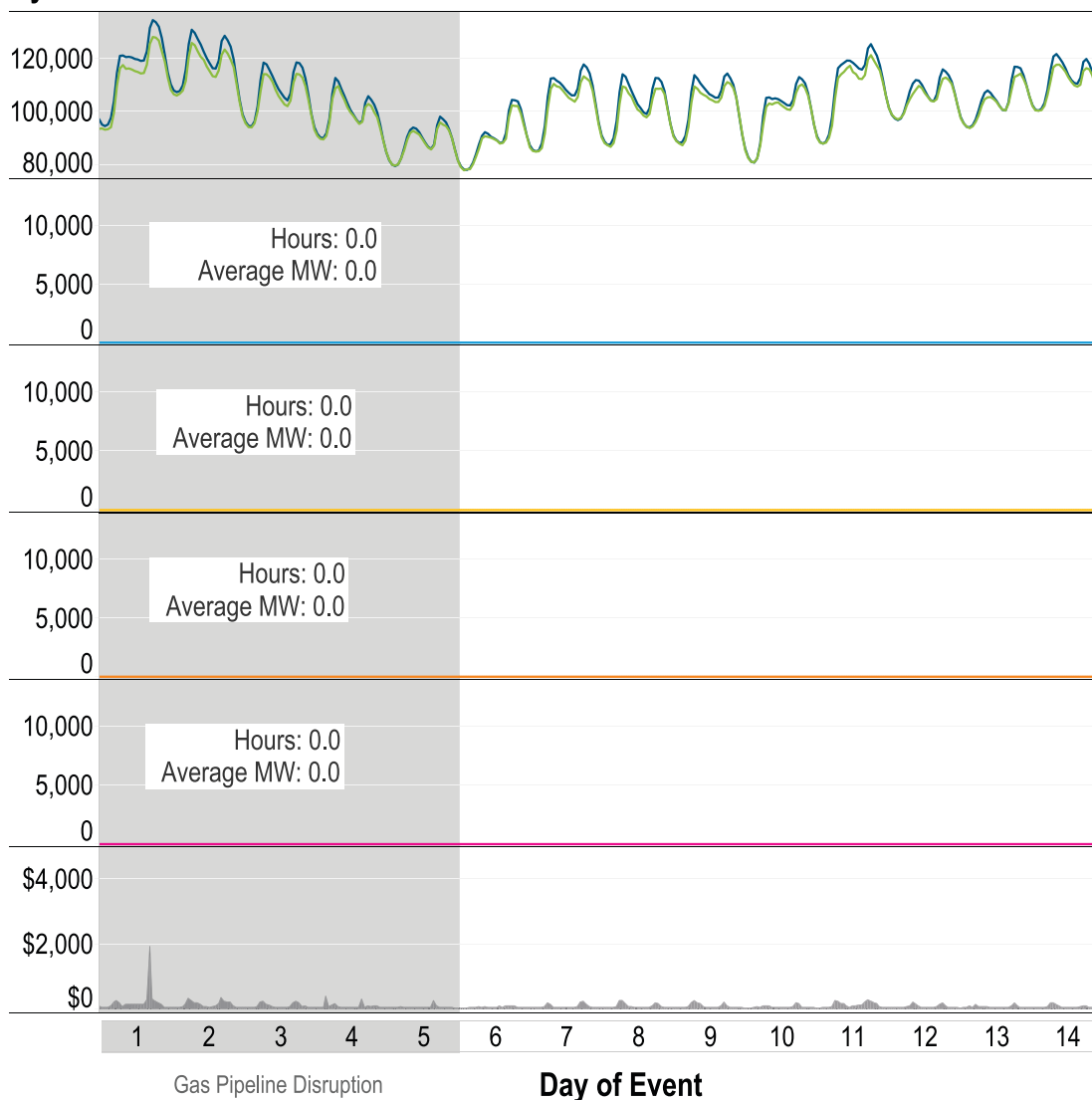


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



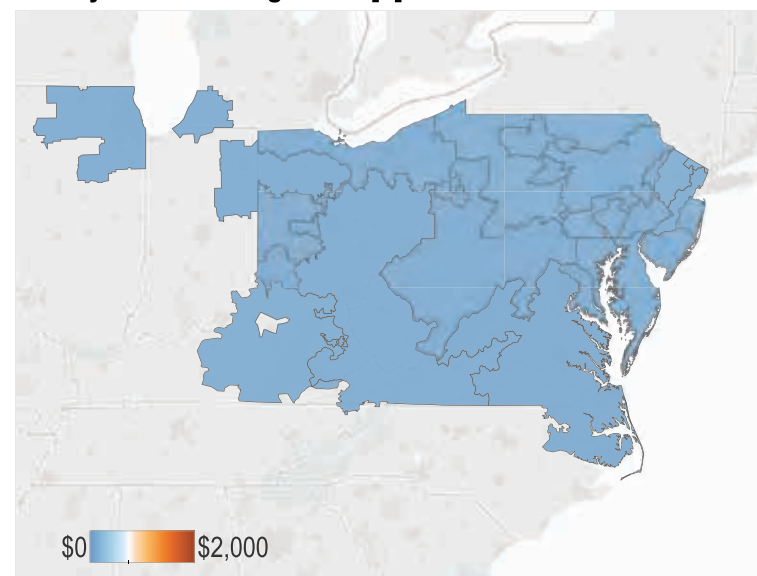
Legend



## Scenario: 250

Load:	Typical
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.77M

0	0	0	1	1	1	2	2	3	3	5	5	5	5
---	---	---	---	---	---	---	---	---	---	---	---	---	---

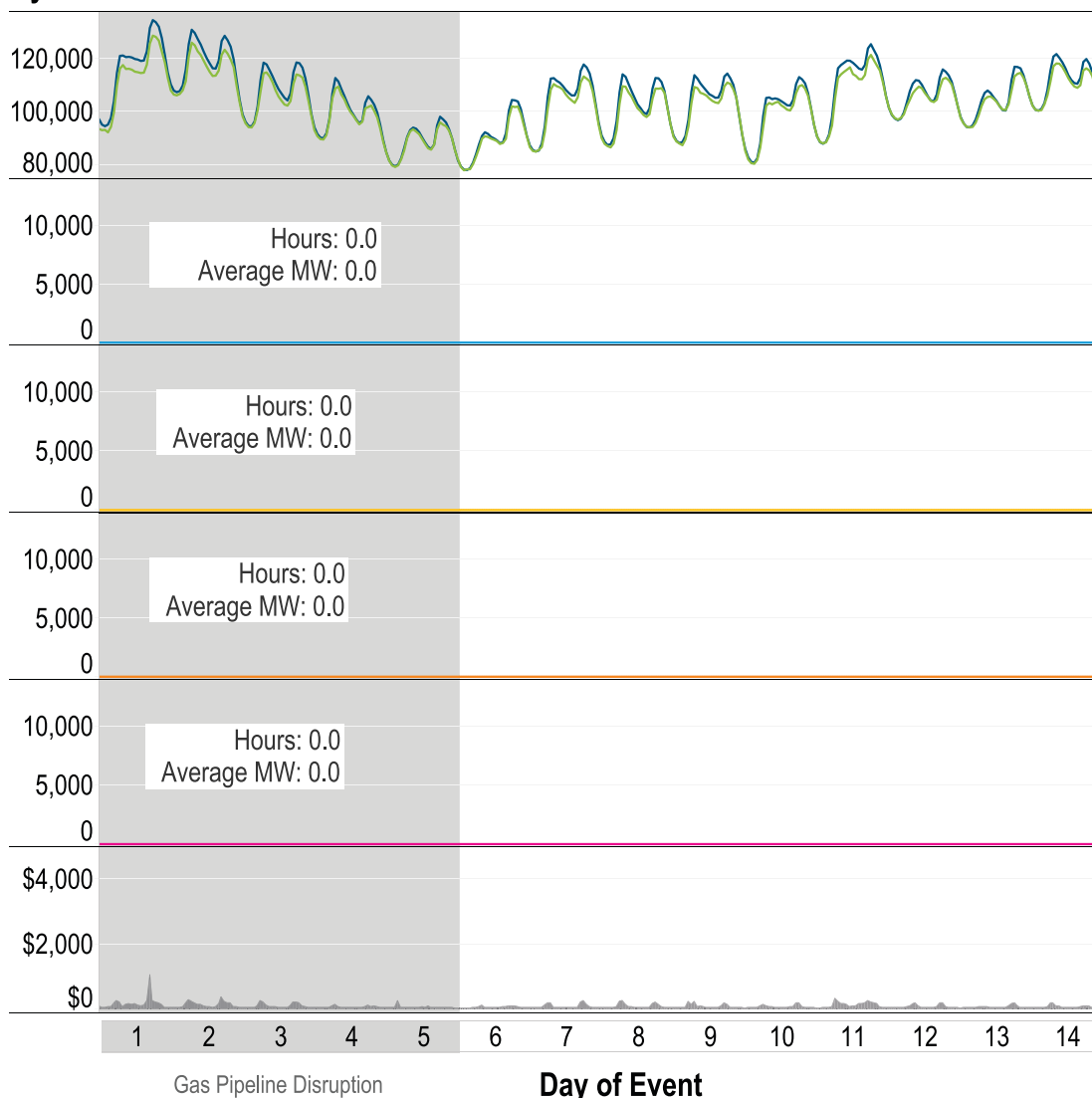
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



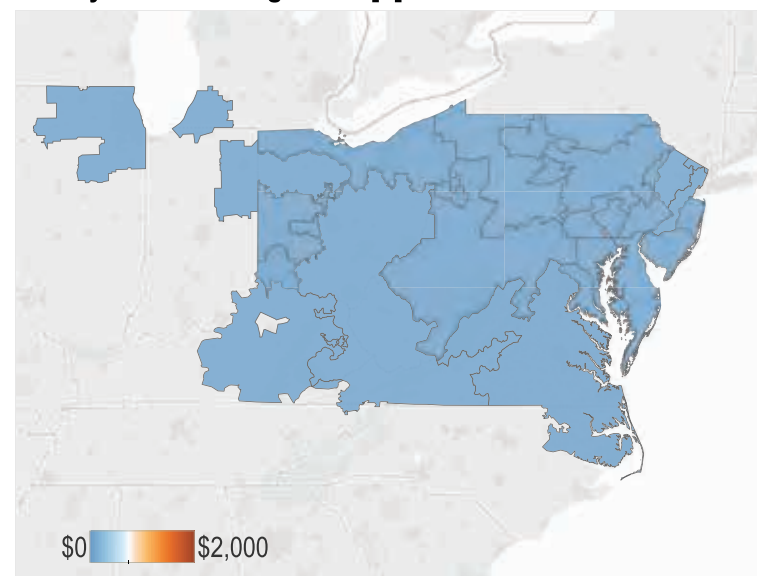
Legend



## Scenario: 251

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.78M

0	0	0	0	0	0	0	1	1	2	2	3	3	3	3
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

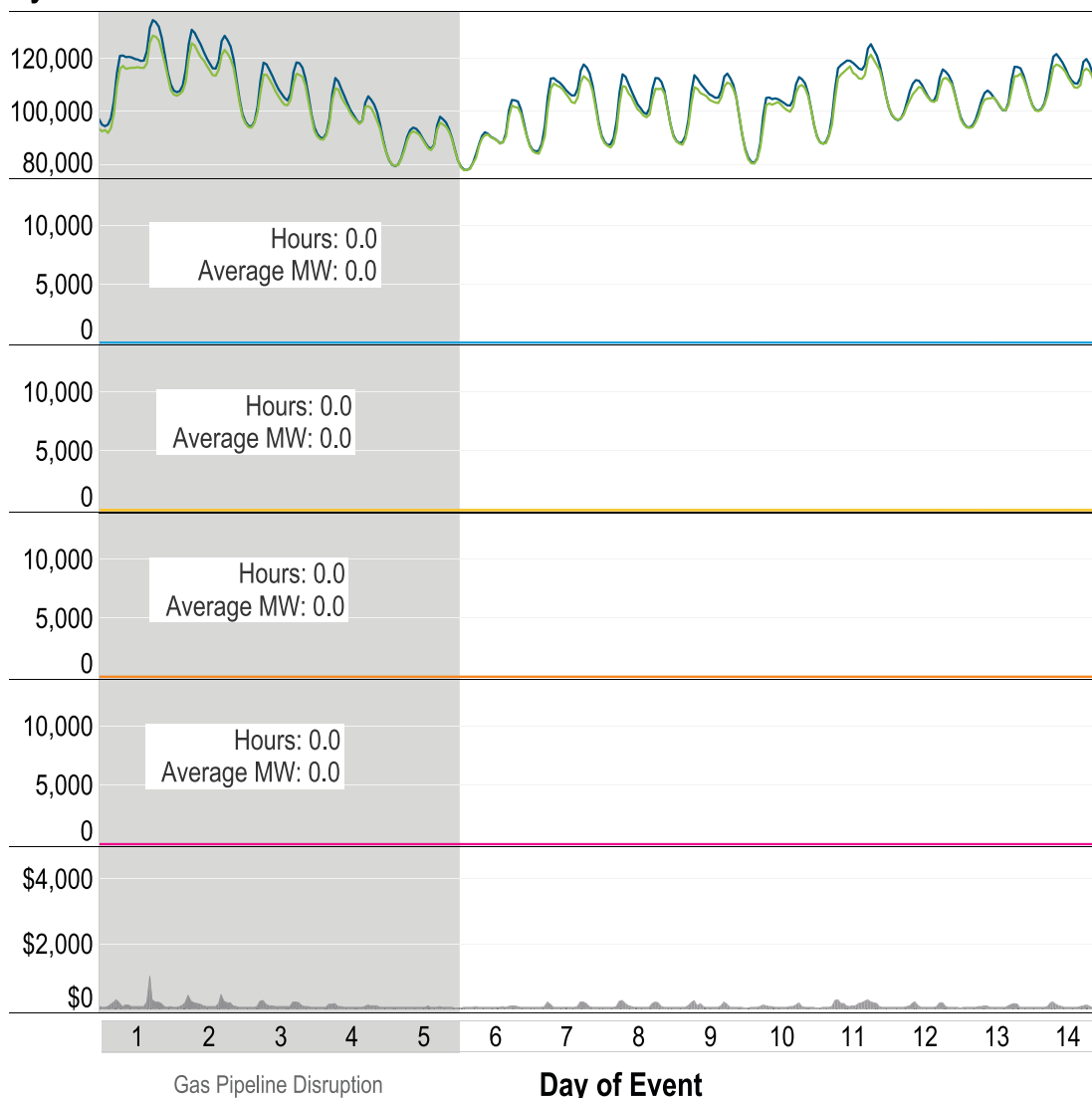
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



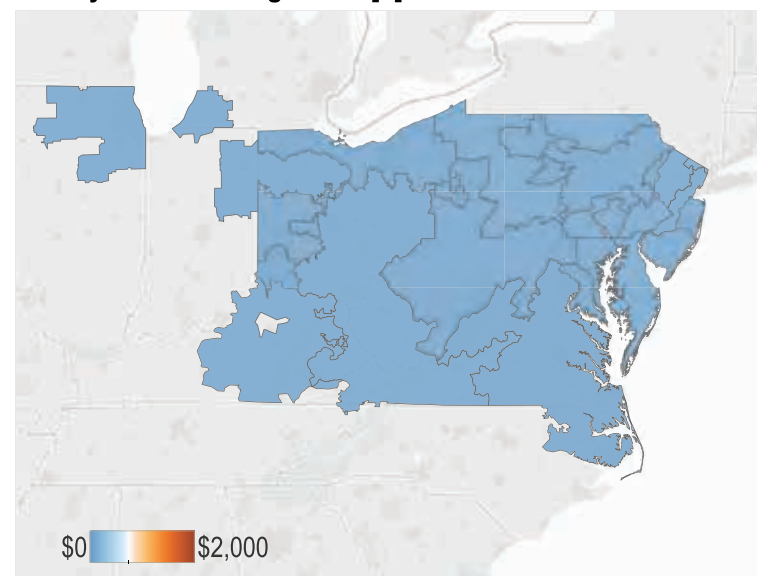
Legend



## Scenario: 252

Load:	Typical
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.87M

0	0	1	2	1	1	1	1	1	1	4	4	4	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---

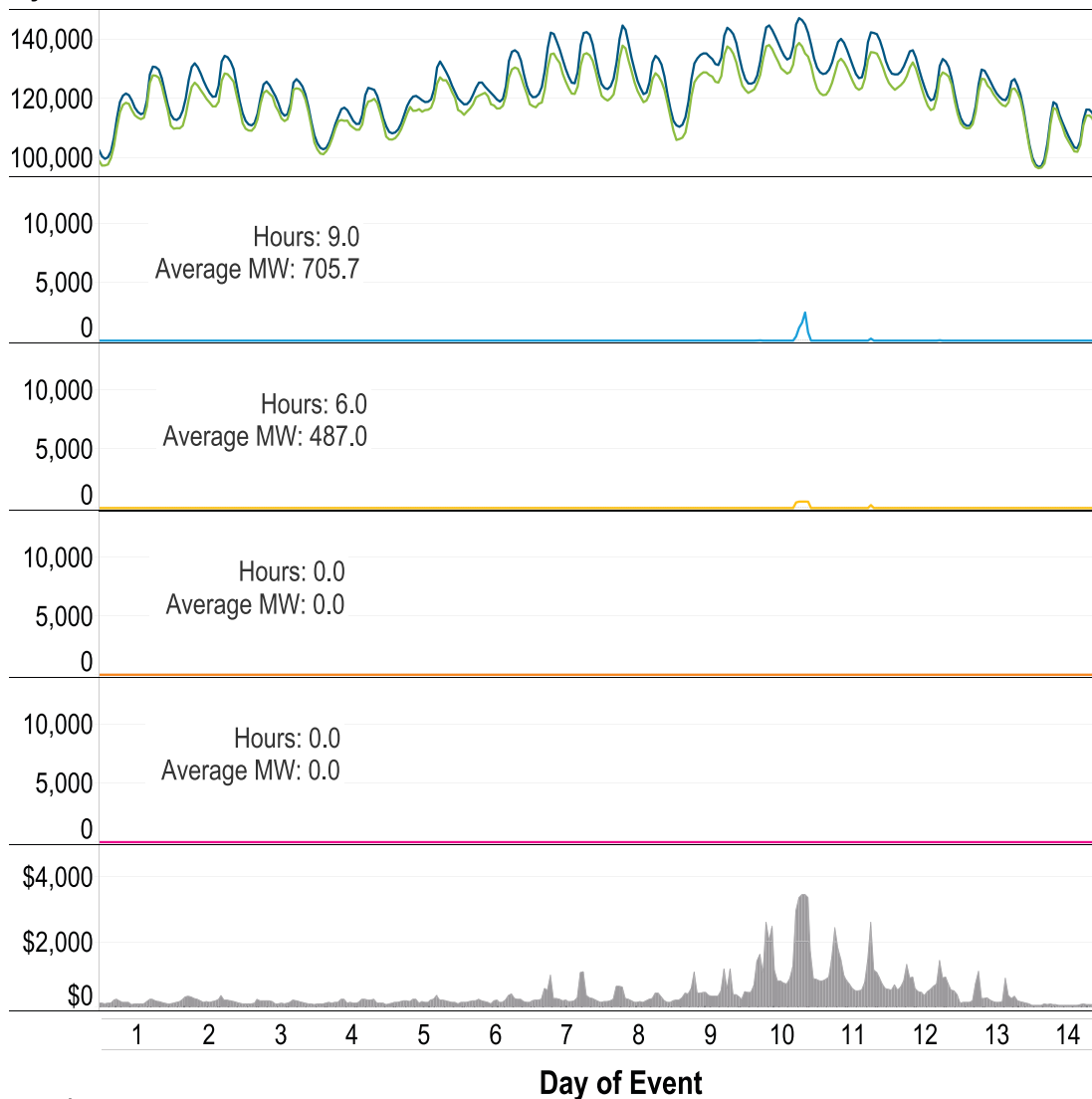
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

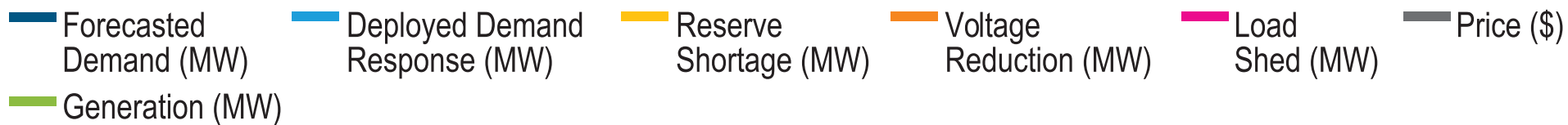
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



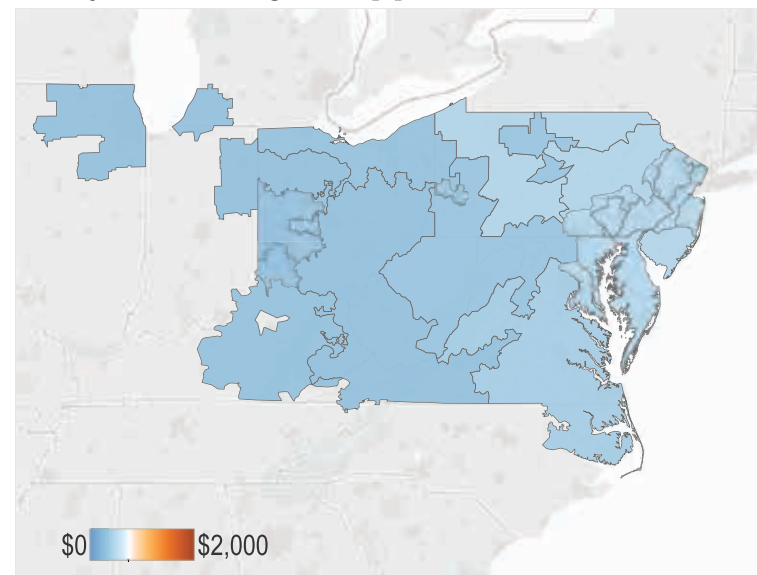
Legend



## Scenario: 253

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.10M

0	0	0	0	1	1	2	2	6	10	22	23	7	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

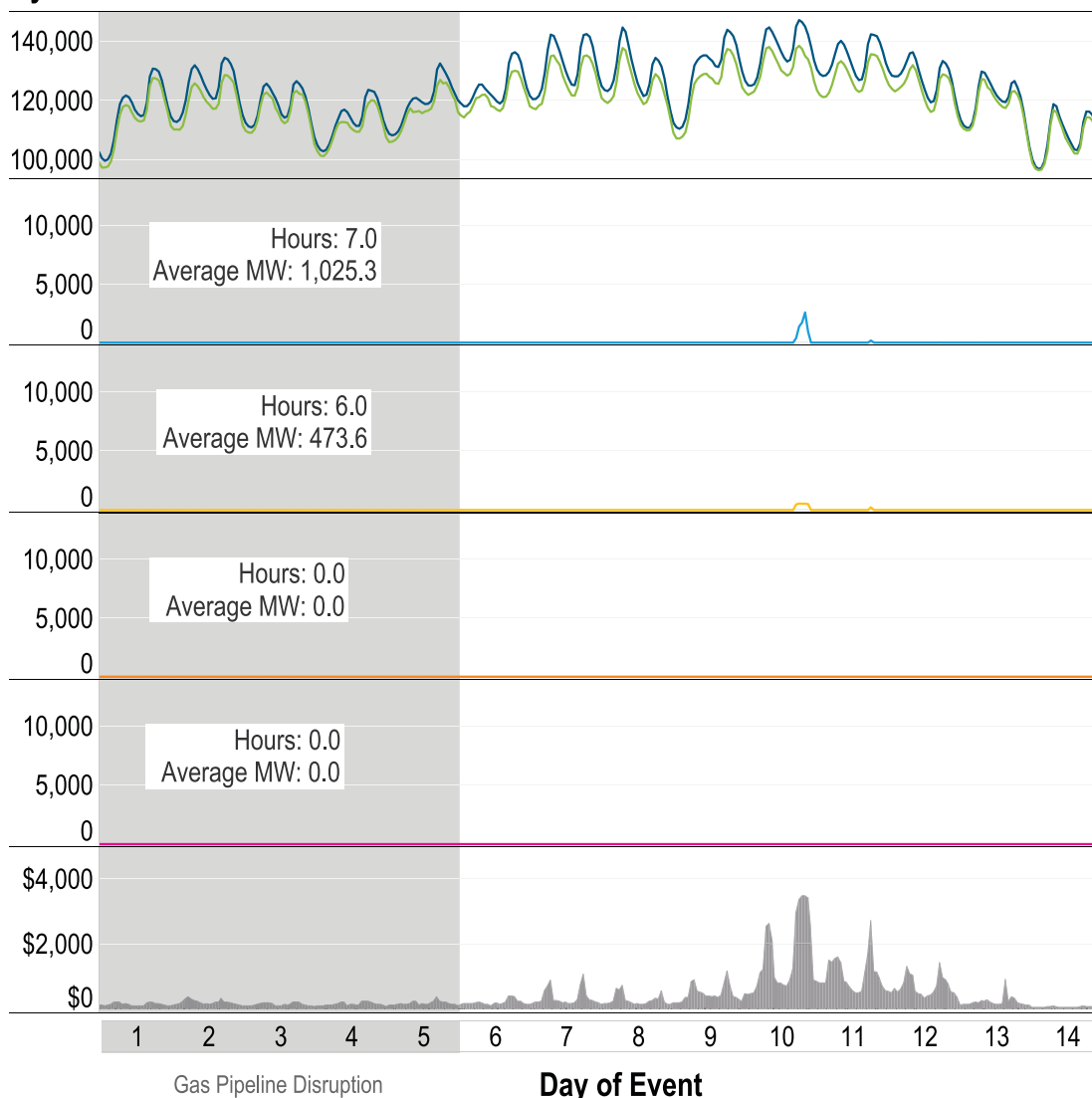
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



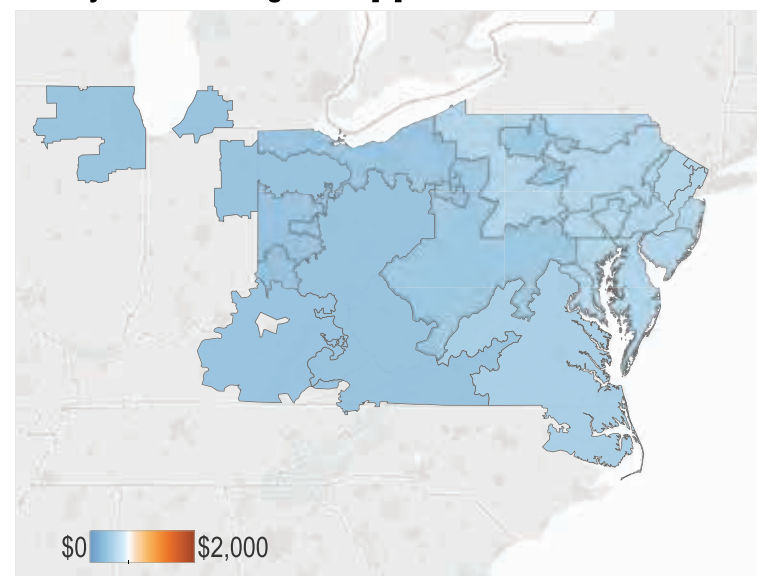
Legend



## Scenario: 254

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.16M

0	0	0	0	1	1	2	2	5	11	22	23	5	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

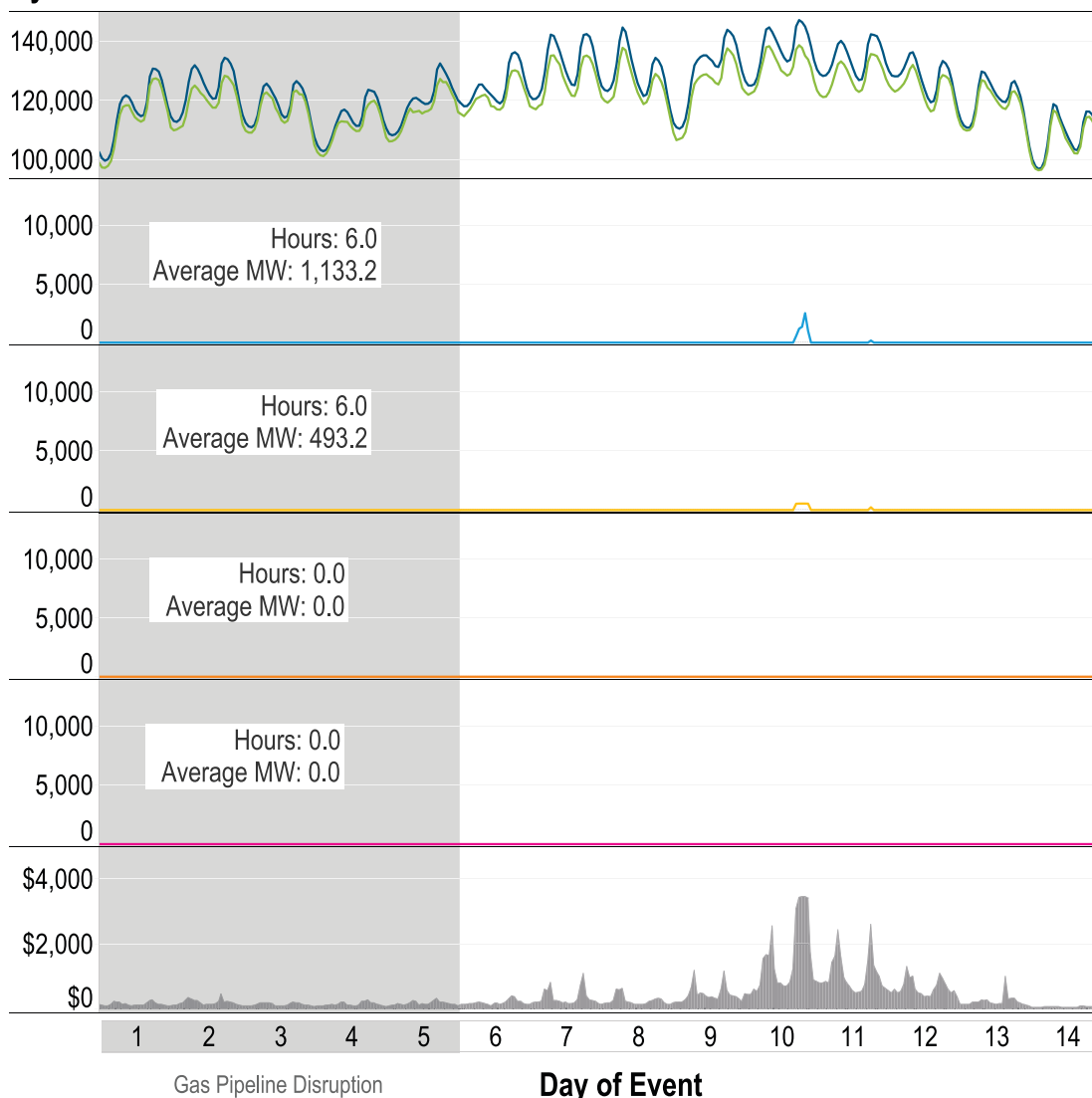
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

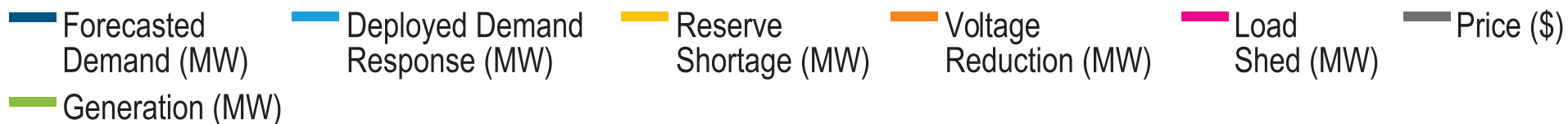
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



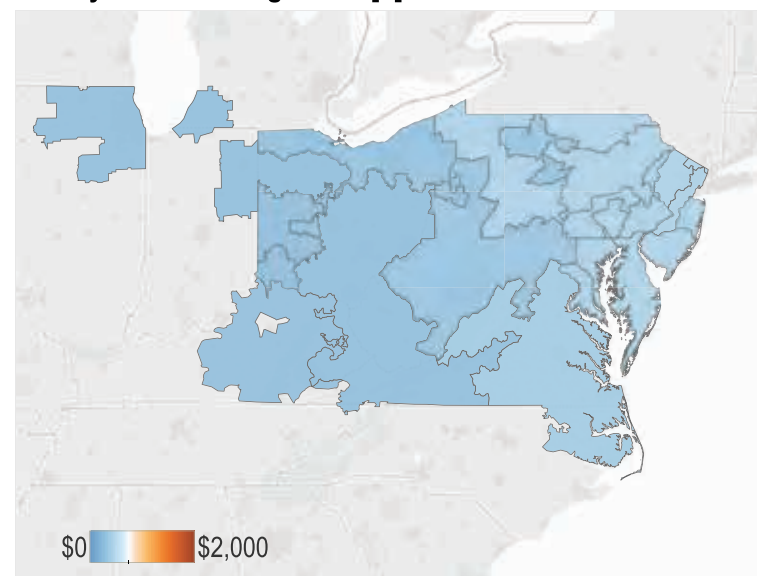
Legend



## Scenario: 255

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.12M

0	0	0	1	1	1	2	2	5	9	22	20	6	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

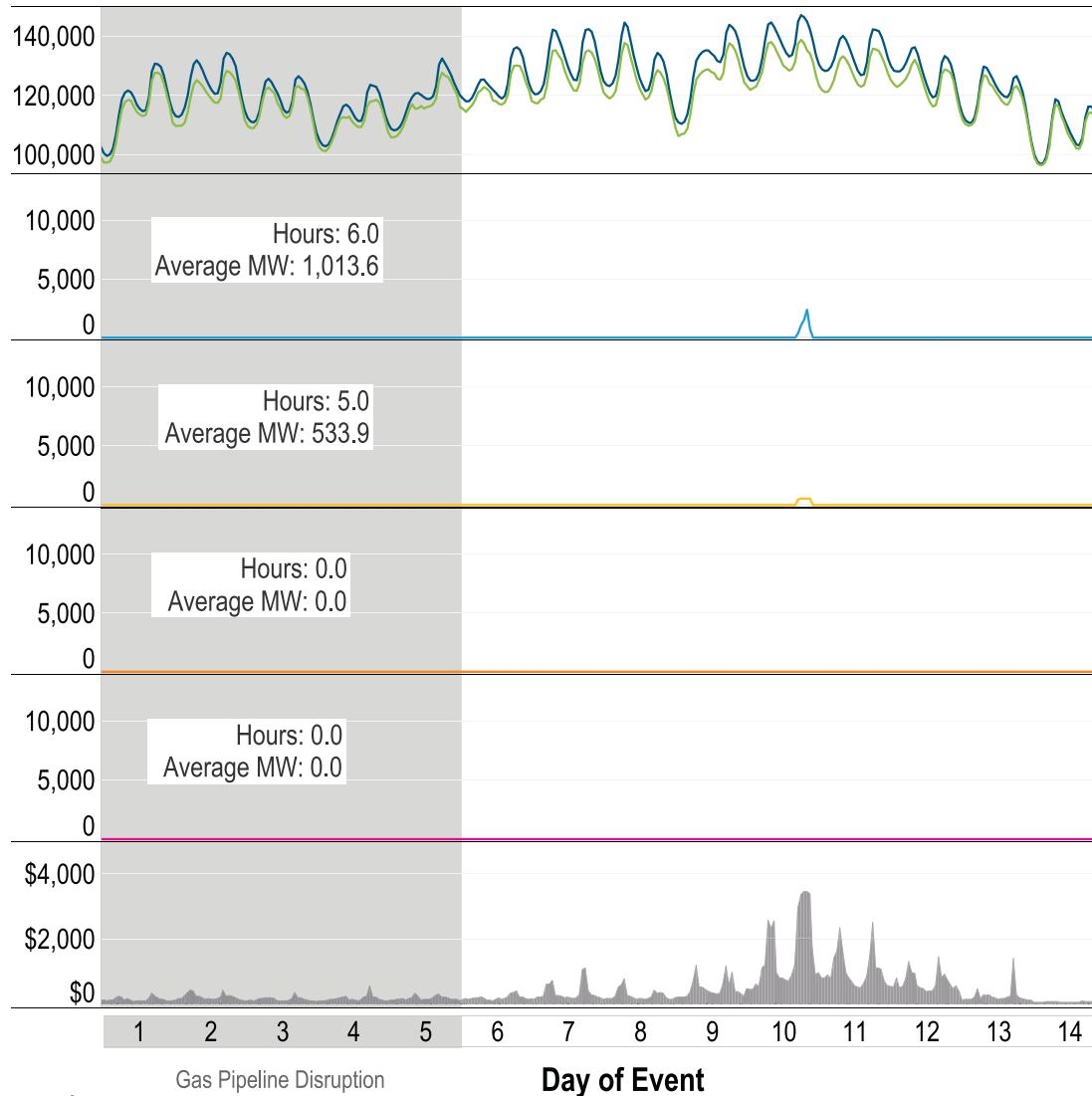
\*141 Total Sites

Day of Event

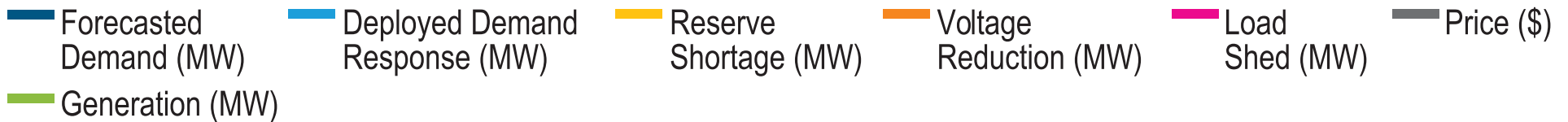
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



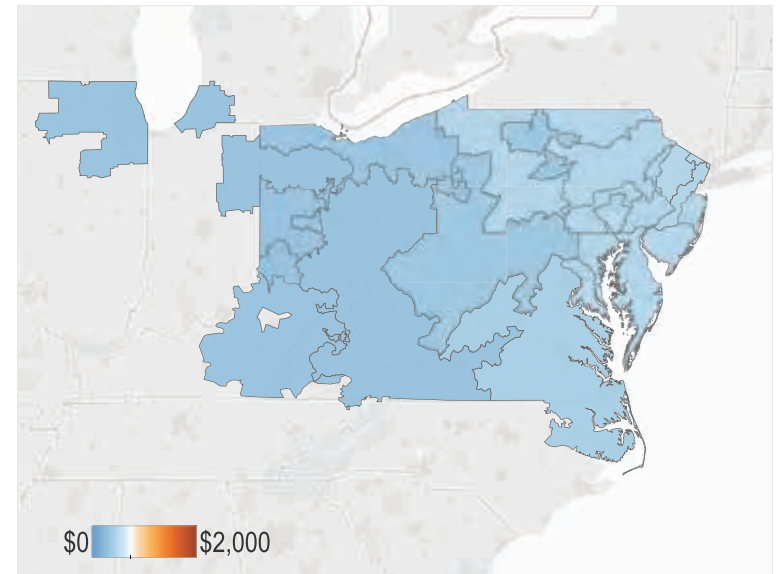
Legend



## Scenario: 256

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.12M

0	0	0	1	1	2	2	2	5	9	21	20	7	0
---	---	---	---	---	---	---	---	---	---	----	----	---	---

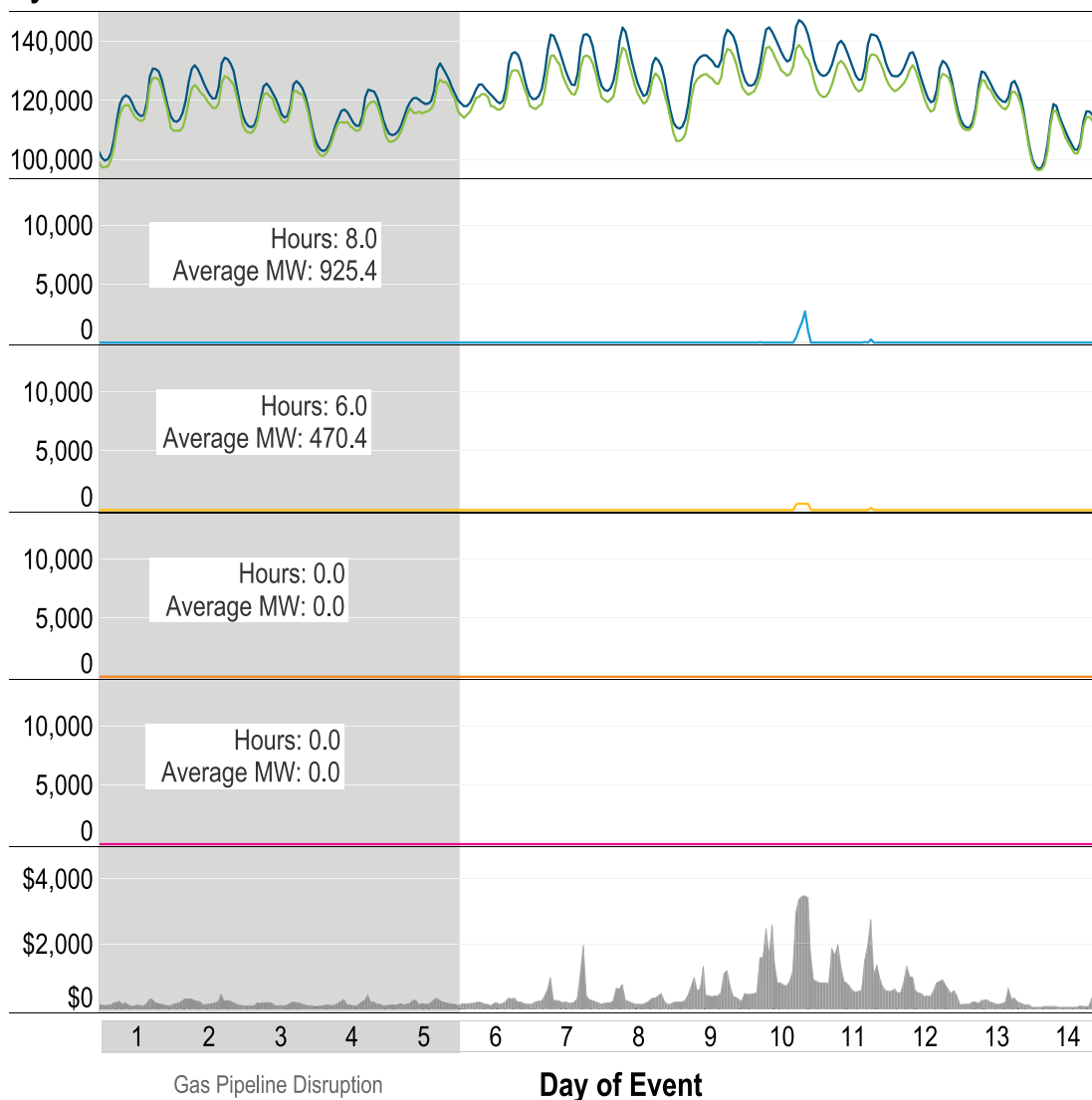
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



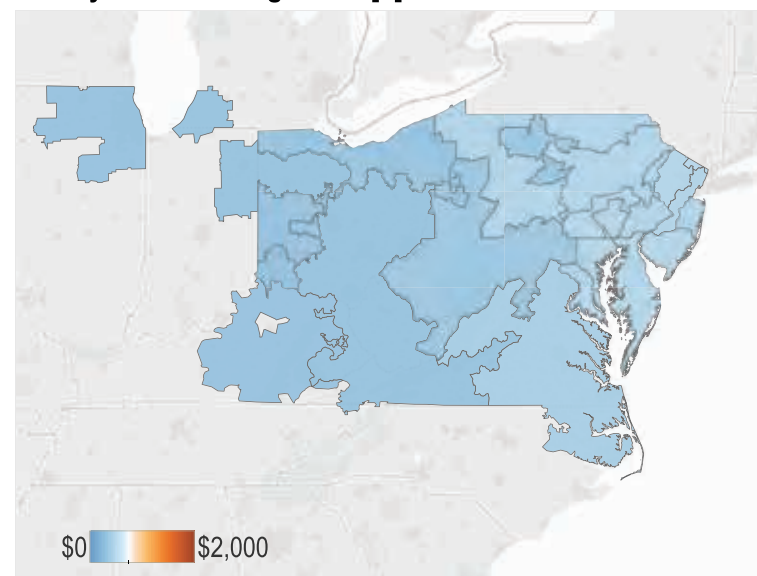
Legend



## Scenario: 257

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.14M

0	0	0	0	1	1	2	2	5	11	22	21	6	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

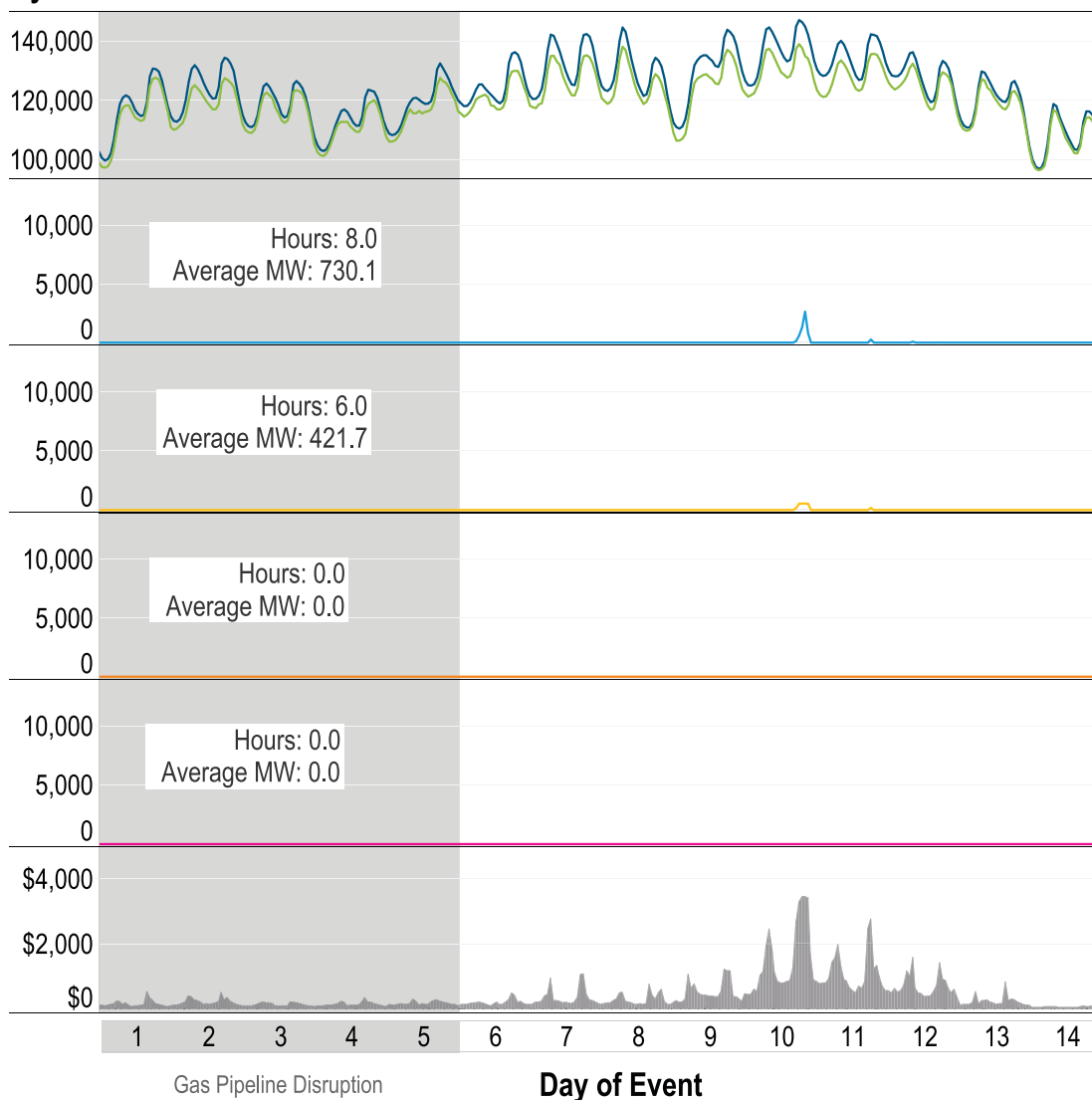
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



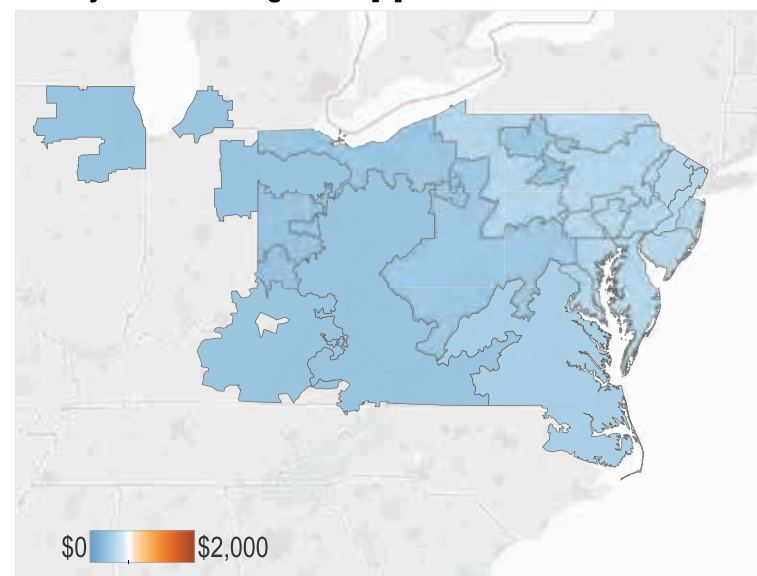
Legend



## Scenario: 258

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.12M

0	0	0	0	1	2	2	2	5	10	23	20	6	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

