



EDRP/SCR Scarcity Pricing Outcomes: July 15th 2013 – July 19th 2013

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Background

- ◆ On July 8th, FERC ordered NYISO to activate its new Scarcity Pricing rules, effective July 8th.
- ◆ During the week of July 15th, 2013, NYISO activated demand-side resources participating in NYISO's EDRP and SCR programs on five days.
- ◆ The purpose of this presentation is to provide transparency on the pricing outcomes during these events.

Activation events

Date	Activated Hours	Zones	Activated MWs*
July 15 th	13:00-18:00	G-K	555.9
July 16 th	13:00-18:00	G-K	555.9
July 17 th	13:00-18:00	G-K	555.9
July 18 th	12:00-18:00	G-K	555.9
July 18 th	13:00-18:00	A-F	712.9
July 19 th	12:00-18:00	G-K	555.9
July 19 th	13:00-18:00	A-F	712.9

- ◆ This presentation will recap the resulting pricing outcomes from each of the above EDRP/SCR activation events.

* Activated MWs are based on the EDRP/SCR ICAP values

Summary of pricing outcomes

◆ “But For” test

- *Significant majority of intervals passed the LBMP and Ancillary “but for” test.*

Day	Time	Activated Zones	% Intervals passing LBMP “but for” test	% Intervals passing NYCA Ancillary “but for” test	% Intervals passing EAST Ancillary “but for” test
July 15th	13:00-18:00	G-K	86%	3%	86%
July 16th	13:00-18:00	G-K	55%	0%	54%
July 17th	13:00-18:00	G-K	89%	76%	89%
July 18th	12:00-13:00	G-K	100%	0%	100%
July 18th	13:00-18:00	A-K	100%	100%	100%
July 19th	12:00-13:00	G-K	100%	33%	100%
July 19th	13:00-18:00	A-K	100%	100%	100%

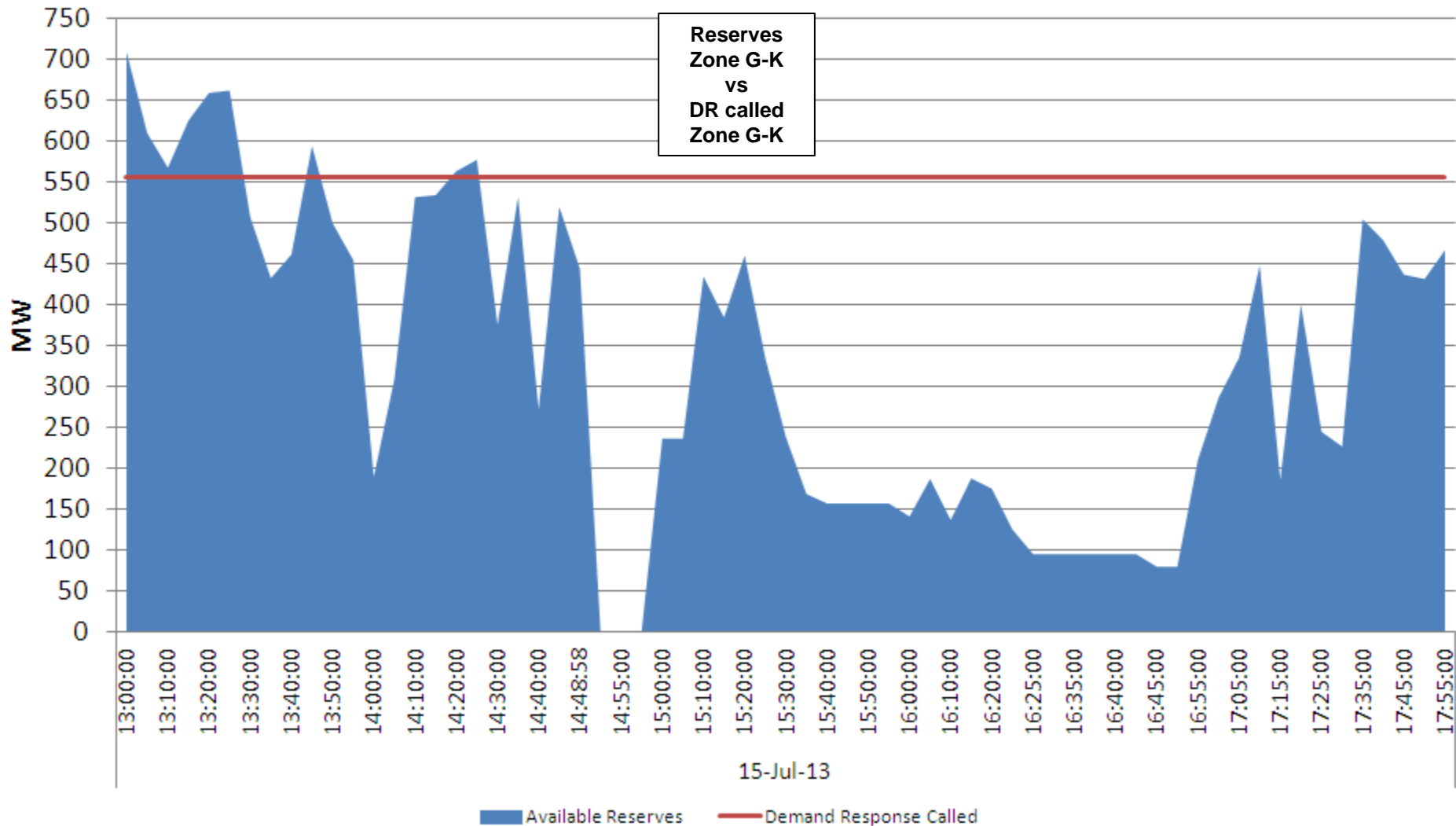
- *The table shows the % of real-time intervals, across all zones in which EDRP/SCR was activated, that the Available Reserves in the activated zones and/or reserve area was less than the called EDRP/SCR MWs. This is known as the “but for” test.*
 - The LBMP “but for” test compares the available reserves in the activated EDRP/SCR zones against the total called EDRP/SCR MWs.
 - For example, on July 15th, 86% of all real-time intervals had fewer Available Reserves in zones G-K than the amount of EDRP/SCR MWs called in those same zones.
 - The ancillary “but for” test compares the available reserves in a reserve region (e.g. EAST, NYCA) against the total called EDRP/SCR MWs.
 - For example, on July 16th, 54% of all real-time intervals had fewer Available Reserves in the East than the amount of EDRP/SCR MWs called in zones G-K.

