

To the Public Utility Commission of Texas

## ERCOT Wholesale Electricity Market Monthly Report

Report Date: Tuesday, December 11, 2012

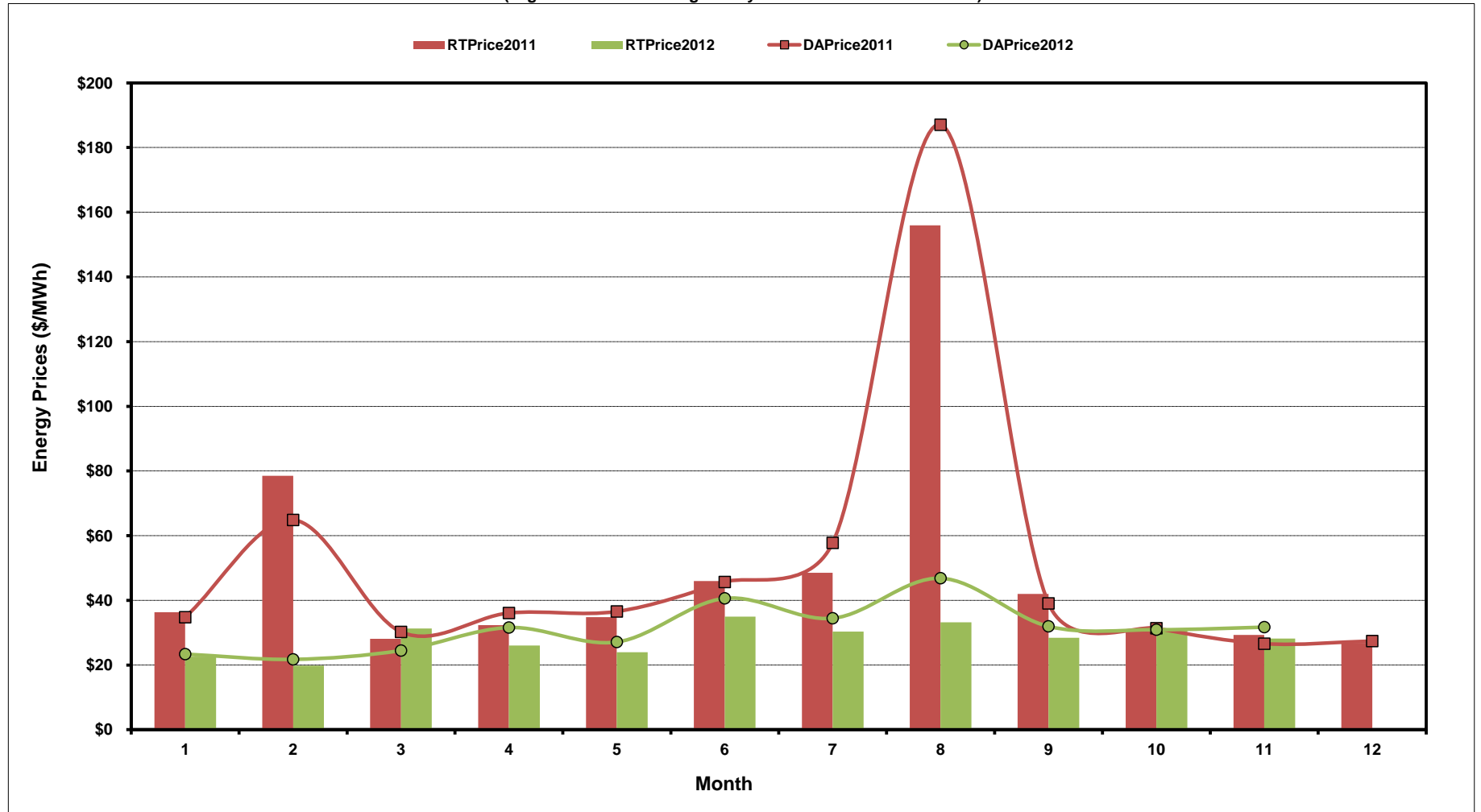
Report By: Potomac Economics, LTD  
Independent Market Monitor

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## ERCOT-Wide Average Energy Prices DA vs RT