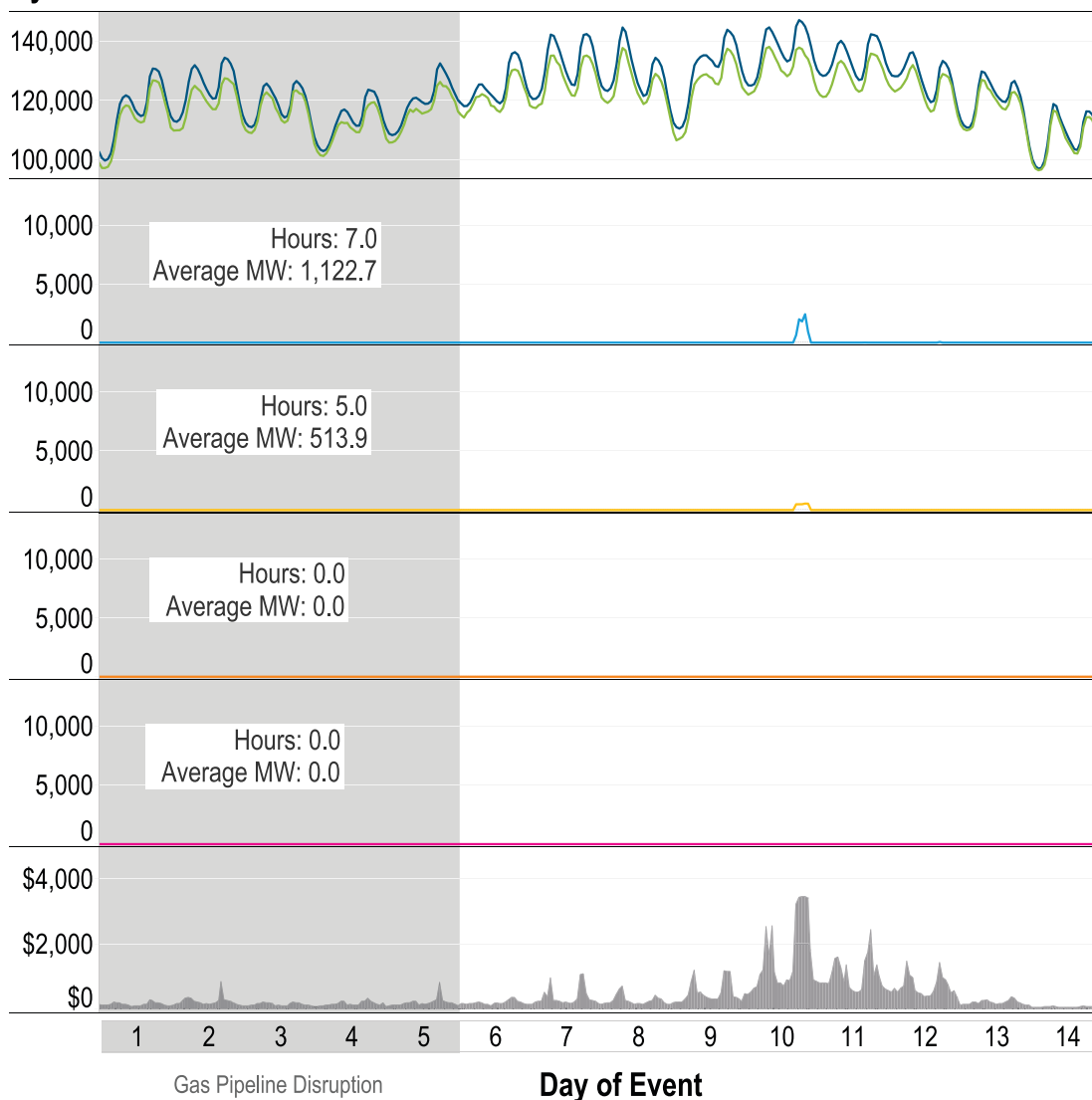
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



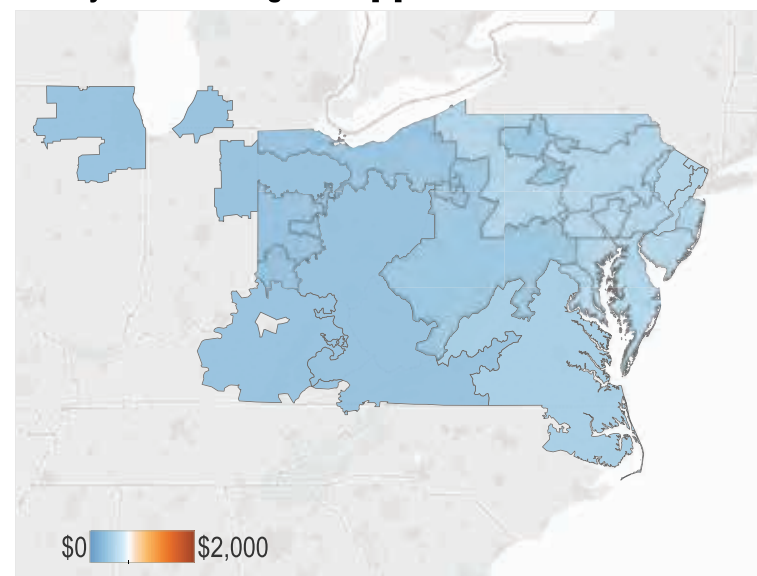
Legend



## Scenario: 259

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.29M

0	0	0	0	1	1	2	2	5	10	21	21	6	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

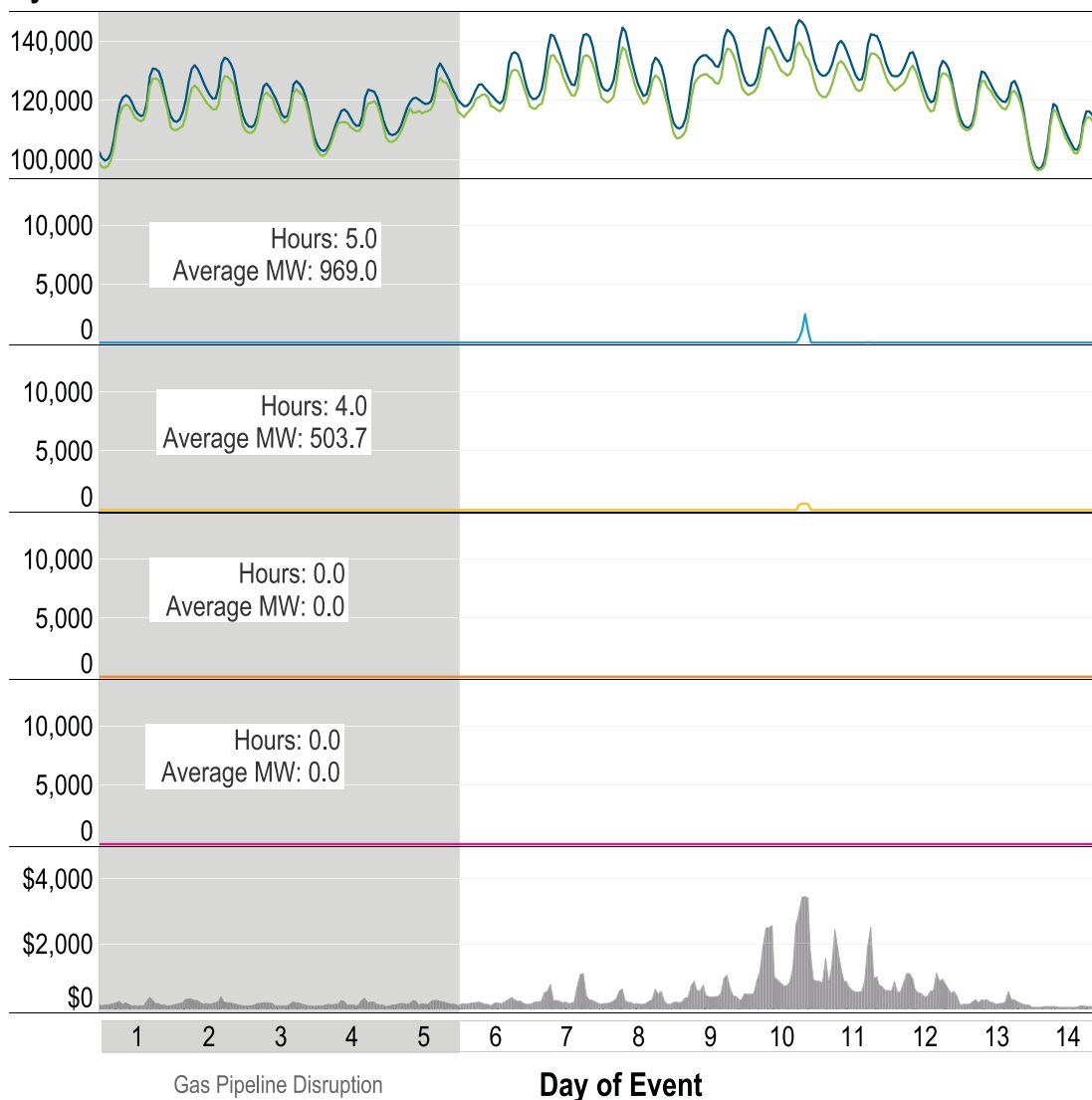
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



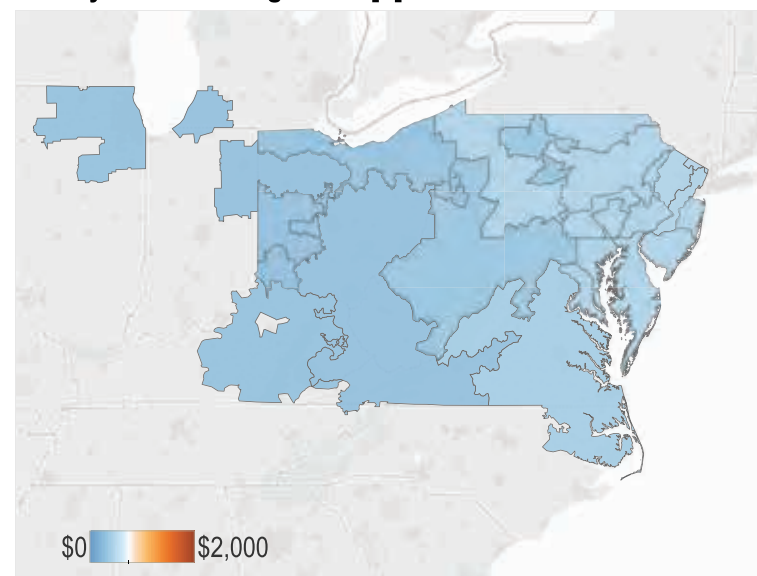
Legend



## Scenario: 260

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.16M

0	0	1	1	2	1	3	2	5	11	22	22	6	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

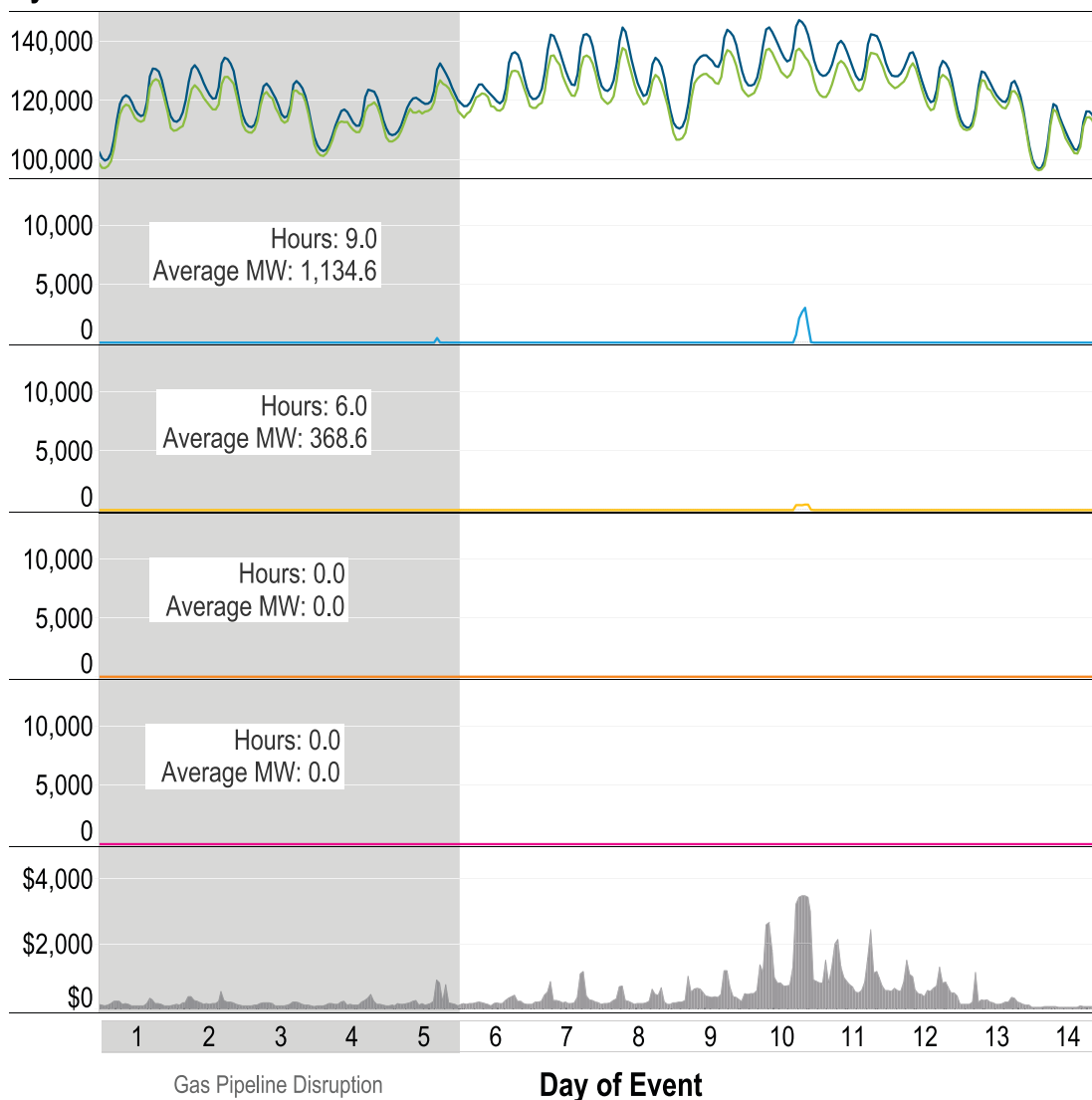
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

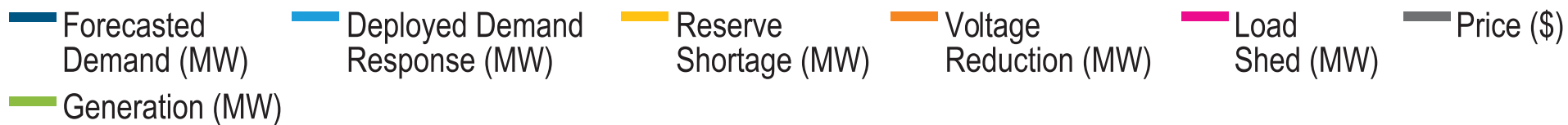
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



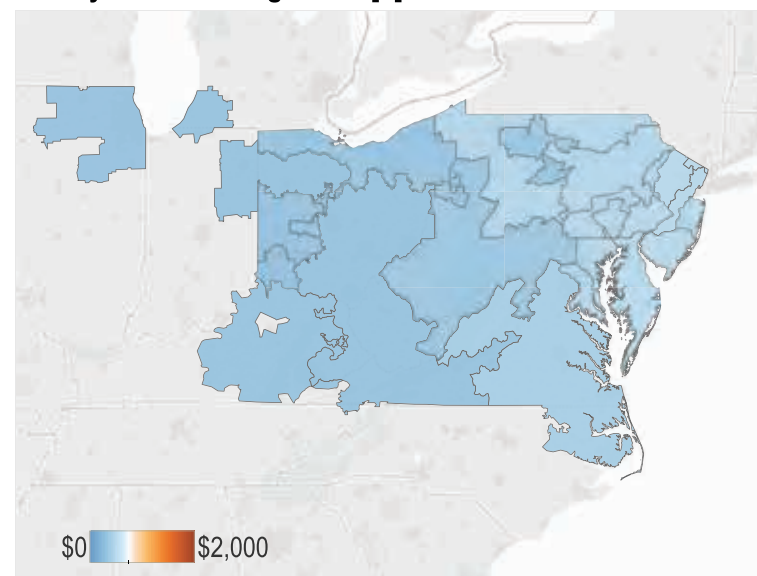
Legend



## Scenario: 261

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.31M

0	1	1	1	2	3	3	2	6	12	22	22	6	0
---	---	---	---	---	---	---	---	---	----	----	----	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

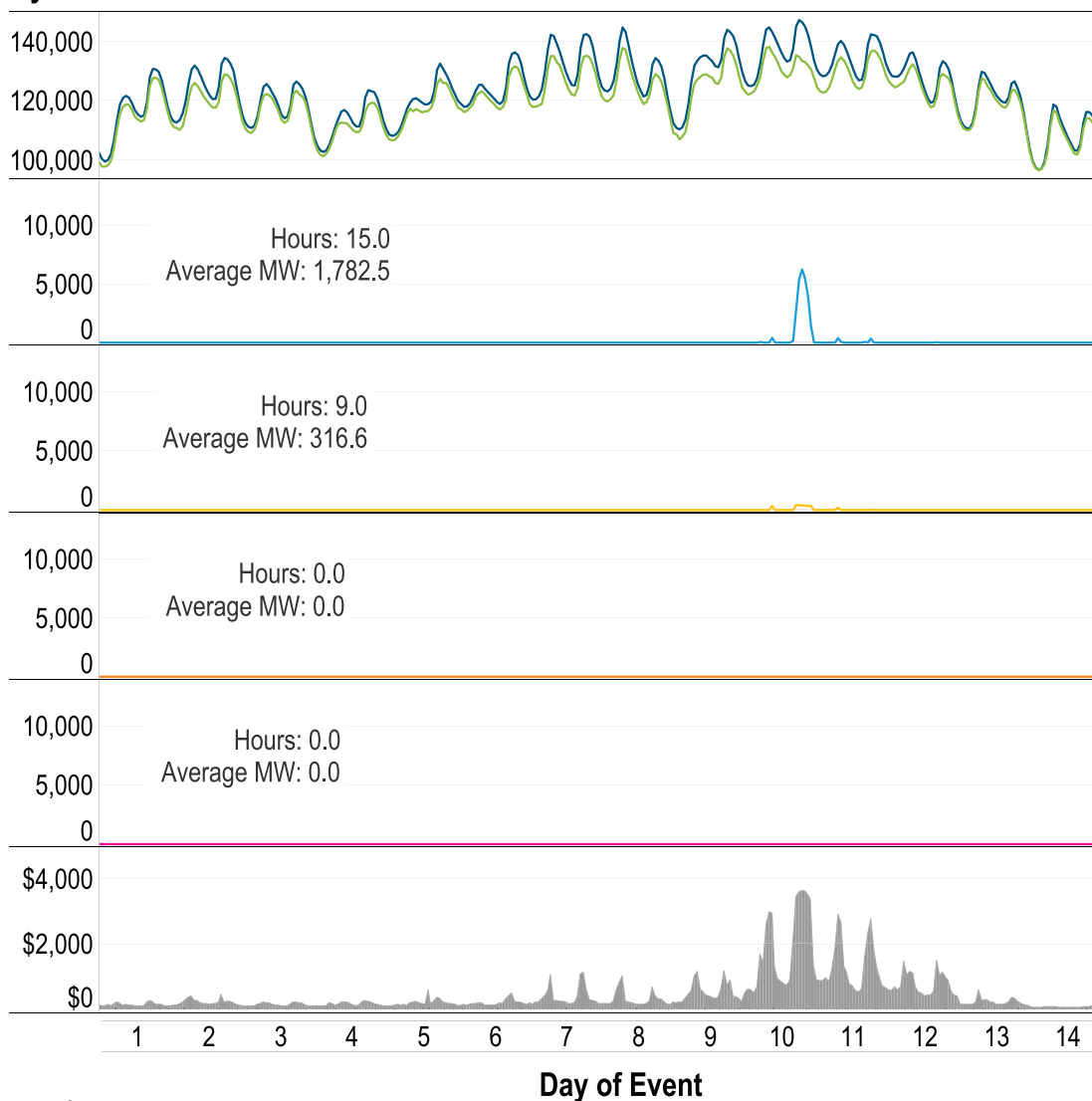
\*141 Total Sites

Day of Event

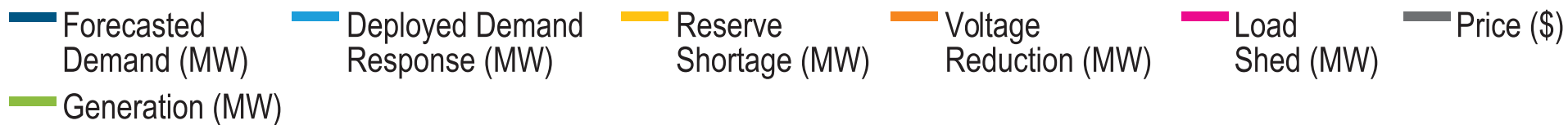
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



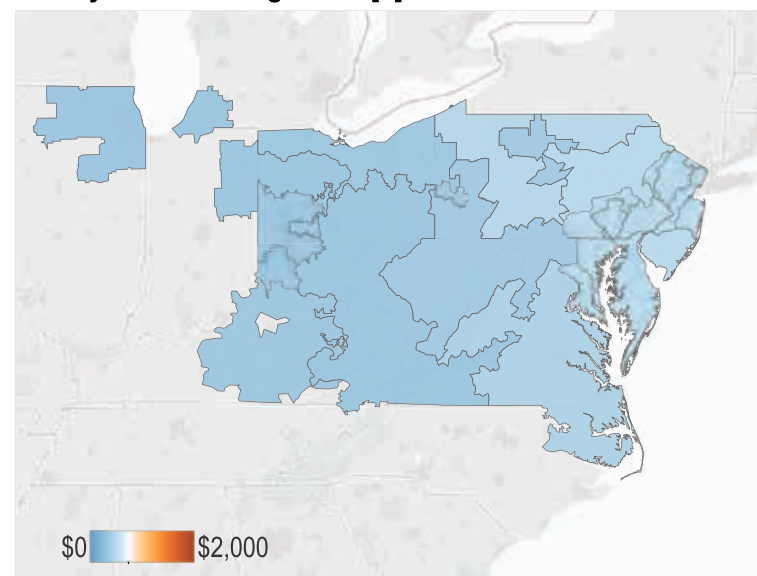
Legend



## Scenario: 262

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.10M

0	2	3	3	5	8	16	23	40	59	72	76	69	61
---	---	---	---	---	---	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

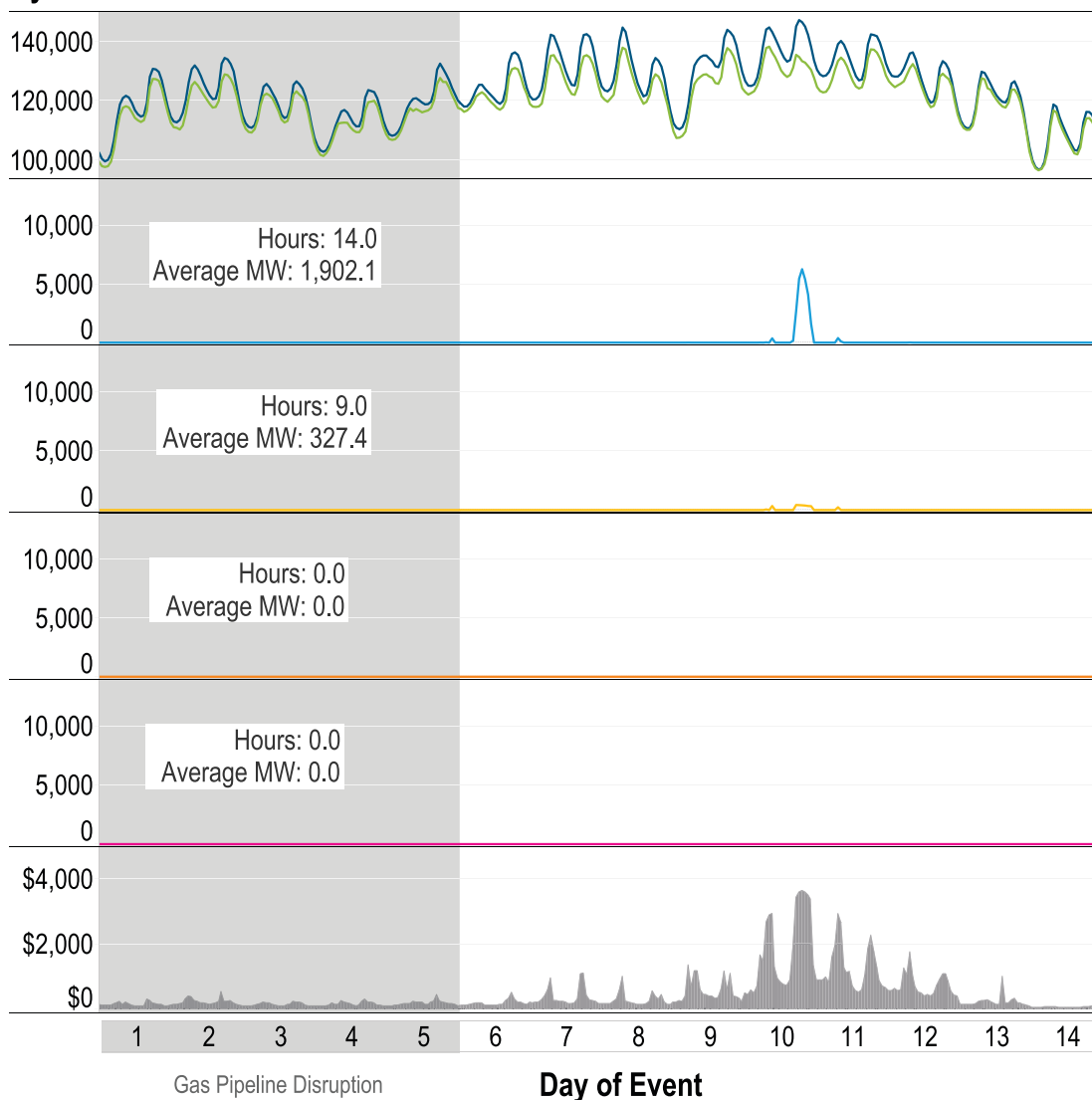
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



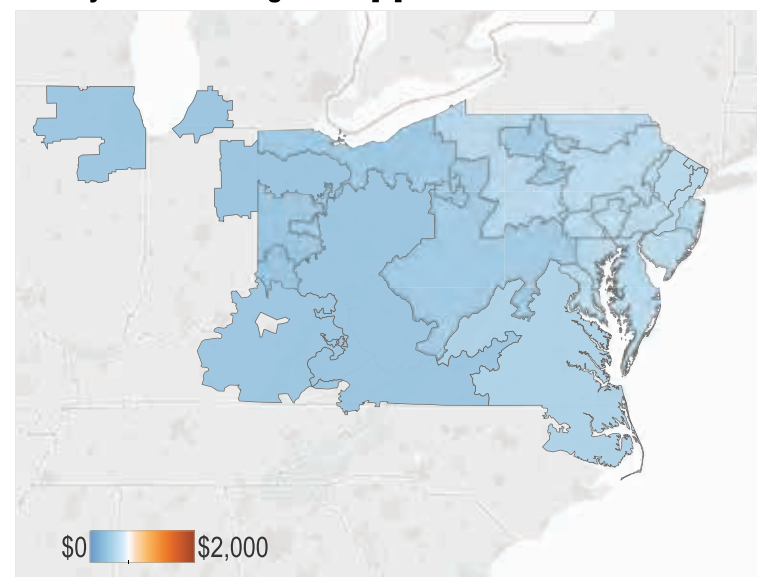
Legend



## Scenario: 263

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.13M

0 2 3 3 7 10 17 23 43 60 70 76 71 63

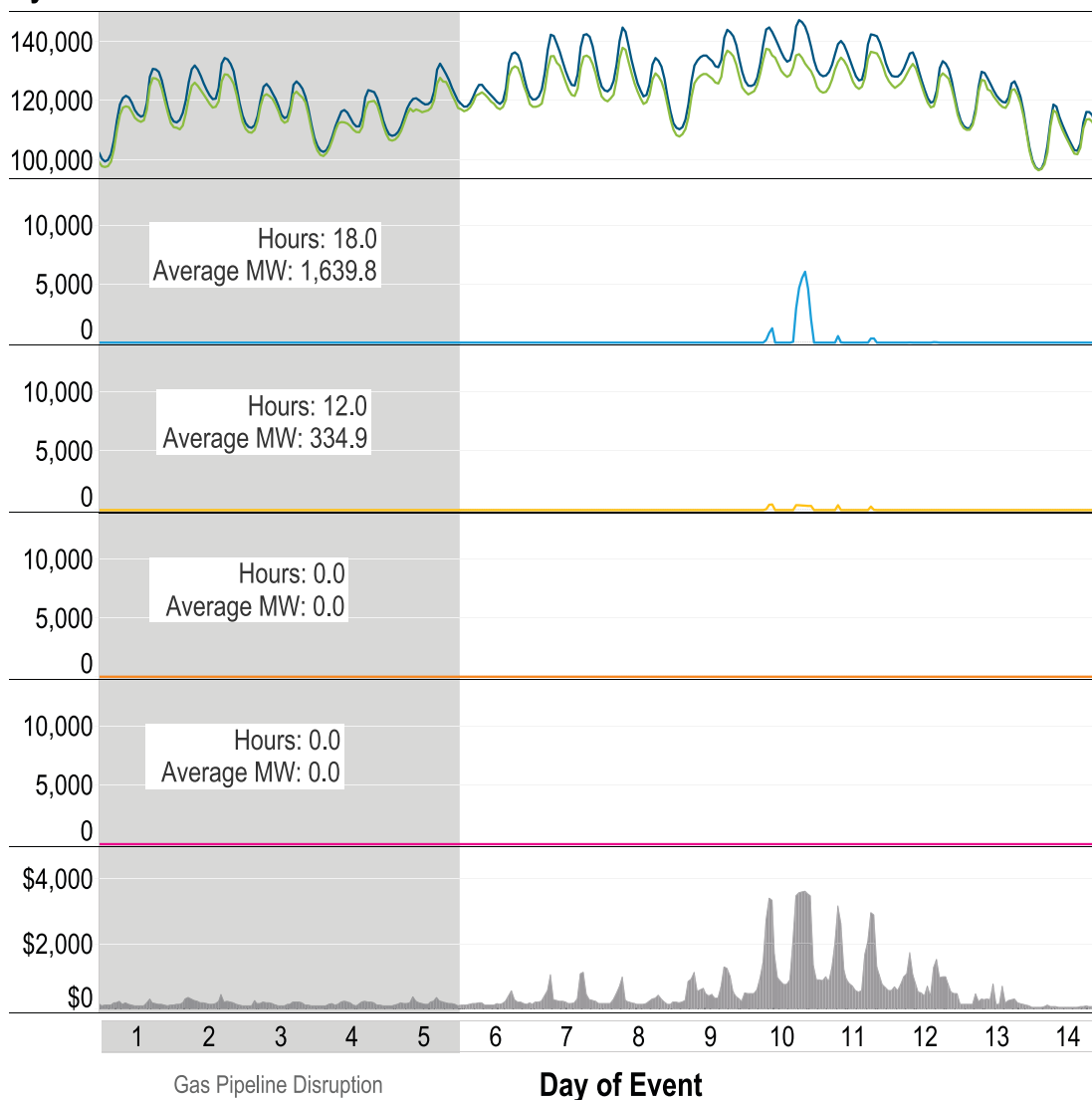
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



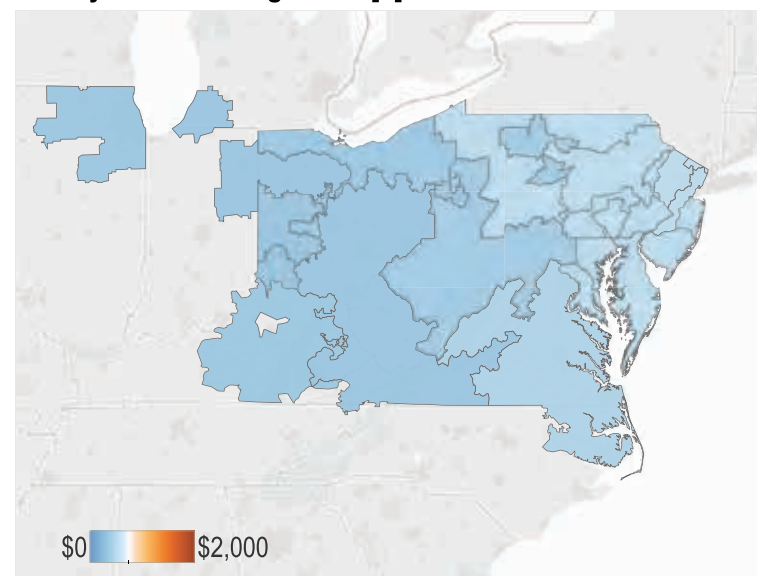
Legend



## Scenario: 264

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.18M

0	2	3	3	6	9	18	24	44	61	73	75	71	63
---	---	---	---	---	---	----	----	----	----	----	----	----	----

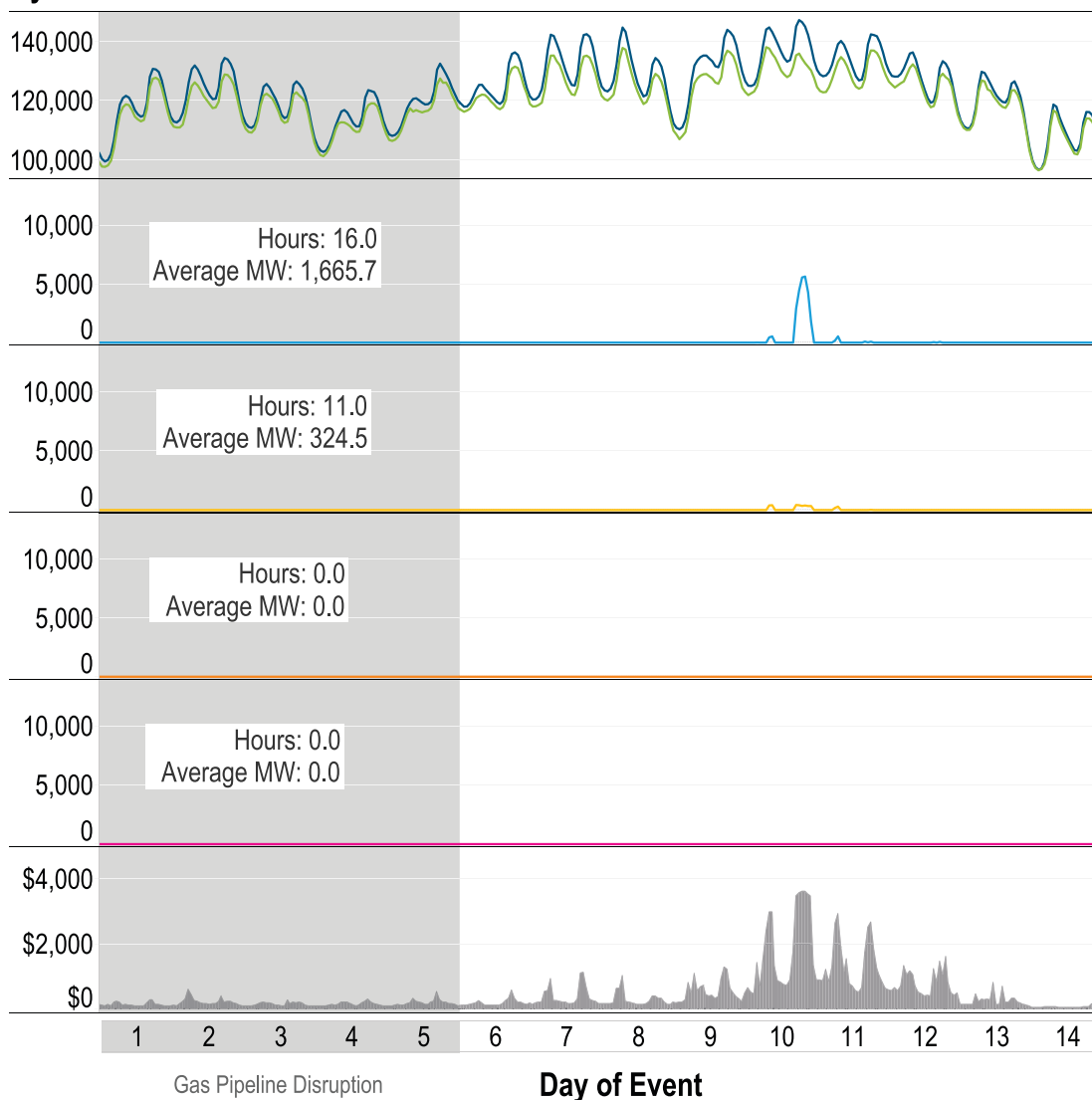
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



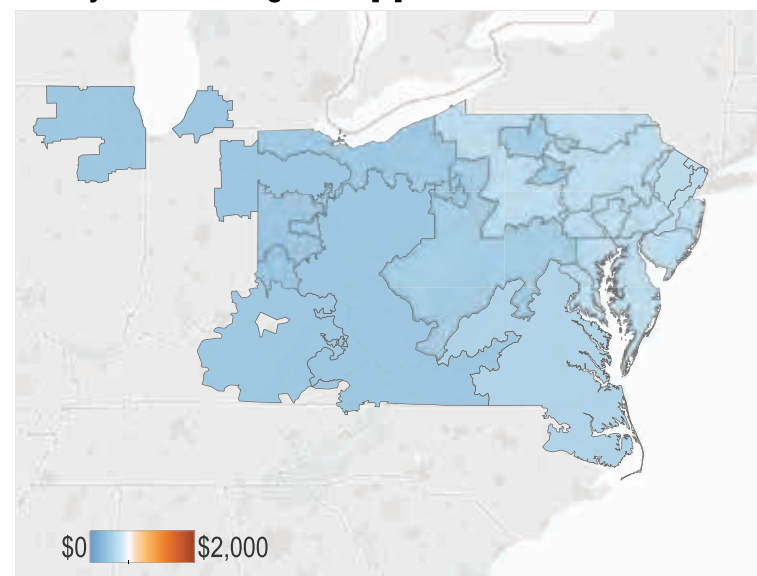
Legend



## Scenario: 265

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.12M

0	2	4	4	6	9	18	24	43	58	71	75	71	63
---	---	---	---	---	---	----	----	----	----	----	----	----	----

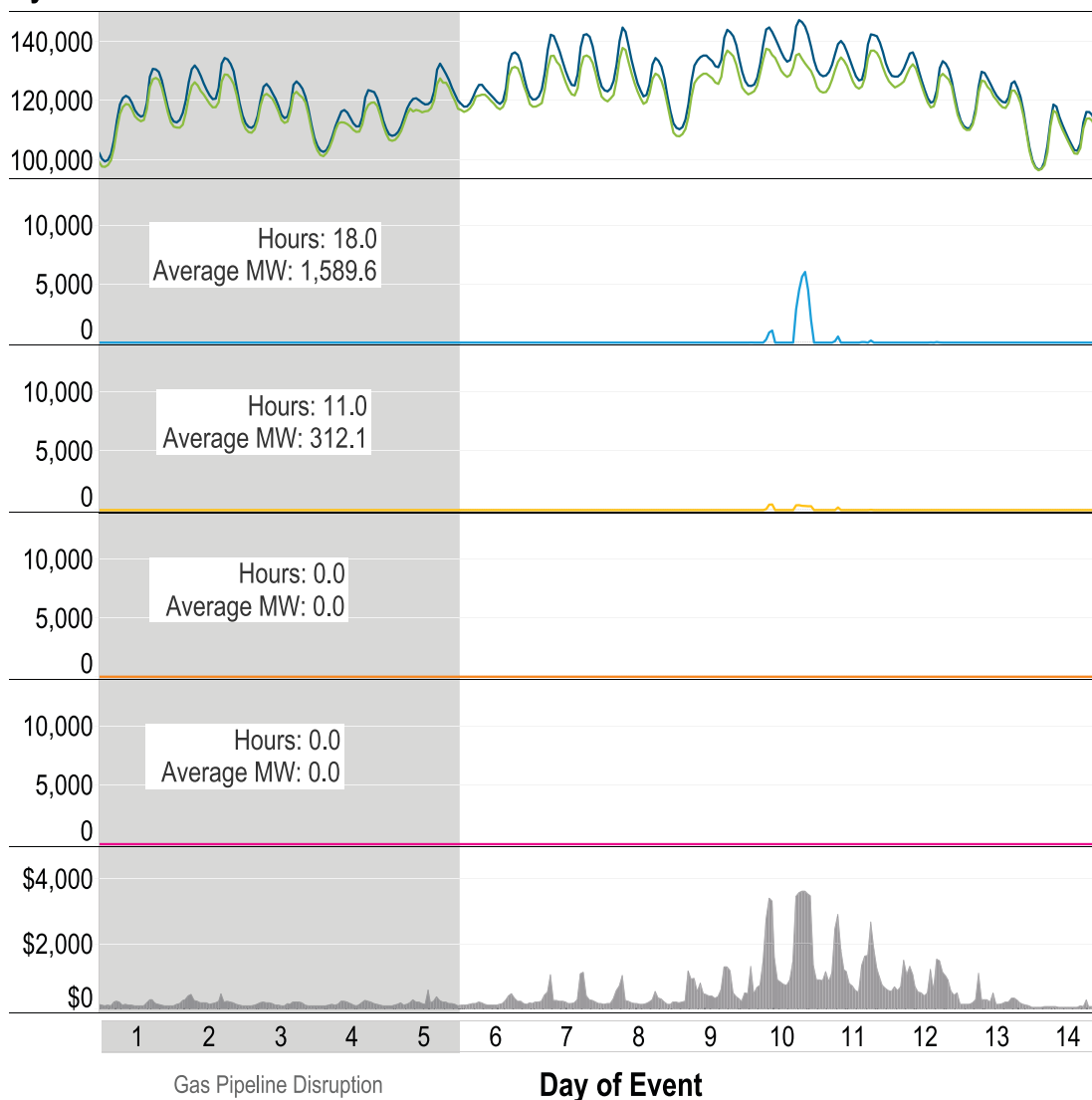
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



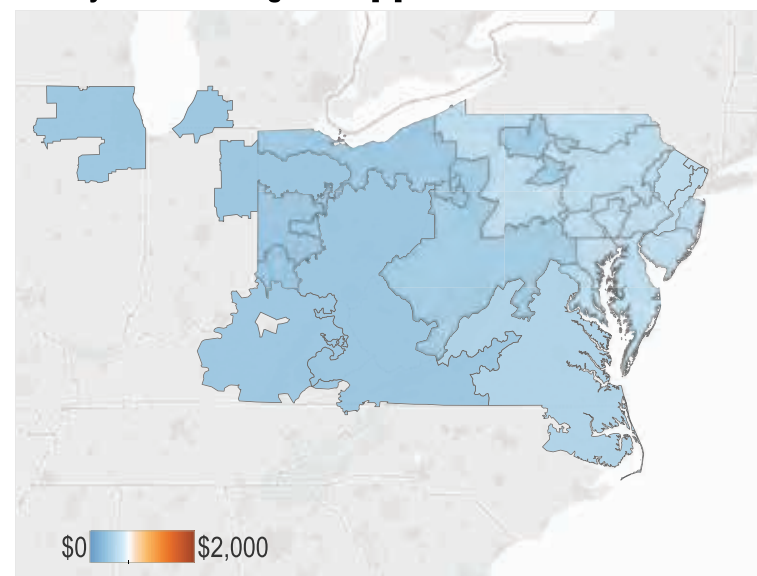
Legend



## Scenario: 266

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.17M

0	2	3	3	7	8	17	22	41	56	70	75	71	62
---	---	---	---	---	---	----	----	----	----	----	----	----	----

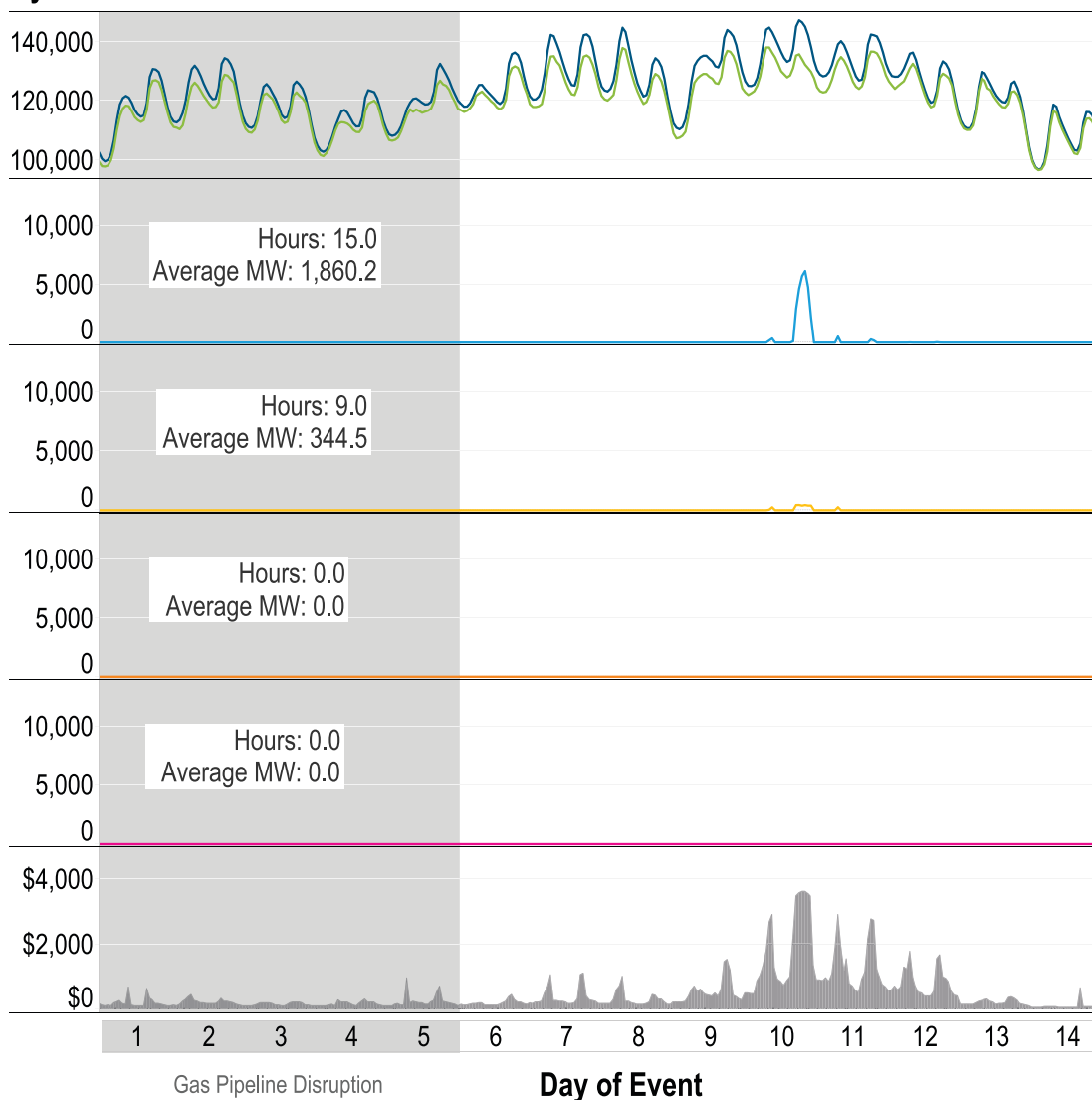
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



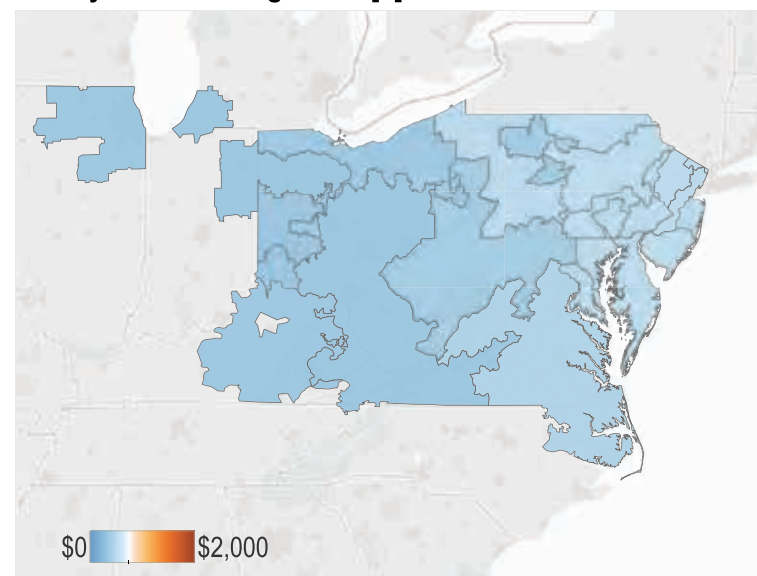
Legend



## Scenario: 267

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.16M

0	2	3	3	9	10	19	26	44	61	71	76	71	63
---	---	---	---	---	----	----	----	----	----	----	----	----	----

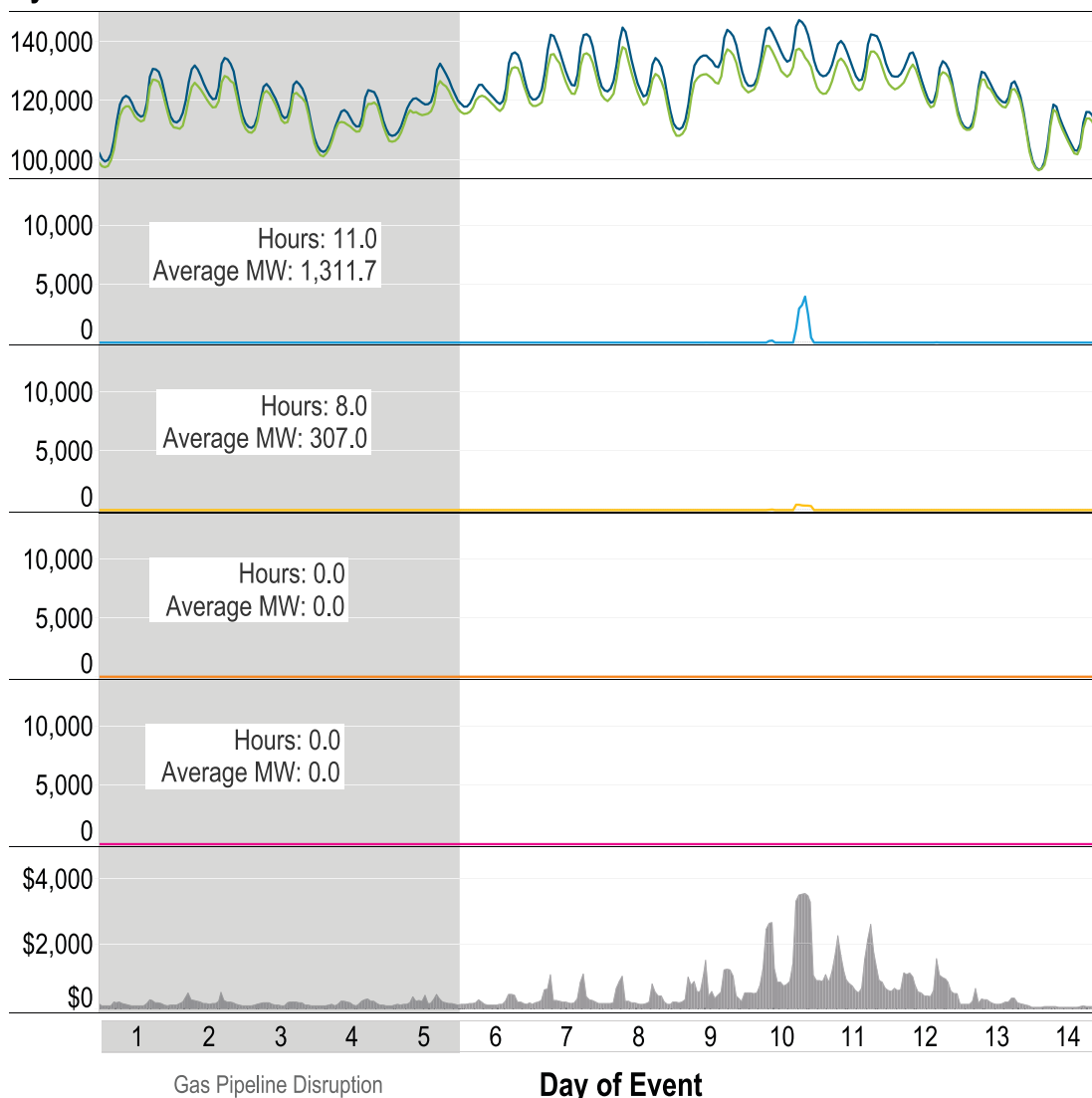
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