Summary of pricing outcomes

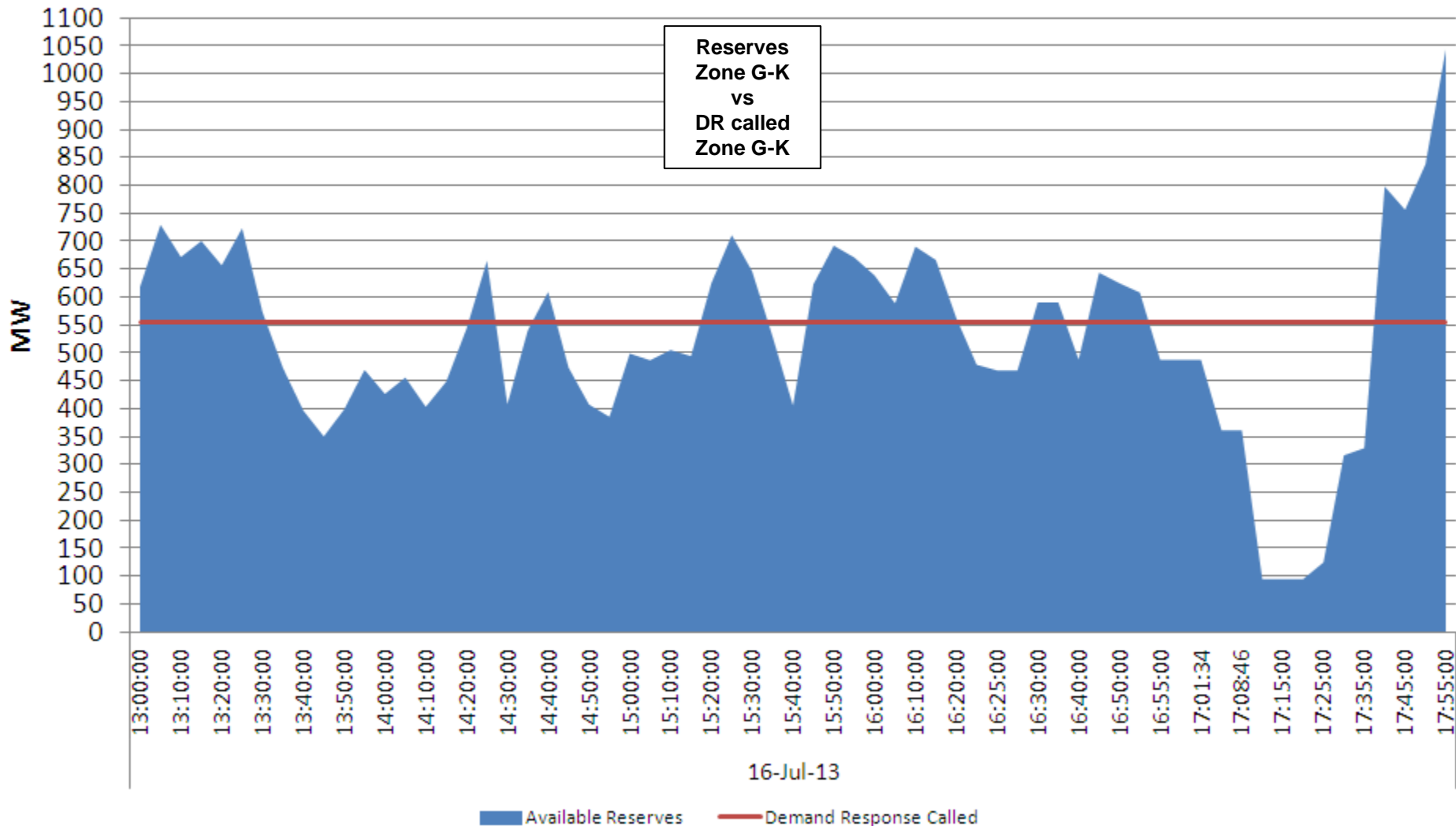
♦ Observations

- *Of those intervals that passed the “but for” test, there were still some instances each day where the original RTD LBMPs were higher than the calculated scarcity LBMPs, and thus, the original total RTD LBMPs prevailed.*
- *On 7/18 and 7/19, Zone E was activated (along with all NYCA Zones). Since the NYISO Reference Bus is in Zone E and had its LBMP set by scarcity pricing, the congestion component of all other LBMPs is affected, even those LBMPs that were higher than the scarcity price. See Section 17.1.2.2.1 of the MST for more details.*
- *The LBMP and Ancillary “but for” tests both passed consistently in nearly all intervals. Only one interval (7/16 17:35) passed the LBMP “but for” test for activated zones while at the same time the operating reserve region associated with those activated zone failed its Ancillary Services “but for” test.*