(avg. DA & RT SPPs weighted by Real Time Settlement Loads)



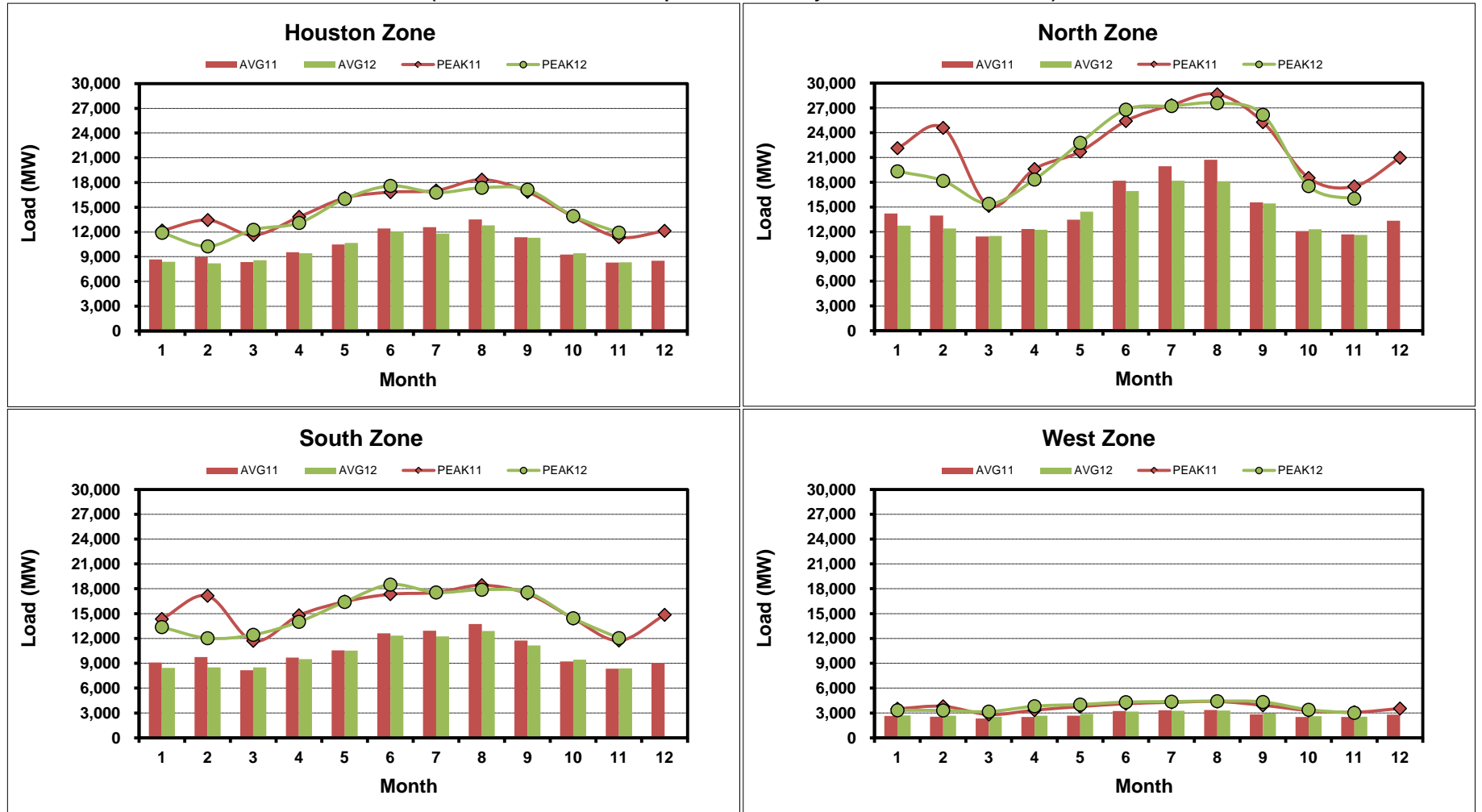
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# Load Zone Load Statistics

(Nodal load zone made comparable to zonal sytem Load Zone definitions\*)