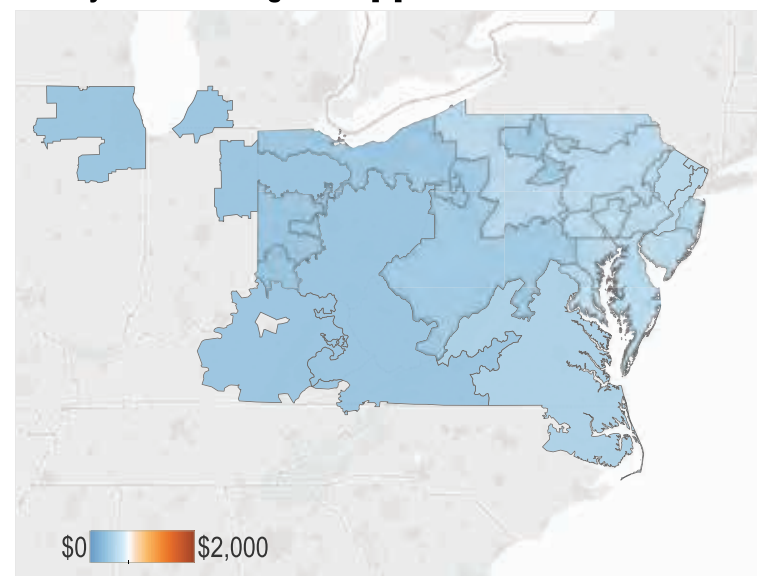
Legend



## Scenario: 268

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.84M

0 2 5 5 8 11 20 26 43 59 70 74 70 64

1 2 3 4 5 6 7 8 9 10 11 12 13 14

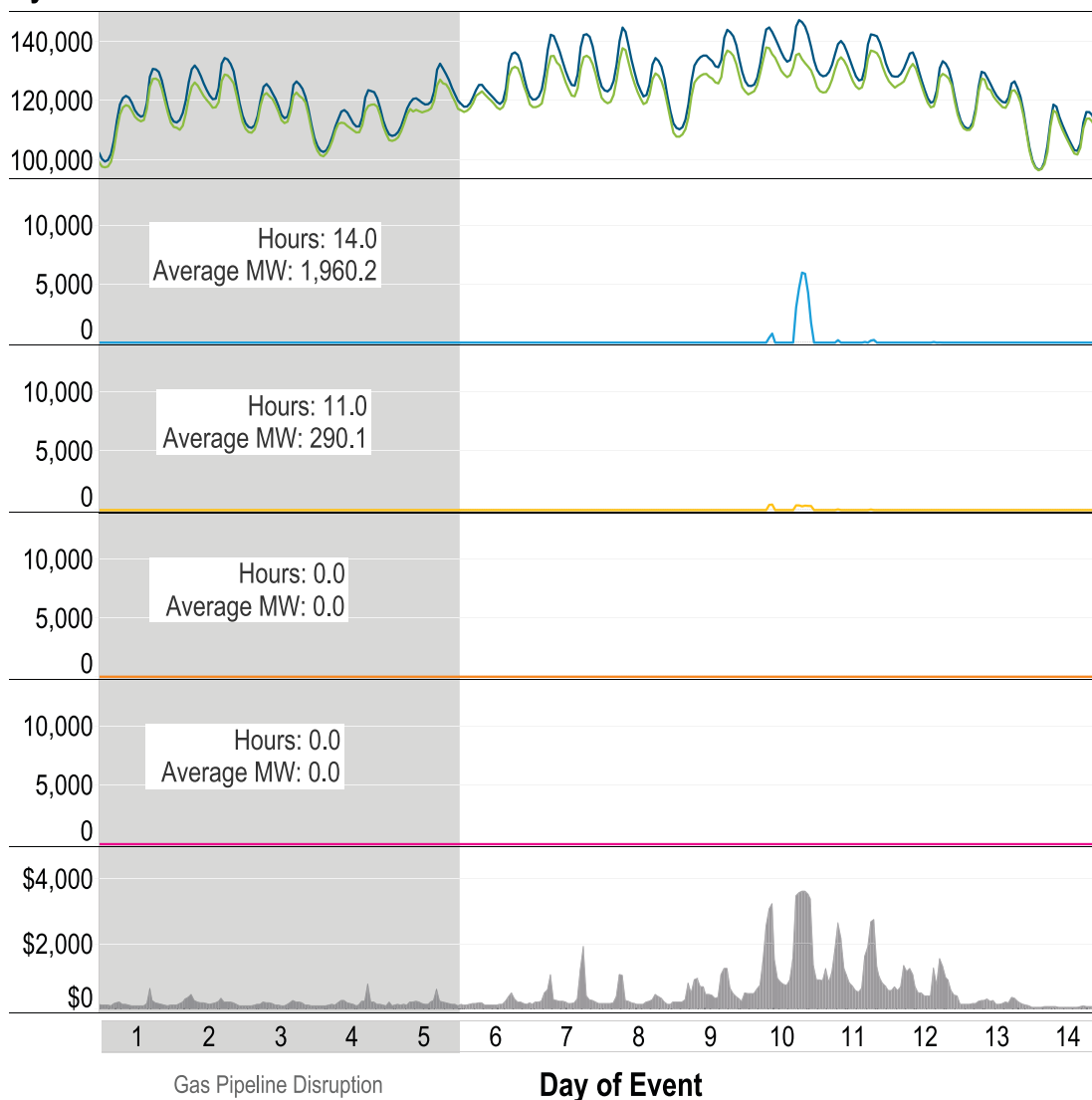
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



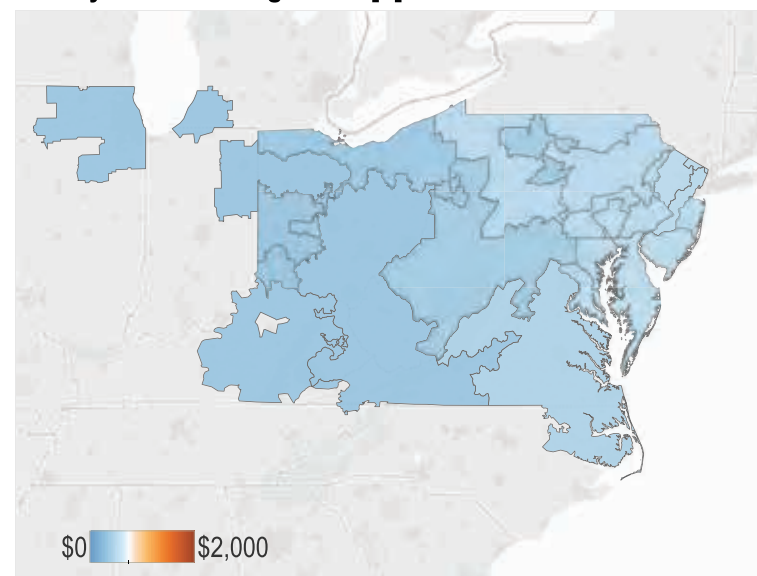
Legend



## Scenario: 269

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.17M

0	3	4	3	10	9	17	22	44	60	72	76	71	63
---	---	---	---	----	---	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

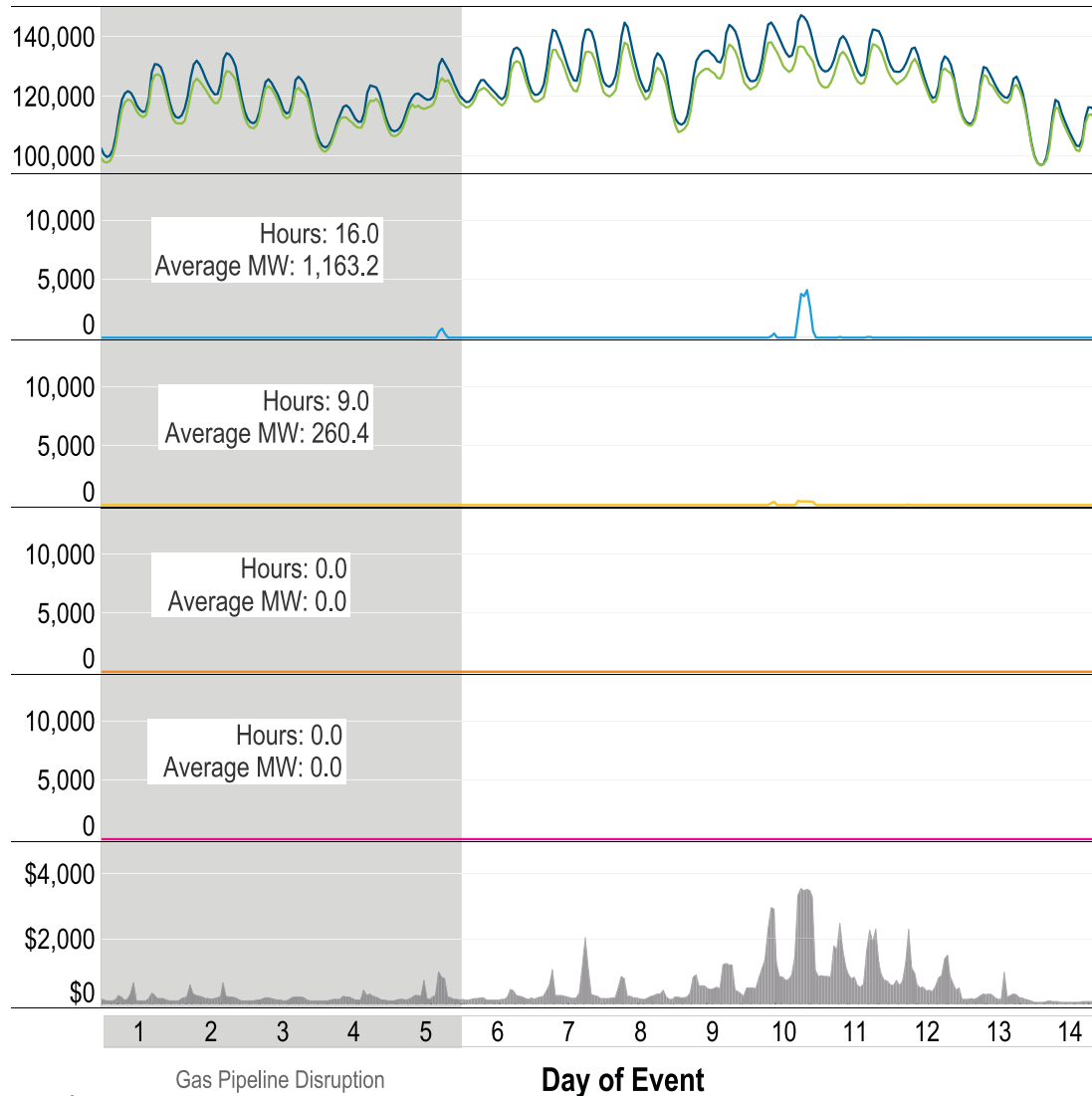
\*141 Total Sites

Day of Event

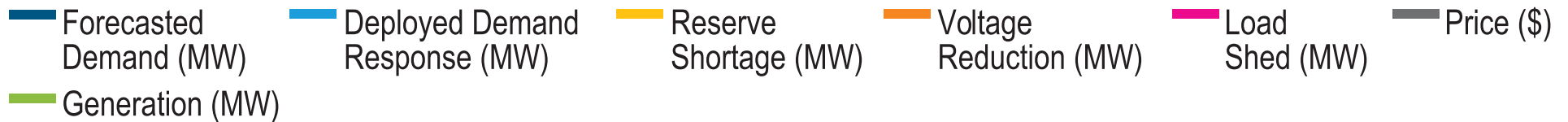
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



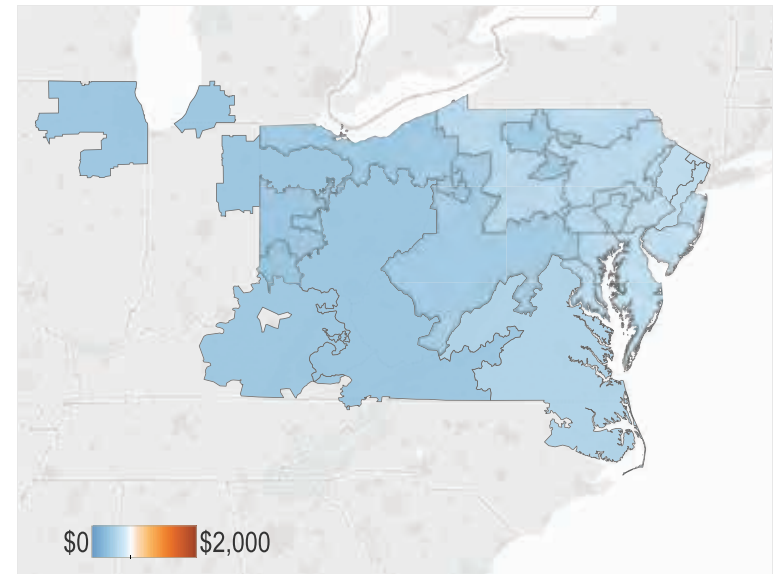
Legend



## Scenario: 270

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.75M

0	3	2	3	6	10	19	23	45	62	74	78	74	65
---	---	---	---	---	----	----	----	----	----	----	----	----	----

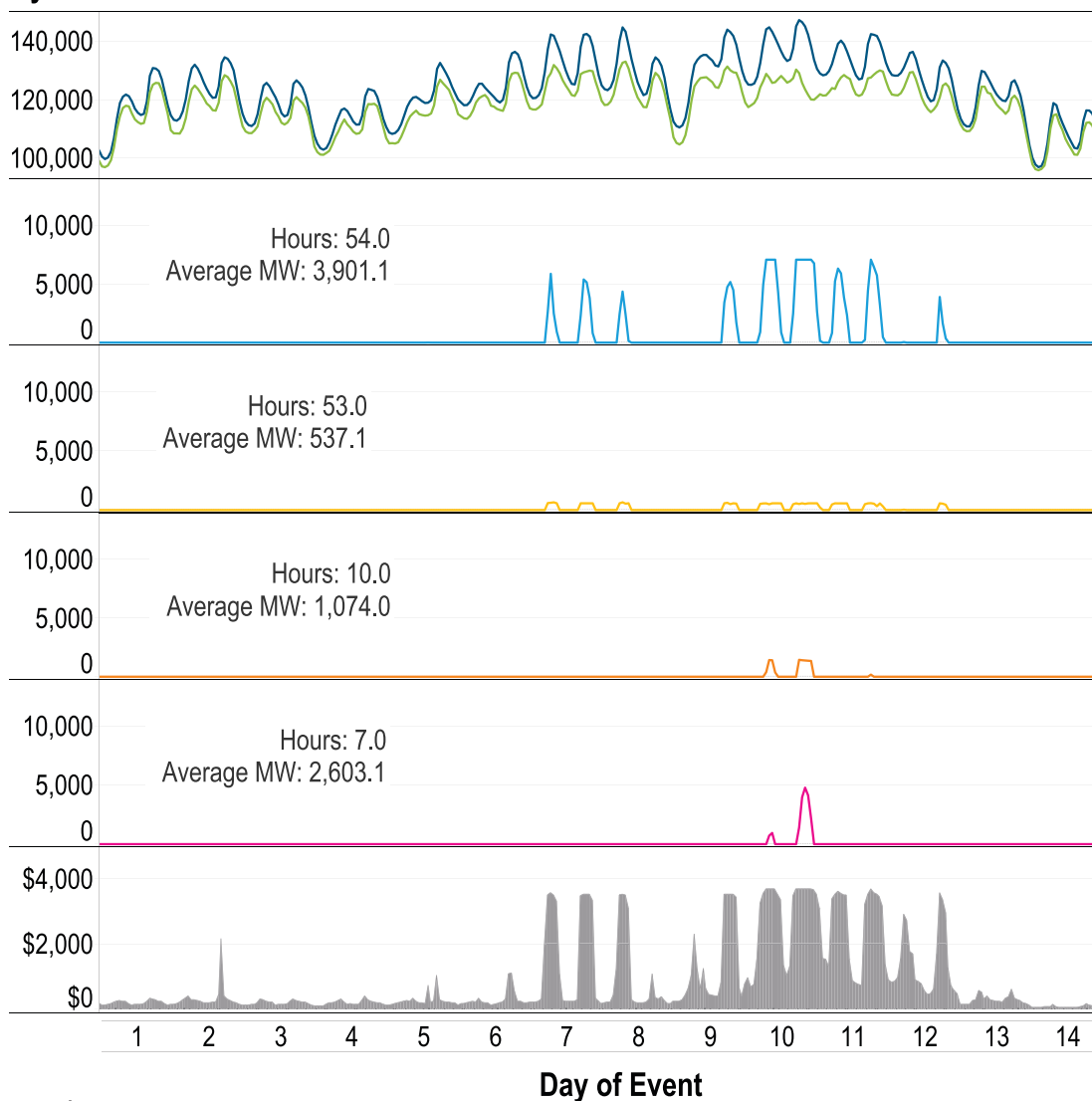
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

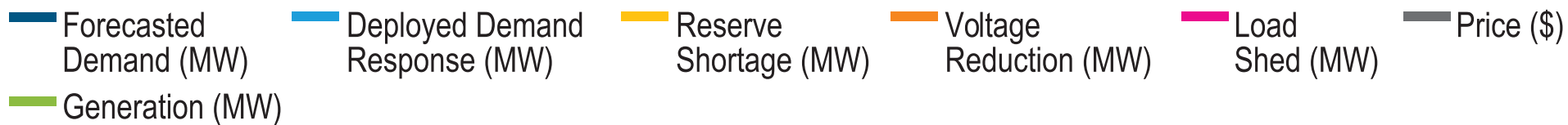
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



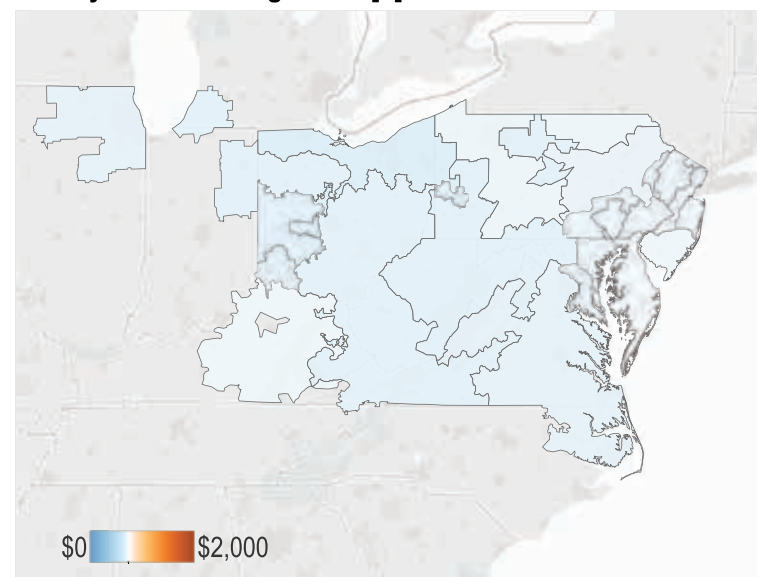
Legend



## Scenario: 271

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.64M

0	0	0	1	2	2	4	5	12	21	27	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

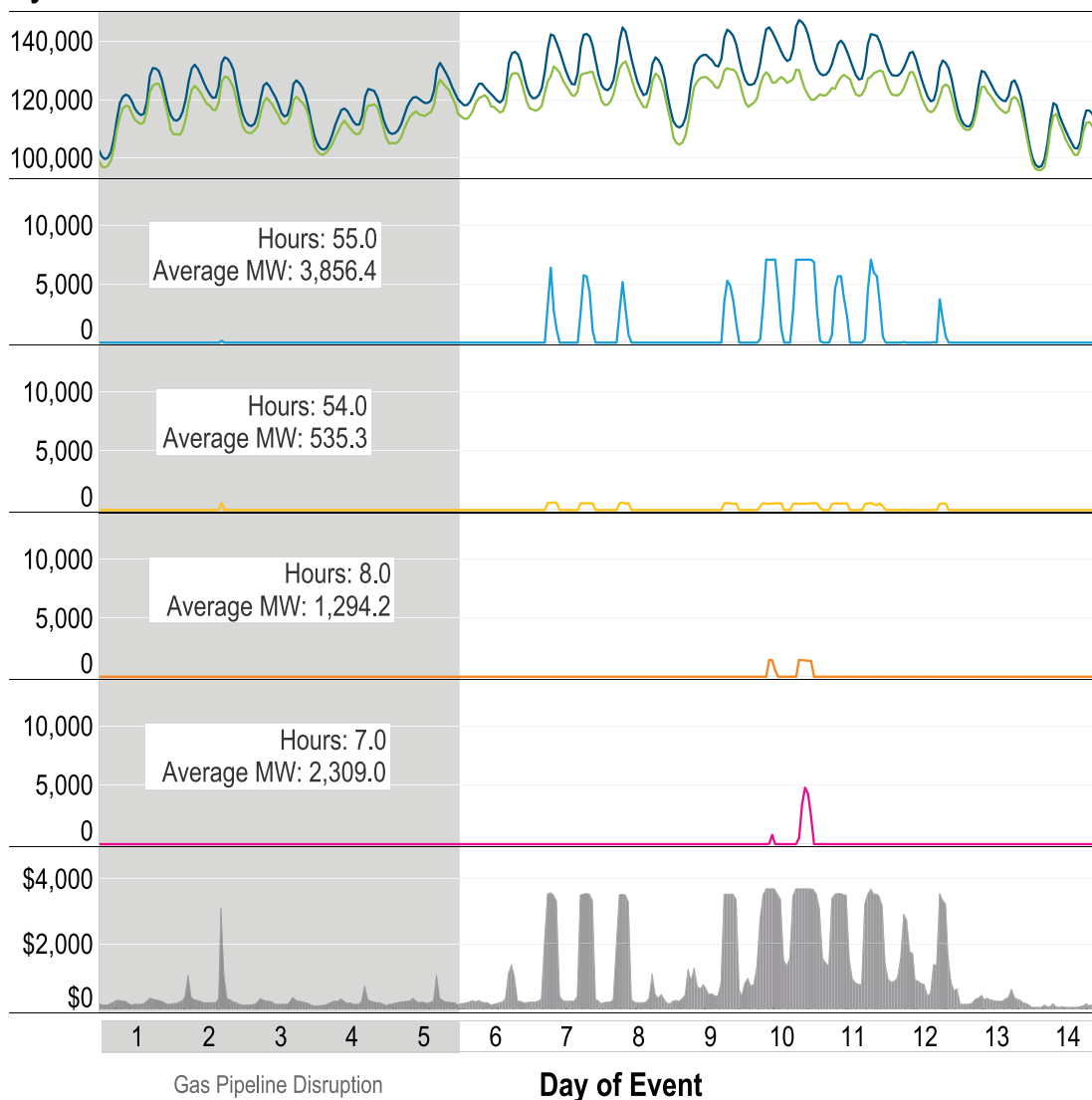
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



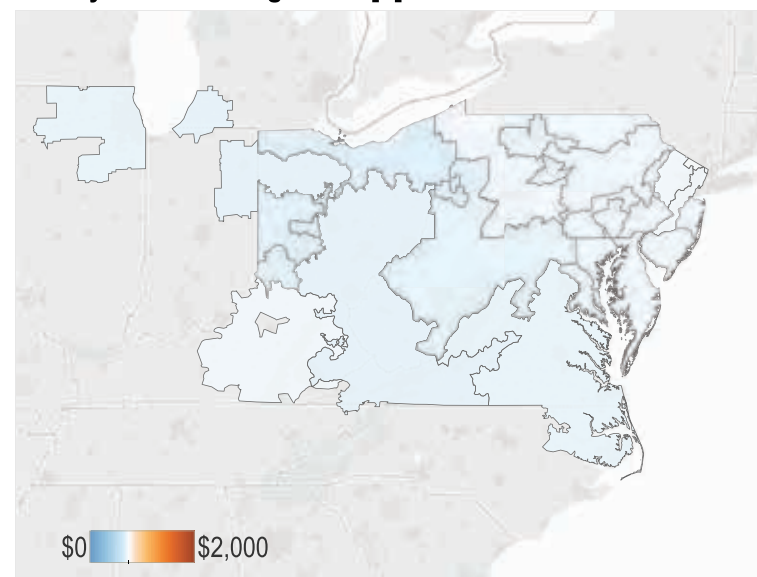
Legend



## Scenario: 272

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.73M

0	0	0	1	2	2	4	6	13	21	27	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

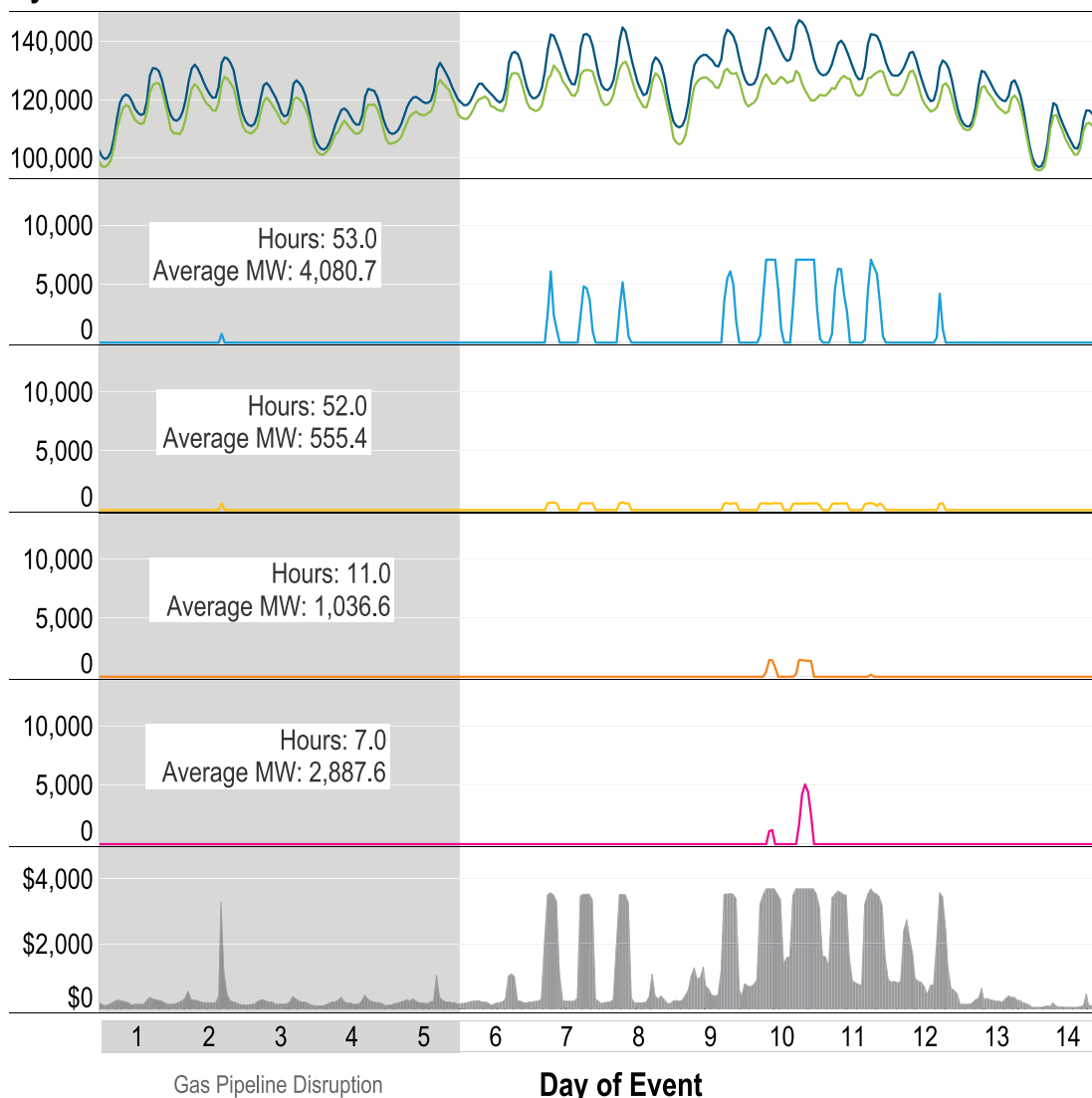
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



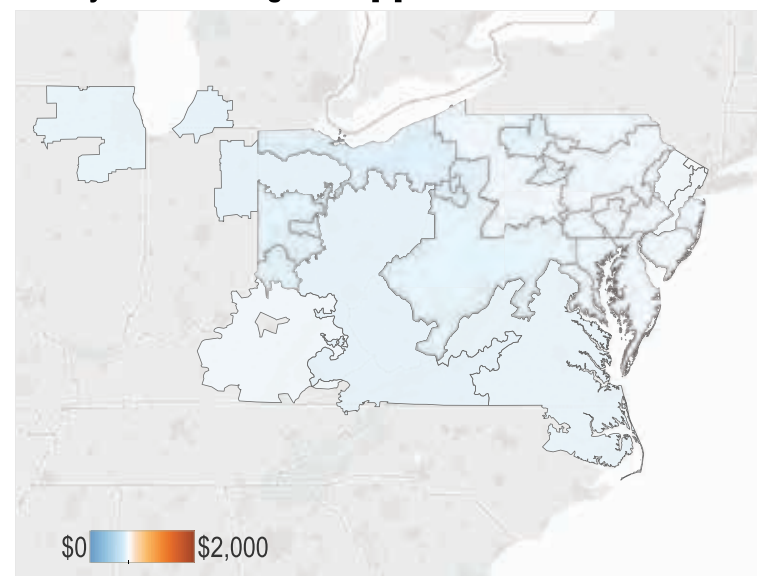
Legend



## Scenario: 273

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 6.75M

0	0	0	1	2	2	4	6	13	20	28	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

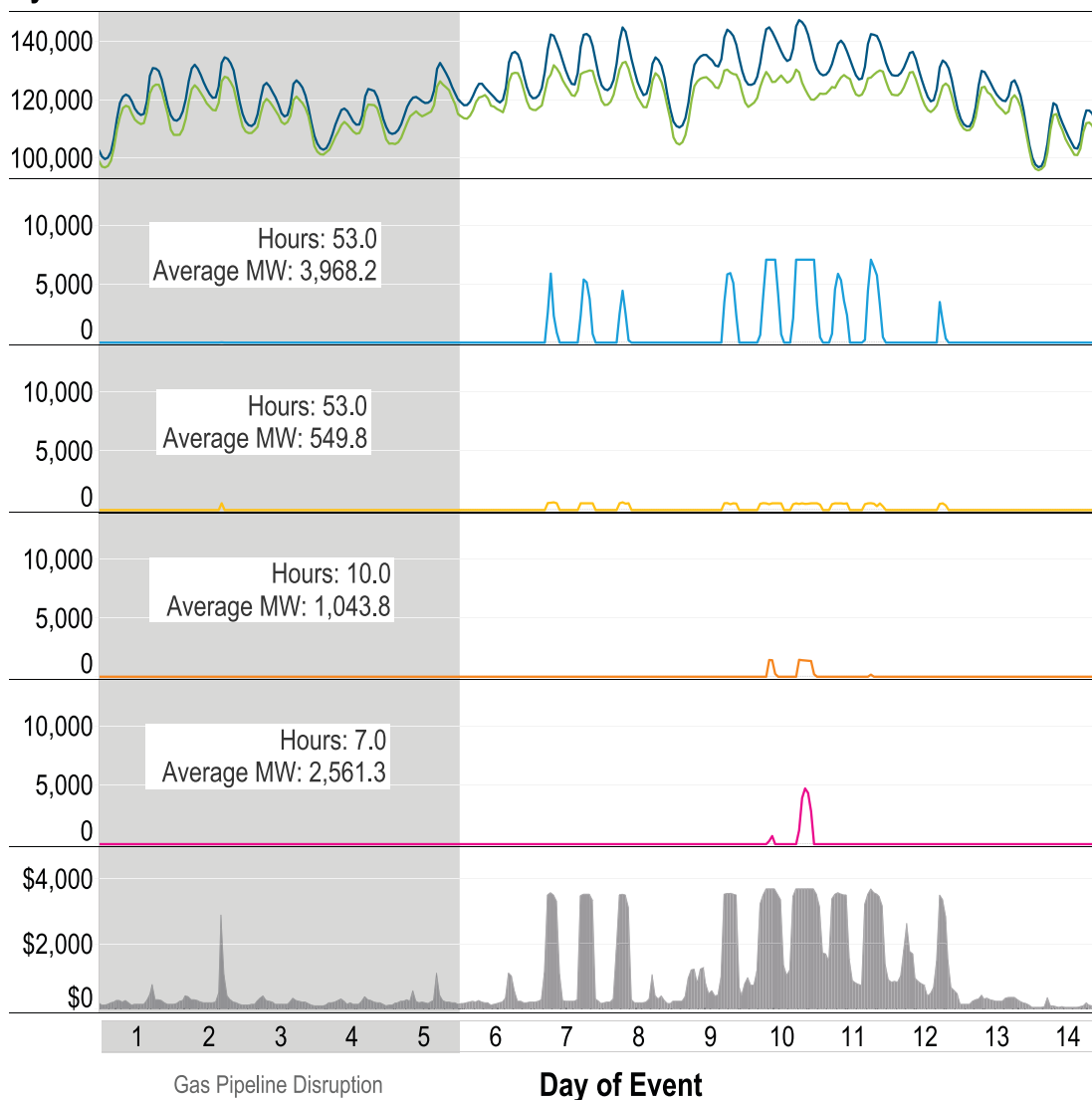
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



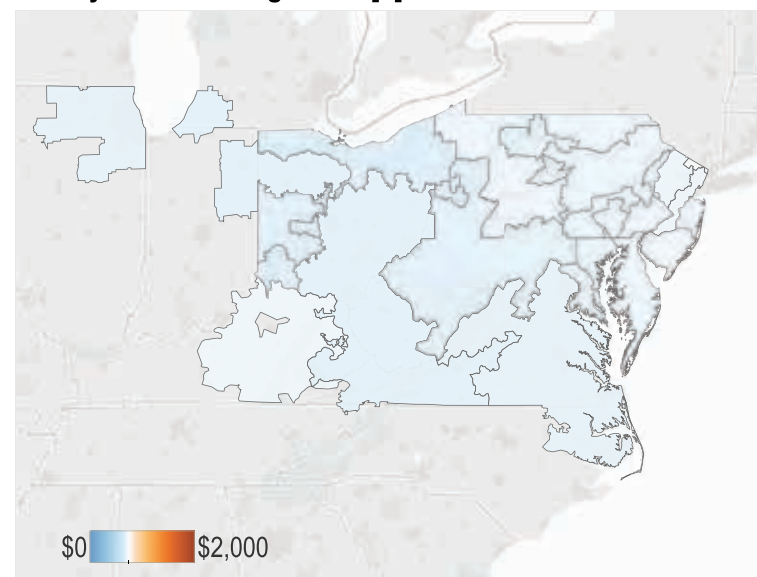
Legend



## Scenario: 274

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.72M

0	0	0	2	2	2	4	6	12	22	27	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

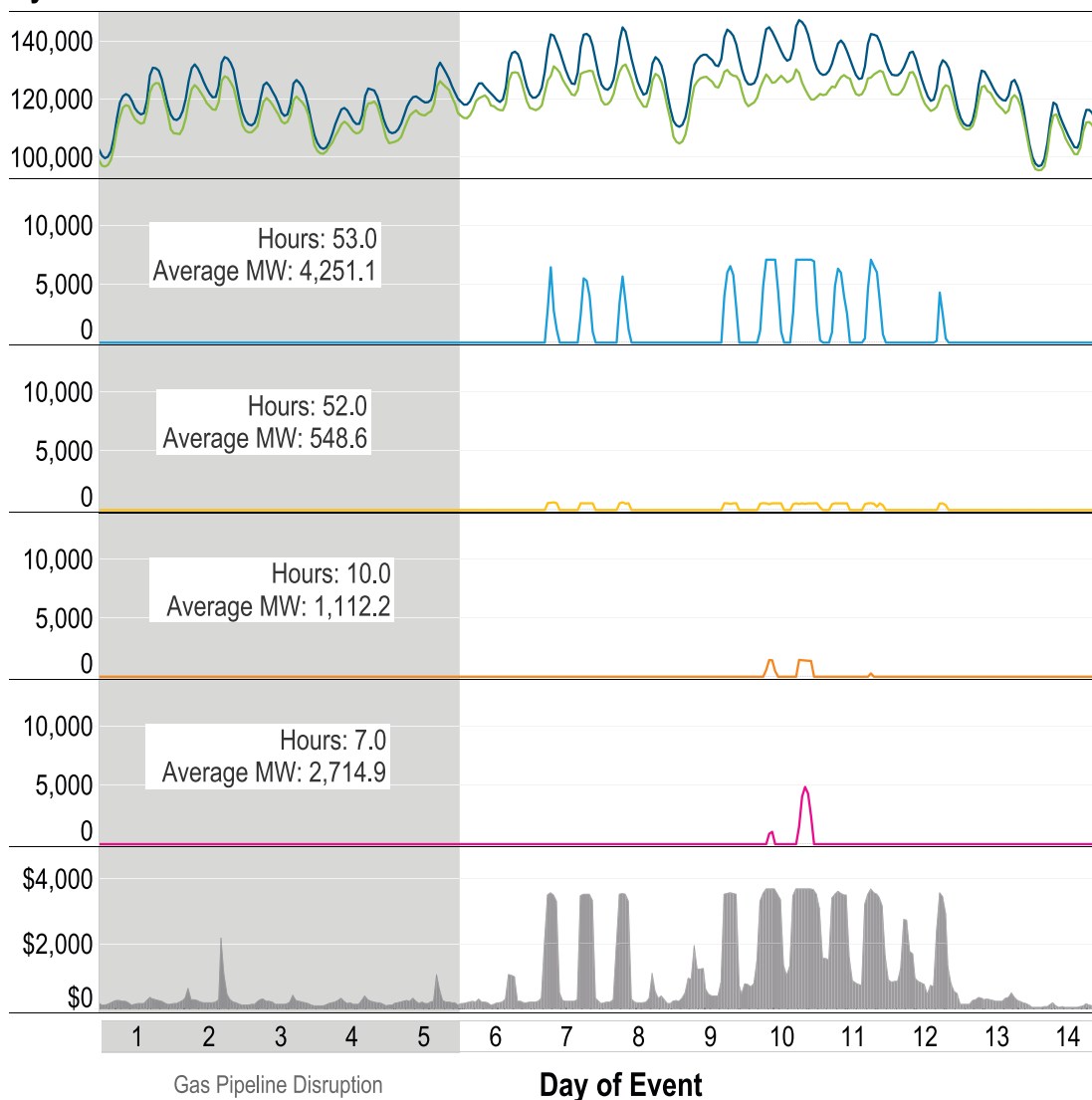
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



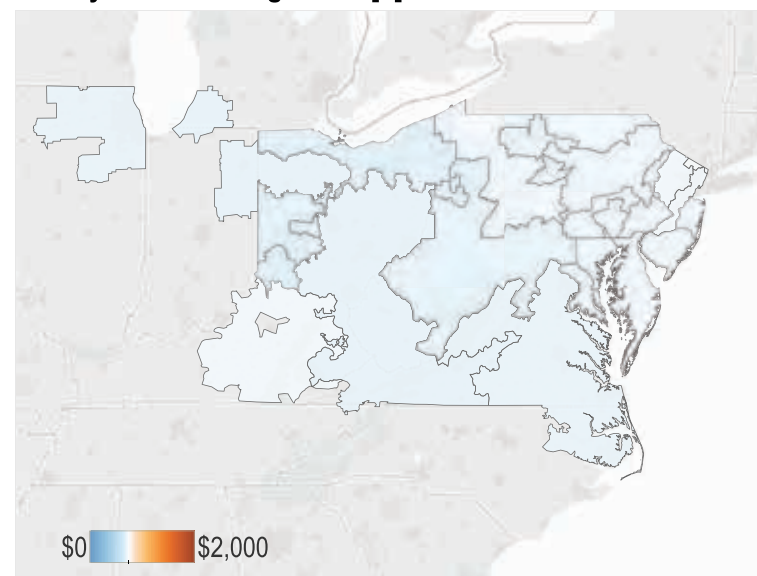
Legend



## Scenario: 275

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.77M

0	0	0	2	2	2	4	7	14	20	28	32	11	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

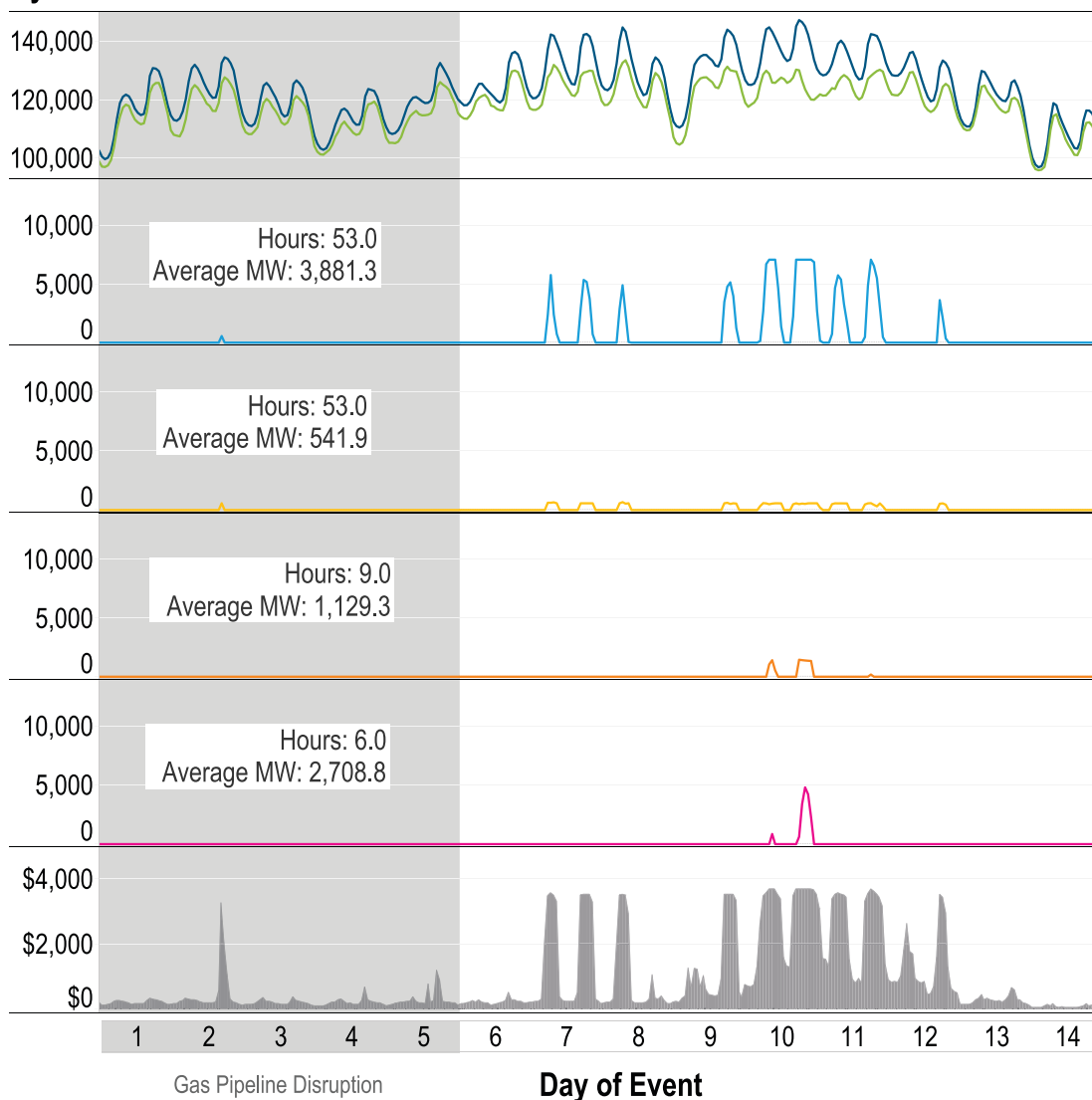
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



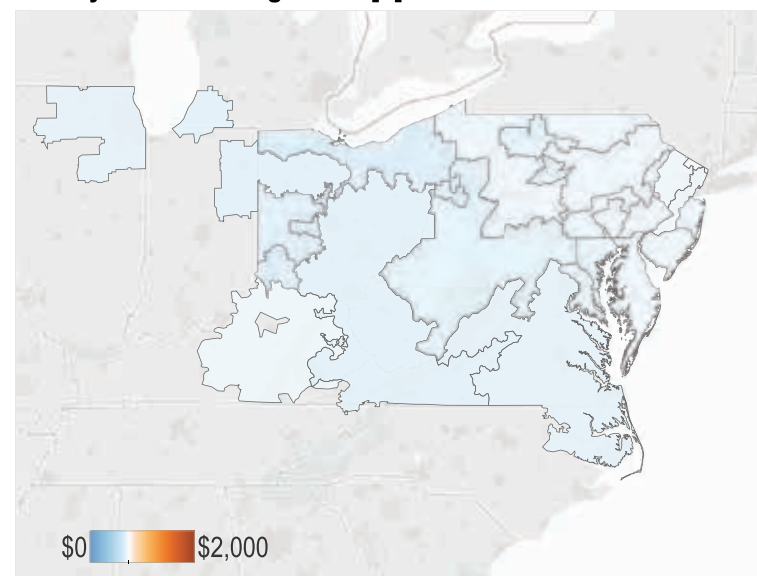
Legend



## Scenario: 276

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.83M

0	0	0	1	2	2	4	5	11	21	27	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

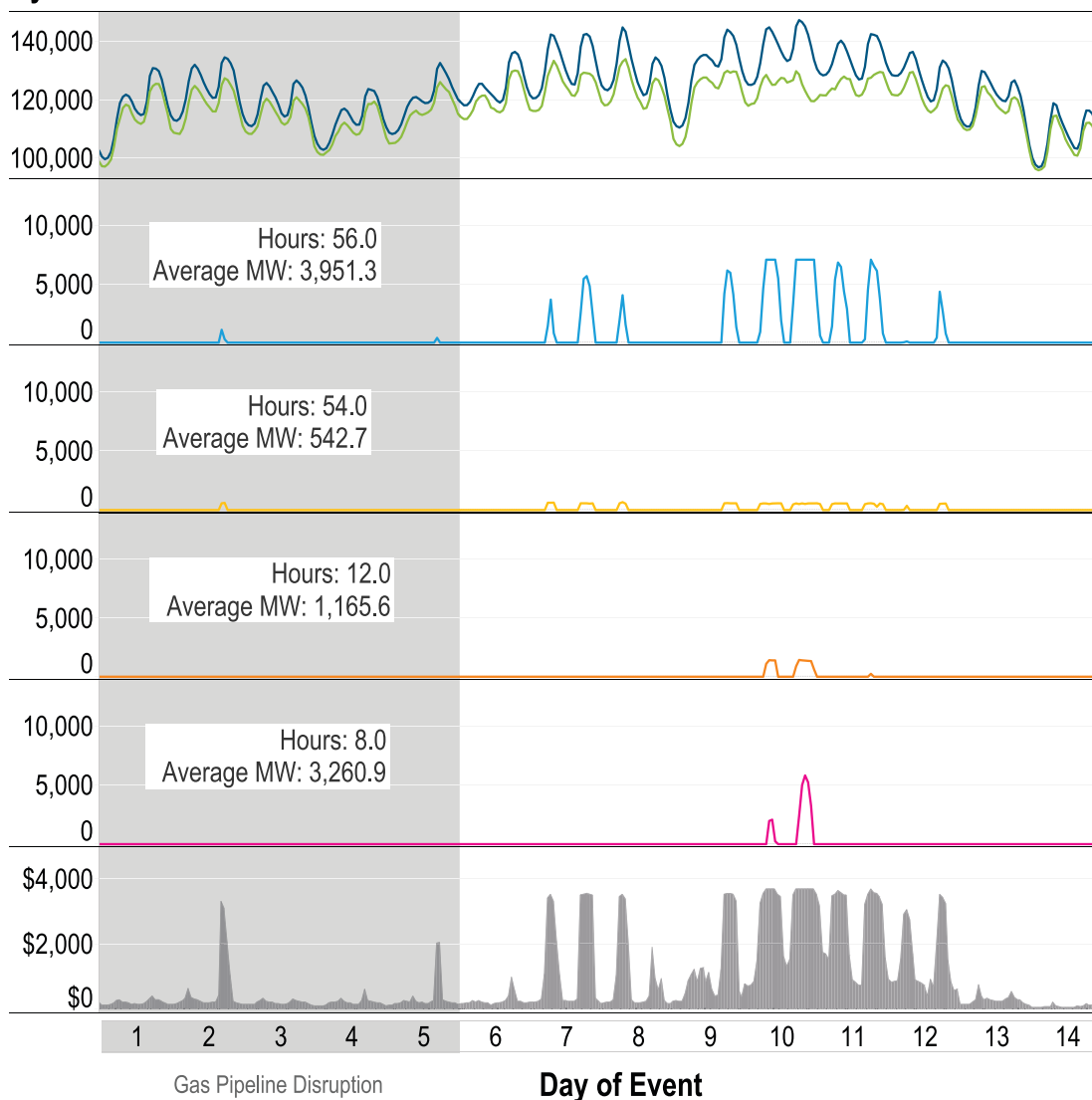
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