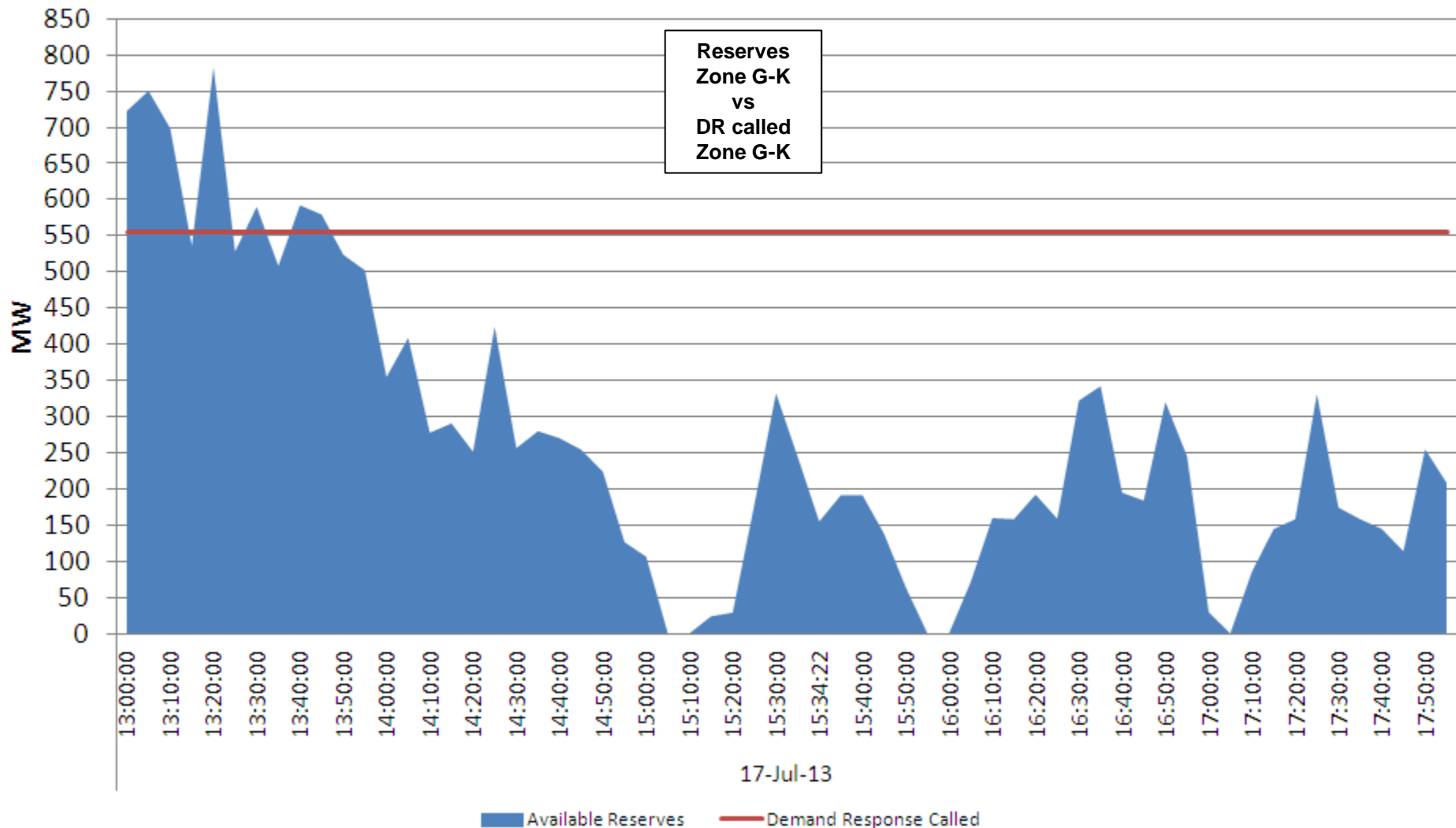
July 15th: Available Reserves vs. Demand Response