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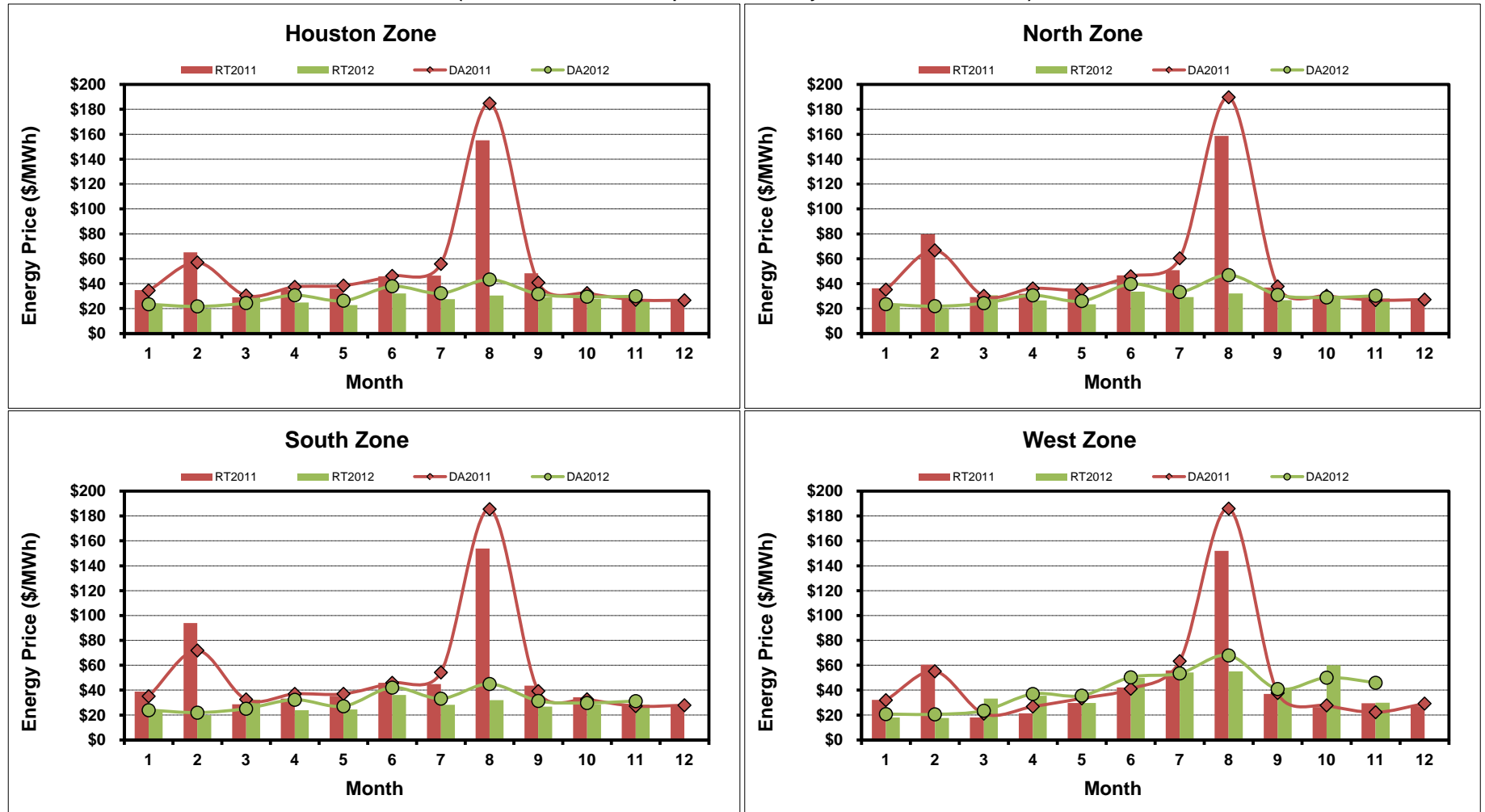
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**Note:** \* Zonal load zone definition vs. Nodal comparable load zone definition: LZ\_Houston=LZ\_Houston; LZ\_West=LZ\_West; LZ\_North=(LZ\_North,LZ\_RAYBN); LZ\_South=(LZ\_South,LZ\_CPS,LZ\_AEN,LZ\_LCRA)