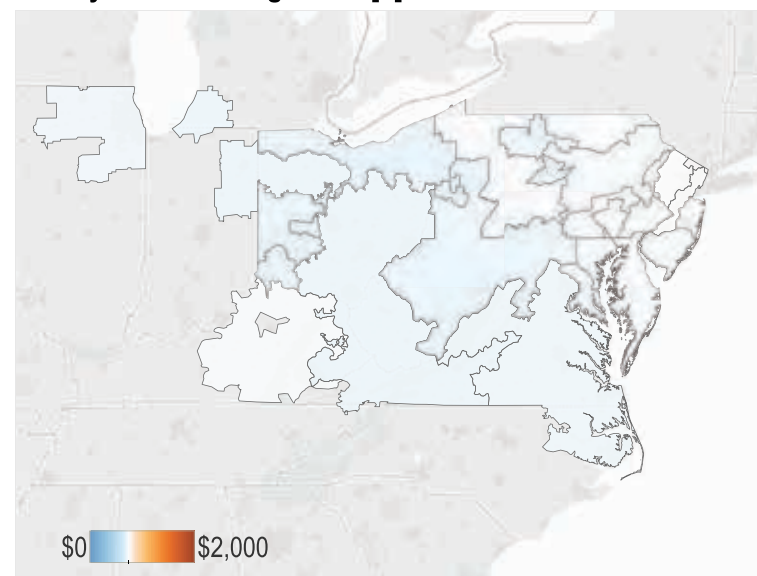
Legend



## Scenario: 277

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.96M

0	0	0	1	2	2	4	8	14	22	27	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

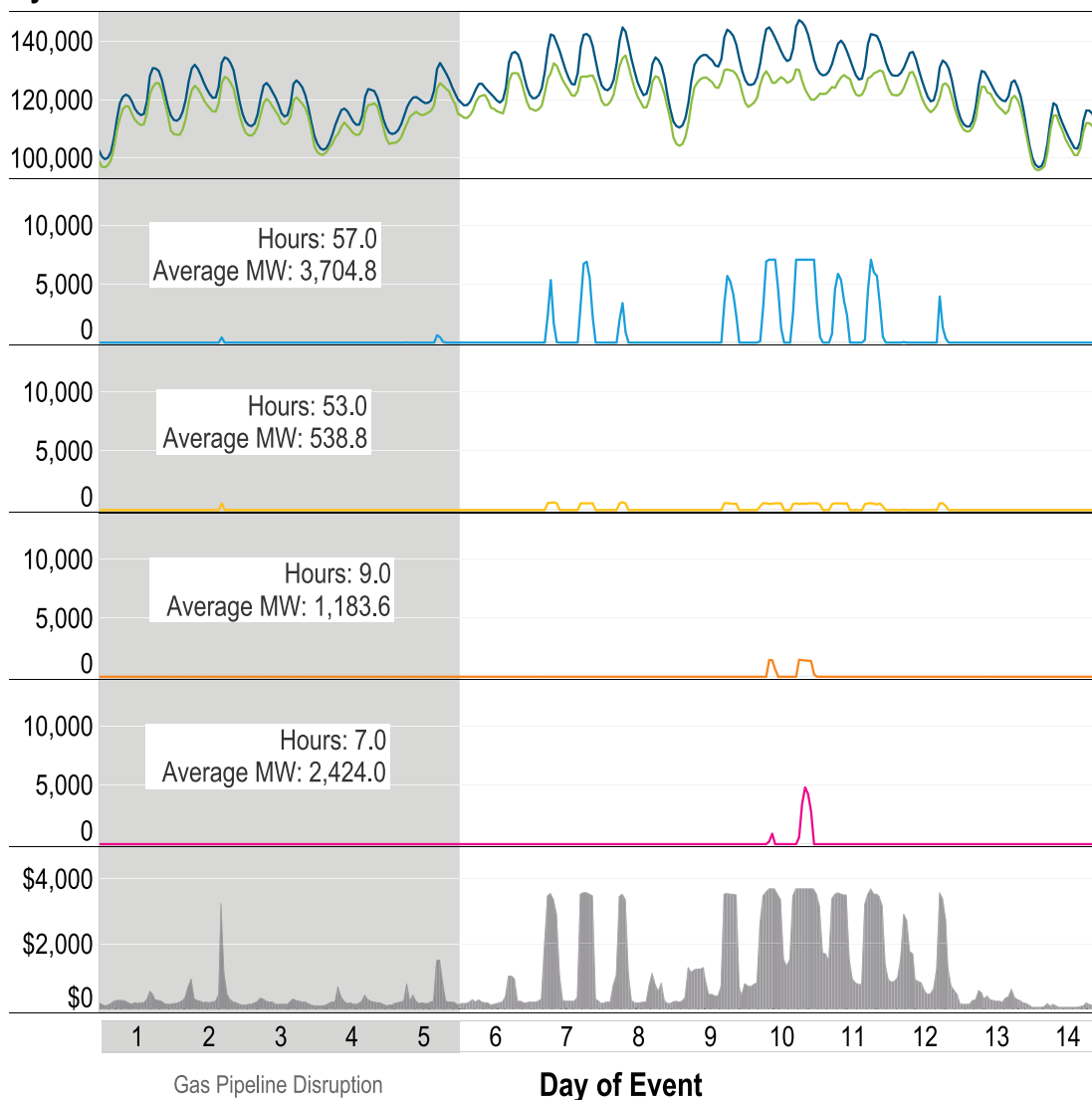
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



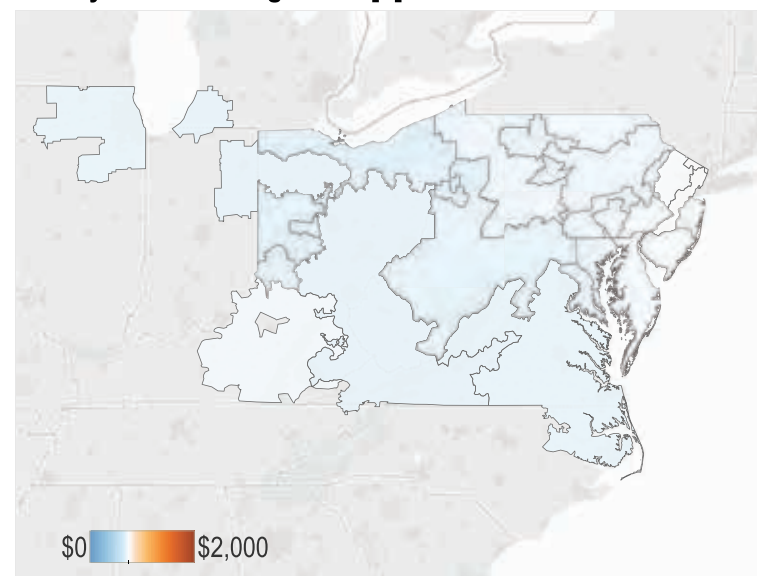
Legend



## Scenario: 278

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 6.76M

0	0	1	3	3	2	4	7	12	22	27	32	12	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

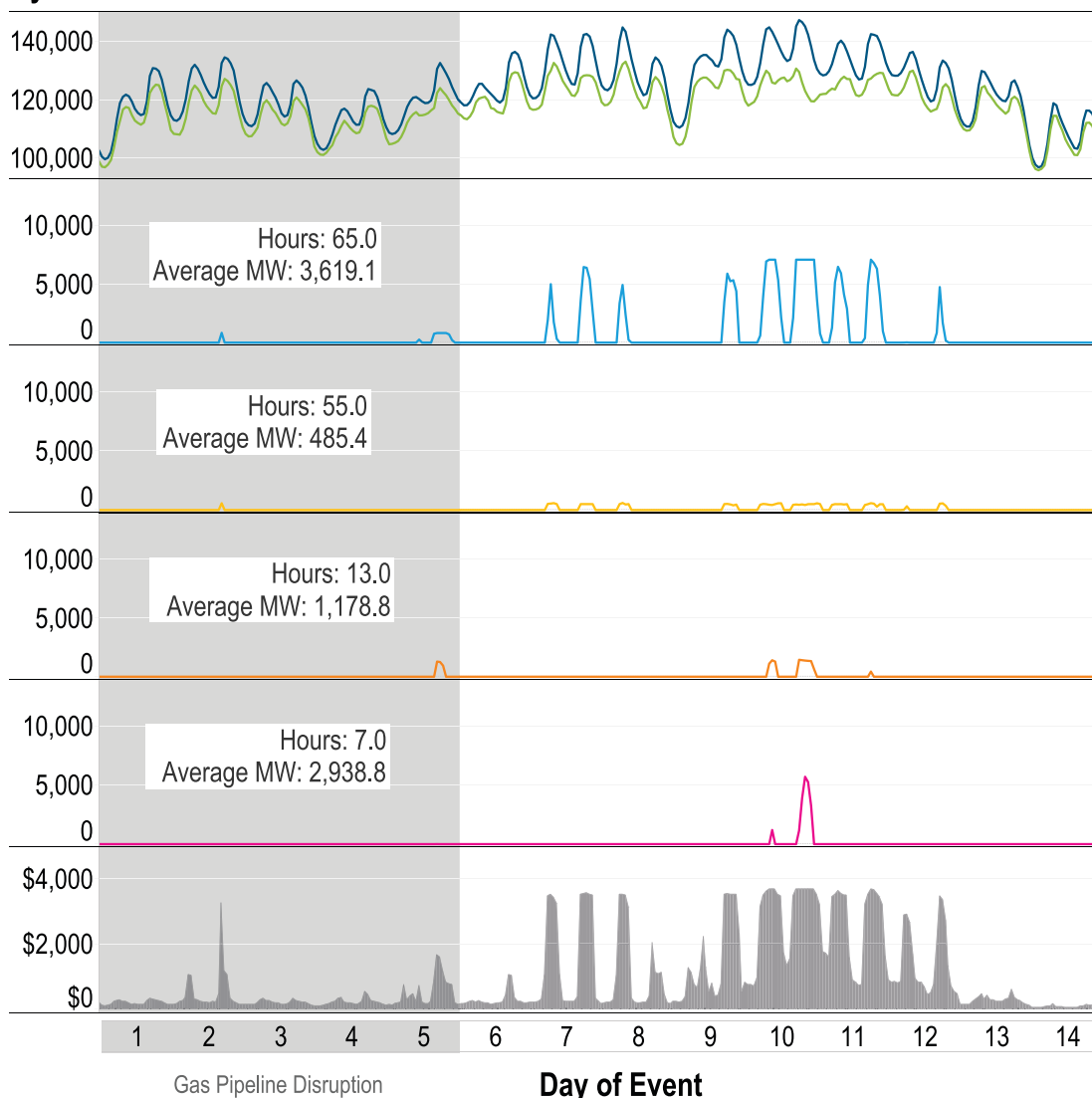
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



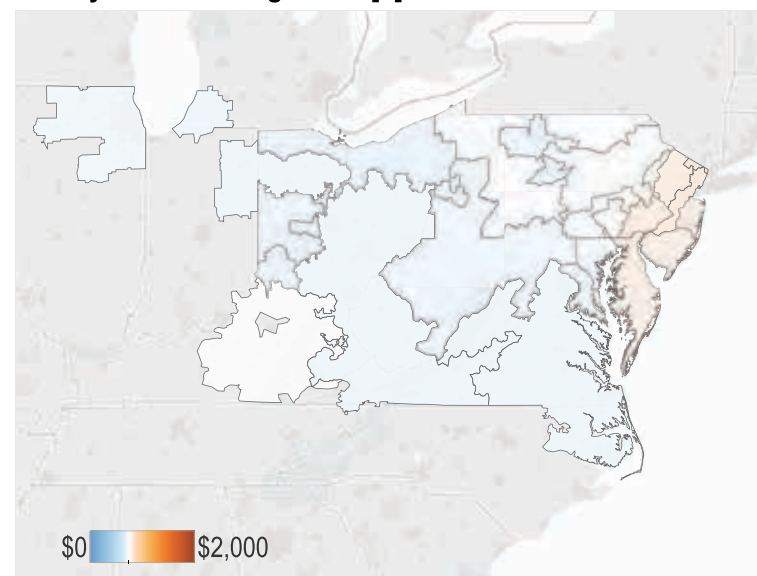
Legend



## Scenario: 279

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 7.05M

0	1	1	2	3	3	5	8	14	23	27	30	10	0
---	---	---	---	---	---	---	---	----	----	----	----	----	---

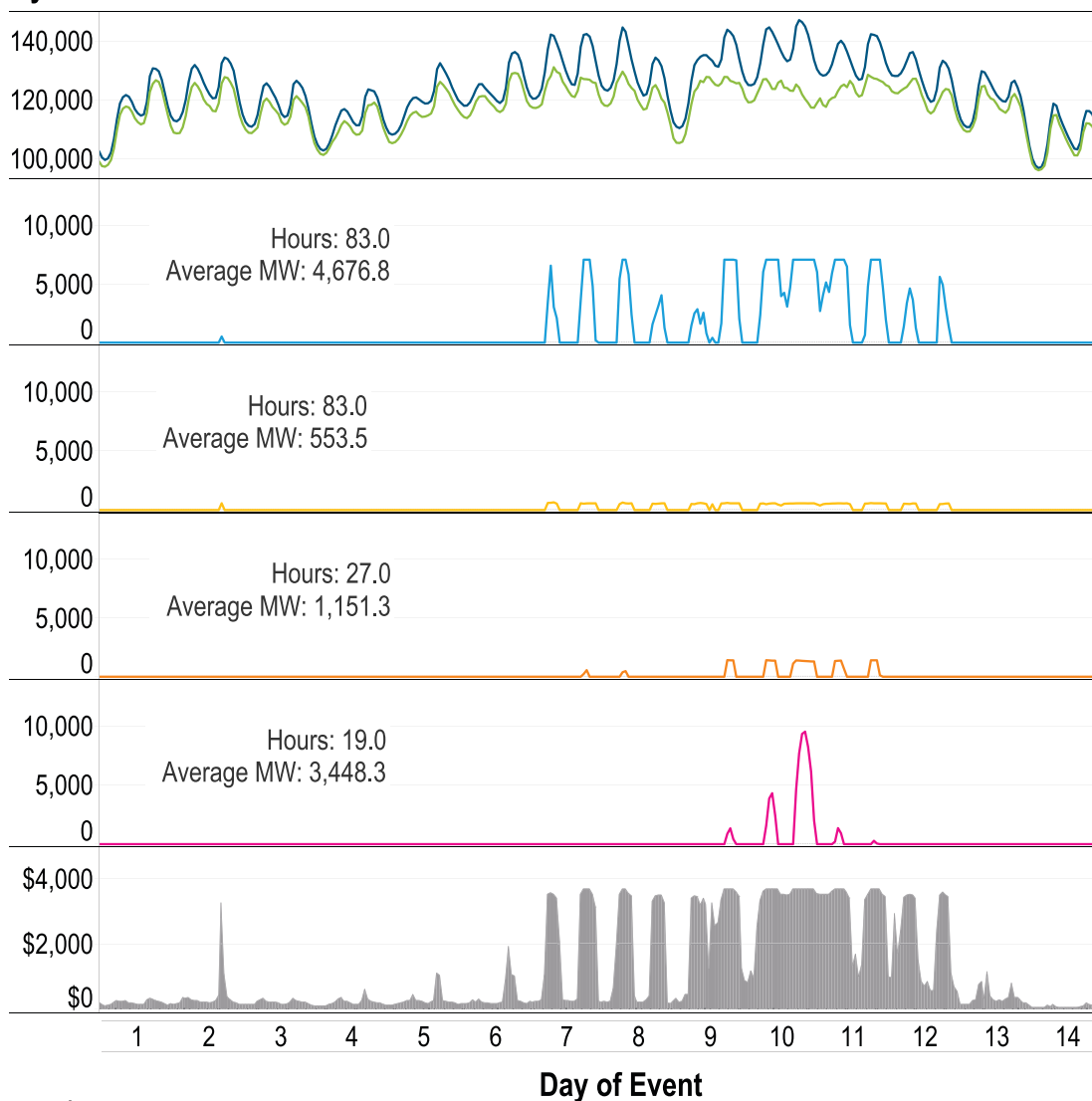
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

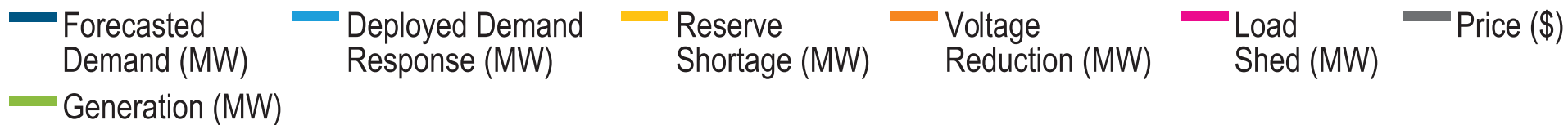
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



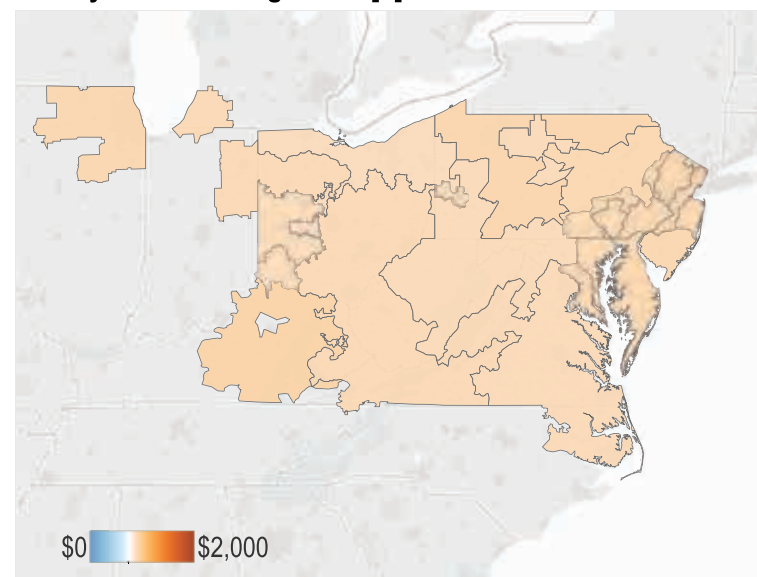
Legend



## Scenario: 280

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.50M

0 6 7 11 15 20 42 60 71 80 86 90 92 70

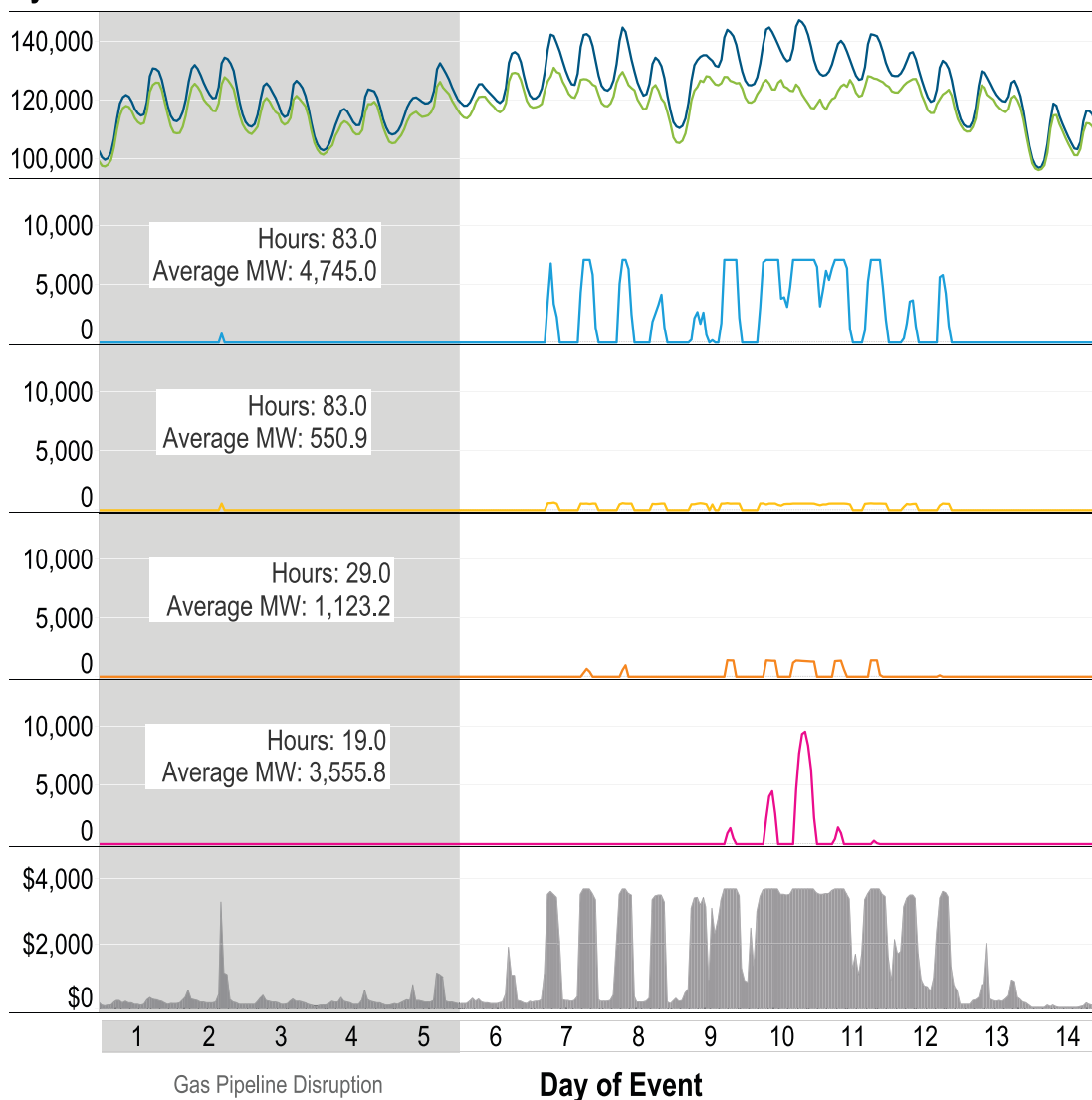
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

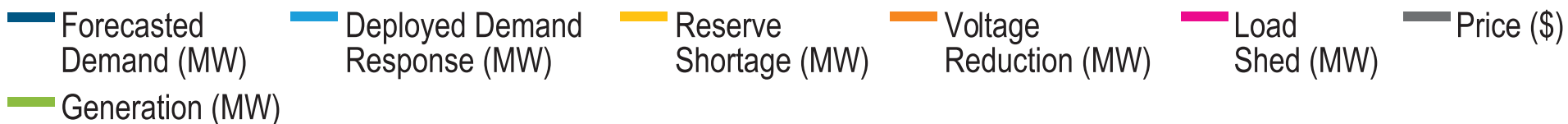
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



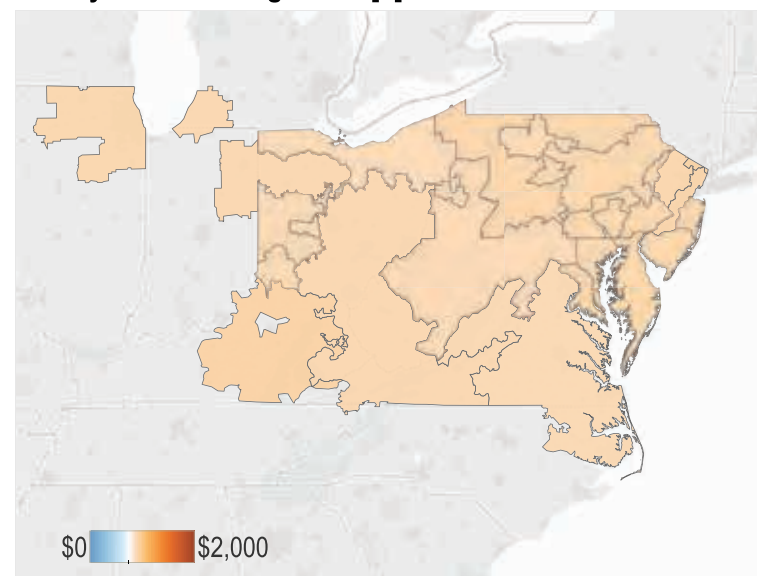
## Legend



## Scenario: 281

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 5.51M

0	7	9	12	16	21	48	63	75	83	87	92	93	71
---	---	---	----	----	----	----	----	----	----	----	----	----	----

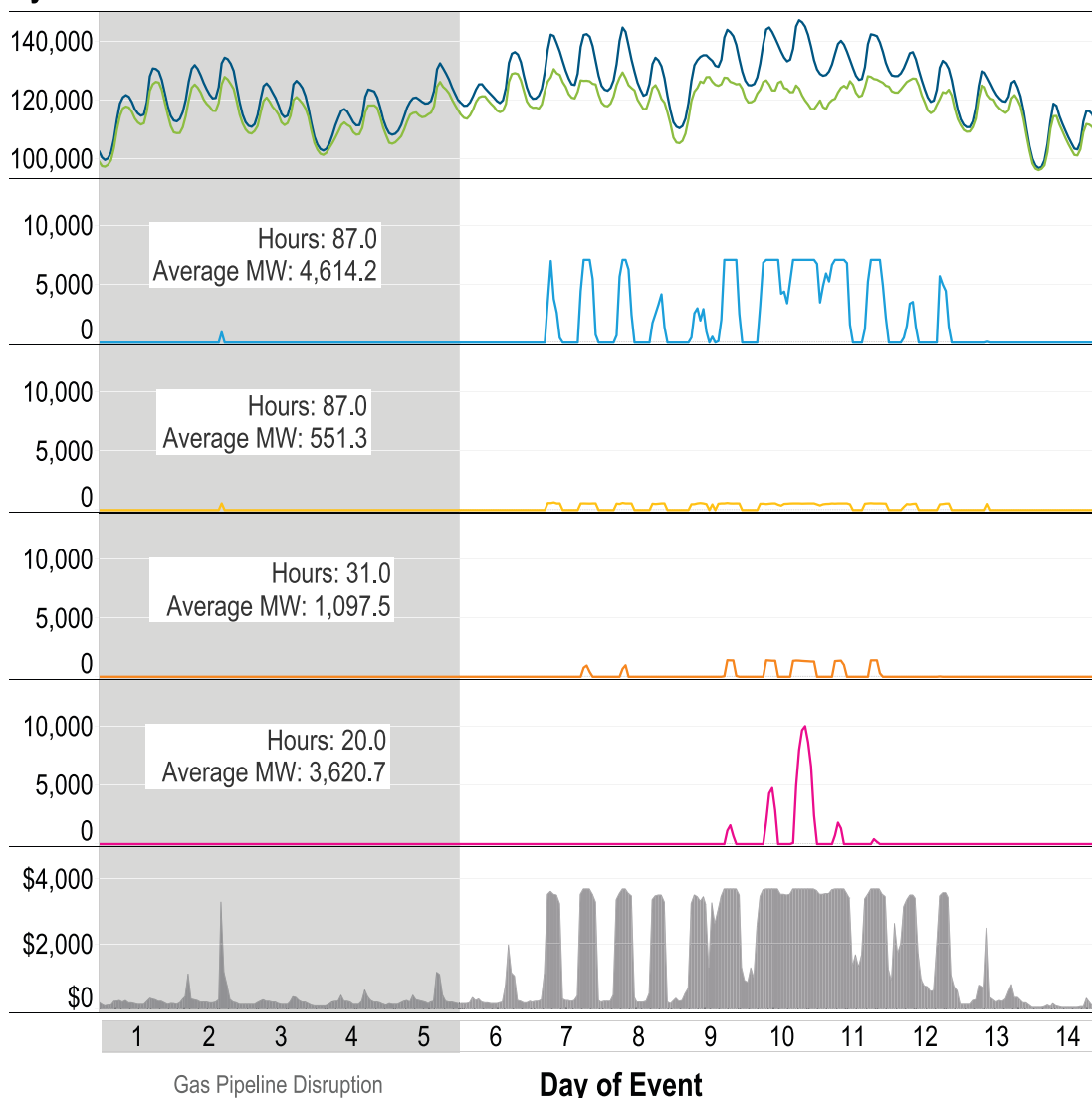
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



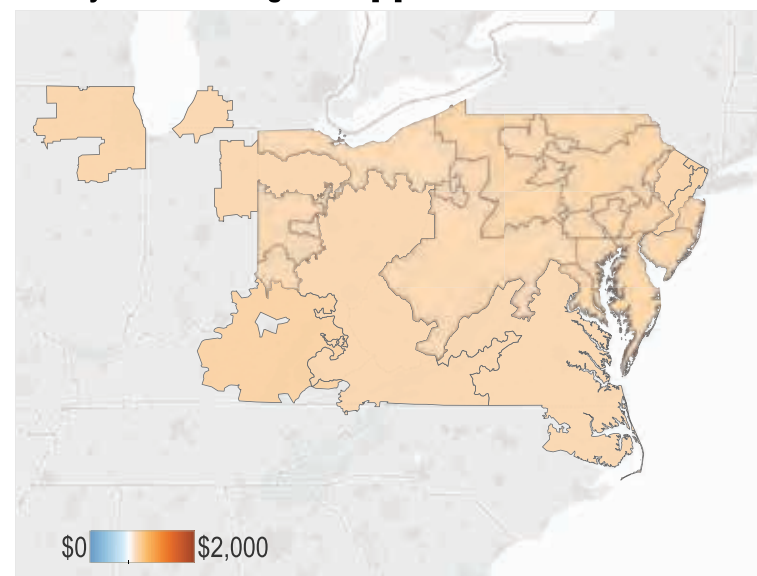
Legend



## Scenario: 282

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.58M

0 7 9 12 18 21 46 61 73 81 88 91 92 70

1 2 3 4 5 6 7 8 9 10 11 12 13 14

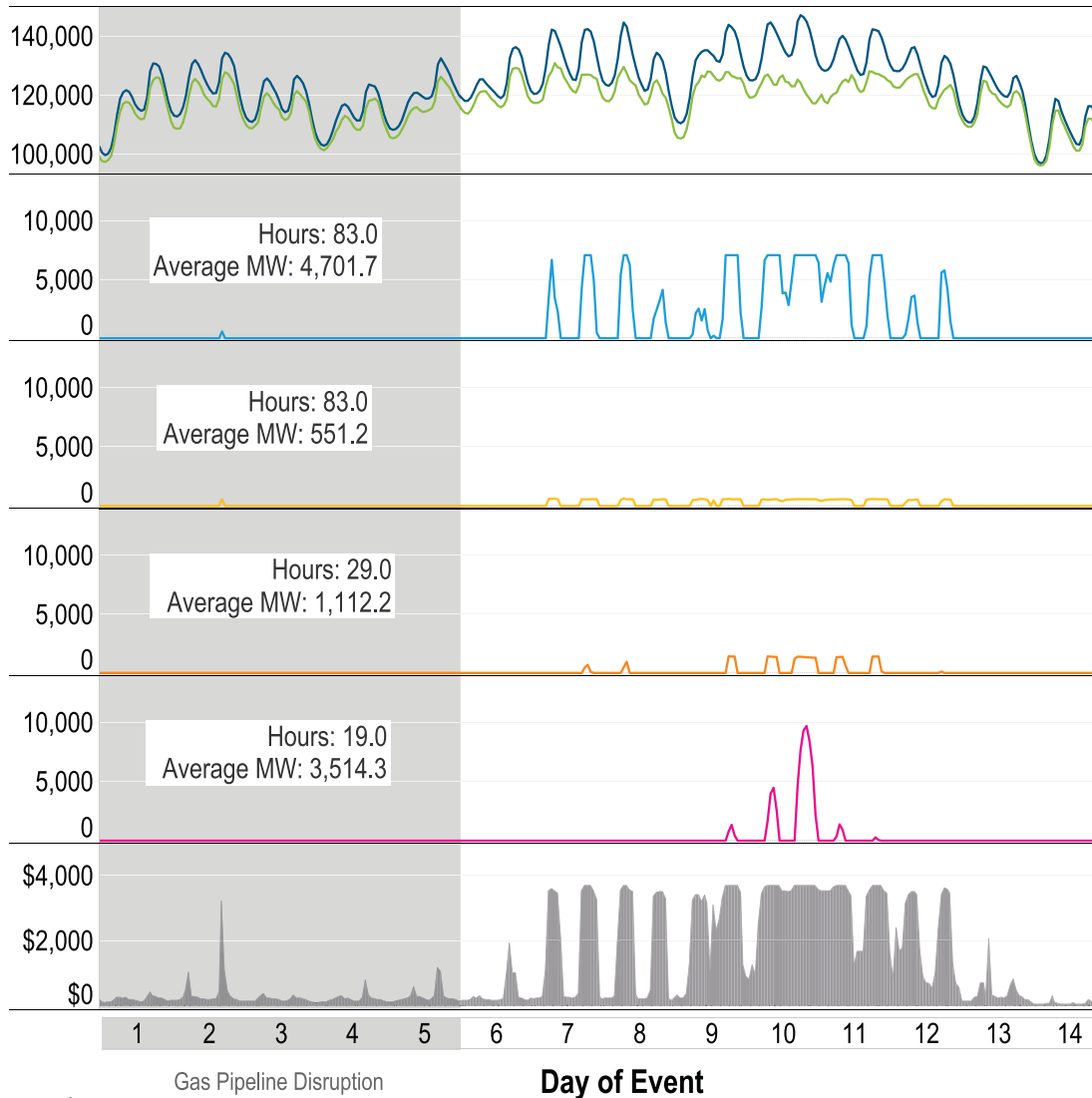
\*141 Total Sites

Day of Event

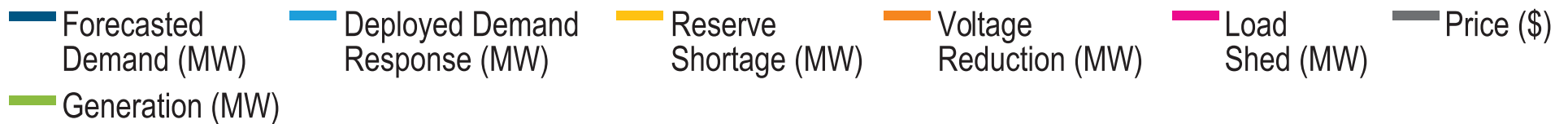
Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



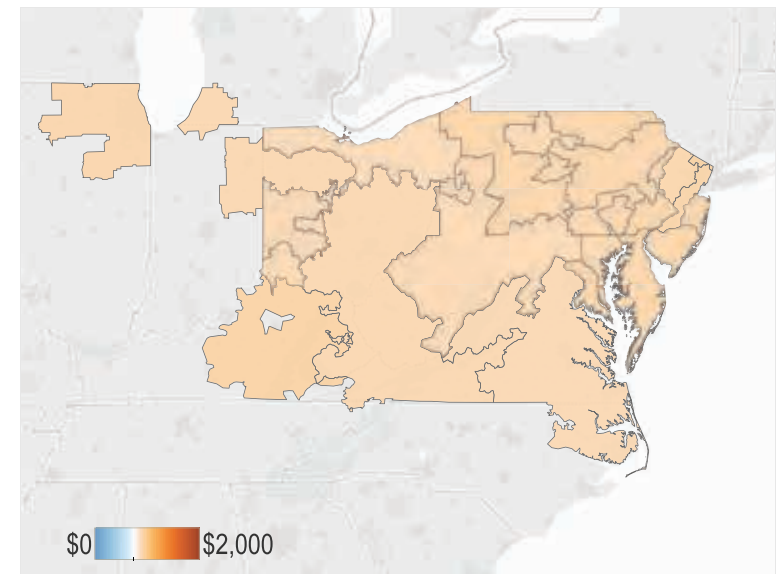
Legend



## Scenario: 283

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 5.55M



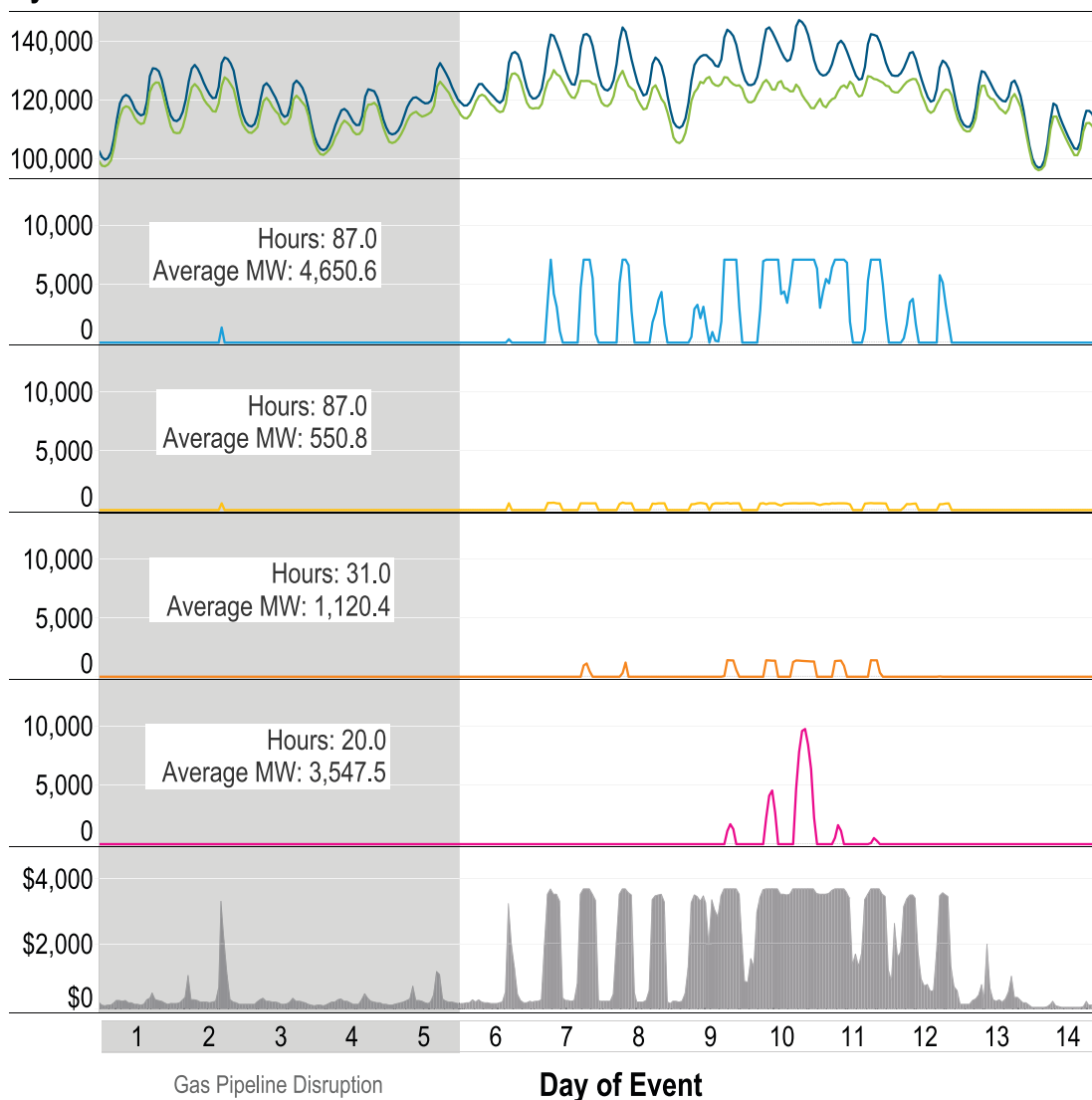
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



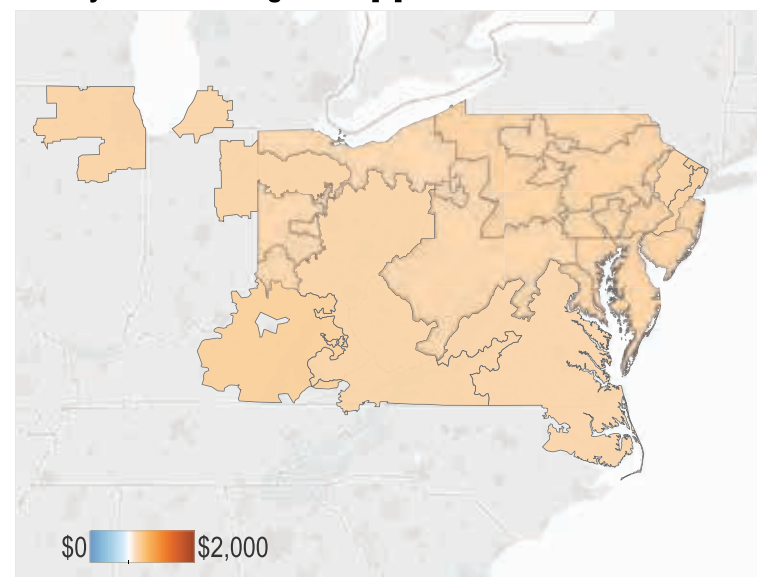
Legend



## Scenario: 284

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.56M

0	7	9	12	18	20	47	61	75	82	86	91	92	70
---	---	---	----	----	----	----	----	----	----	----	----	----	----

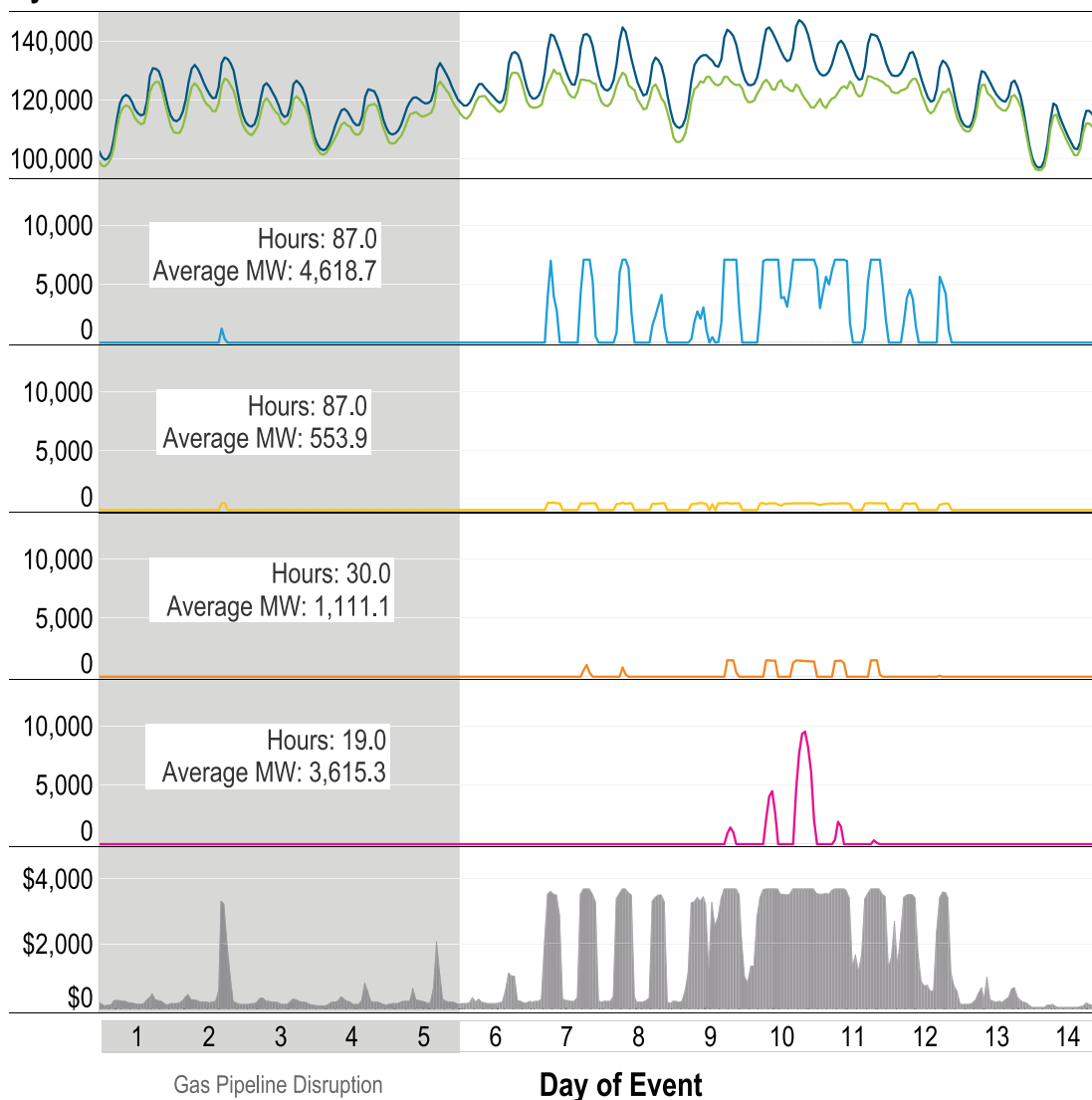
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



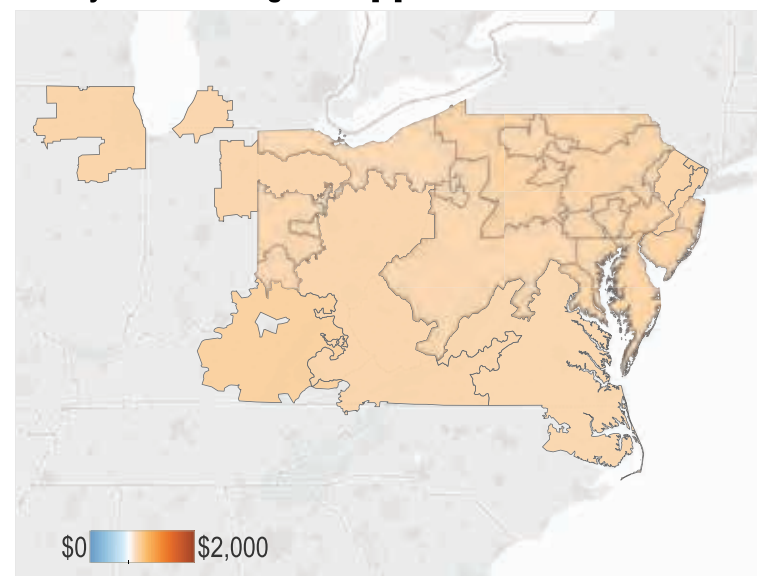
Legend



## Scenario: 285

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.58M

0 7 9 13 18 22 47 63 74 81 87 93 92 70

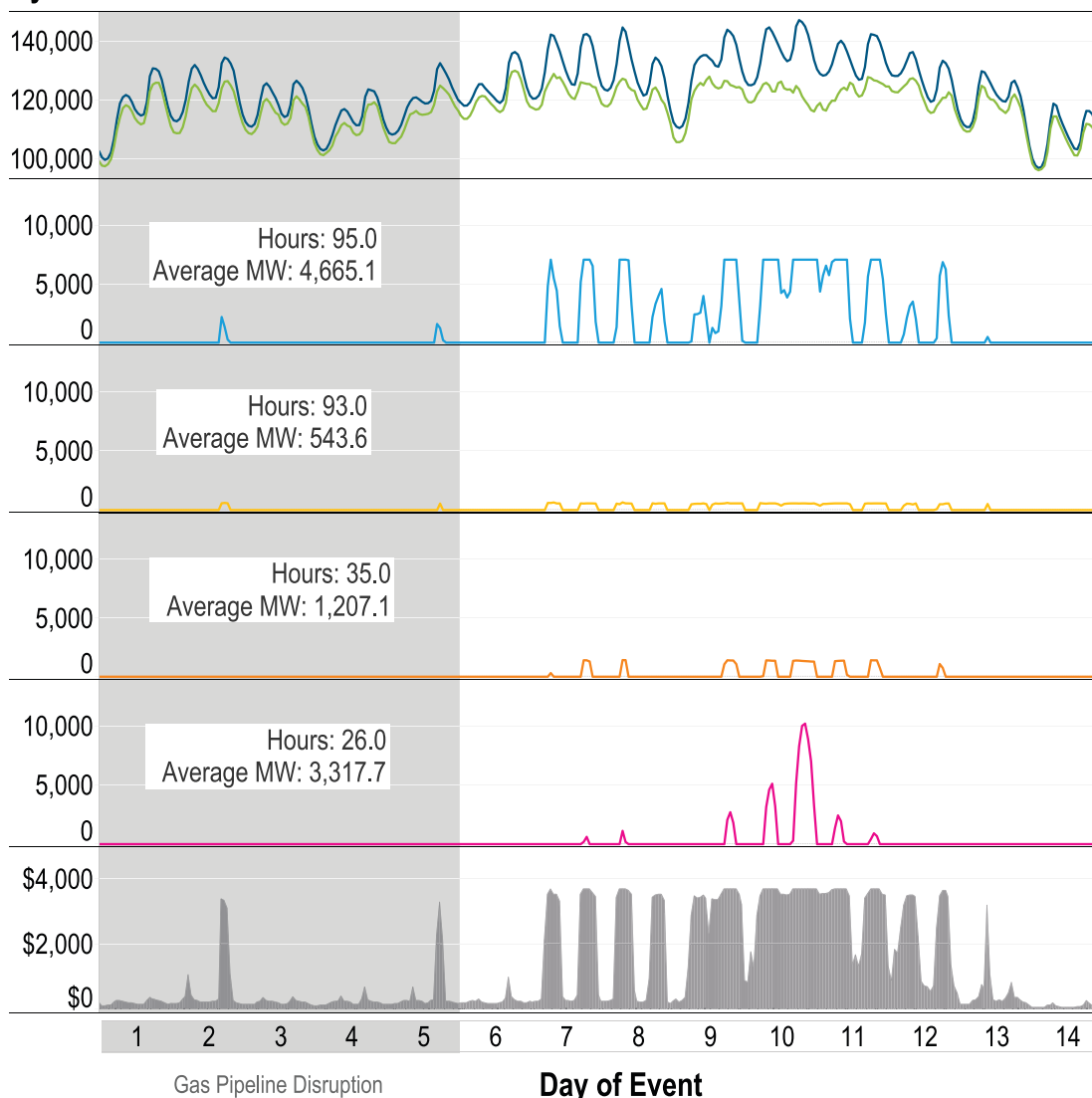
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