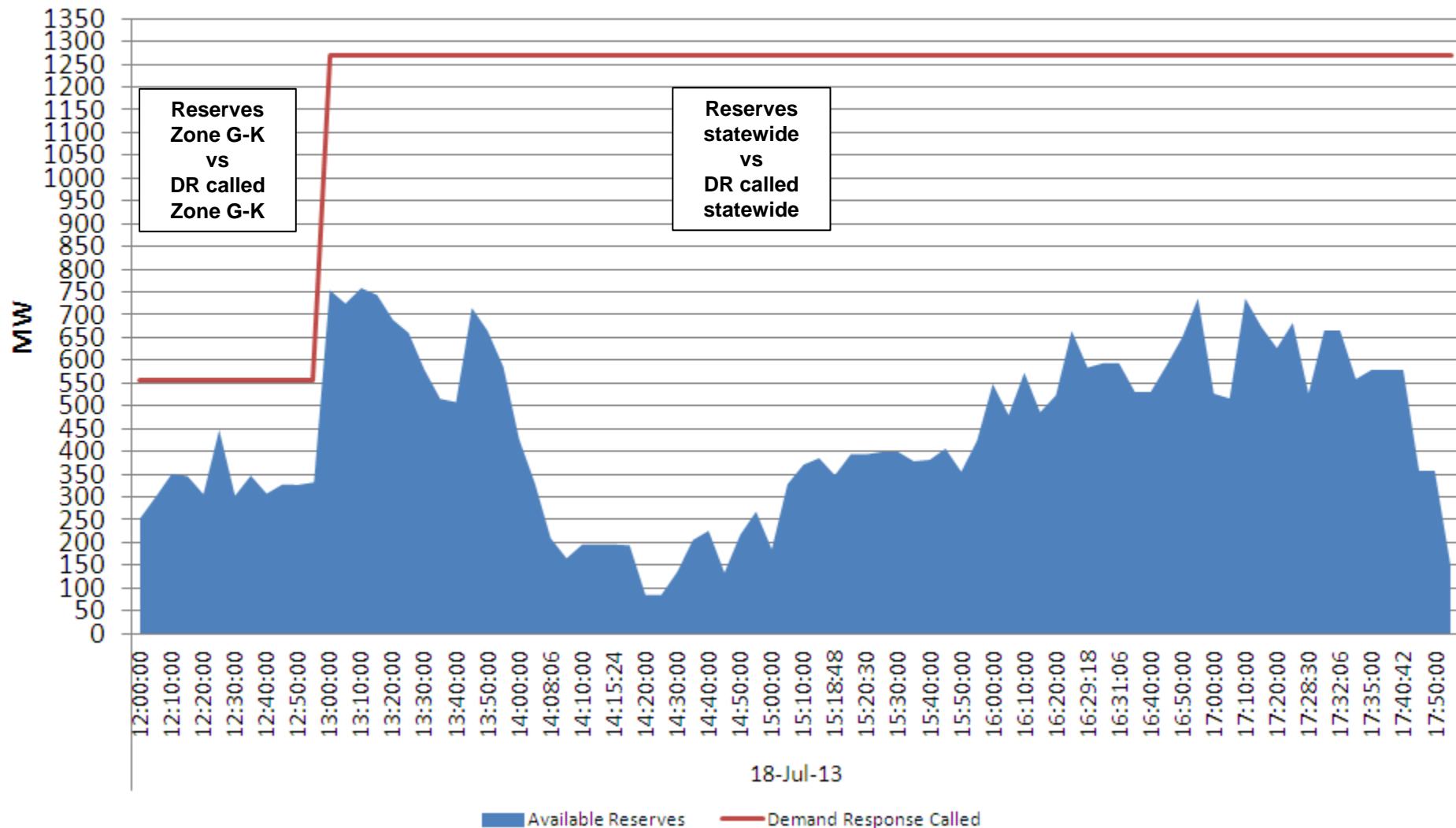
July 16th: Available Reserves vs. Demand Response



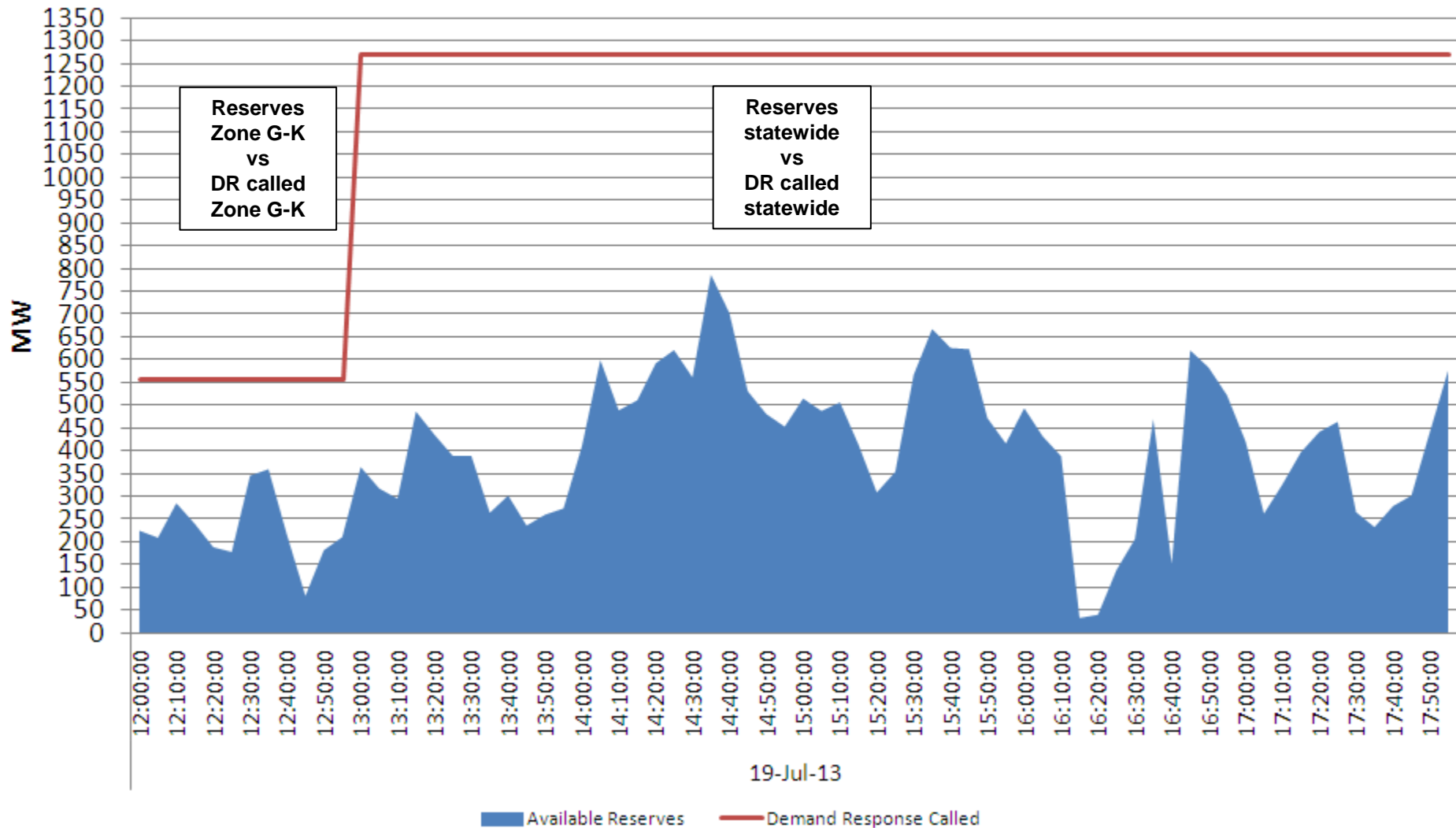
July 17th: Available Reserves vs. Demand Response