# Load Zone Monthly Average Energy Price DA vs RT

(avg. DA & RT SPPs weighted by Real Time Settlement Loads)  
(Nodal load zone made comparable to zonal sytem Load Zone definitions\*)



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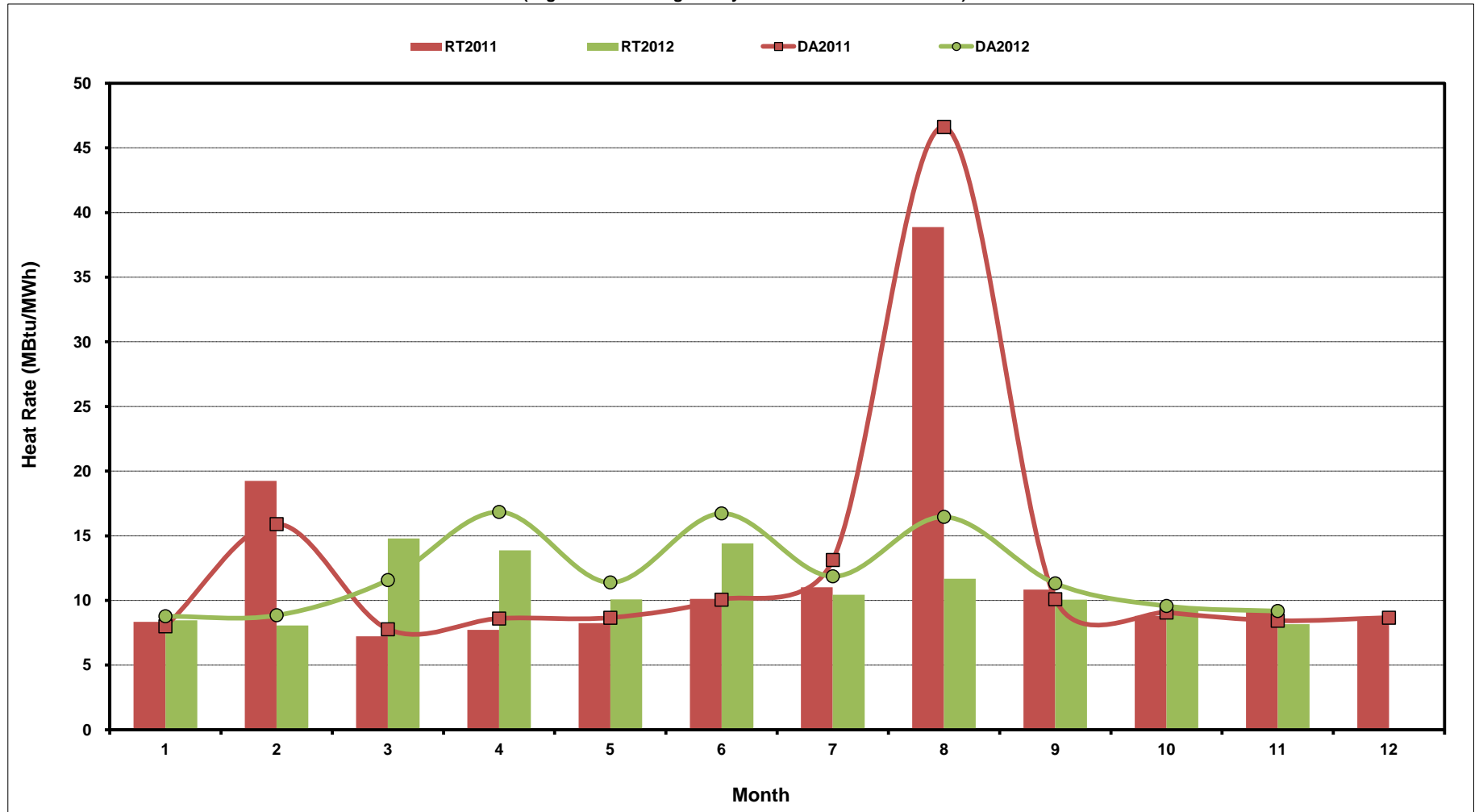
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**Note:** \* Zonal load zone definition vs. Nodal comparable load zone definition: LZ\_Houston=LZ\_Houston; LZ\_West=LZ\_West; LZ\_North=(LZ\_North,LZ\_RAYBN); LZ\_South=(LZ\_South,LZ\_CPS,LZ\_AEN,LZ\_LCRA)