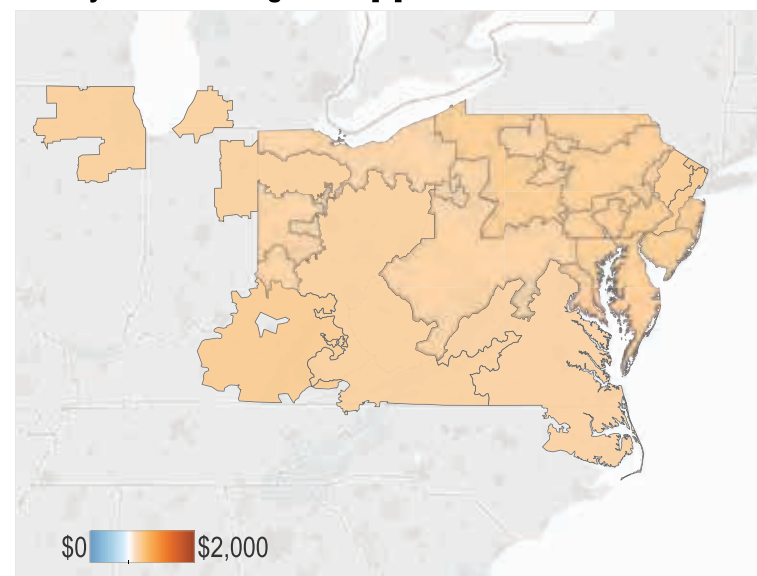
Legend



## Scenario: 286

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.69M

0 9 10 15 17 24 53 63 76 83 87 92 92 70

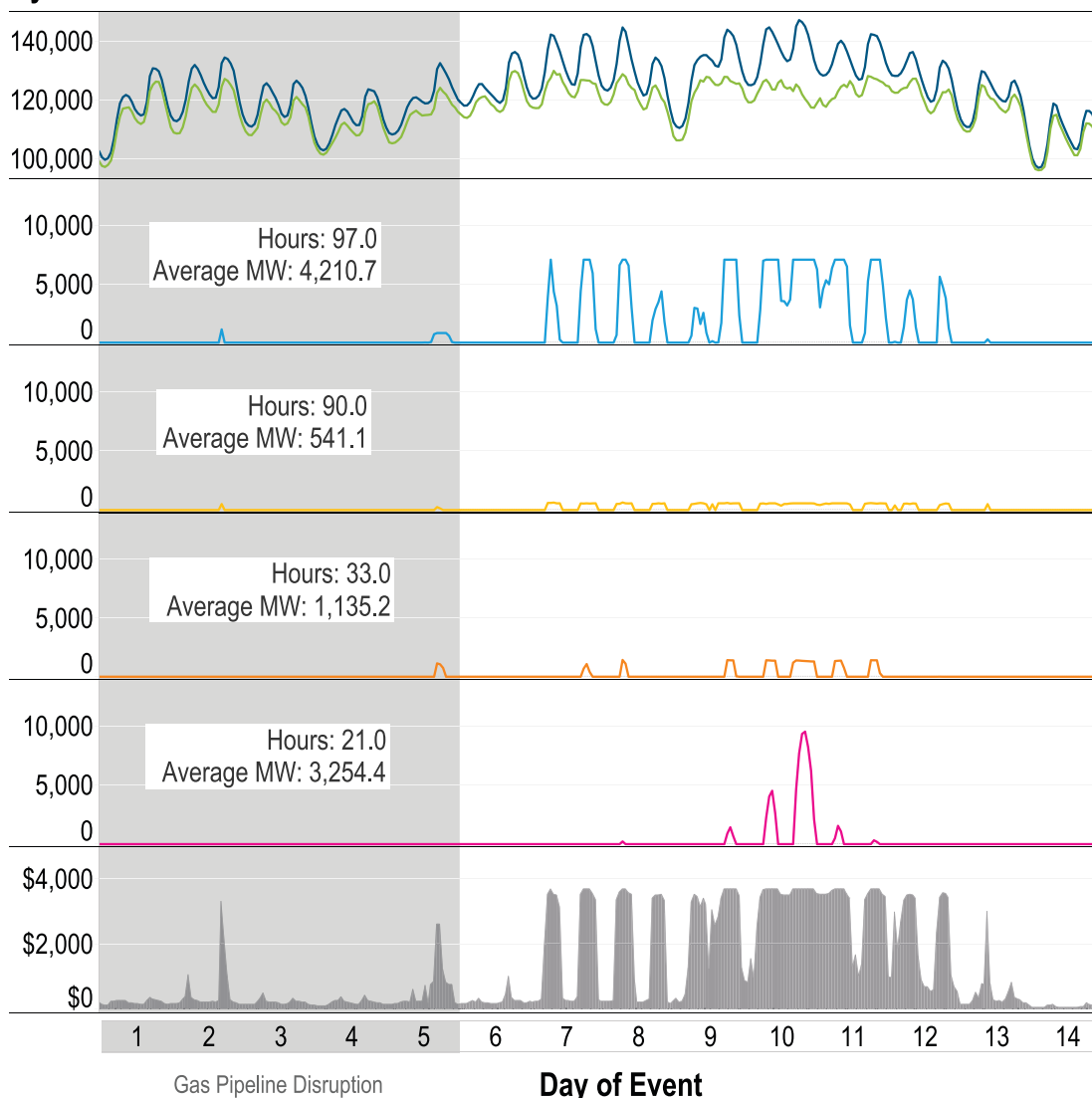
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



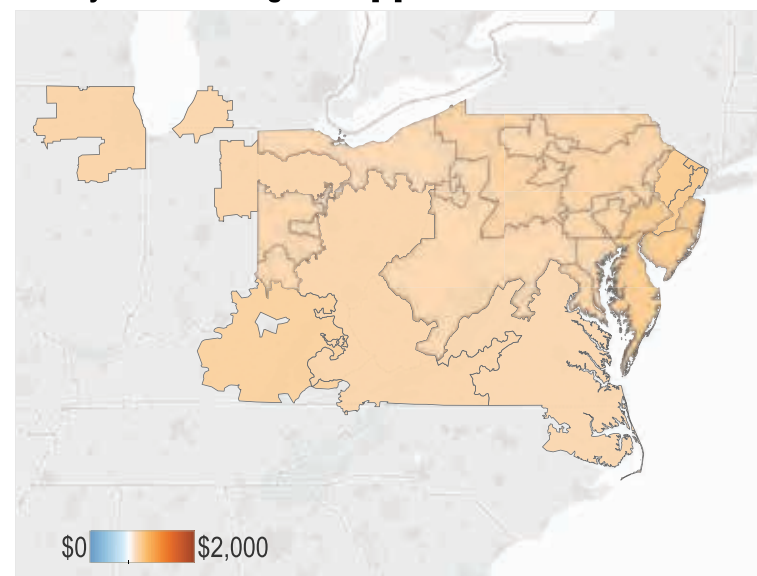
Legend



## Scenario: 287

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.63M

0	8	9	13	16	21	49	64	74	81	86	91	91	70
---	---	---	----	----	----	----	----	----	----	----	----	----	----

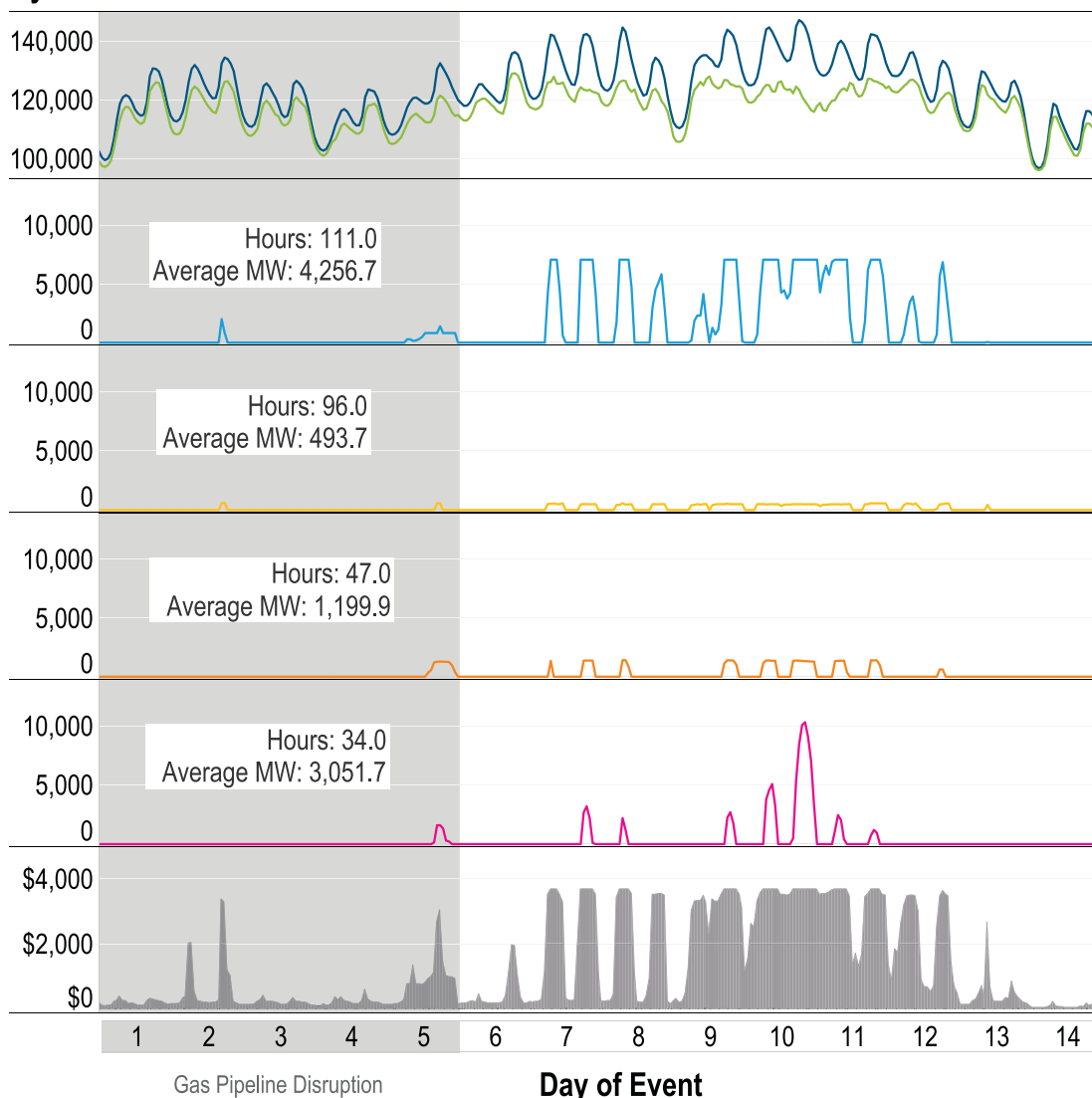
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



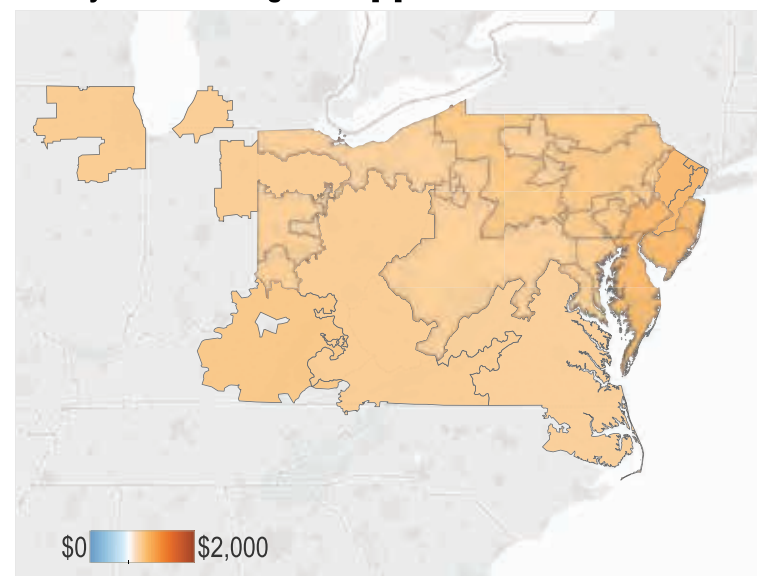
Legend



## Scenario: 288

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Economic

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 5.83M

0 9 10 17 30 41 61 69 78 85 91 95 93 71

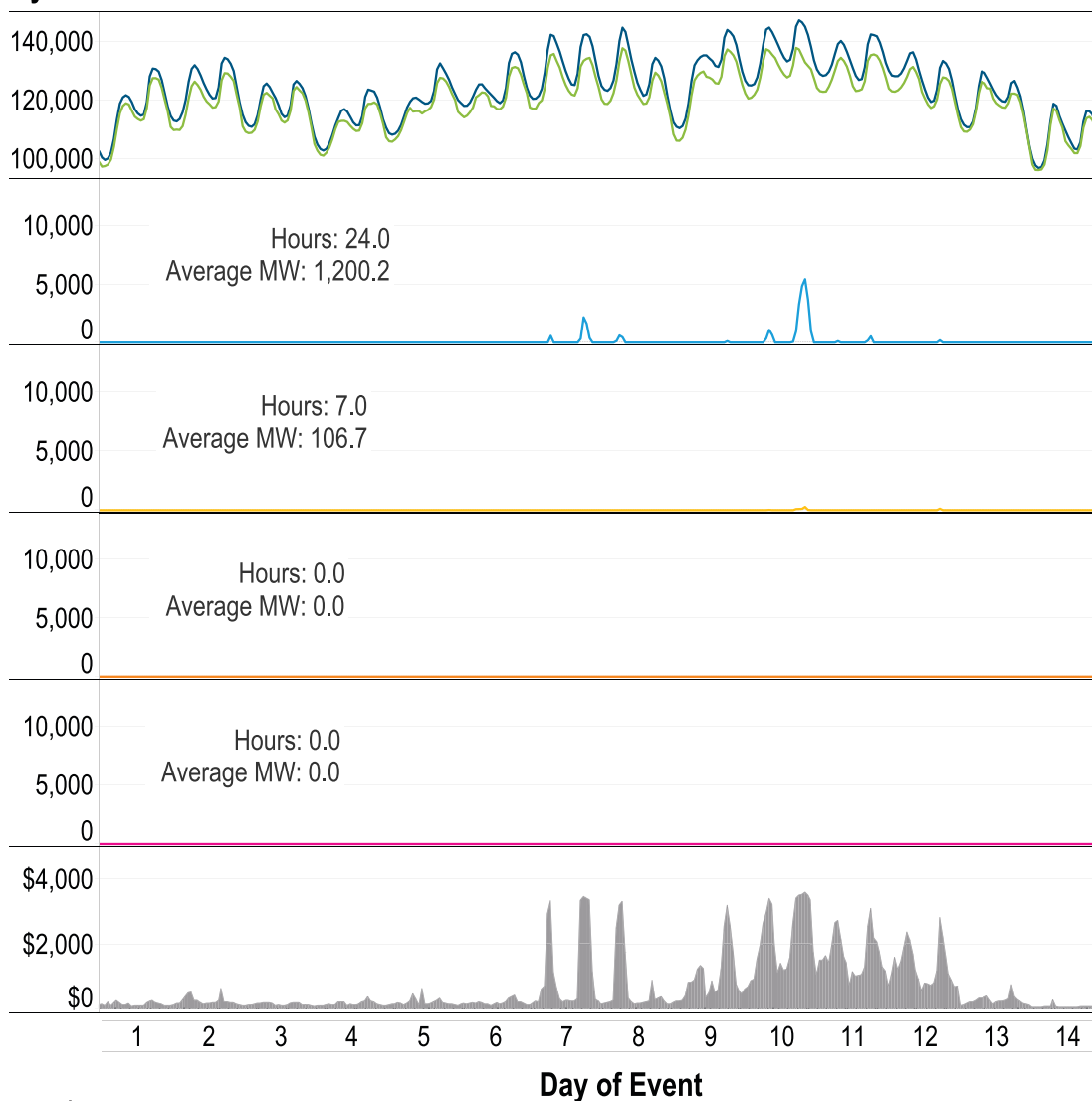
1 2 3 4 5 6 7 8 9 10 11 12 13 14

\*141 Total Sites

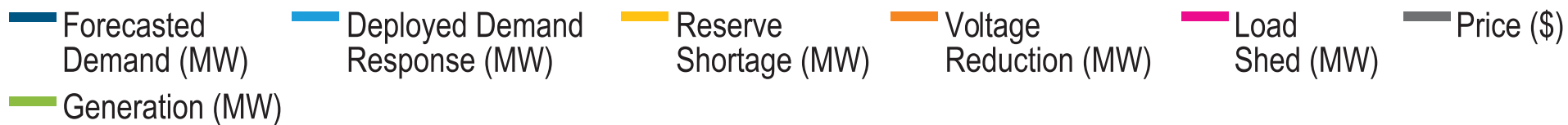
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



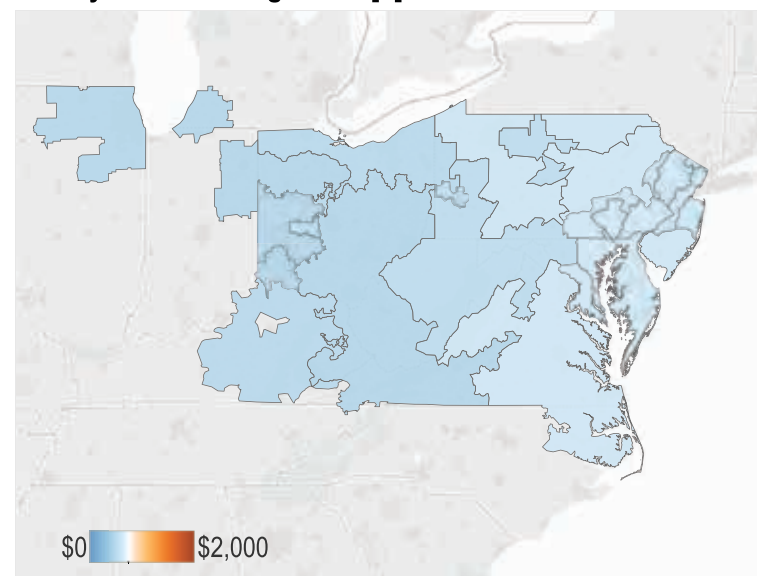
Legend



## Scenario: 289

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.33M



1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

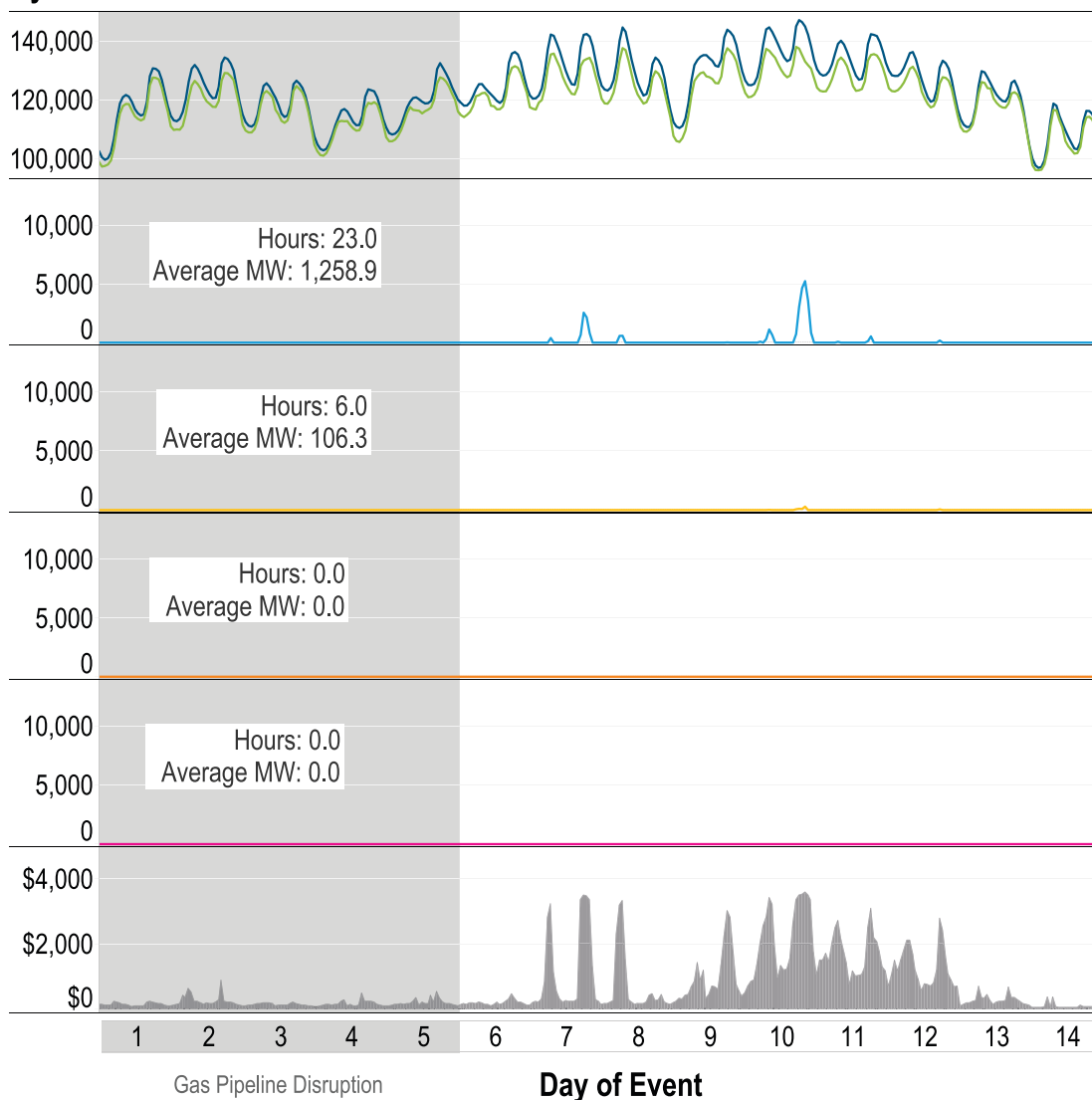
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



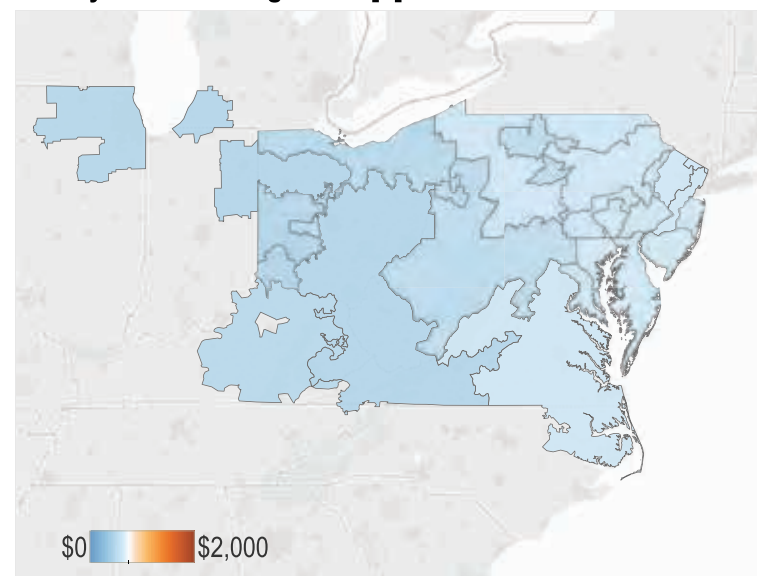
Legend



## Scenario: 290

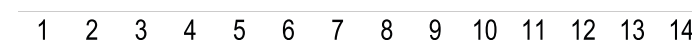
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.32M



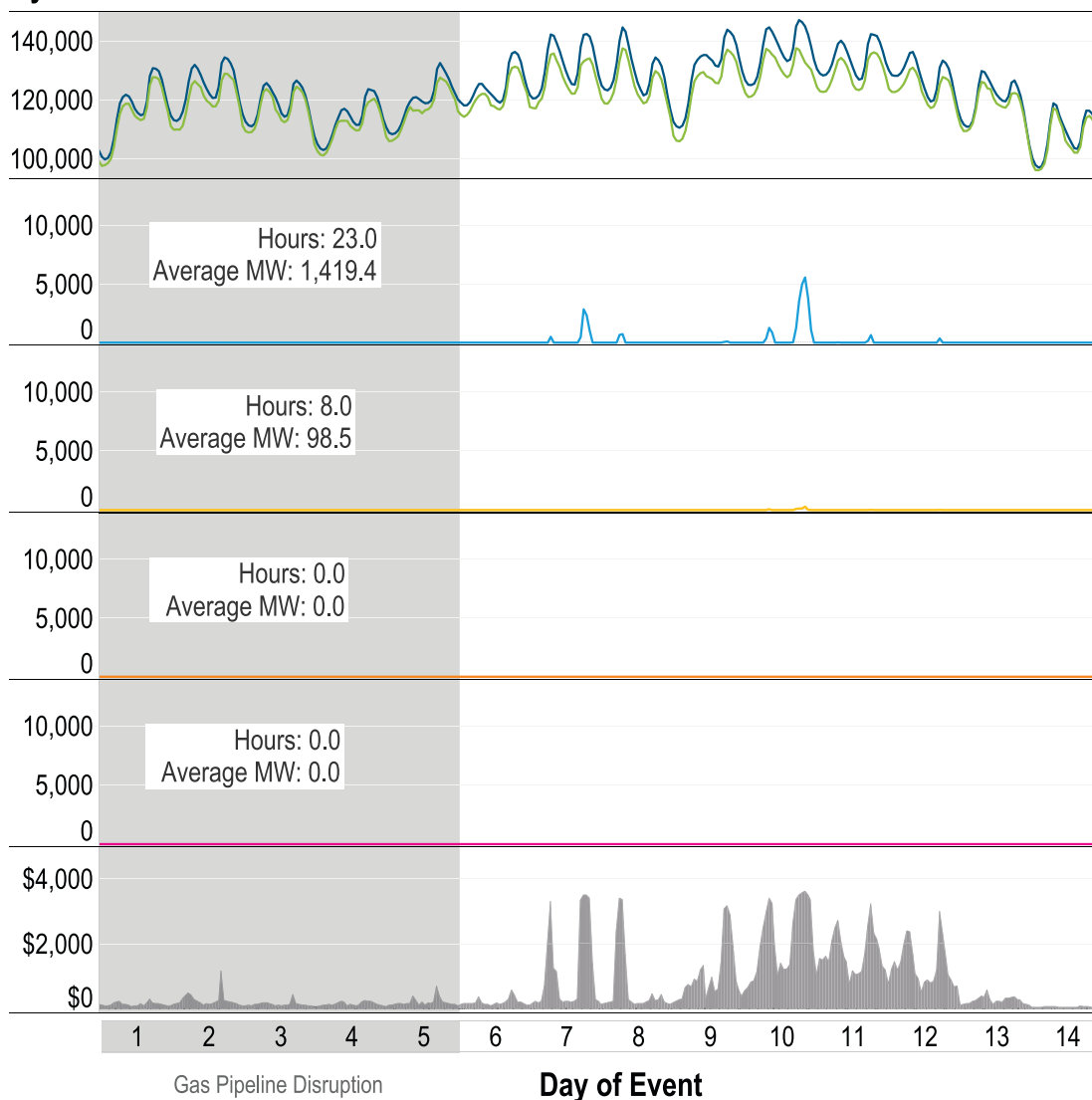
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



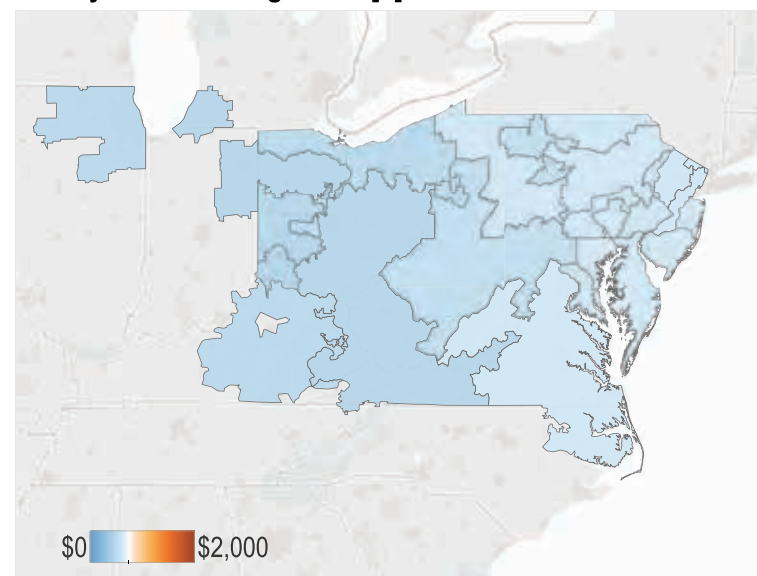
Legend



## Scenario: 291

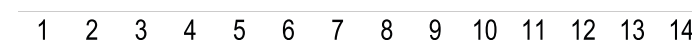
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.38M

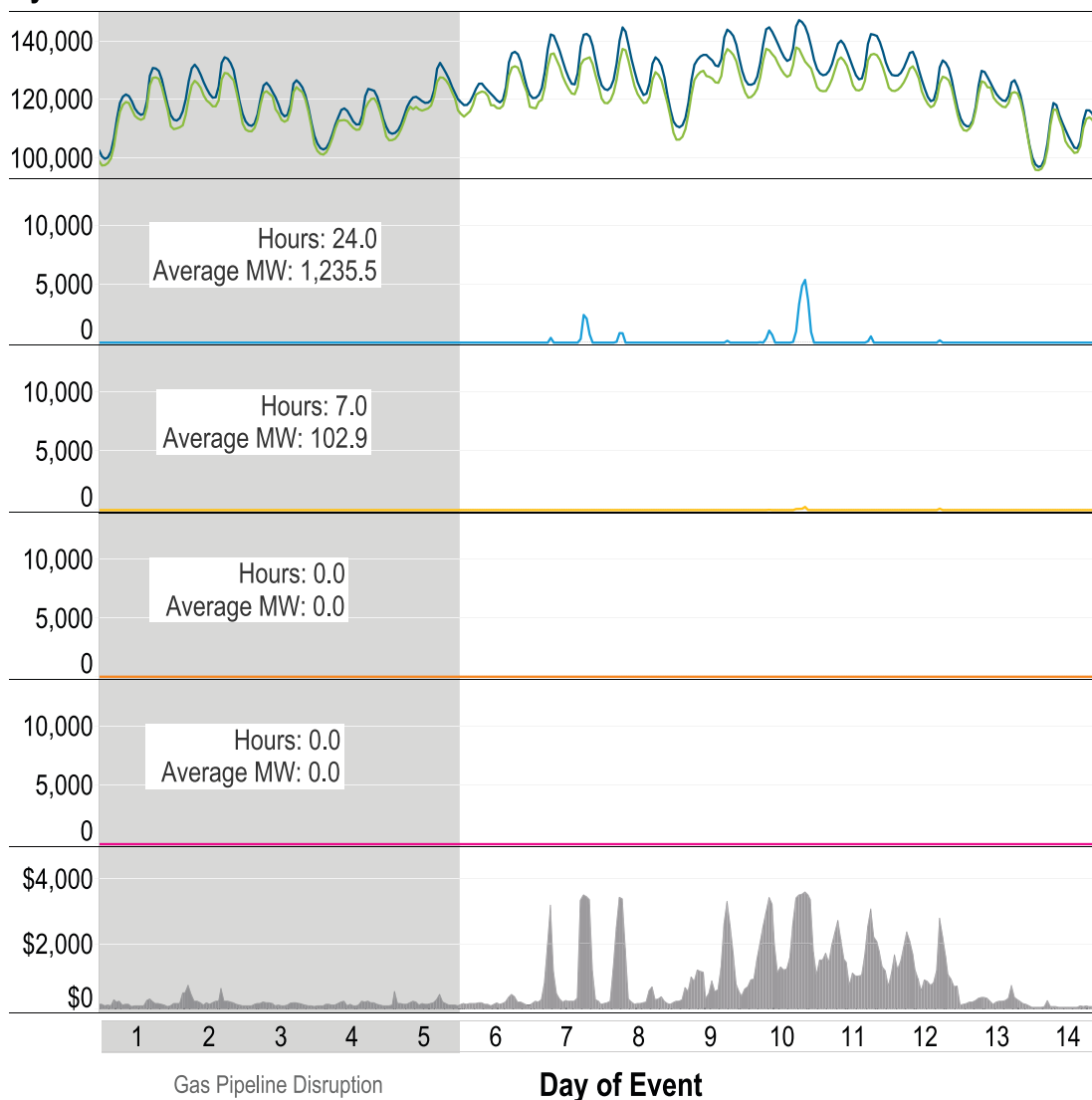


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



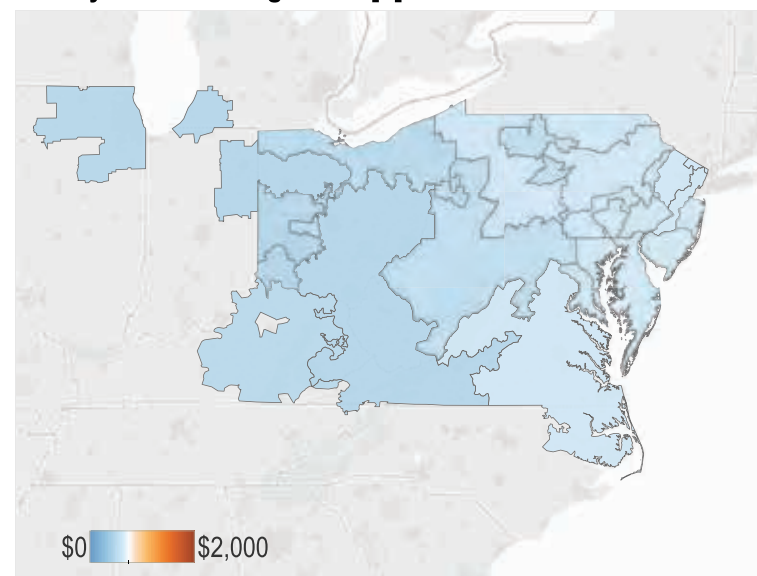
Legend



## Scenario: 292

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.34M

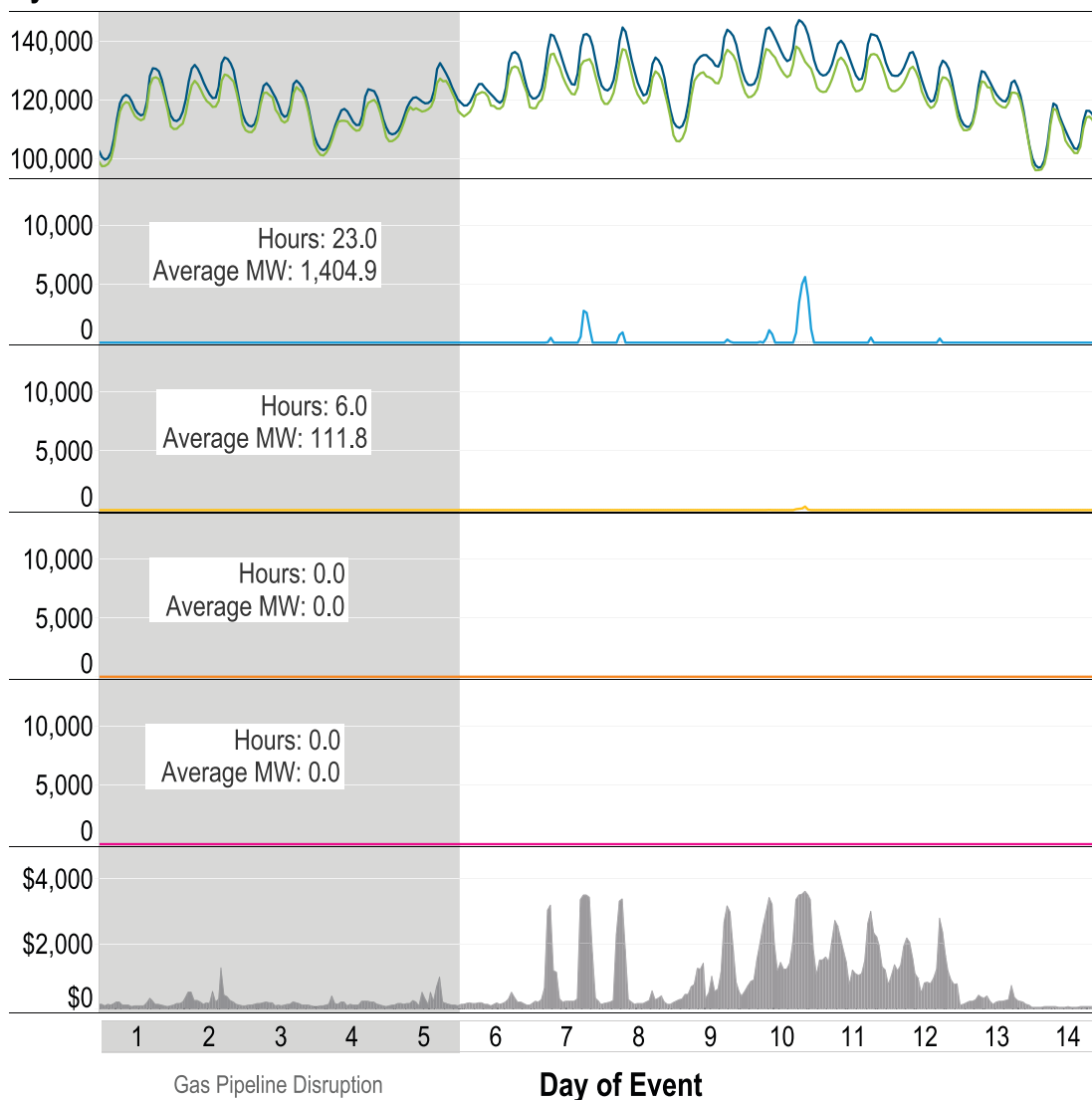


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



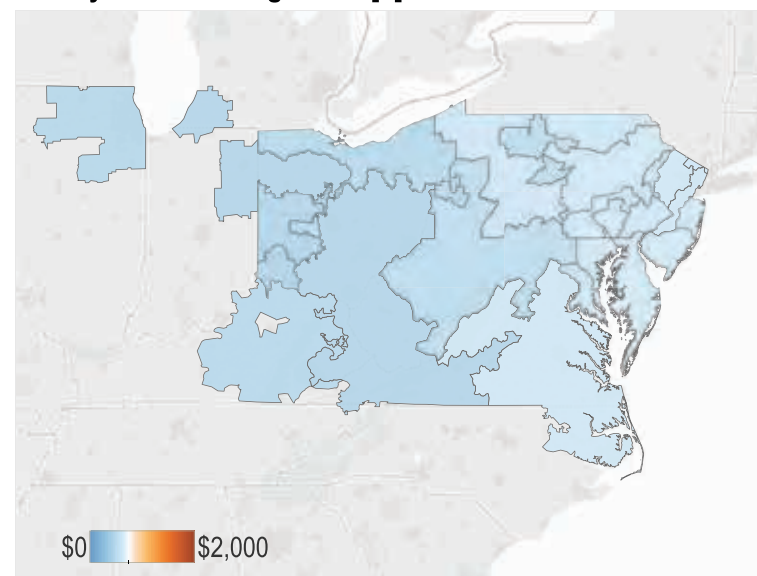
Legend



## Scenario: 293

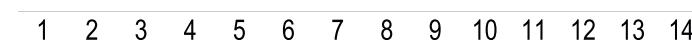
Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.45M

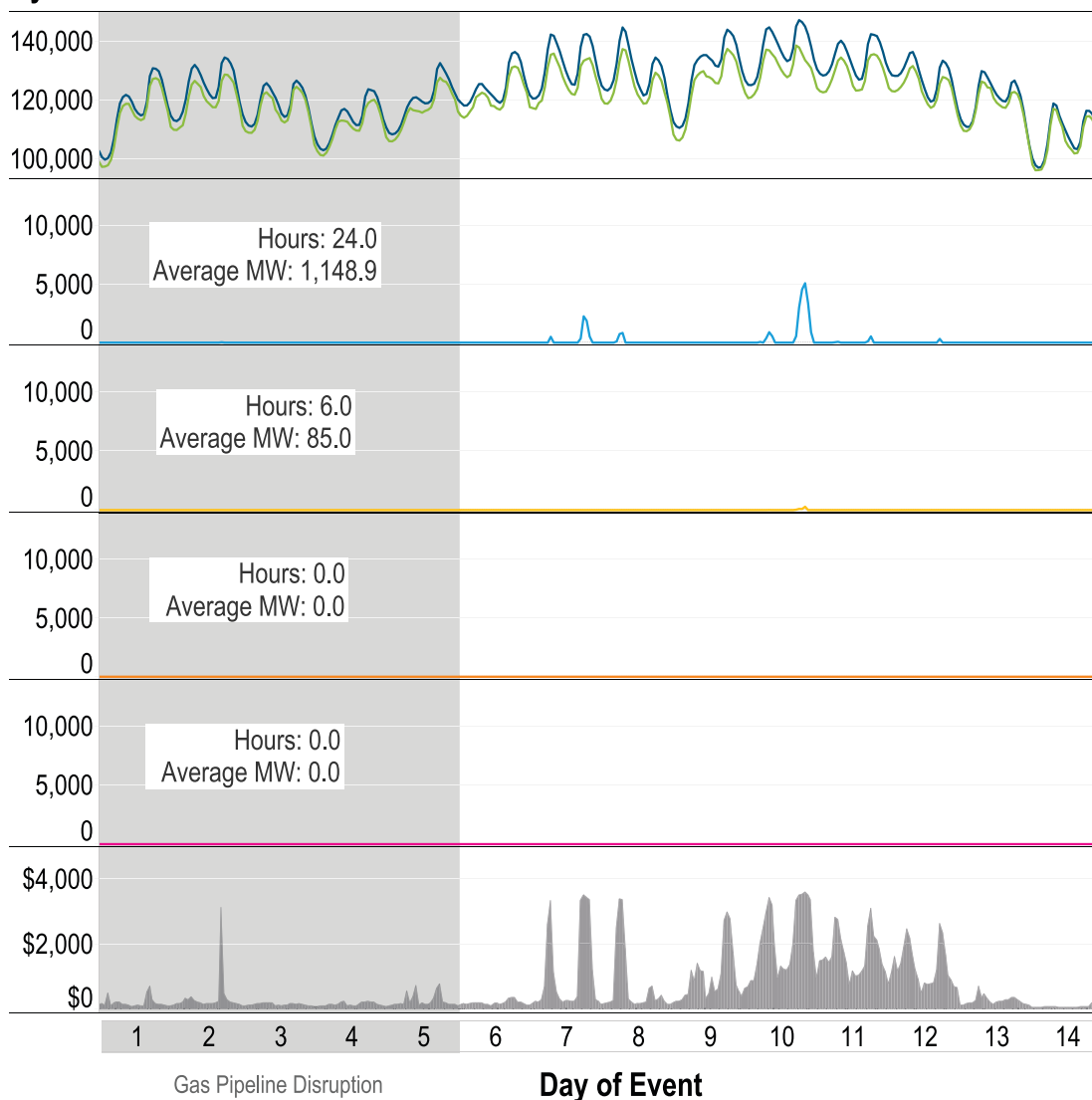


\*141 Total Sites

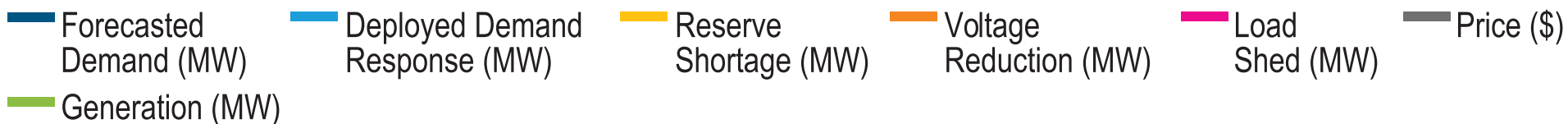
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



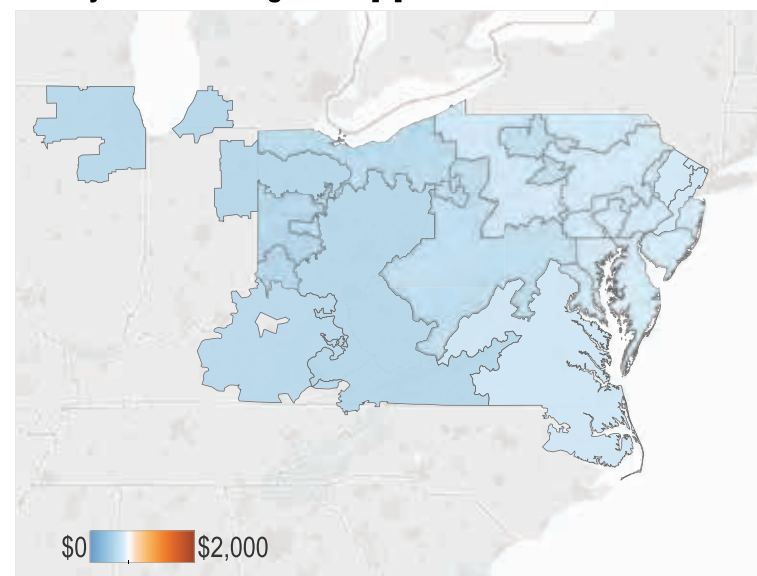
Legend



## Scenario: 294

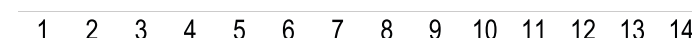
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.35M

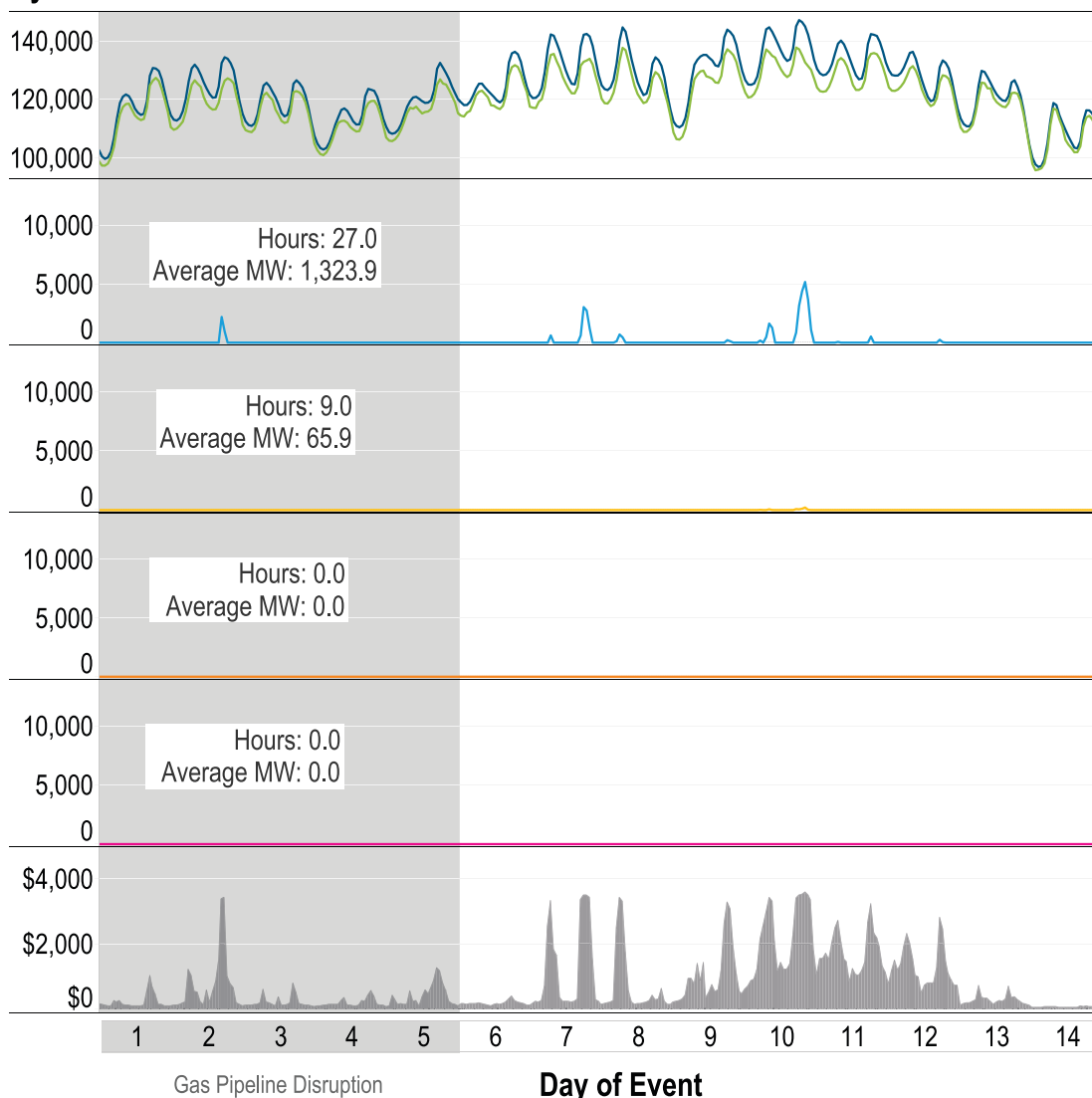


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



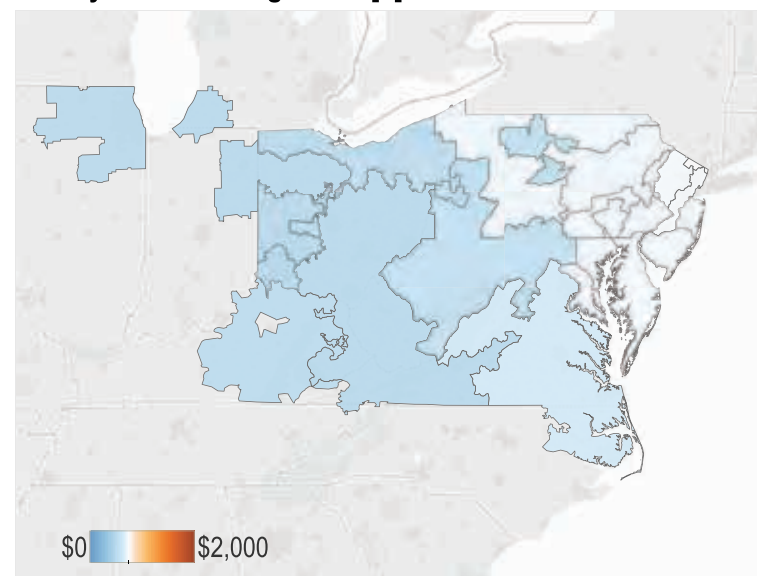
Legend



## Scenario: 295

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.46M



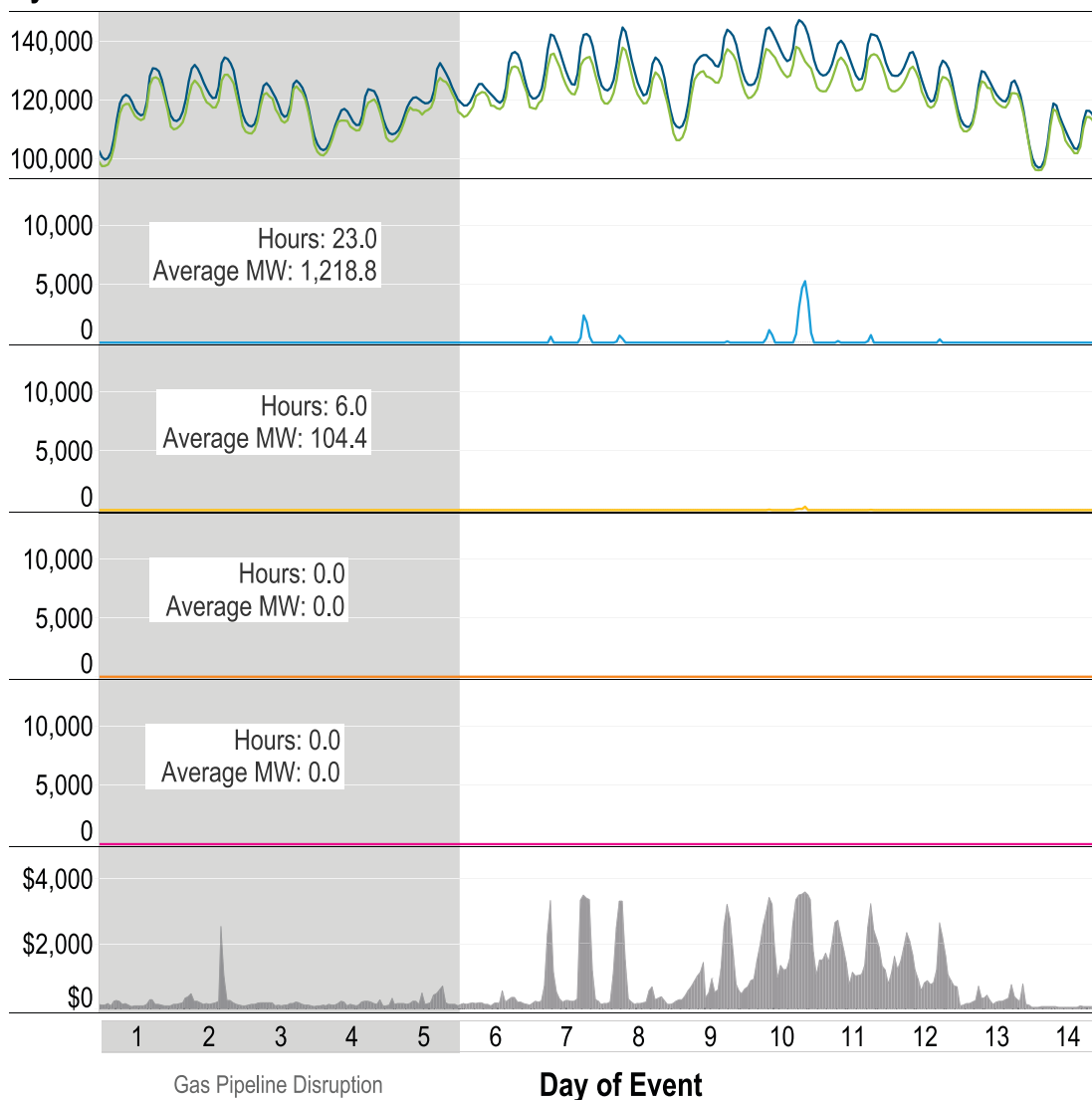
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