July 18th: Available Reserves vs. Demand Response



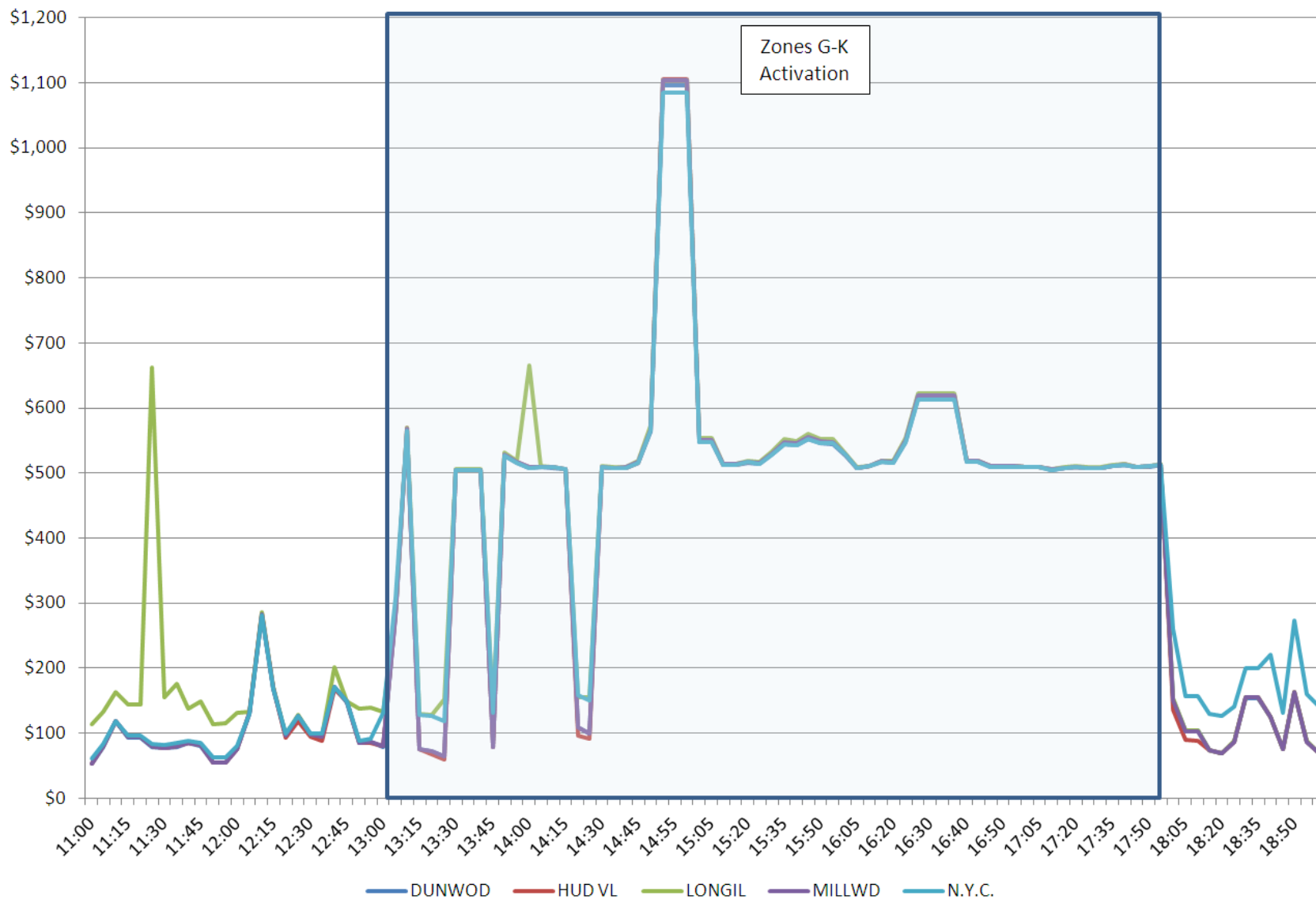
July 19th: Available Reserves vs. Demand Response