## ERCOT-Wide Monthly Implied Heat Rate DA vs RT

(avg. heat rates weighted by Real Time Settlement Loads)



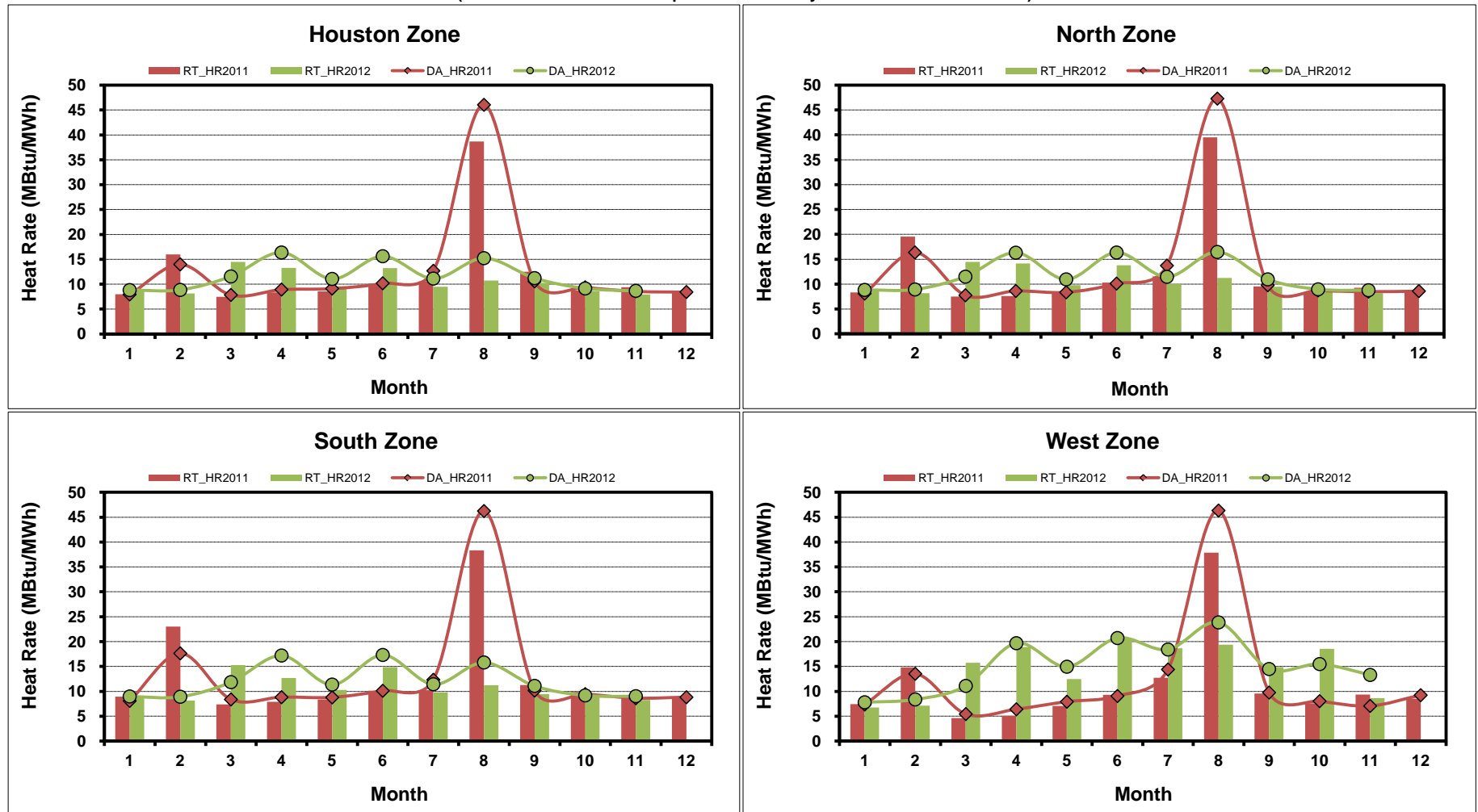
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# Load Zone Monthly Implied Heat Rate DA vs RT