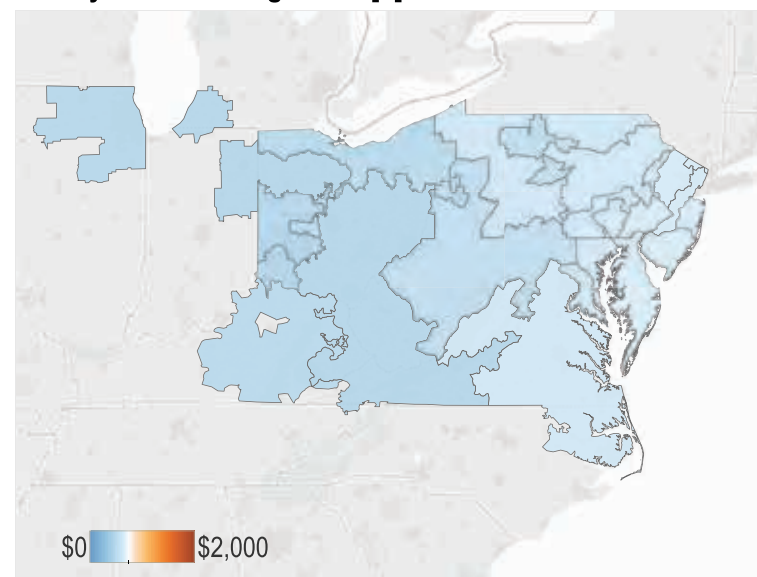
Legend



## Scenario: 296

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.36M



1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

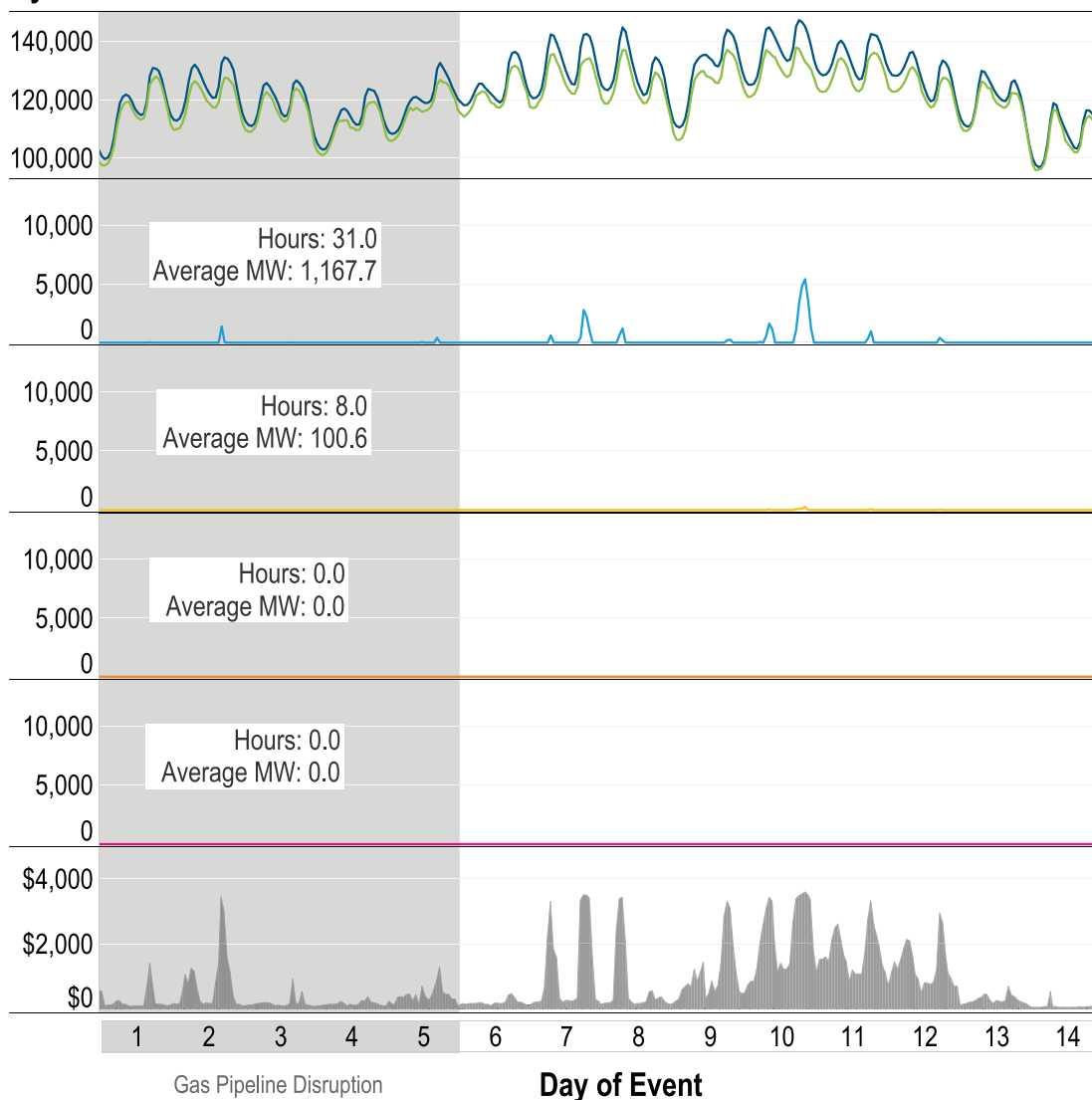
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



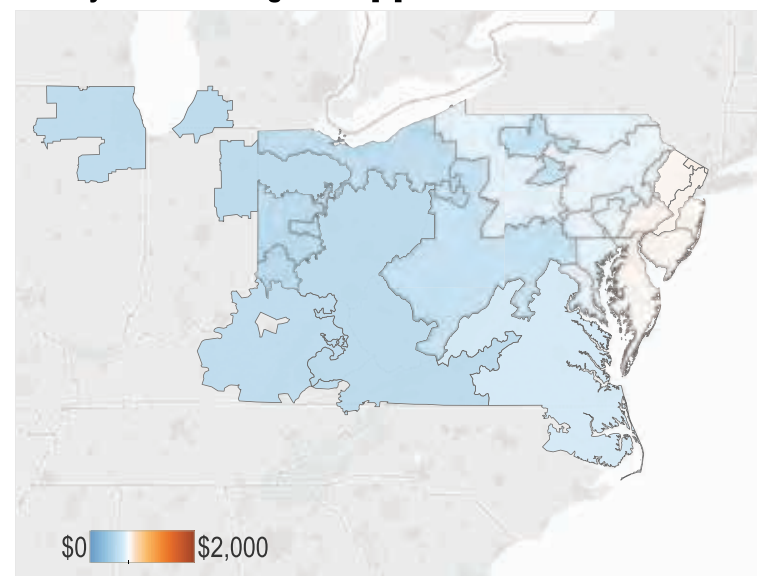
Legend



## Scenario: 297

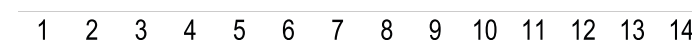
Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 1.50M



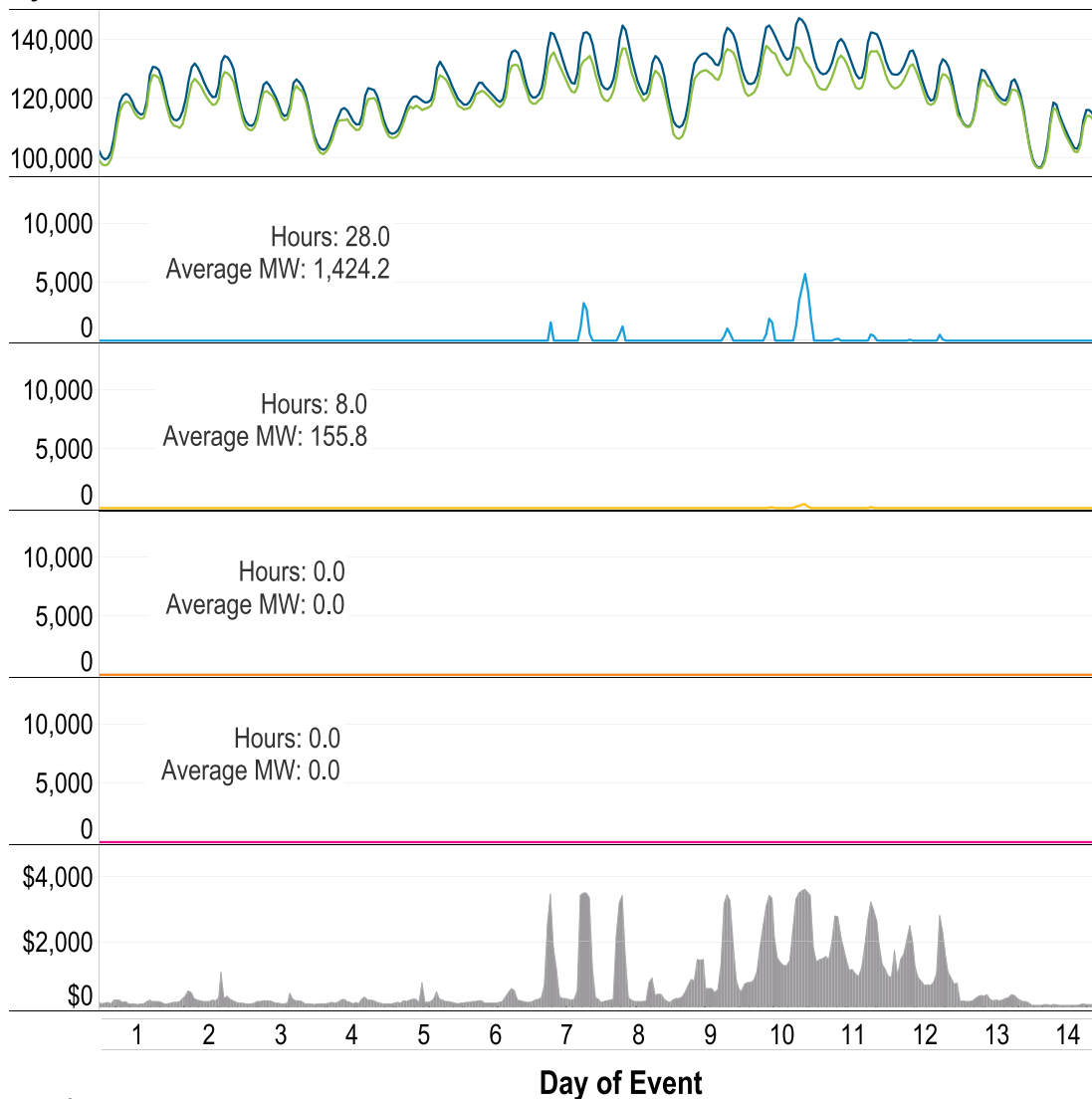
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



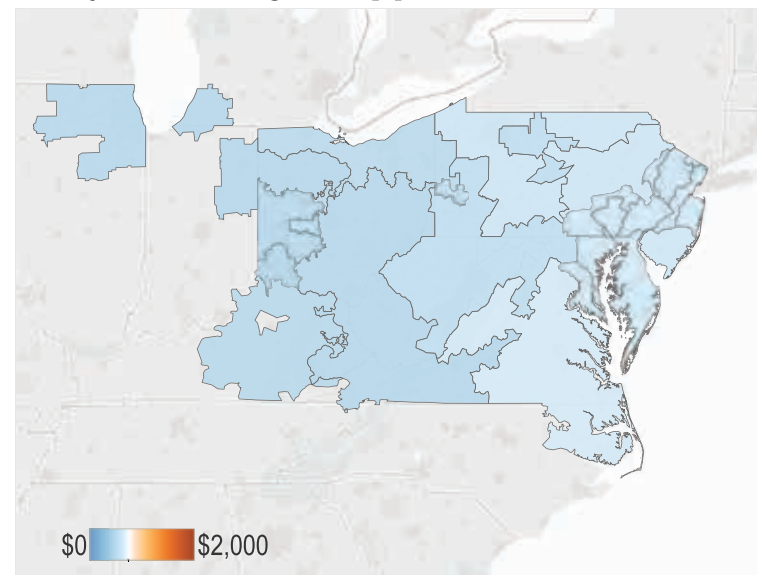
Legend



## Scenario: 298

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.82M

0	0	0	0	0	0	0	0	1	1	13	15	18	17	17
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

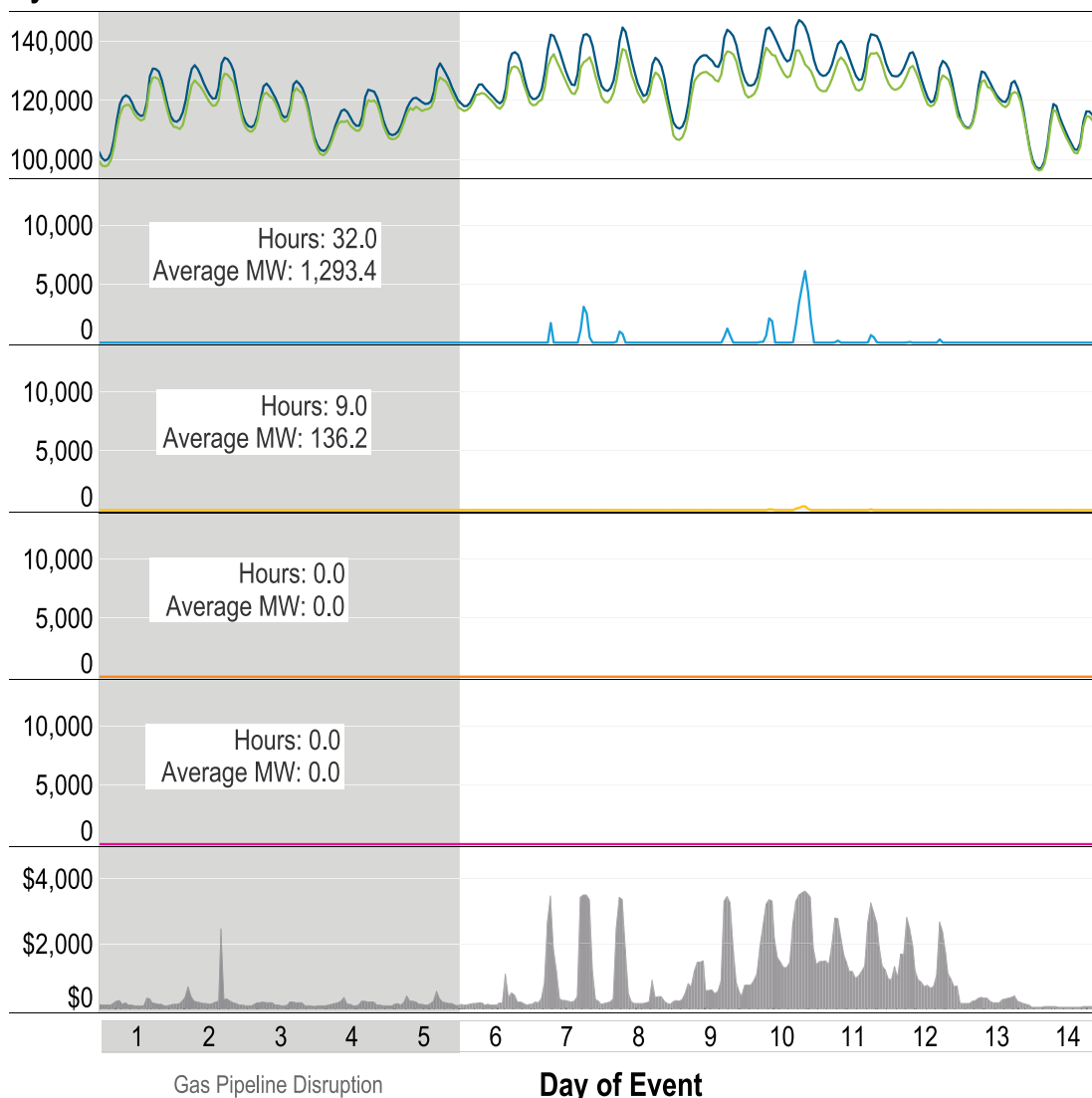
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



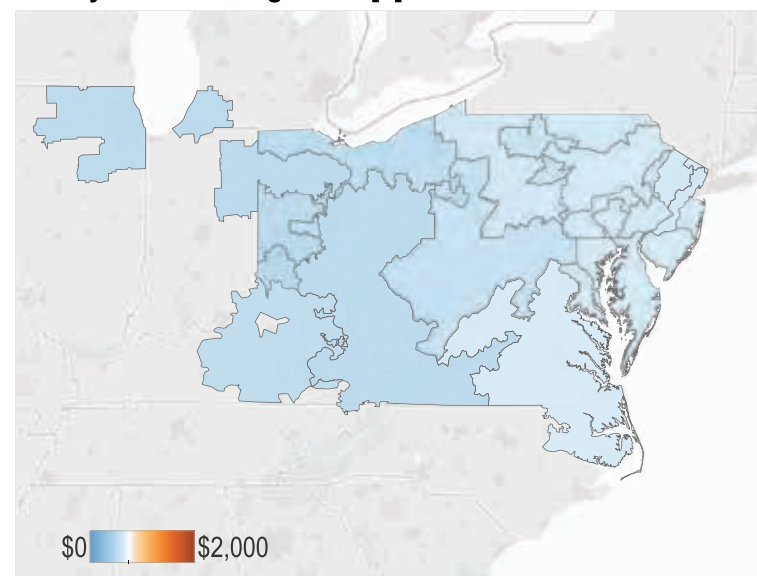
Legend



## Scenario: 299

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.82M

0	0	0	0	0	0	0	0	1	2	11	14	16	15	15
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

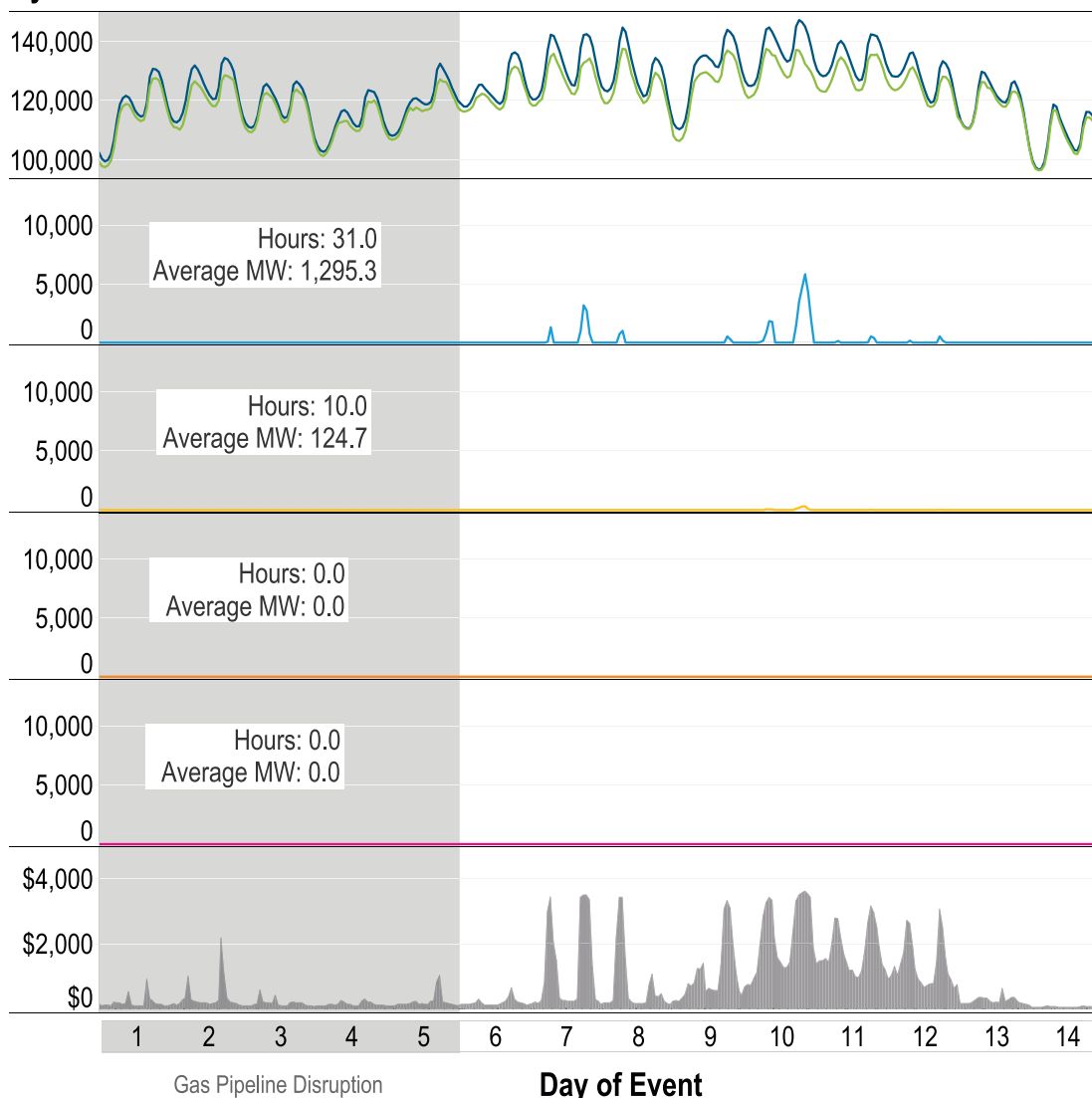
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



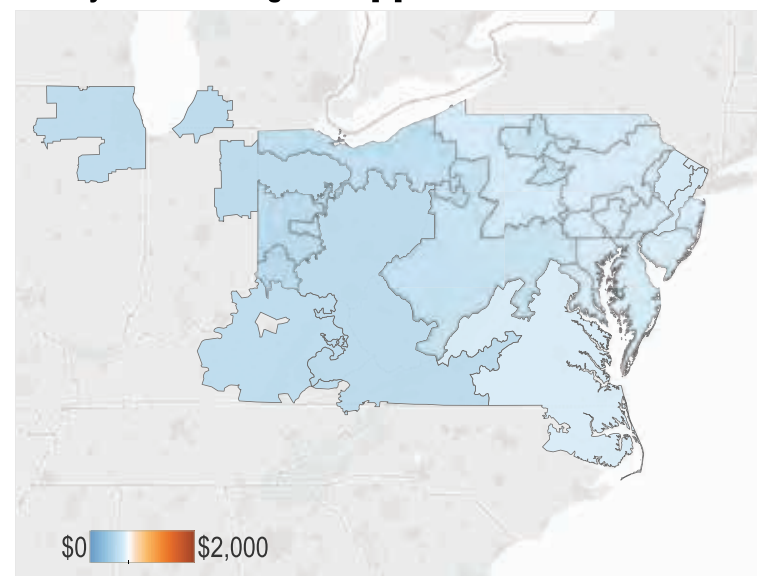
Legend



## Scenario: 300

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.85M

0	0	0	0	0	0	0	0	0	2	13	16	18	17	17
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

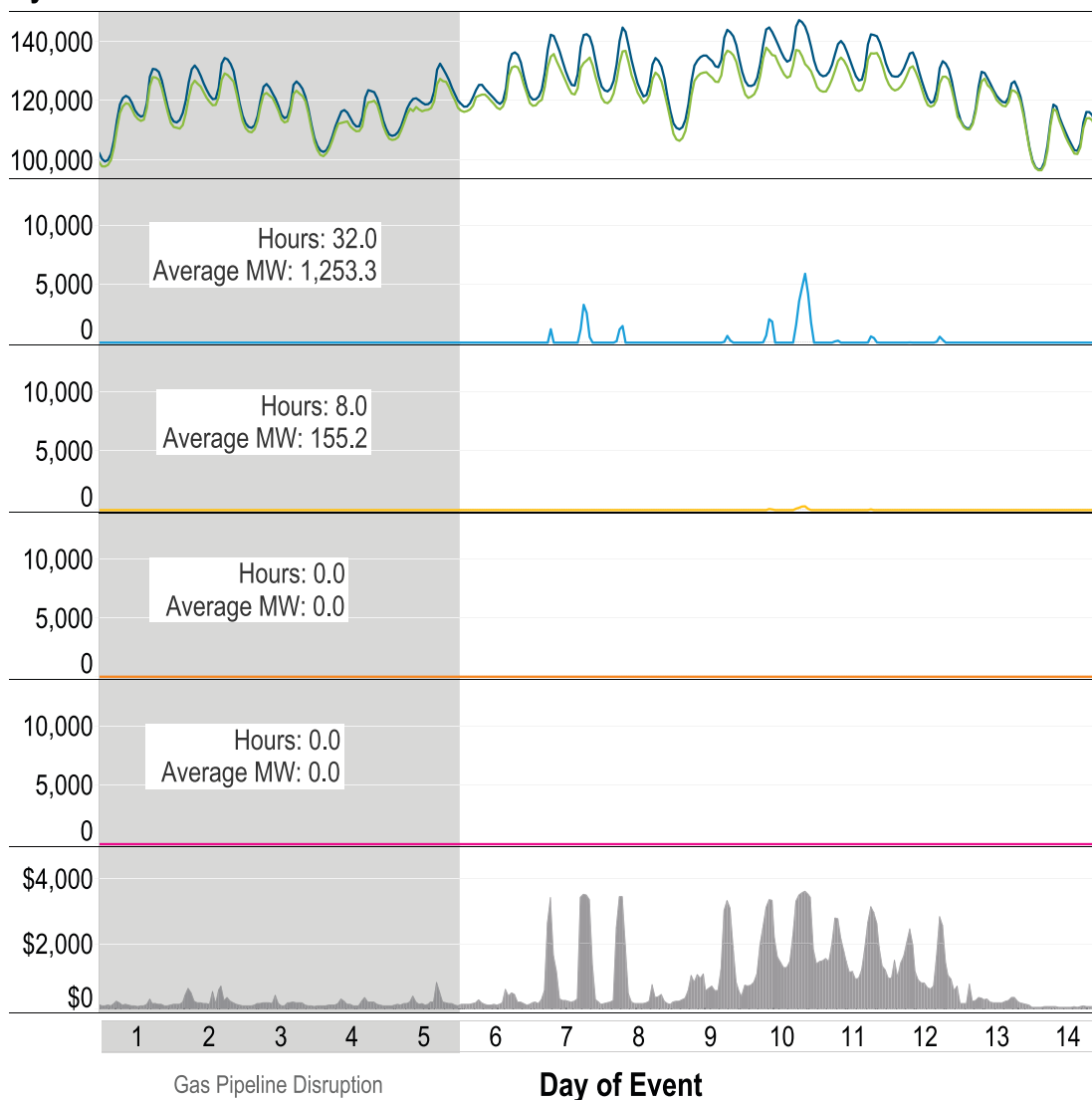
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



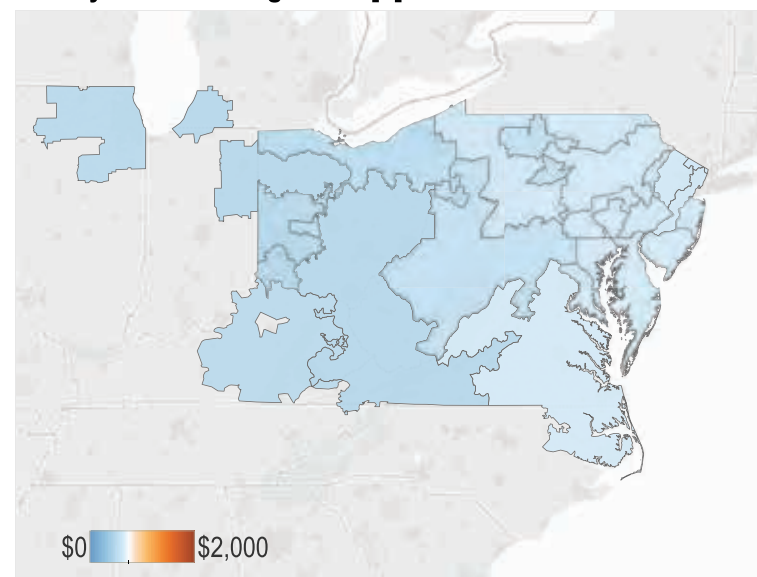
Legend



## Scenario: 301

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.82M

0	0	0	0	0	0	0	0	1	2	12	15	16	15	15
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

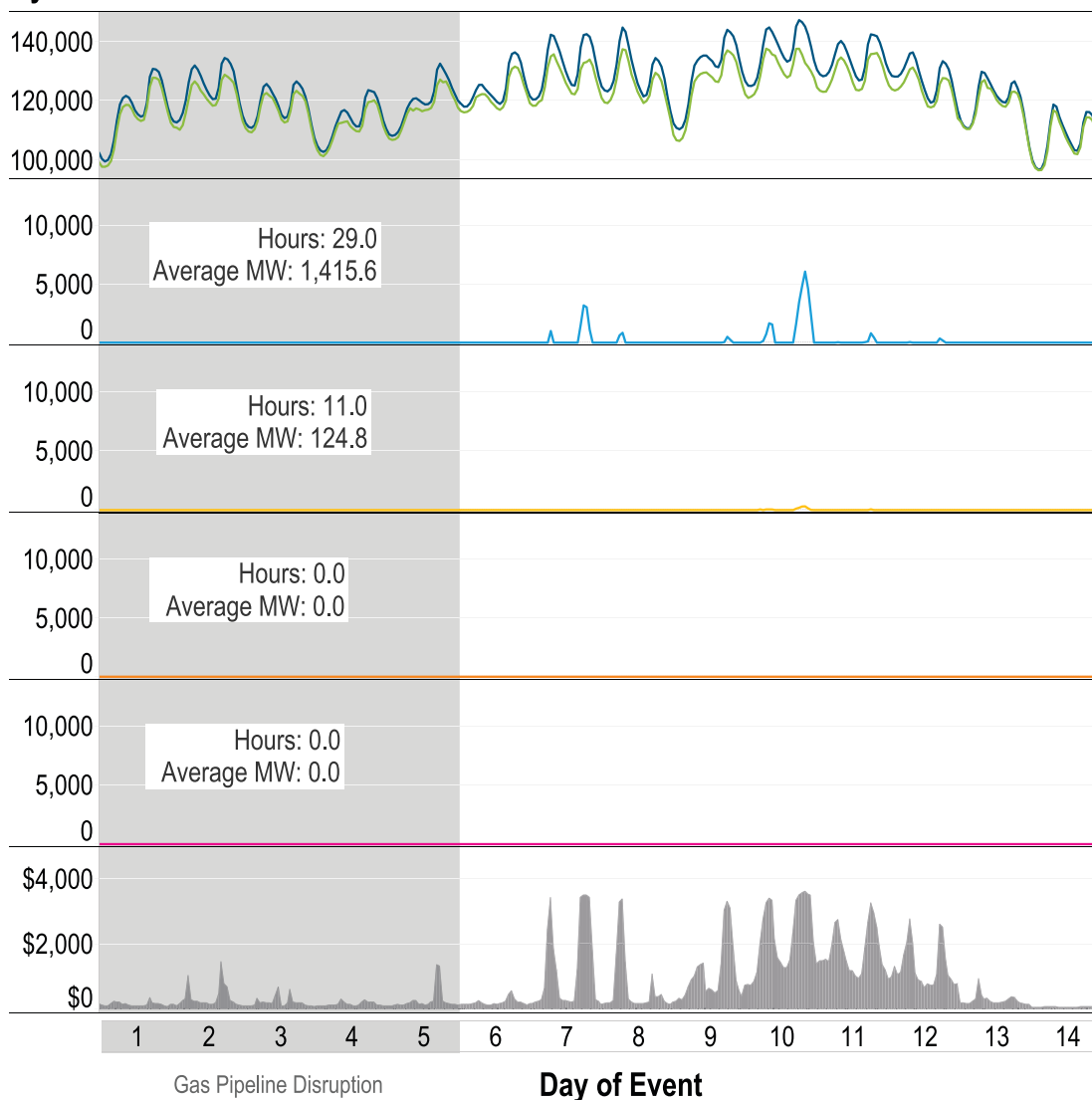
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



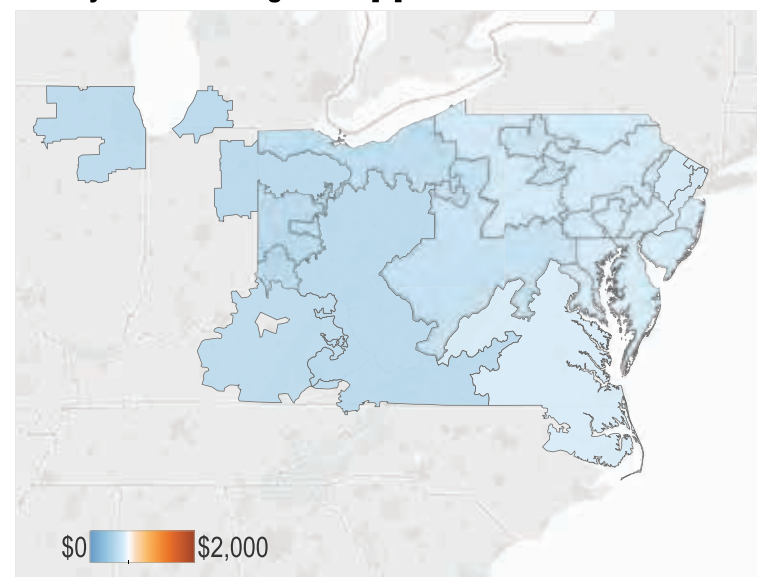
Legend



## Scenario: 302

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.90M

0	0	0	0	0	0	0	0	1	1	11	14	16	15	15
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

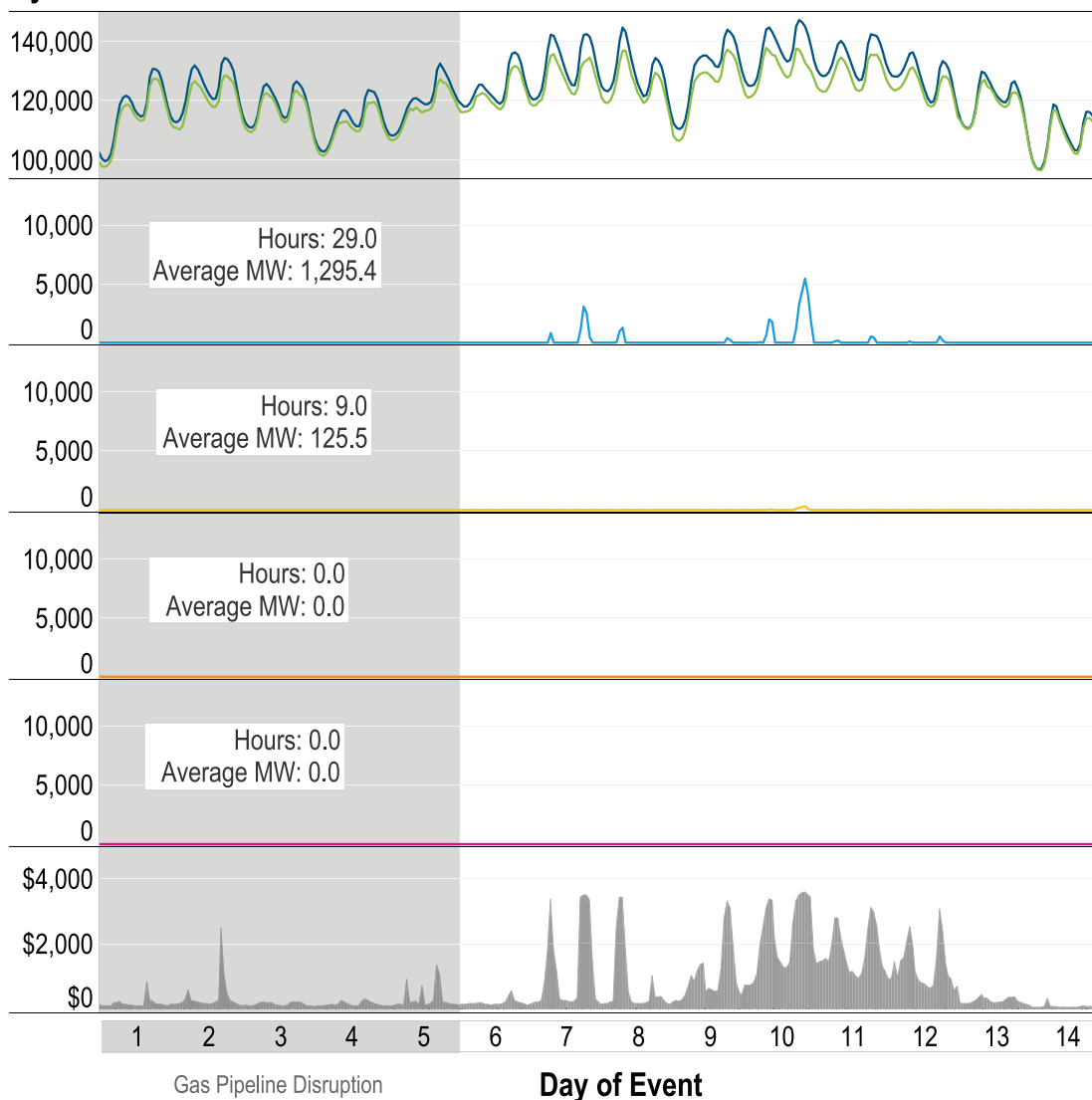
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



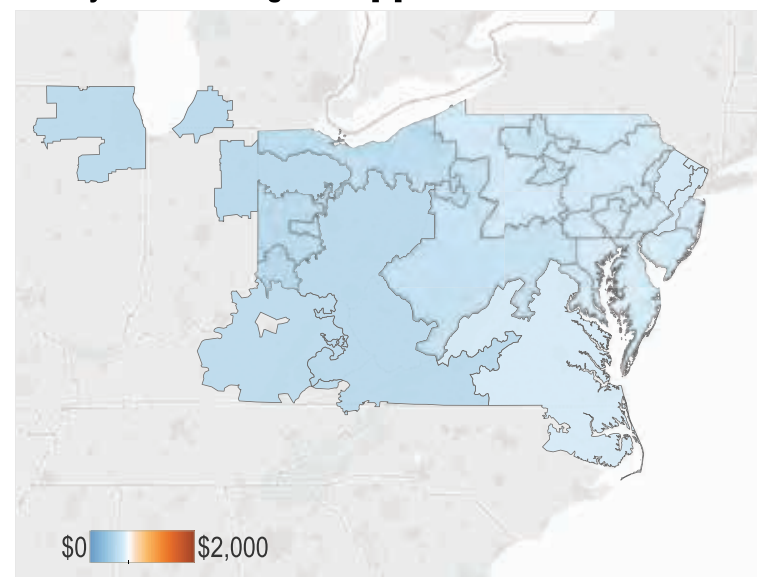
Legend



## Scenario: 303

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.82M

0	0	0	0	0	0	0	0	1	2	12	14	17	16	16
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

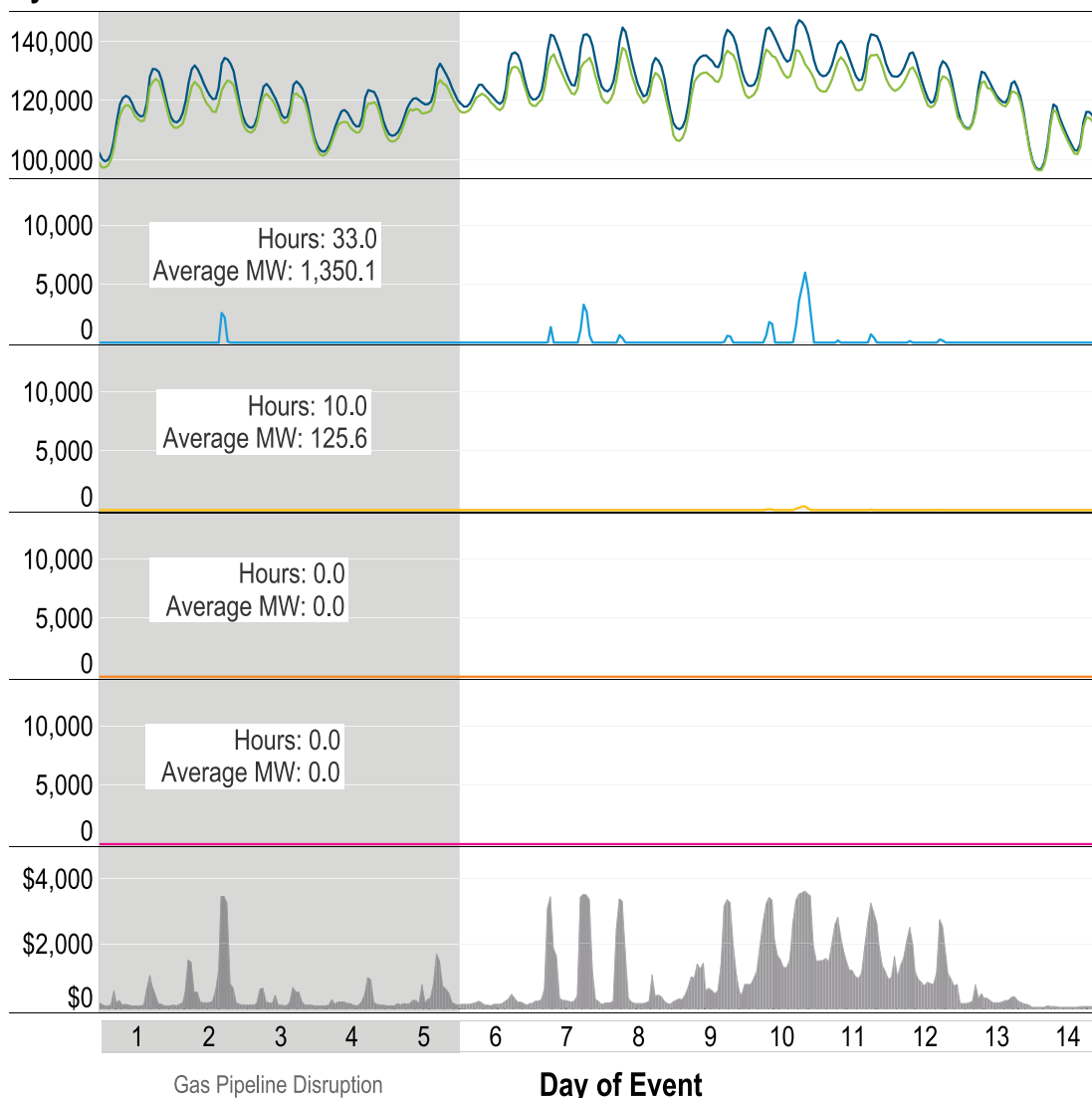
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



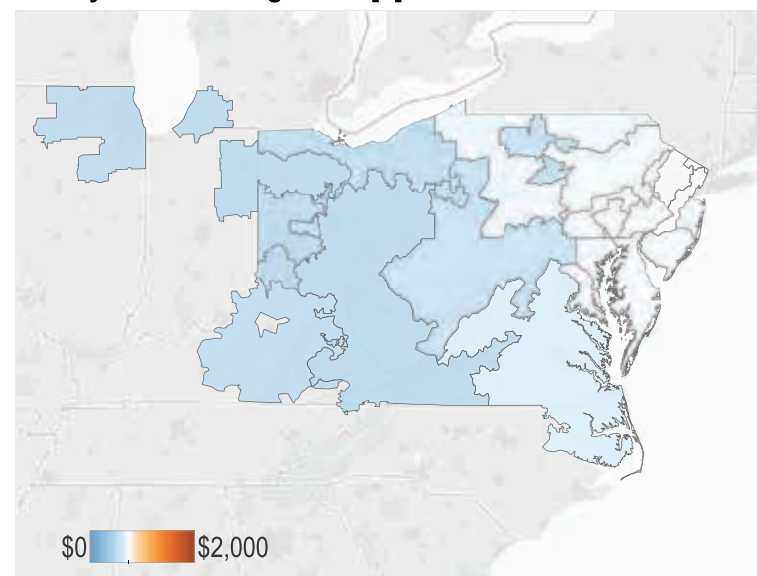
Legend



## Scenario: 304

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.94M

0	0	0	0	1	1	2	4	6	14	18	19	18	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

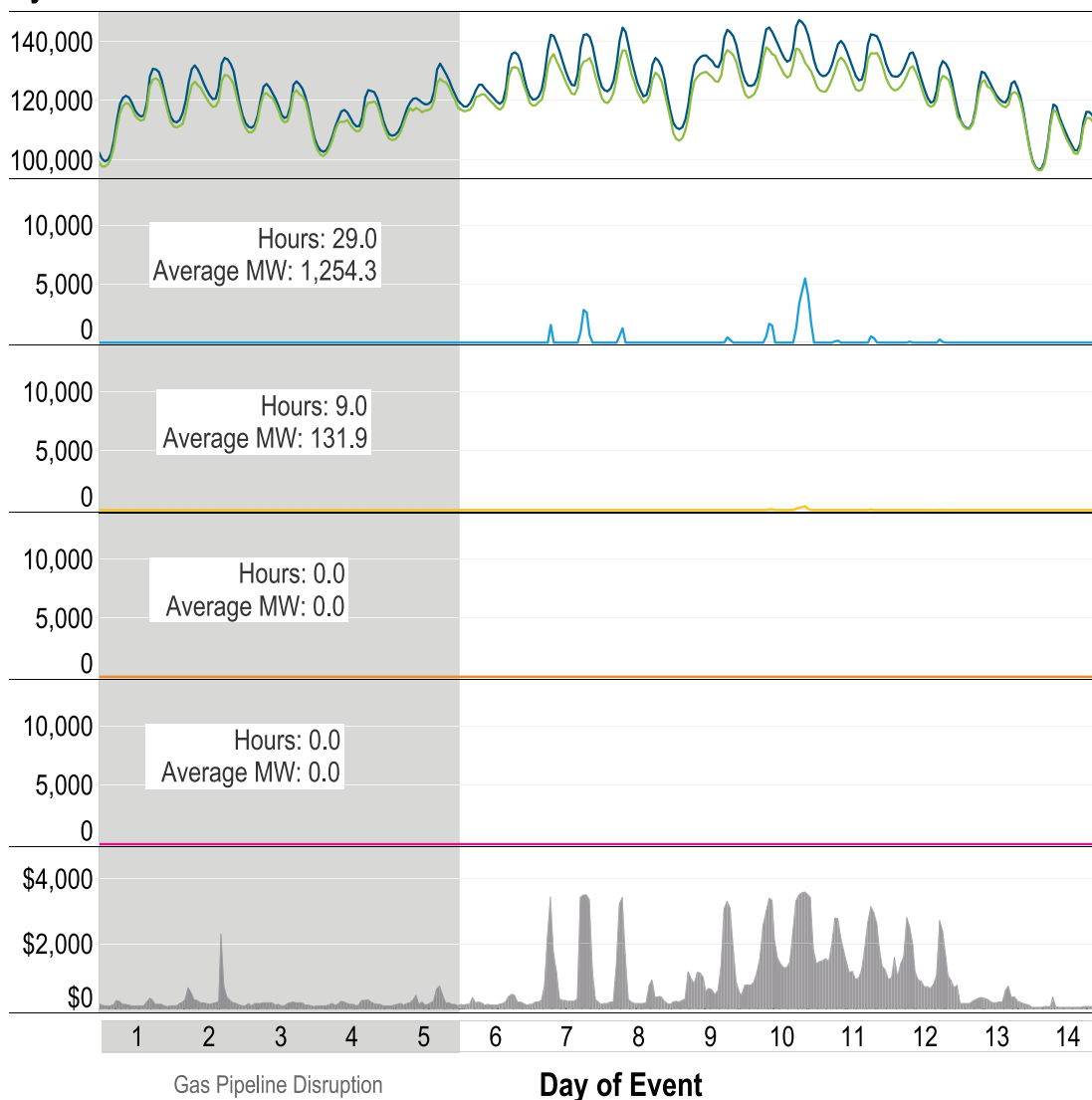
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



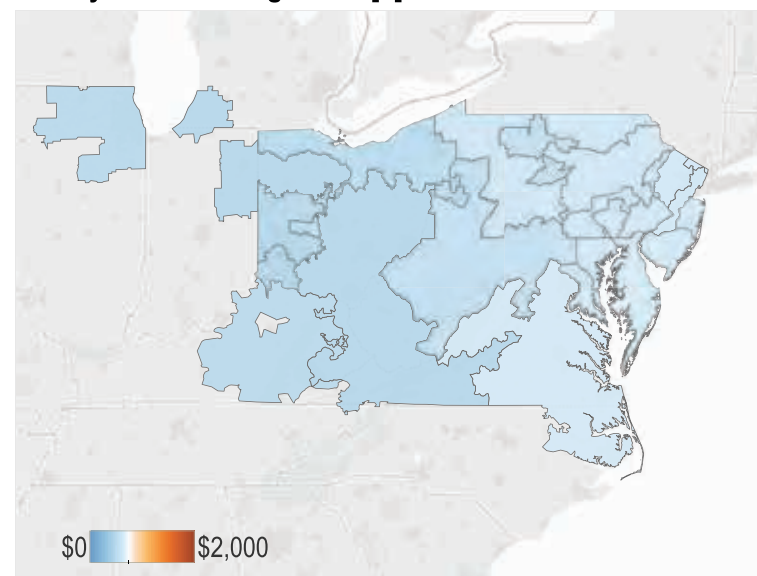
Legend



## Scenario: 305

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.82M

0	0	0	0	0	0	0	0	1	1	12	14	16	15	15
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