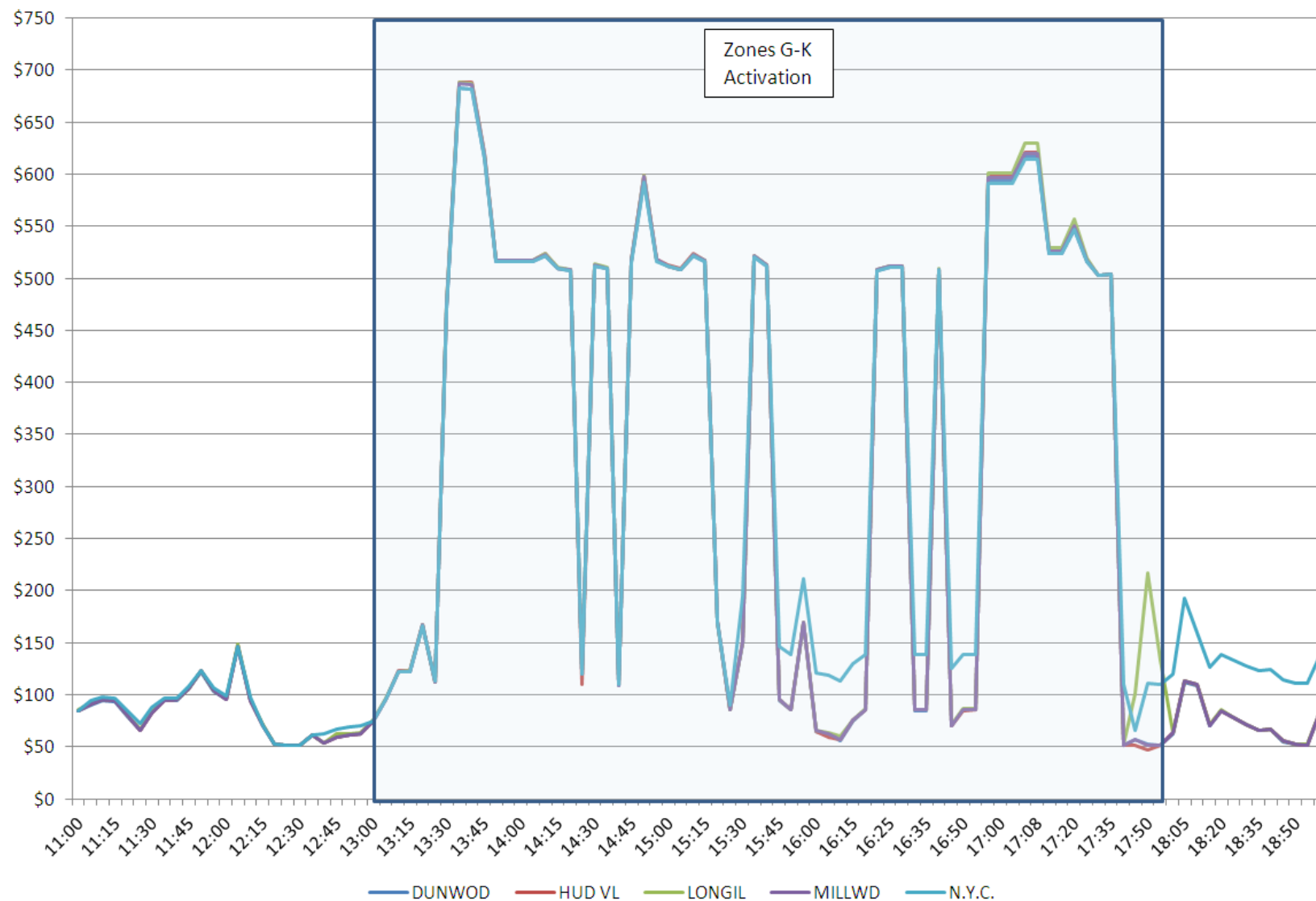
Appendix

Daily pricing outcomes

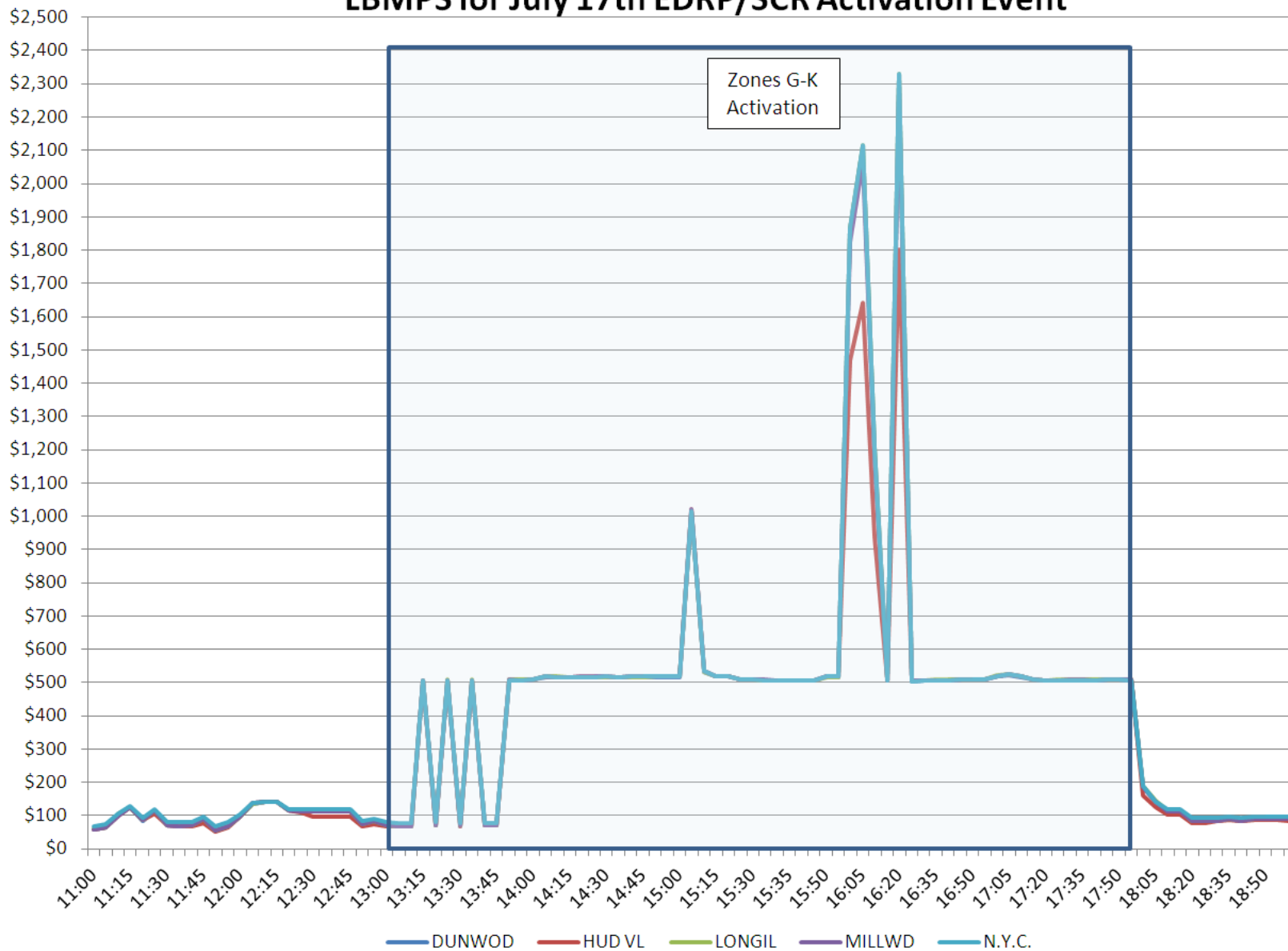
LBMPs for July 15th EDRP/SCR Activation Event



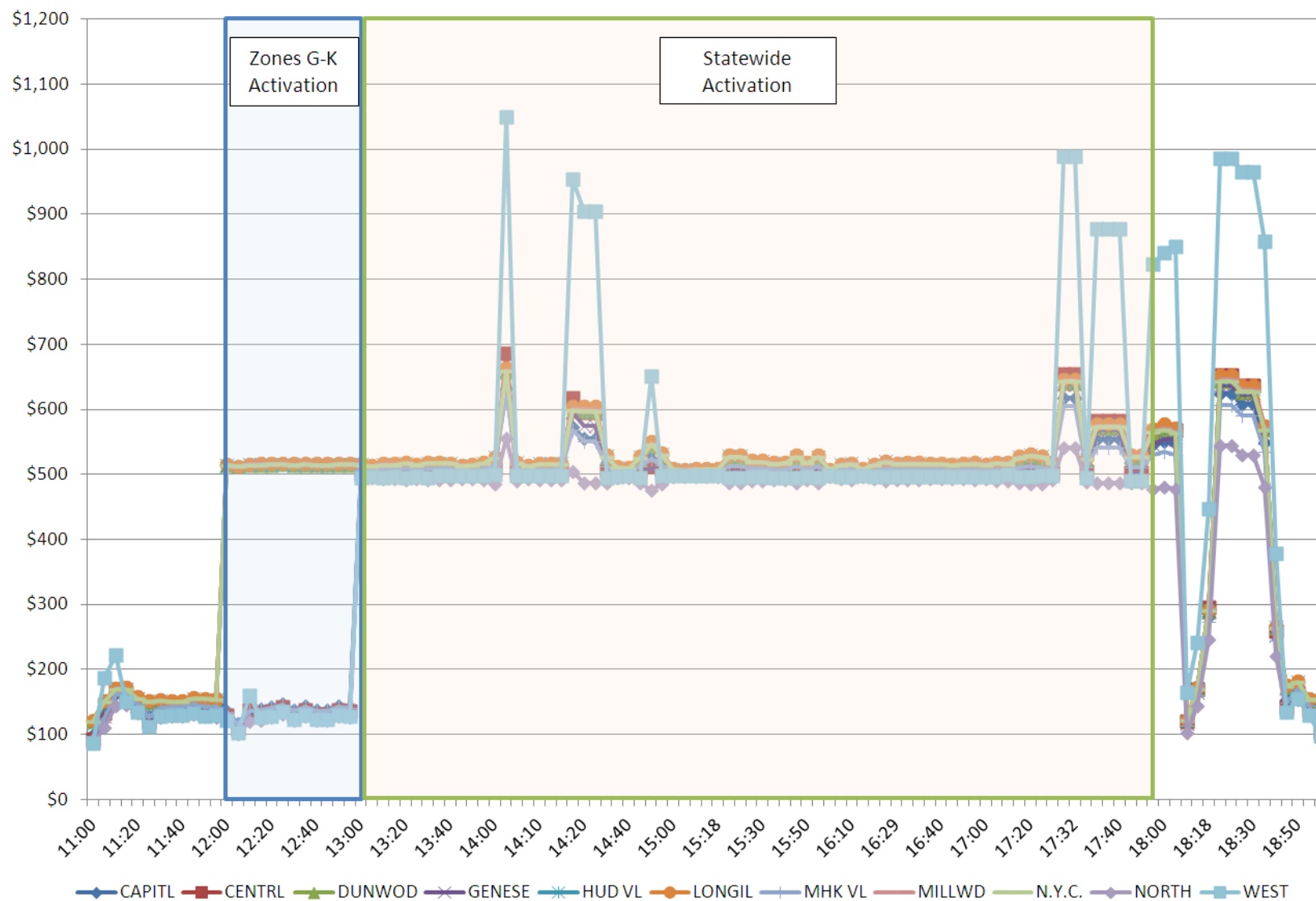
LBMPs for July 16th EDRP/SCR Activation Event