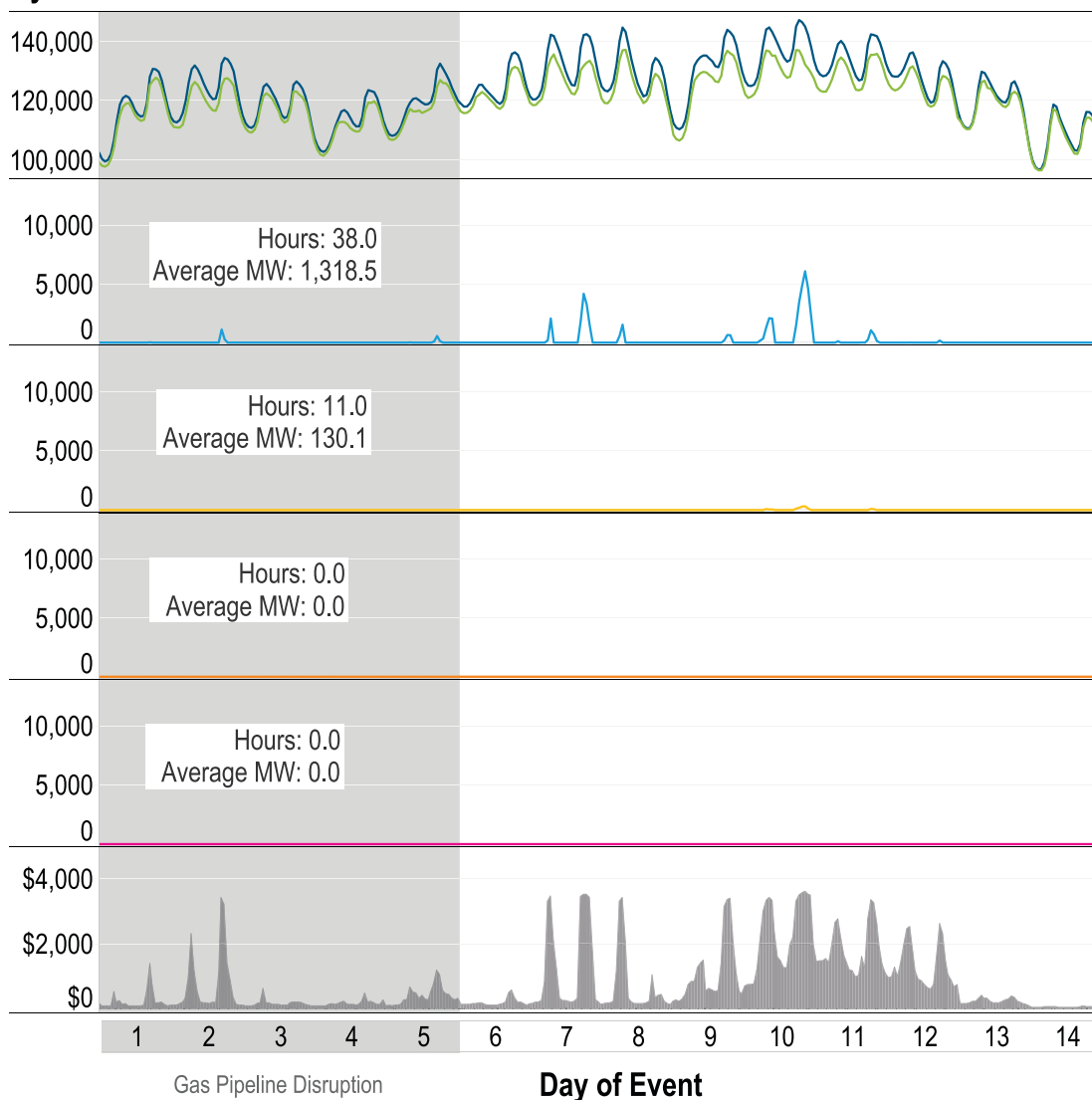
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



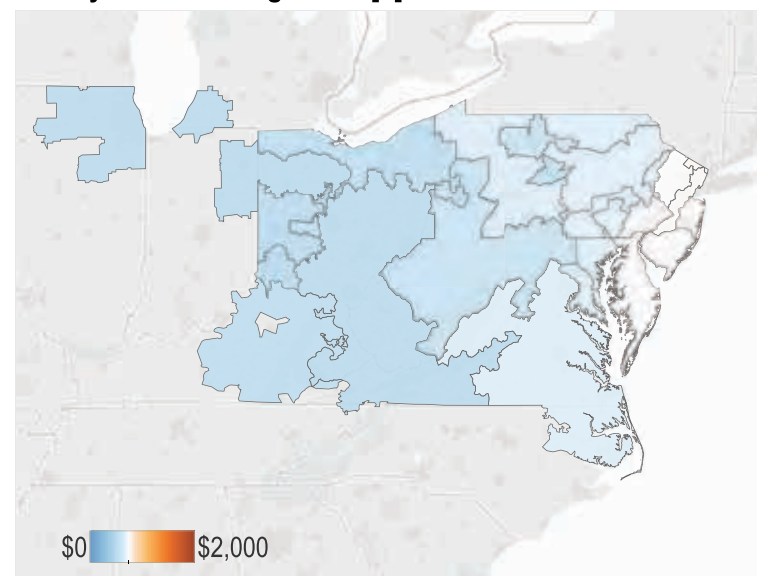
Legend



## Scenario: 306

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	62.50%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 0.95M

0	0	0	0	0	0	0	1	3	5	13	17	18	17	17
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

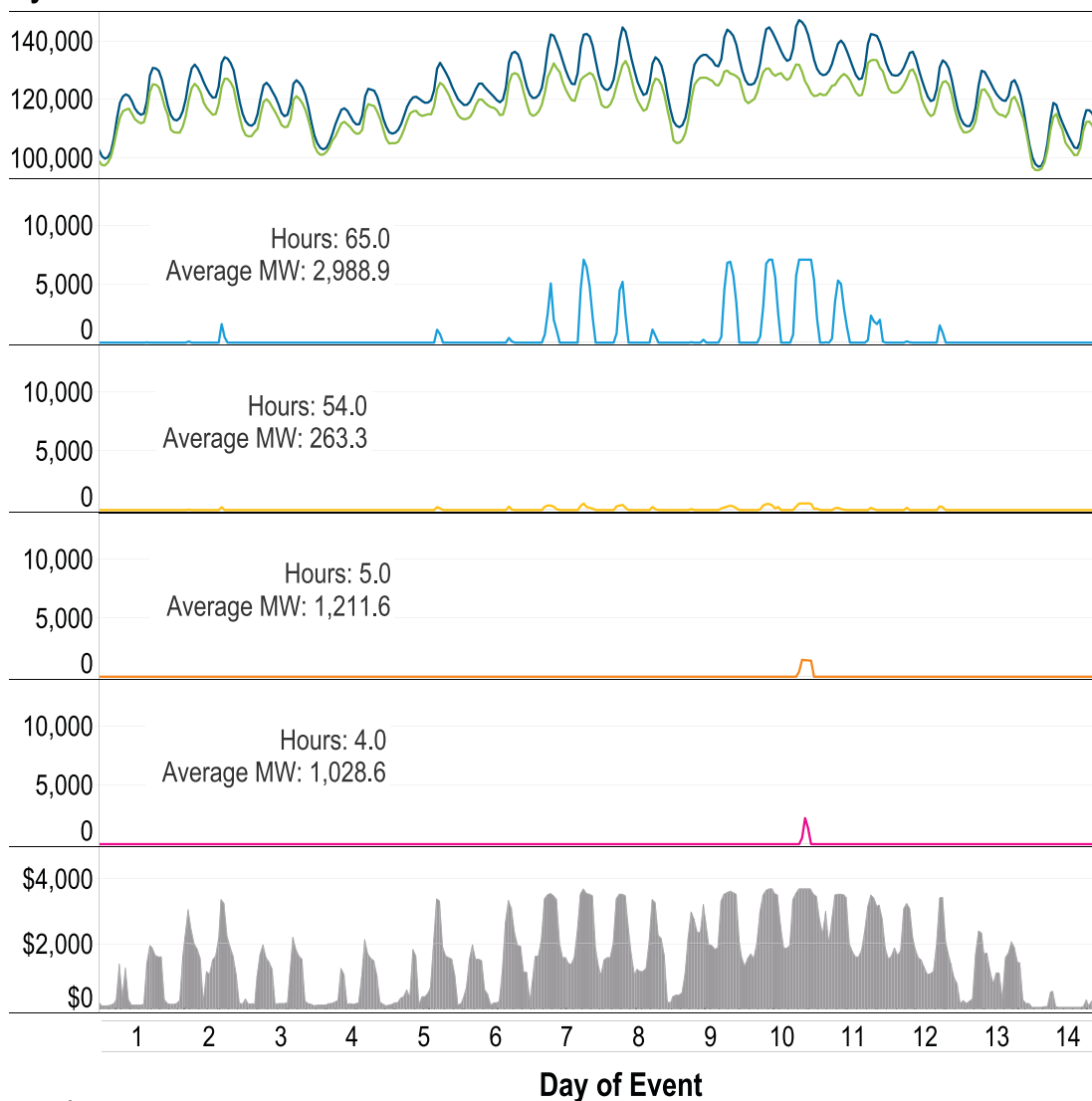
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

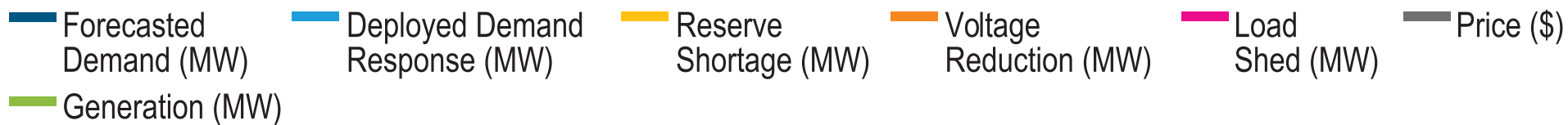
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



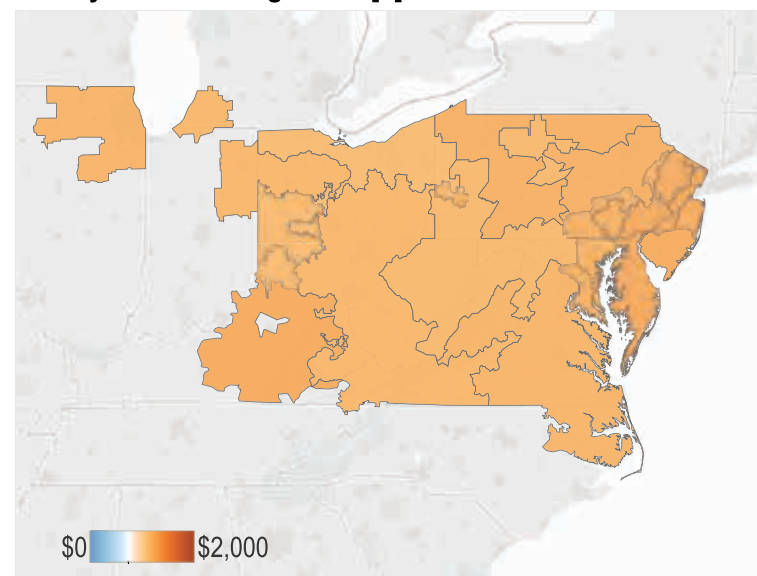
Legend



## Scenario: 307

Load:	Extreme
Refueling:	Moderate
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.97M

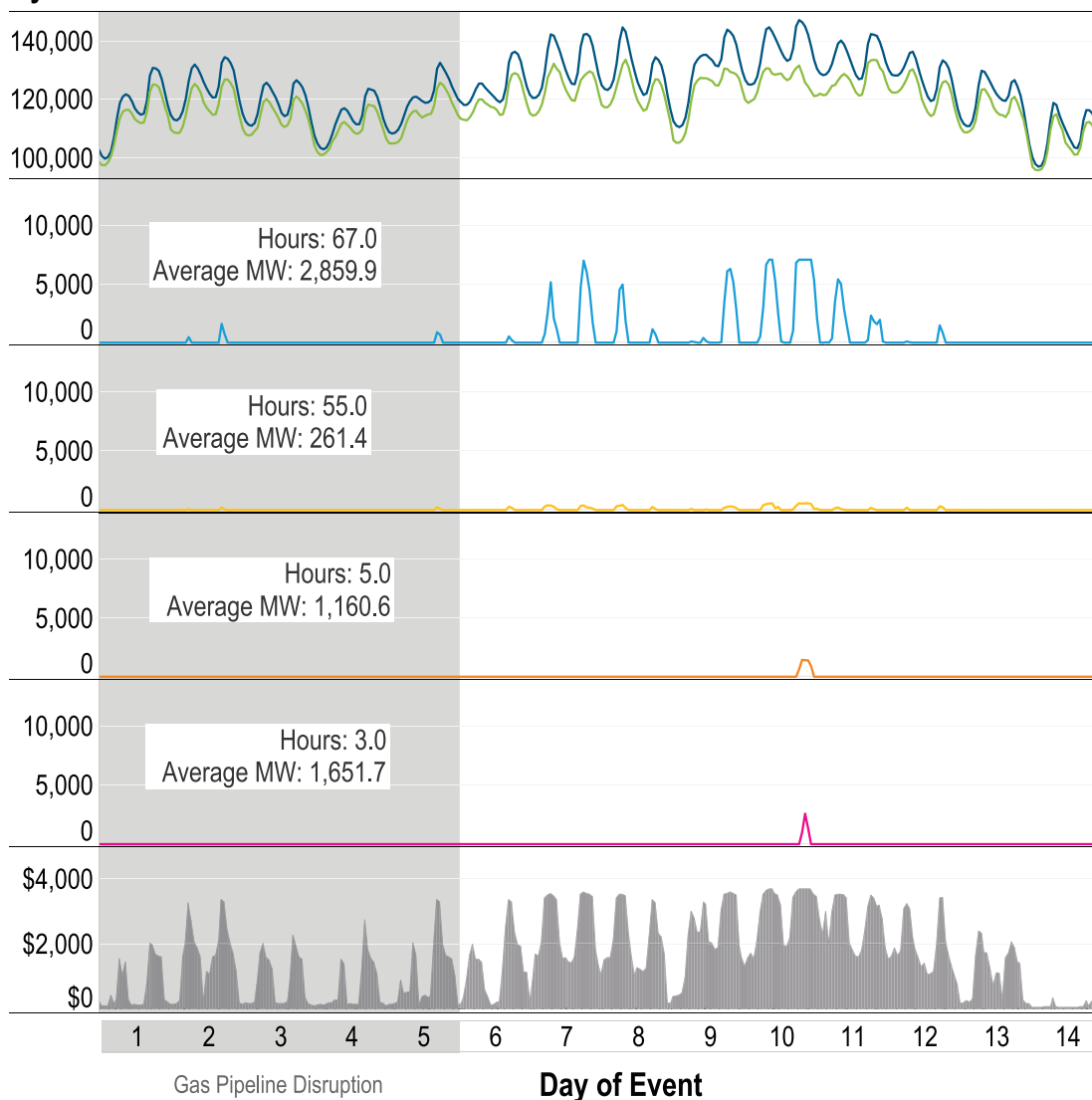


\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



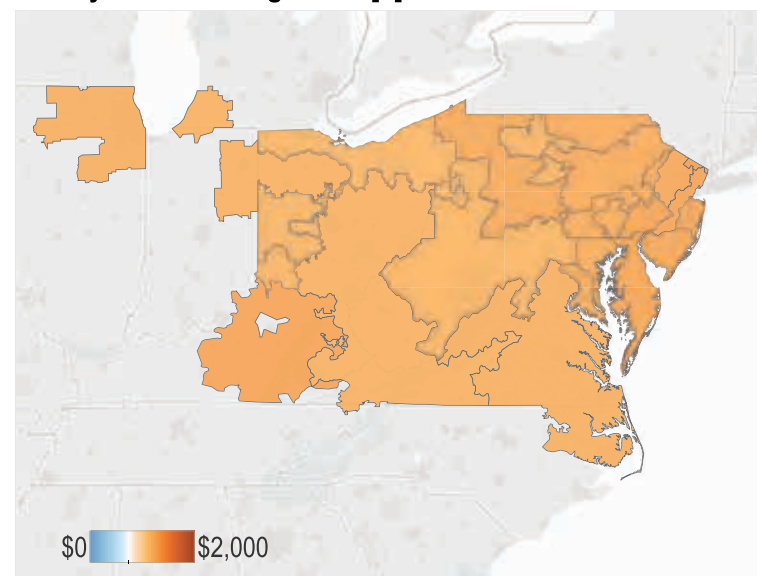
Legend



## Scenario: 308

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.01M

0	0	0	0	0	0	0	0	1	2	6	8	5	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

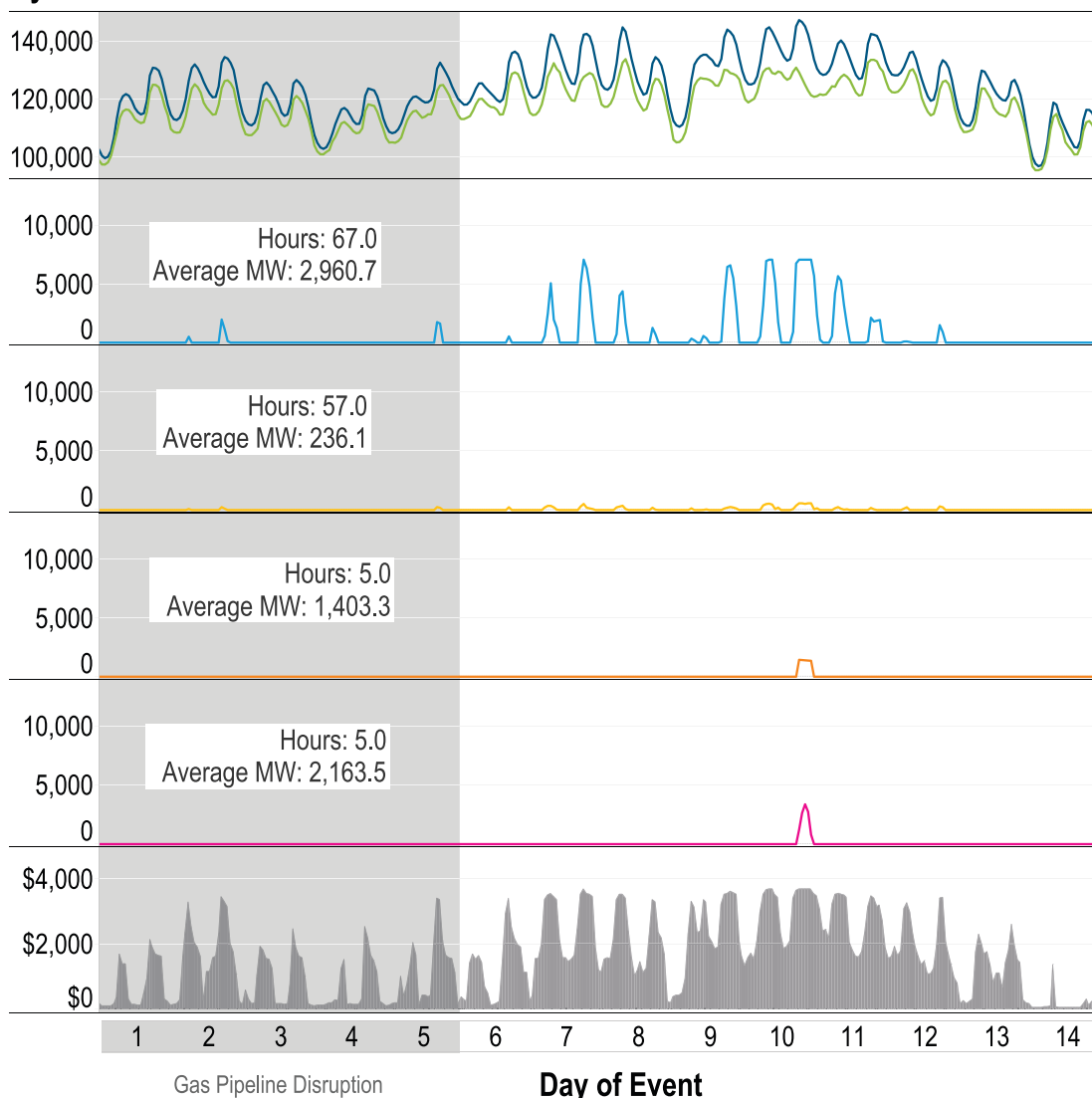
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



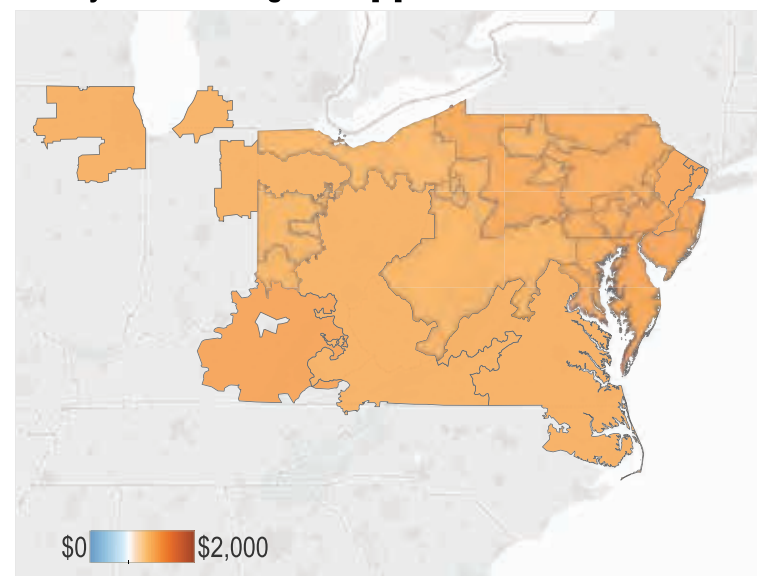
Legend



## Scenario: 309

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.13M

0	0	0	0	0	0	0	0	2	2	8	8	4	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

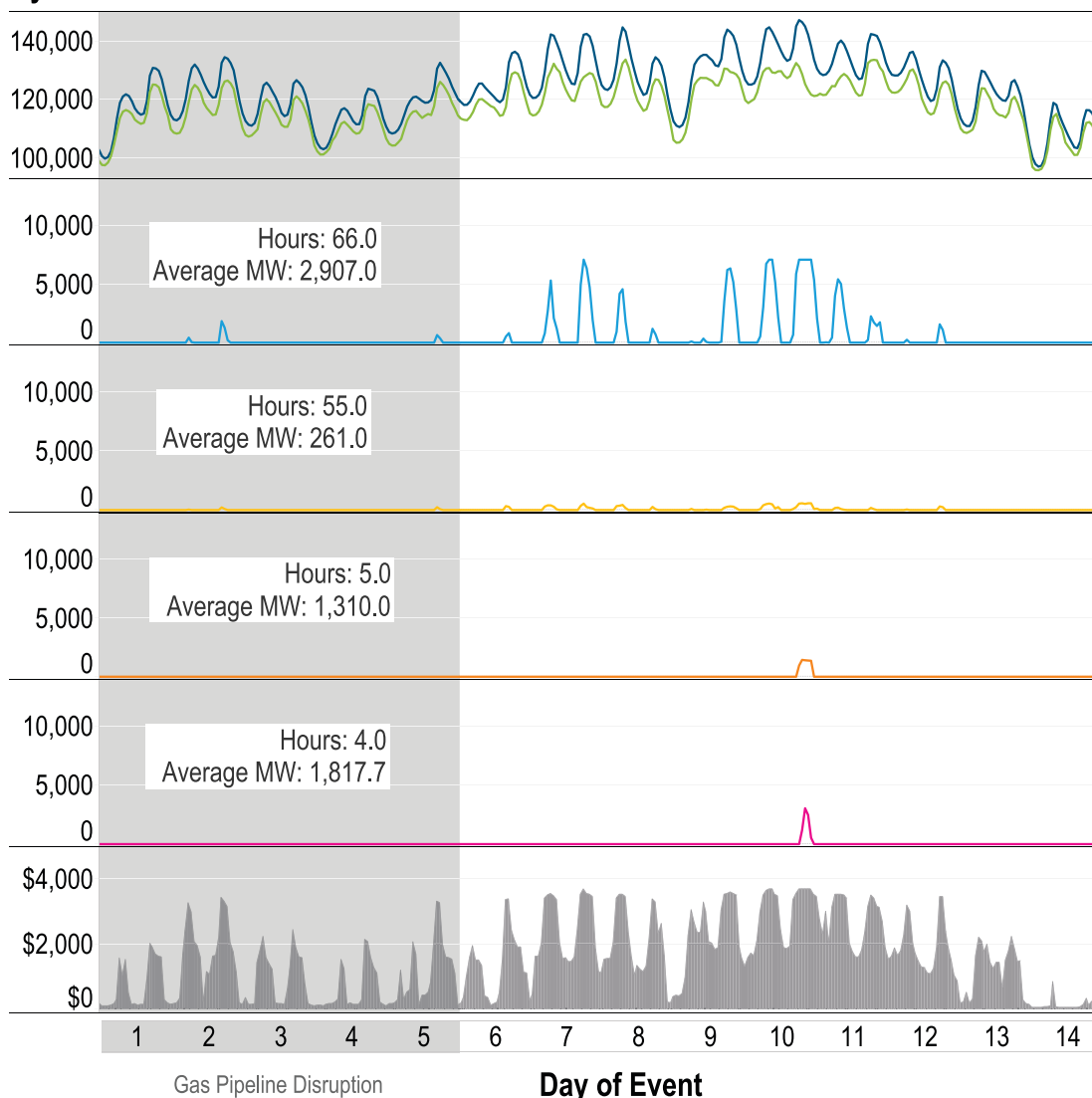
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



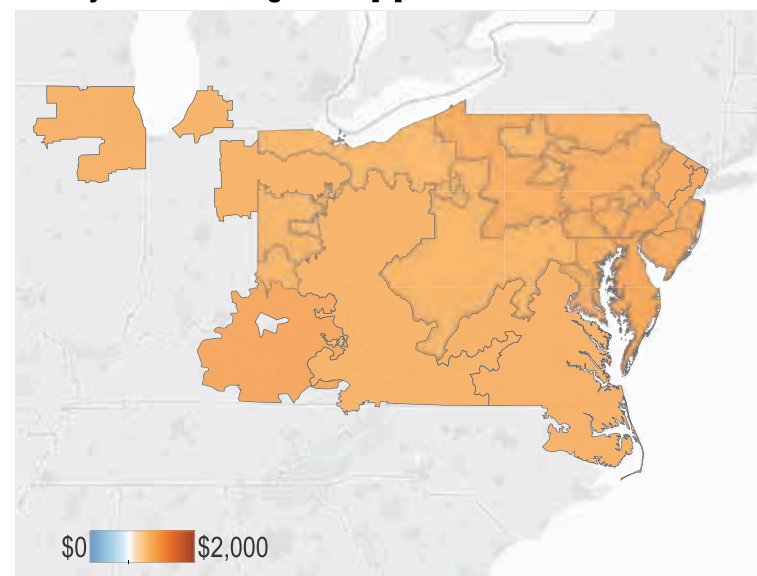
Legend



## Scenario: 310

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.05M

0	0	0	0	0	0	0	0	2	2	6	8	4	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

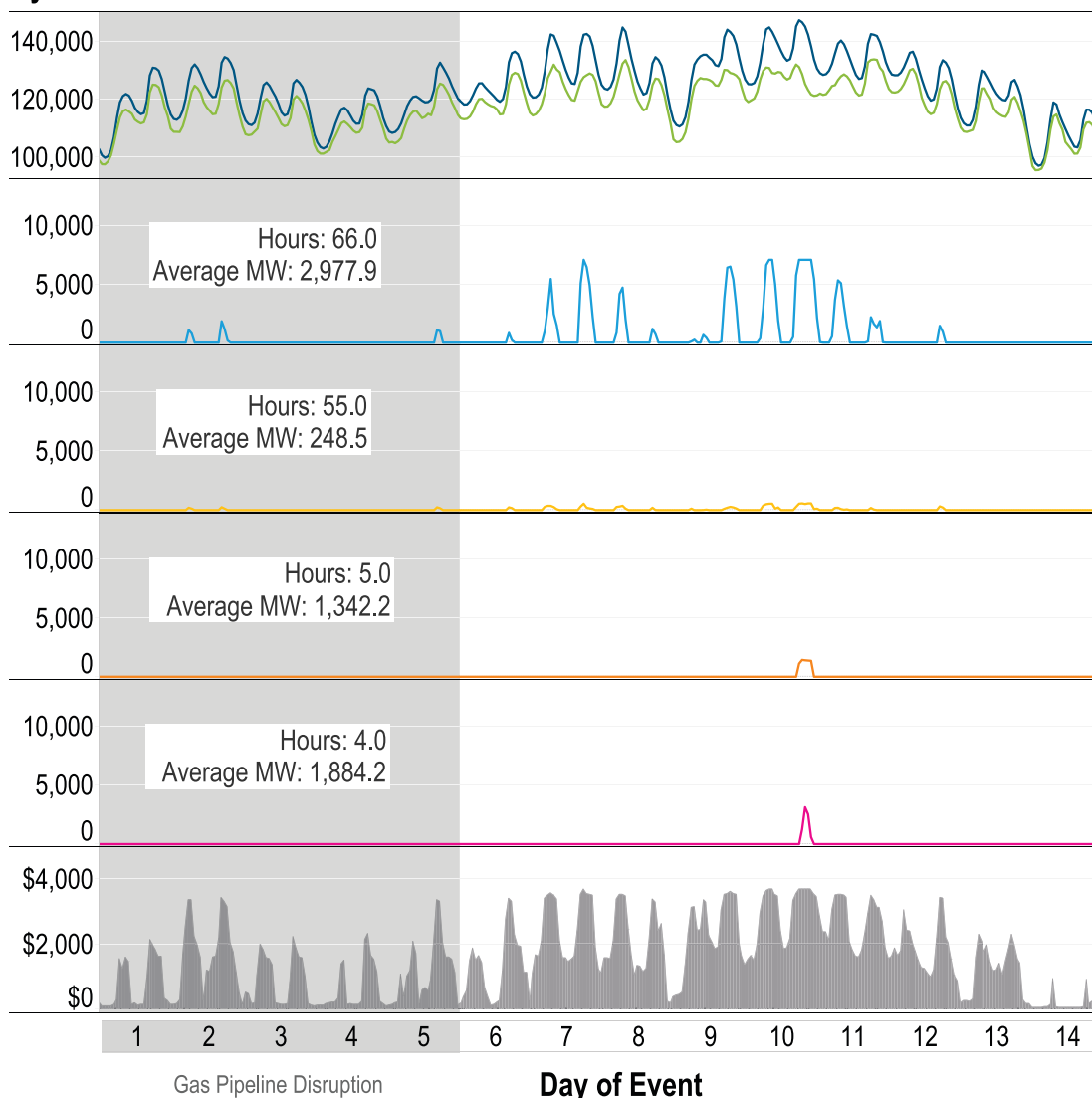
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



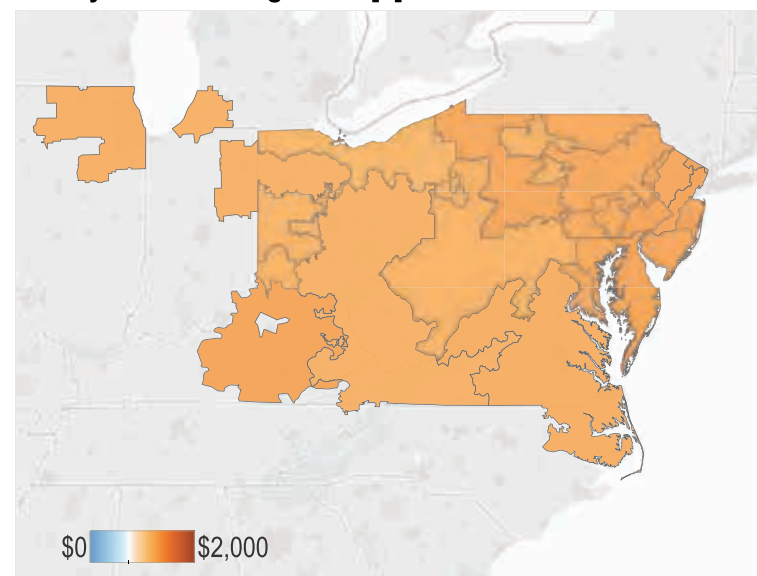
## System Overview



## Scenario: 311

Load:	Extreme
Refueling:	Moderate
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 4.21M

0	0	0	0	0	0	0	0	2	3	7	8	5	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

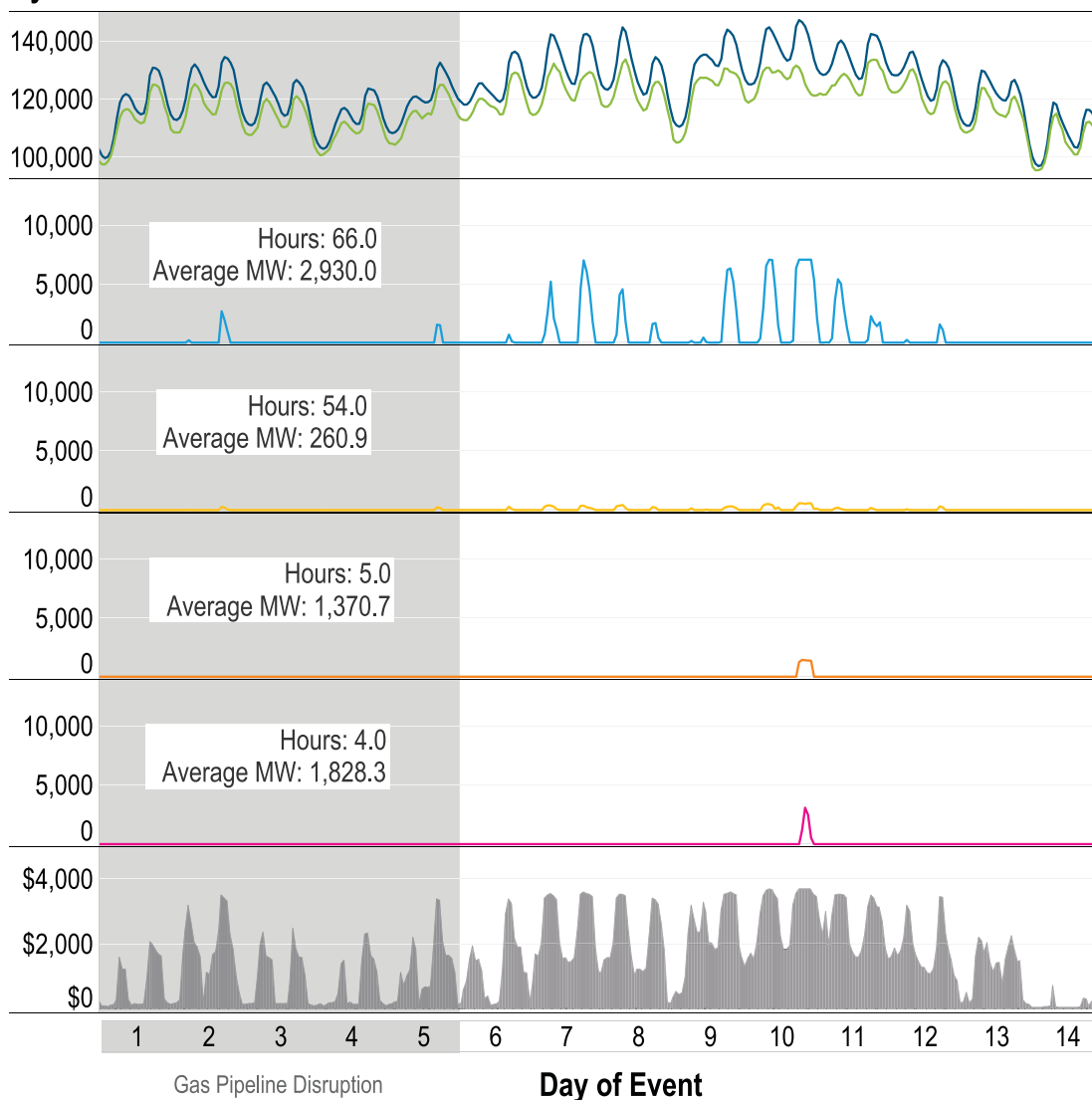
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



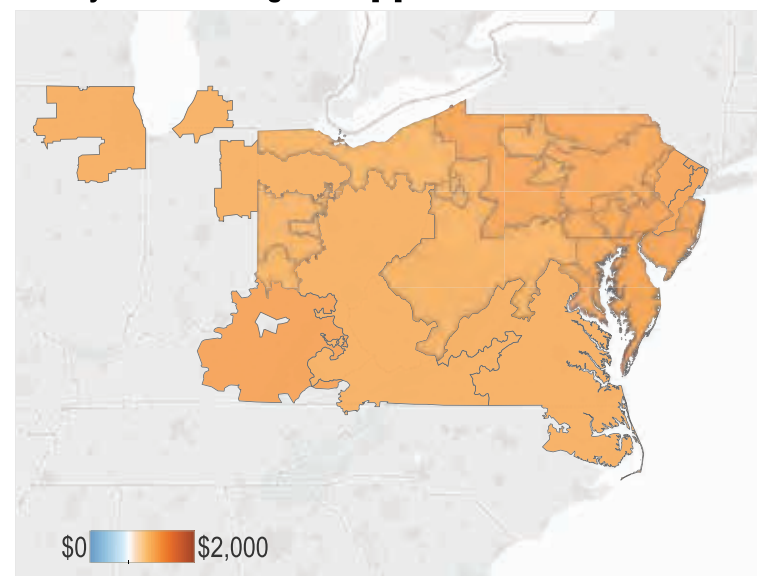
Legend



## Scenario: 312

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.06M

0	0	0	0	0	0	0	0	2	2	6	8	5	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

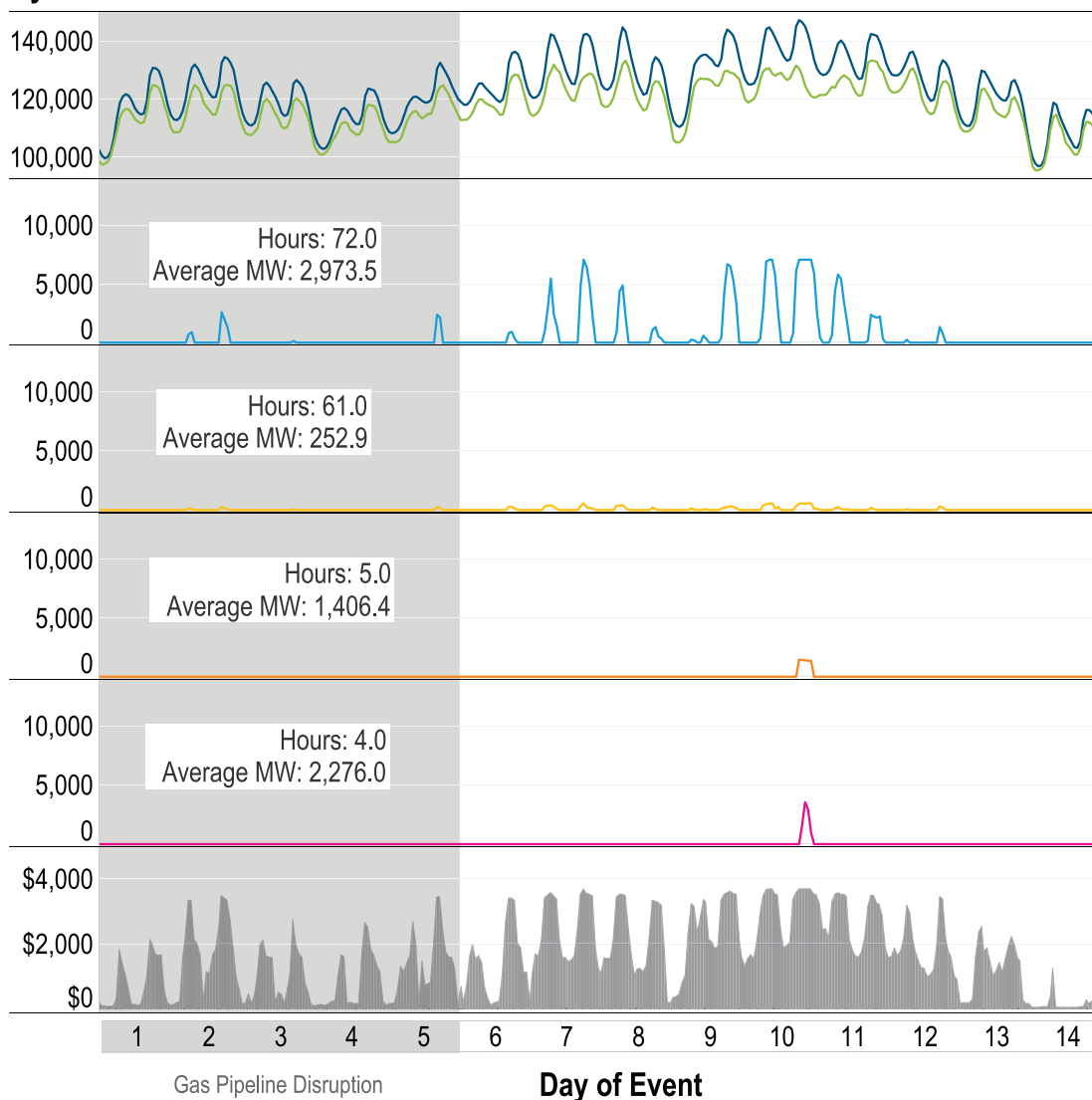
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



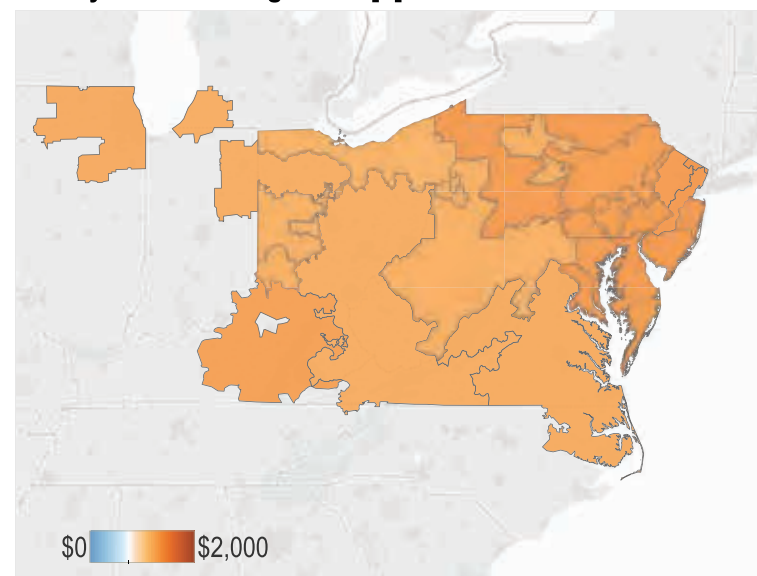
Legend



## Scenario: 313

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.22M

0	0	0	0	0	0	0	0	2	3	7	9	5	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

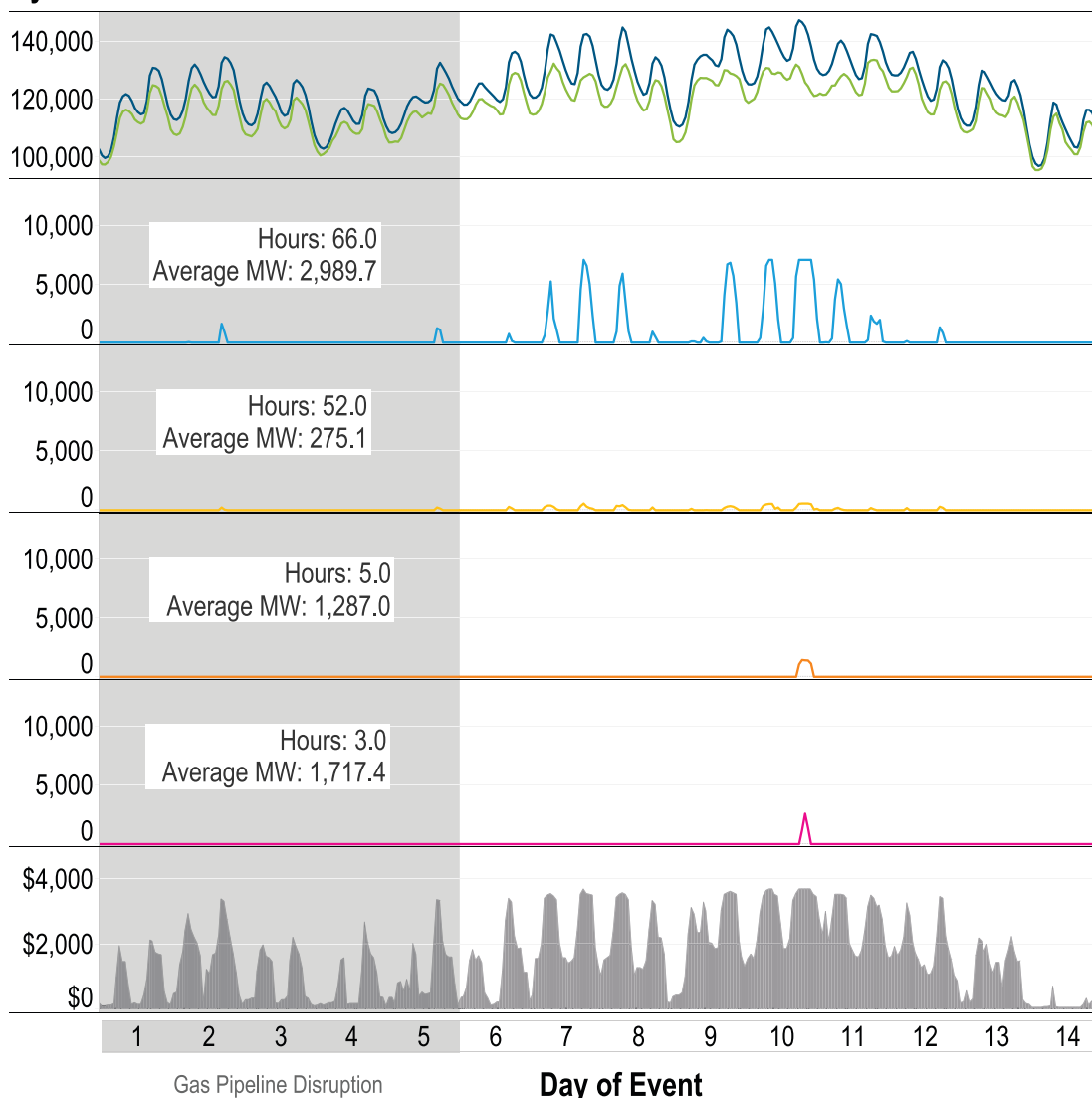
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



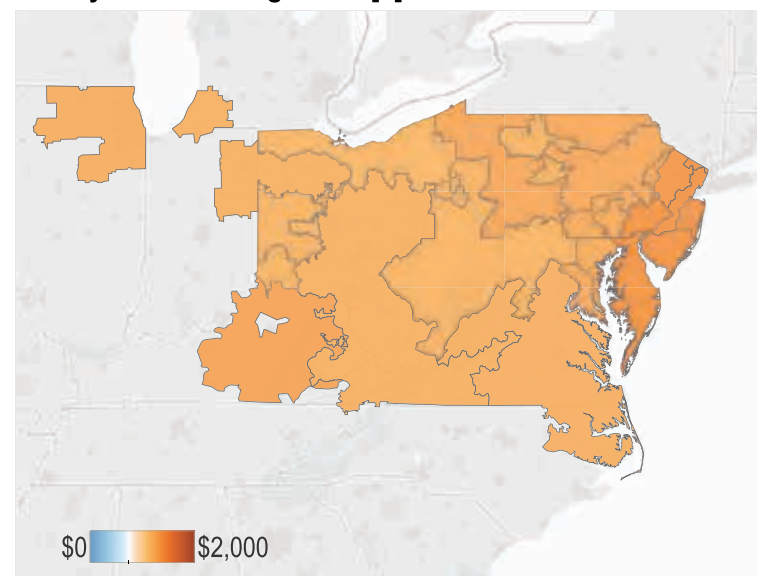
Legend



## Scenario: 314

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.12M

0	0	0	0	0	0	0	0	3	3	7	9	4	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

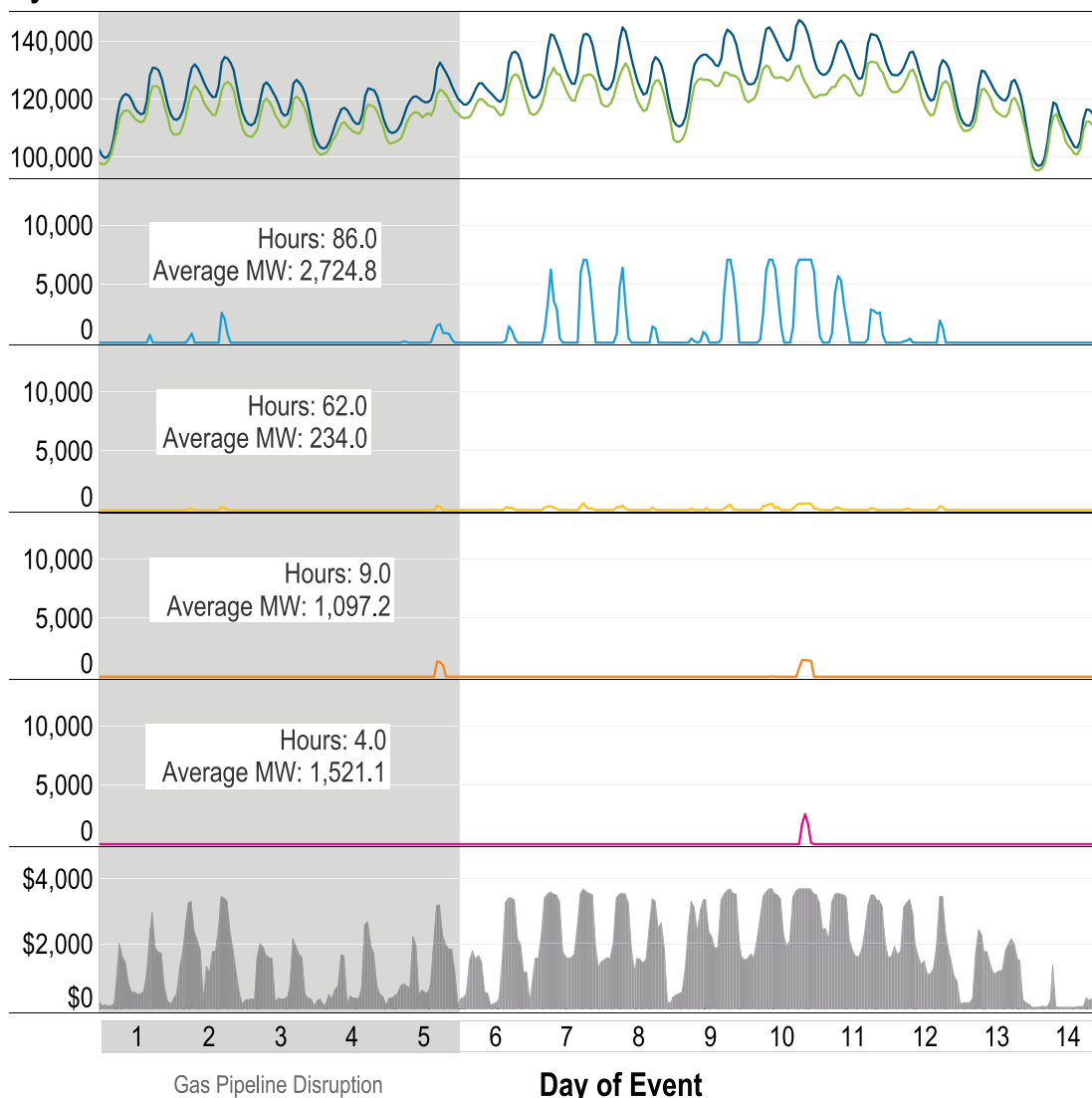
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