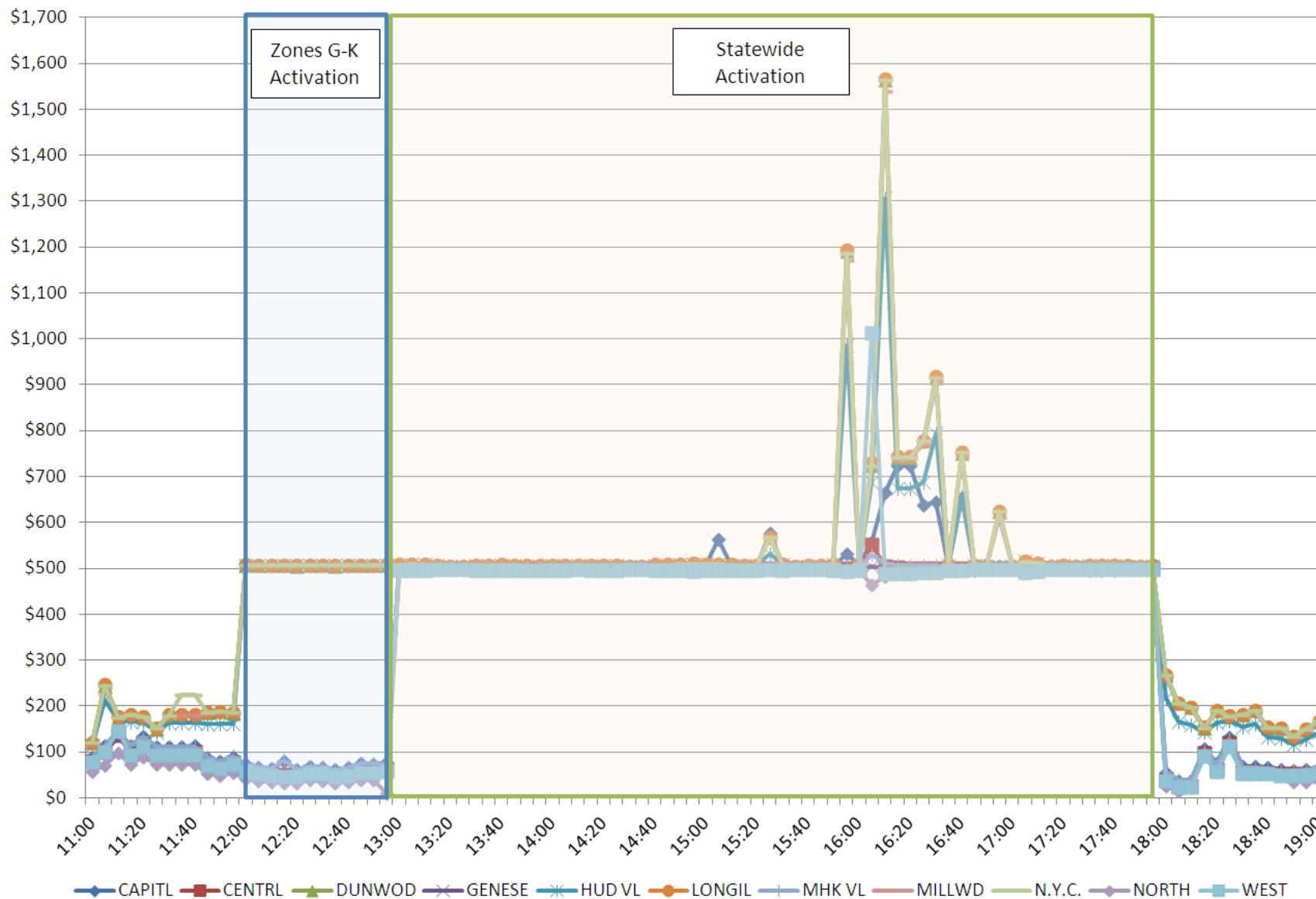
LBMPS for July 17th EDRP/SCR Activation Event



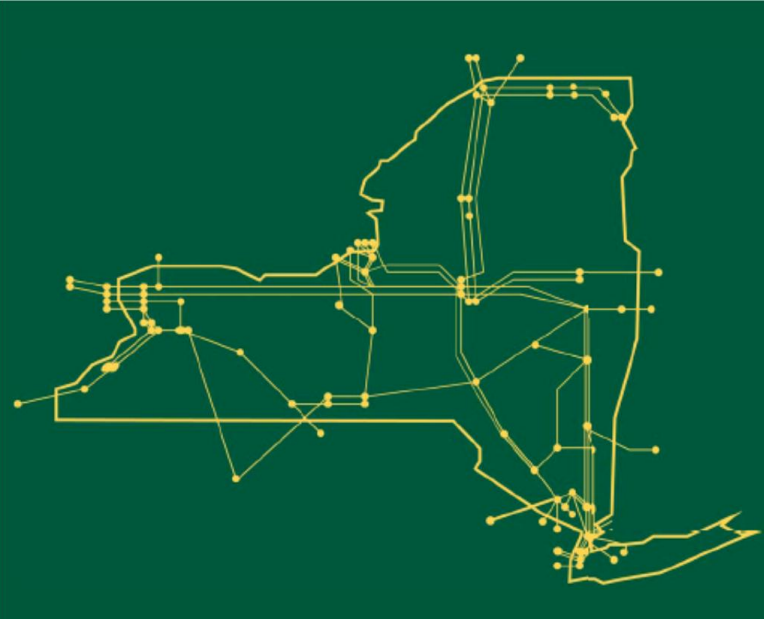
LBMPs for July 18th EDRP/SCR Activation Event



LBMPs for July 19th EDRP/SCR Activation Event



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