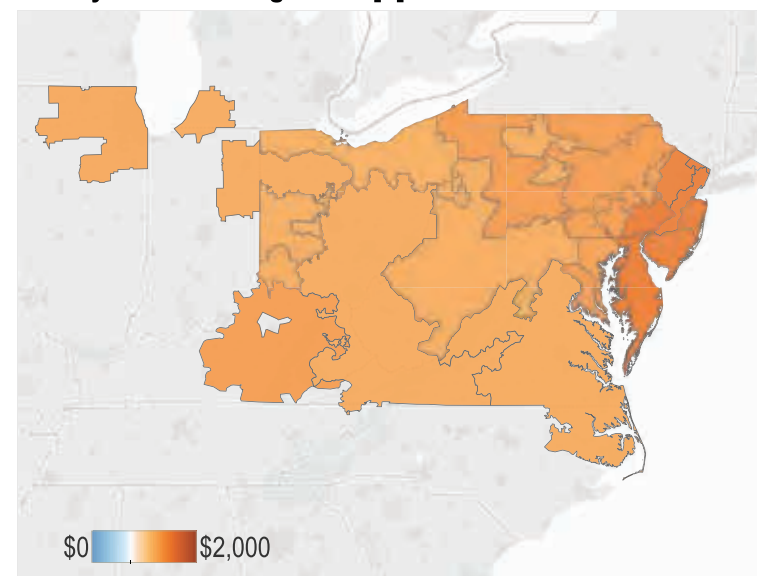
Legend



## Scenario: 315

Load:	Extreme
Refueling:	Moderate
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 4.50M

0	0	1	1	1	1	1	3	5	8	10	6	2	0
---	---	---	---	---	---	---	---	---	---	----	---	---	---

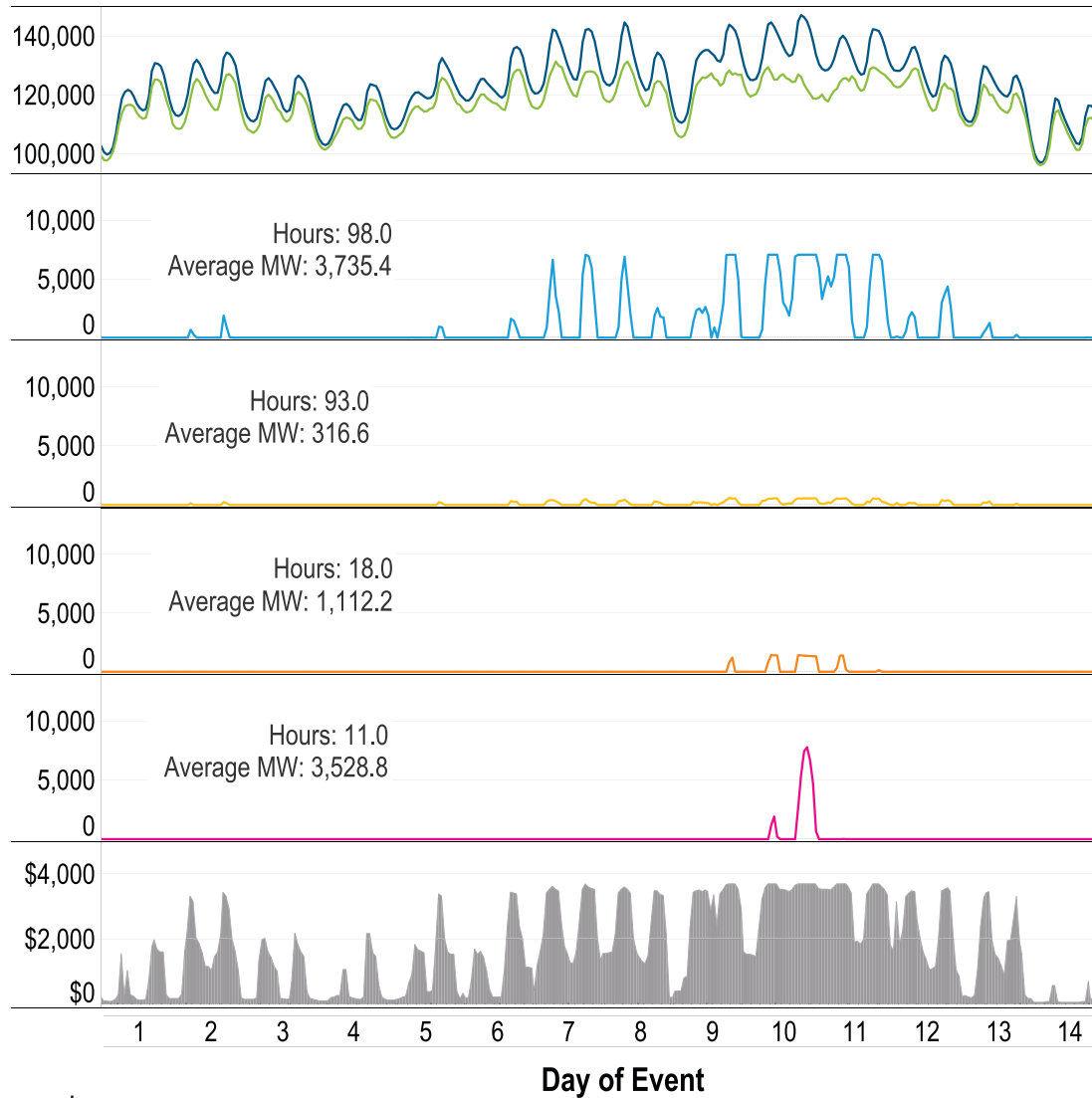
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

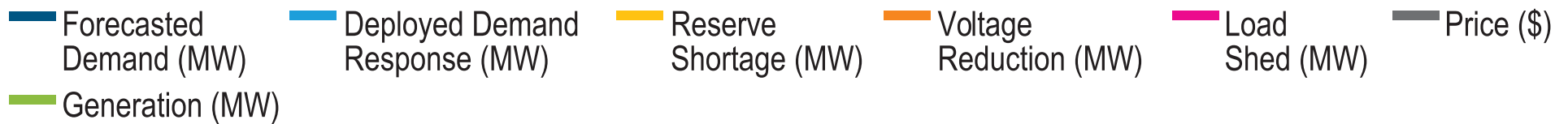
Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



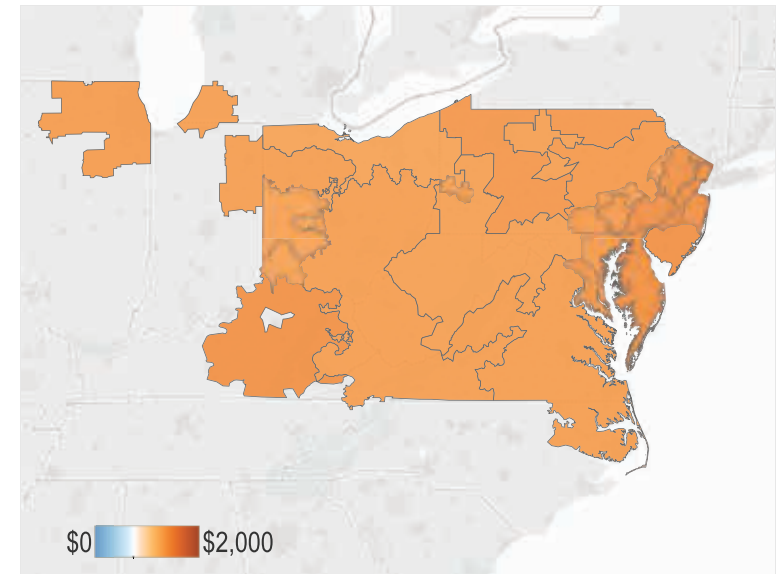
Legend



## Scenario: 316

Load:	Extreme
Refueling:	Limited
Disruption:	None
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.41M

0	1	3	5	7	8	17	30	47	61	71	70	71	55
---	---	---	---	---	---	----	----	----	----	----	----	----	----

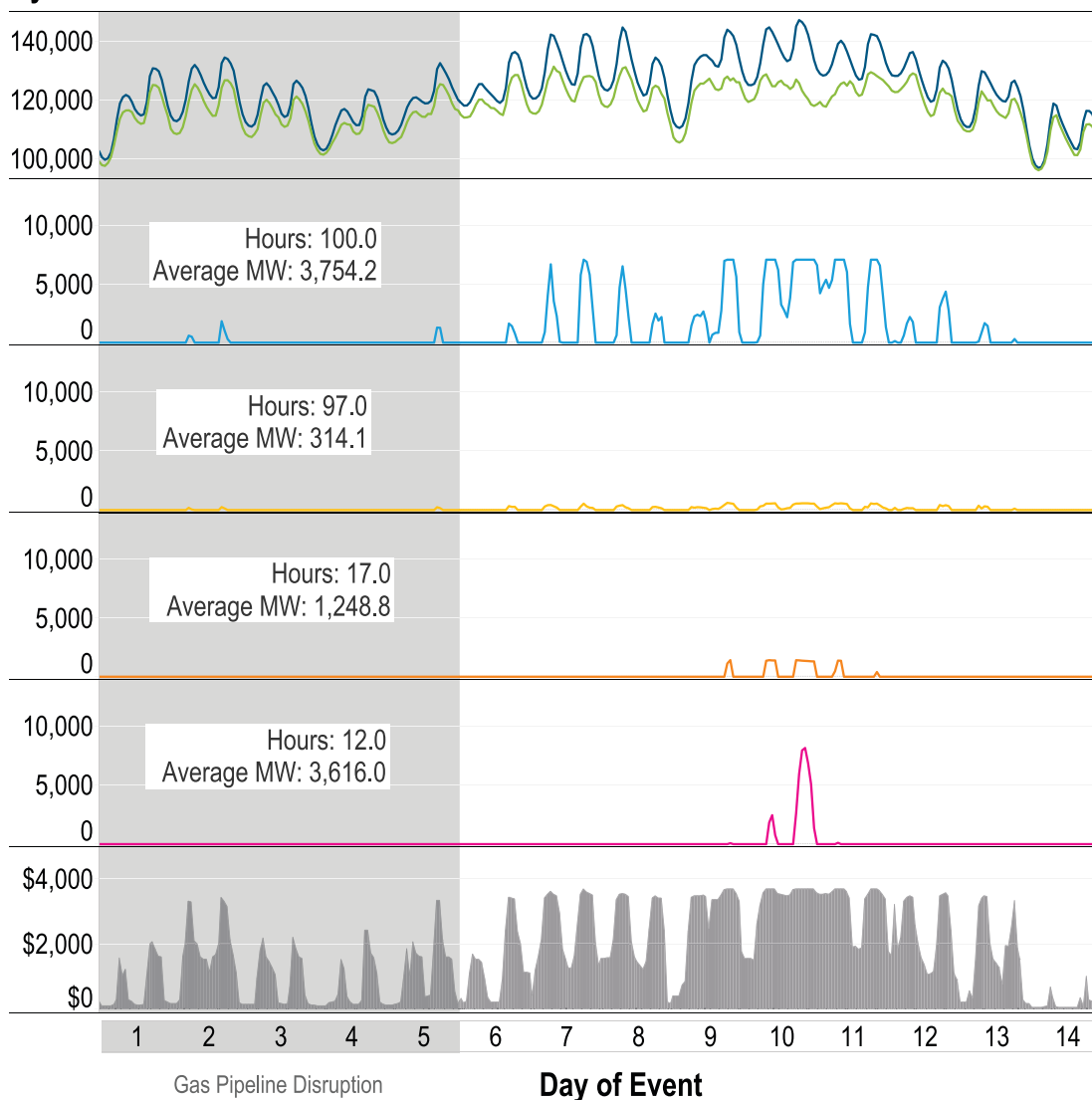
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



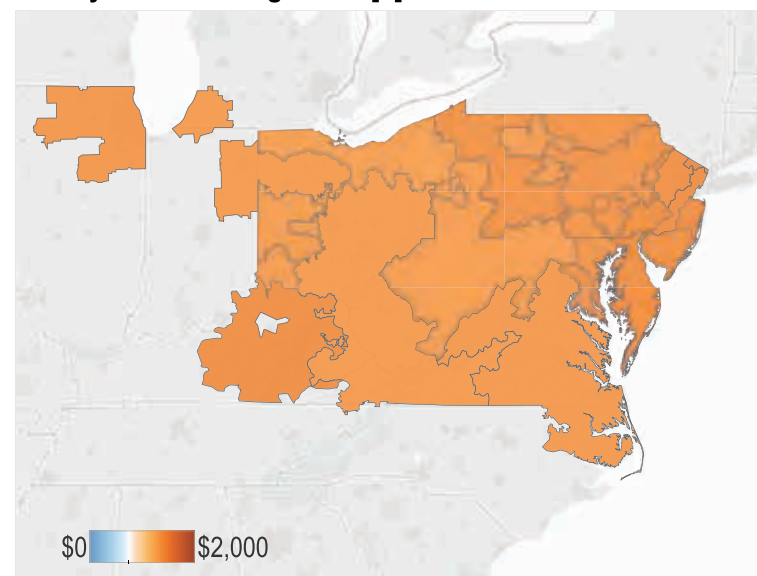
Legend



## Scenario: 317

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.45M

0	1	5	6	8	9	19	32	50	66	73	71	73	57
---	---	---	---	---	---	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

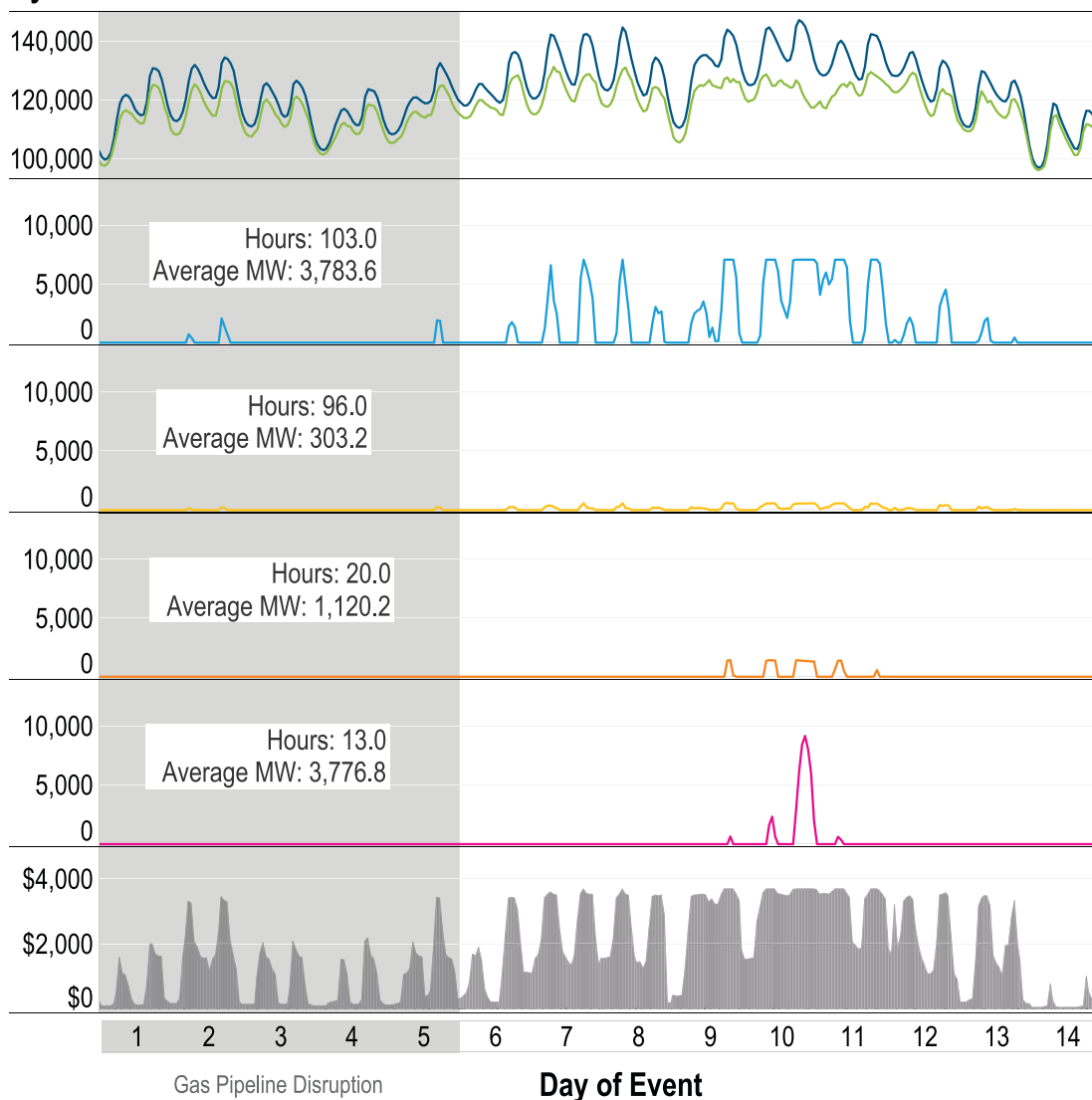
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



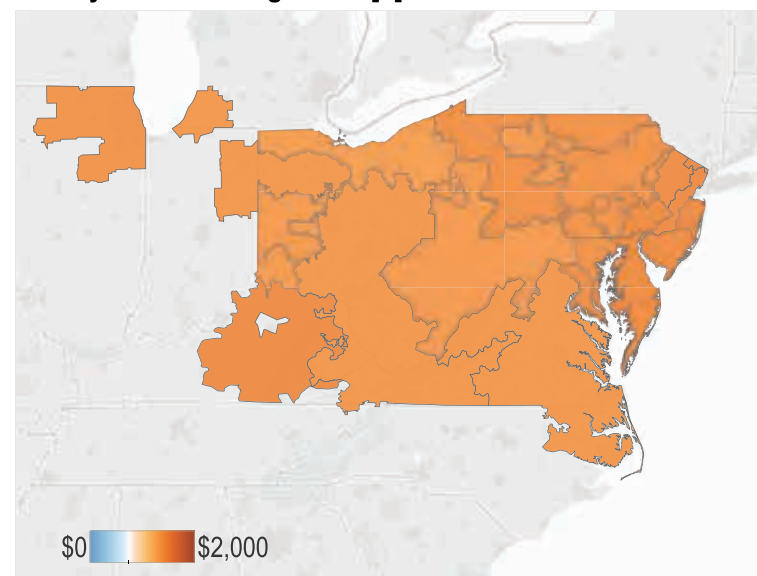
Legend



## Scenario: 318

Load:	Extreme
Refueling:	Limited
Disruption:	Single 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.56M

0	2	4	4	7	8	18	34	47	64	72	70	72	57
---	---	---	---	---	---	----	----	----	----	----	----	----	----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

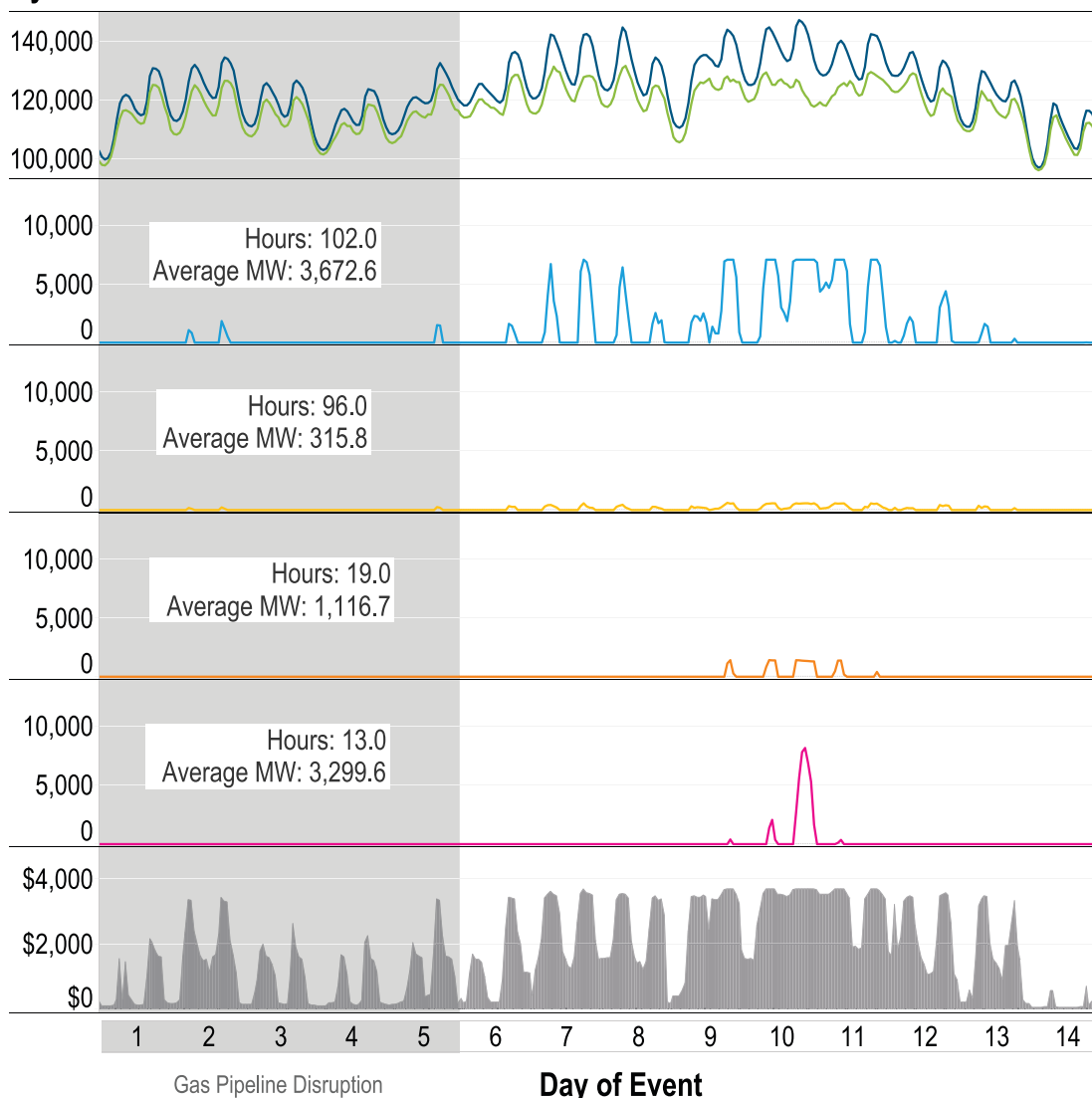
\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.



## System Overview



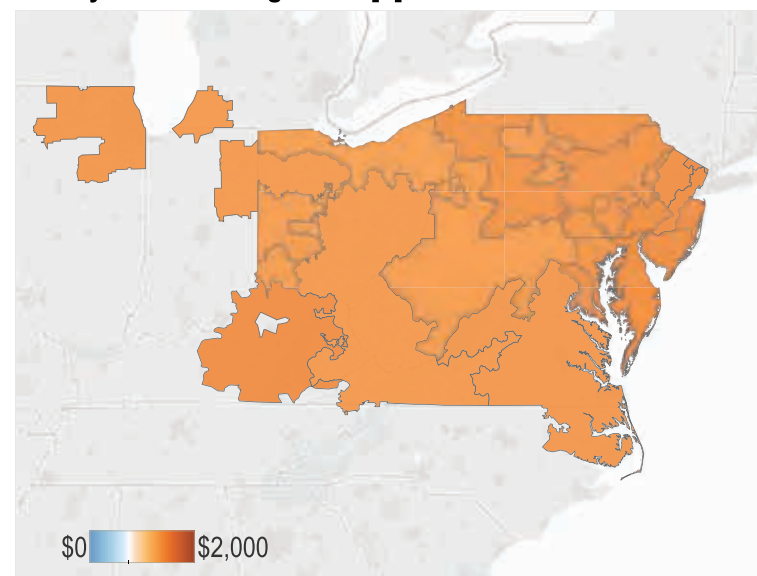
Legend



## Scenario: 319

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.48M

0	1	4	6	8	9	19	32	49	64	72	70	72	57
---	---	---	---	---	---	----	----	----	----	----	----	----	----

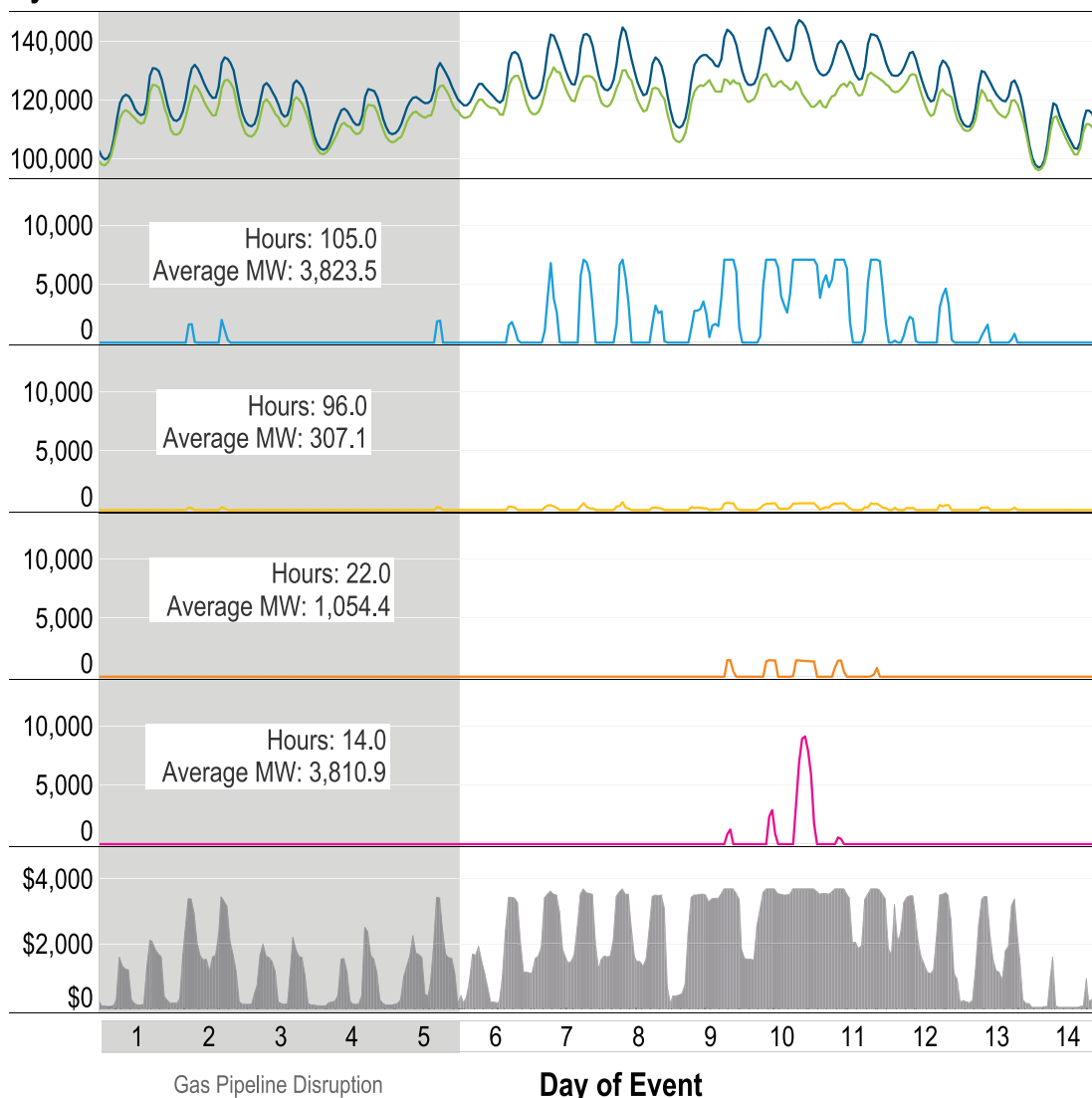
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



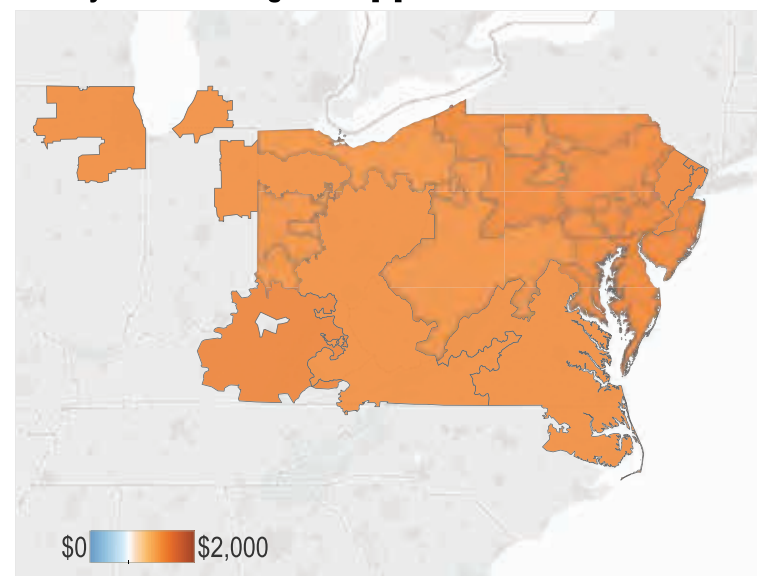
Legend



## Scenario: 320

Load:	Extreme
Refueling:	Limited
Disruption:	Single 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



## Sites Out of Oil

Oil Barrels Burned: 3.66M

0	1	5	5	8	11	22	36	50	66	73	71	74	58
---	---	---	---	---	----	----	----	----	----	----	----	----	----

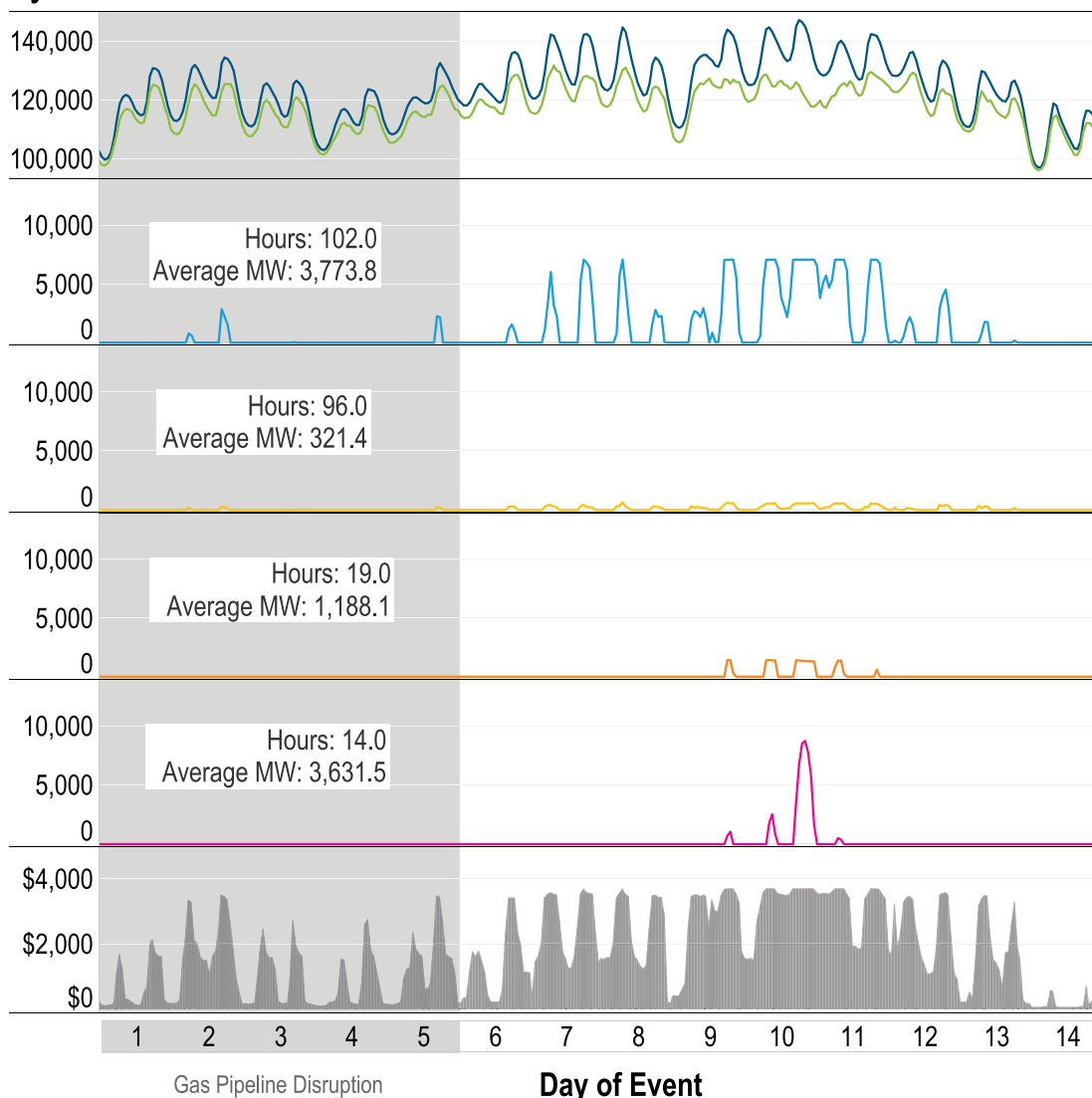
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



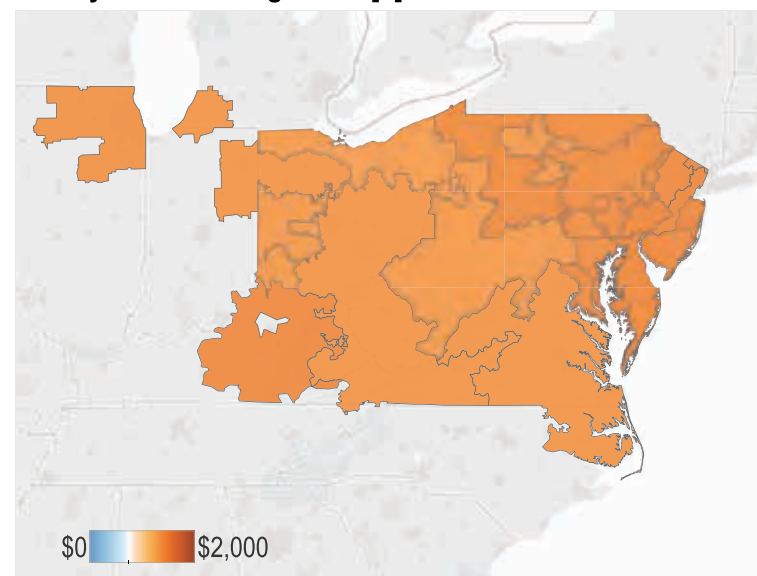
Legend



## Scenario: 321

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.50M

0	3	6	7	9	14	28	40	51	67	76	73	75	60
---	---	---	---	---	----	----	----	----	----	----	----	----	----

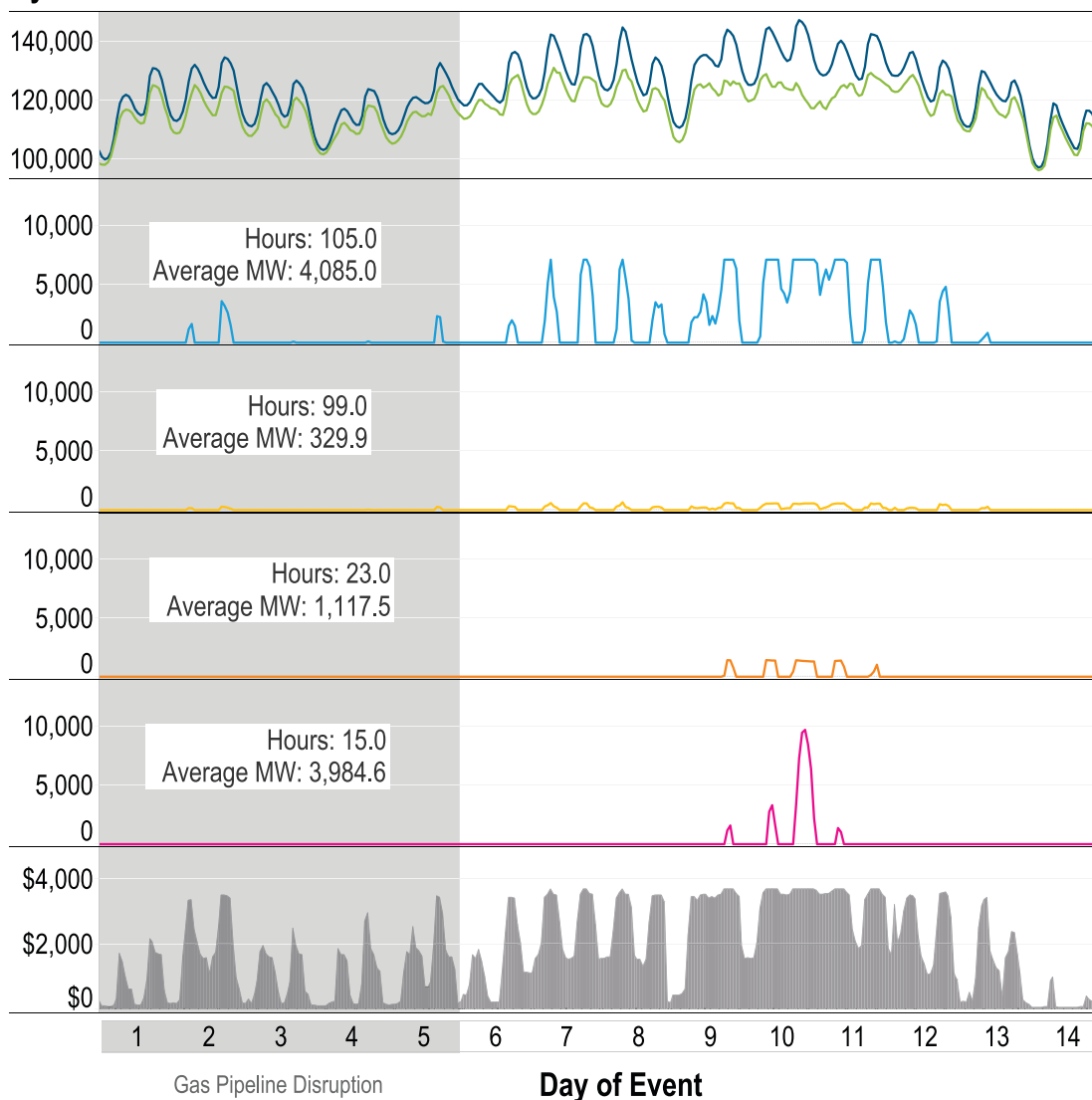
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



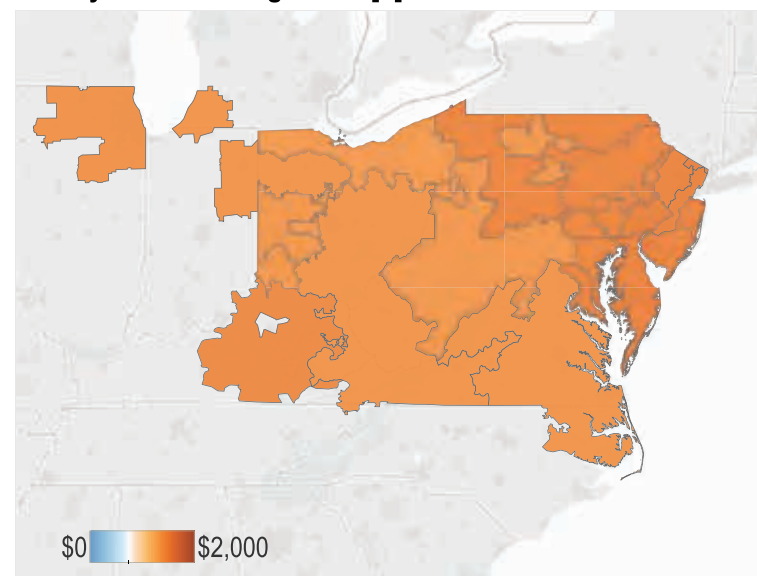
Legend



## Scenario: 322

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 1 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.65M

0	4	5	8	10	13	29	44	57	70	76	77	75	60
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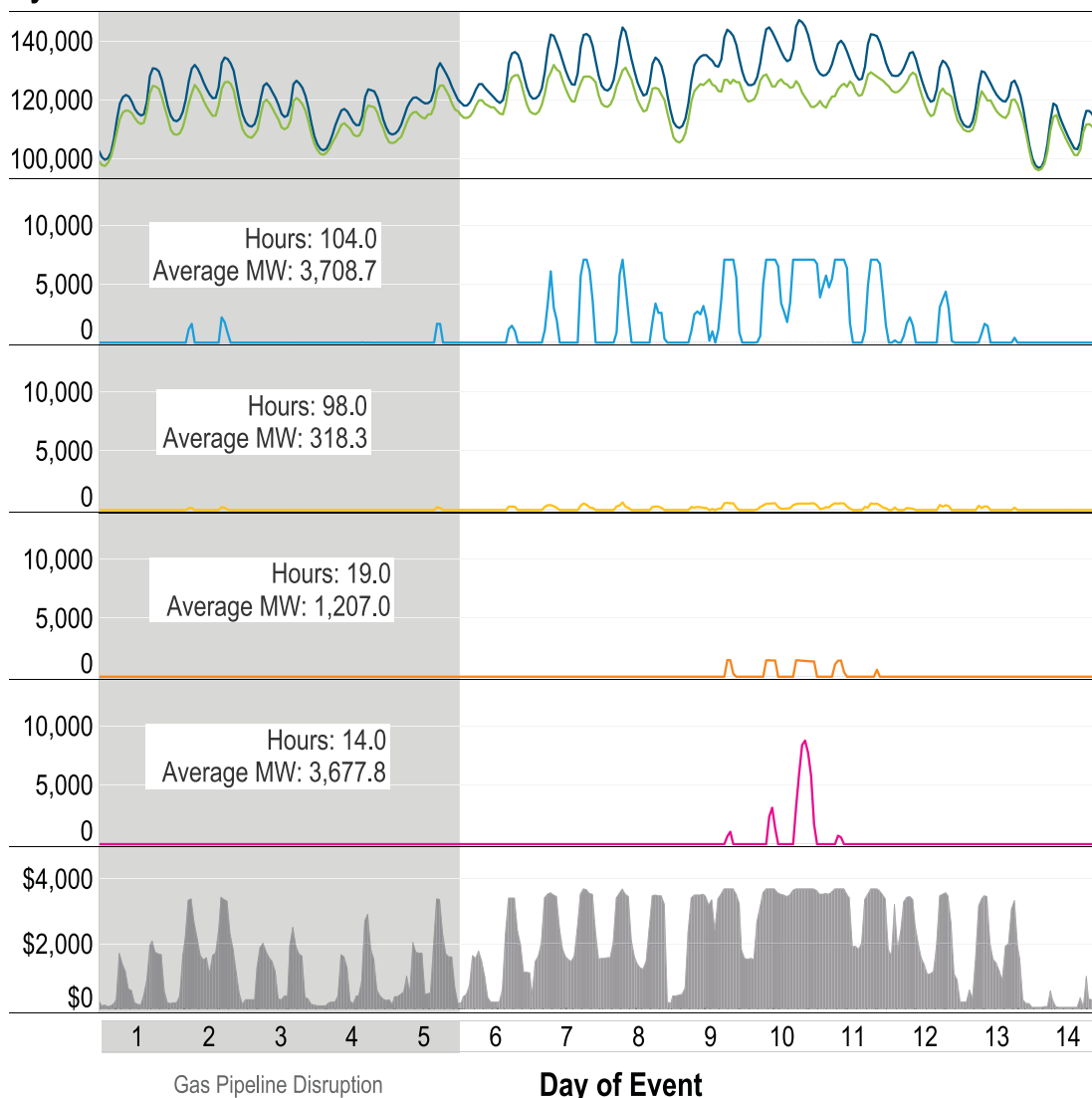
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



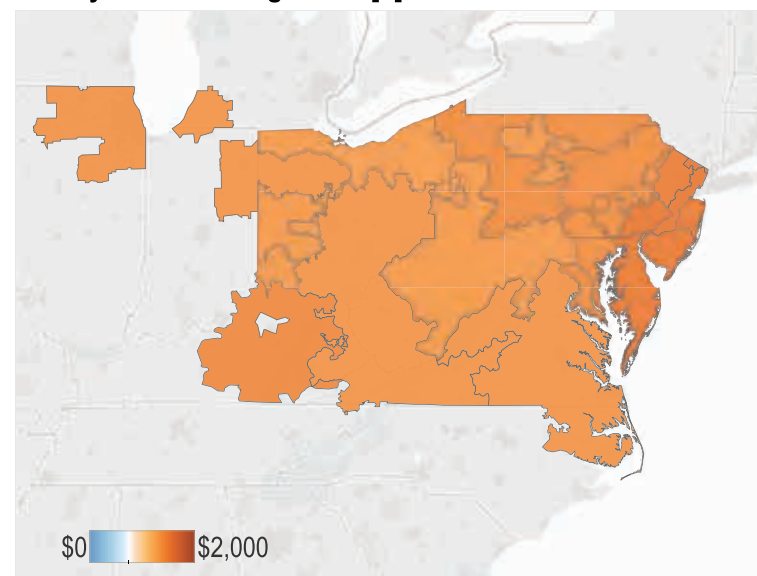
Legend



## Scenario: 323

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 Medium
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.55M

0	4	5	6	8	8	24	39	50	66	73	69	73	57
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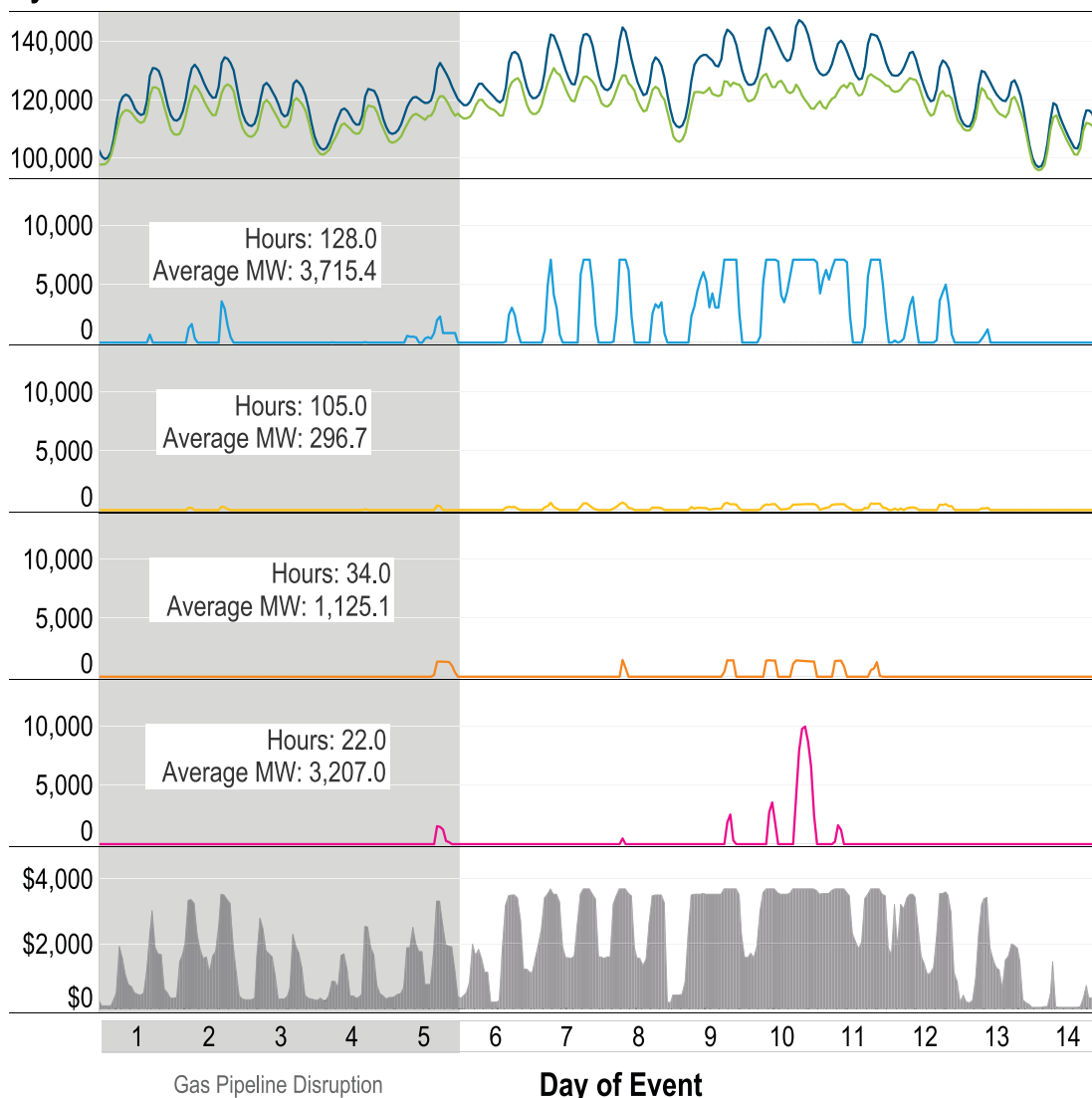
1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.

## System Overview



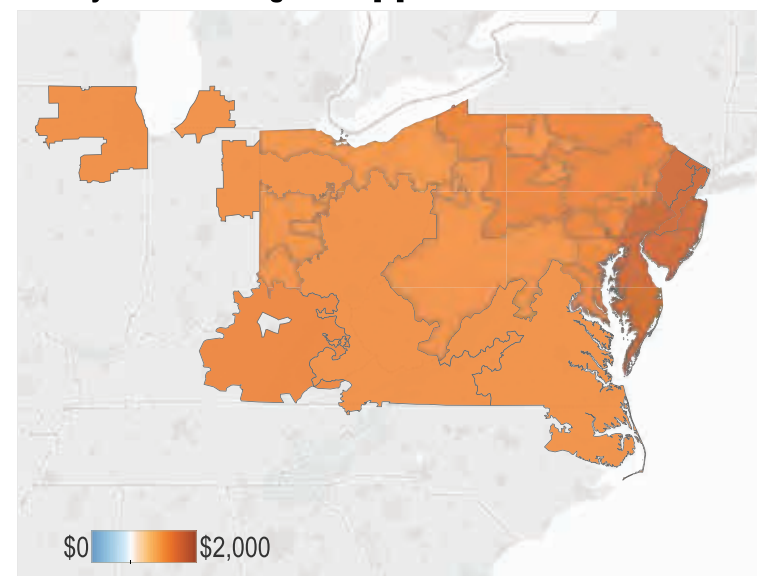
Legend



## Scenario: 324

Load:	Extreme
Refueling:	Limited
Disruption:	Looped 2 High
Non-Firm Avail:	0%
Retirement:	Escalated 2 (16 GW)
Dispatch:	Max Emergency

## Hourly Zonal Average LMP [\$]



Sites Out of Oil

Oil Barrels Burned: 3.87M

0	6	7	9	13	17	36	51	61	76	81	79	77	63
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1	2	3	4	5	6	7	8	9	10	11	12	13	14
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\*141 Total Sites

Day of Event

Prices shown are products of the input assumptions and do not represent forecasts of actual prices.