(avg. heat rates weighted by Real Time Settlement Loads)  
(Nodal load zone made comparable to zonal sytem Load Zone definitions\*)



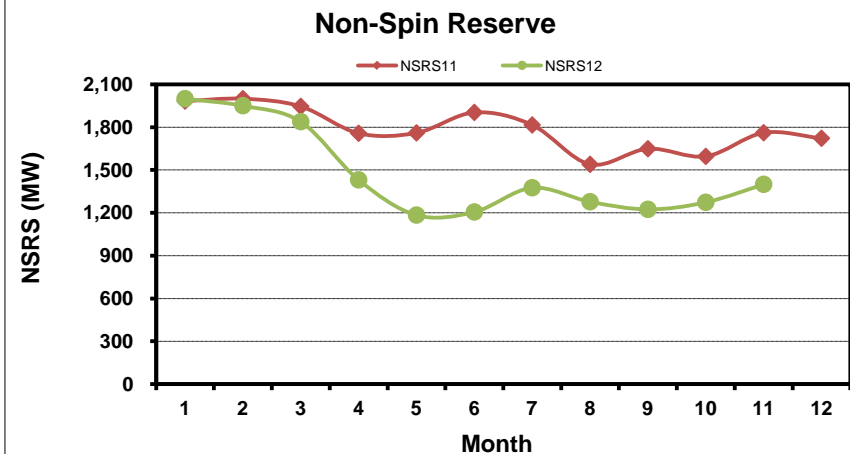
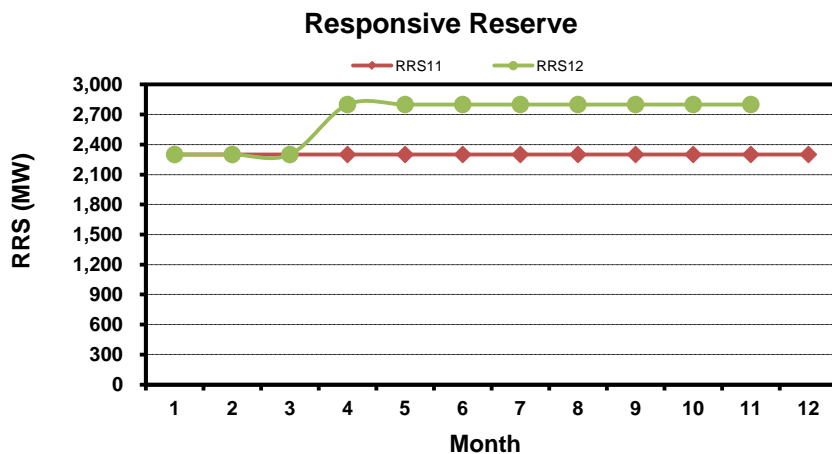
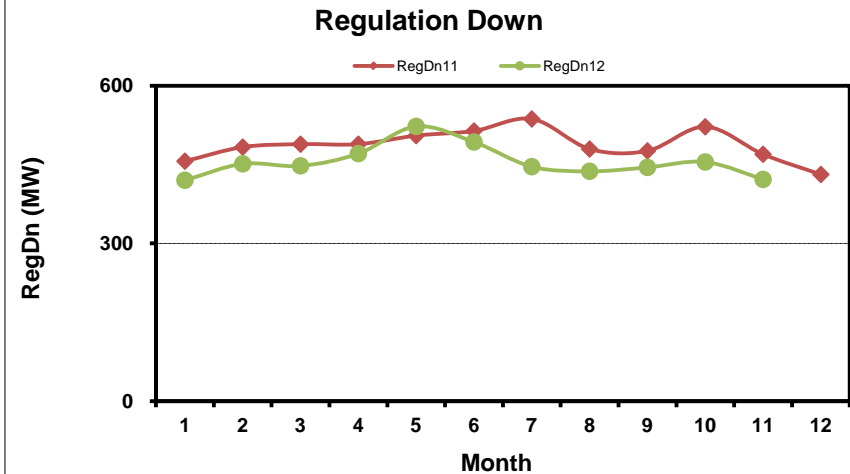
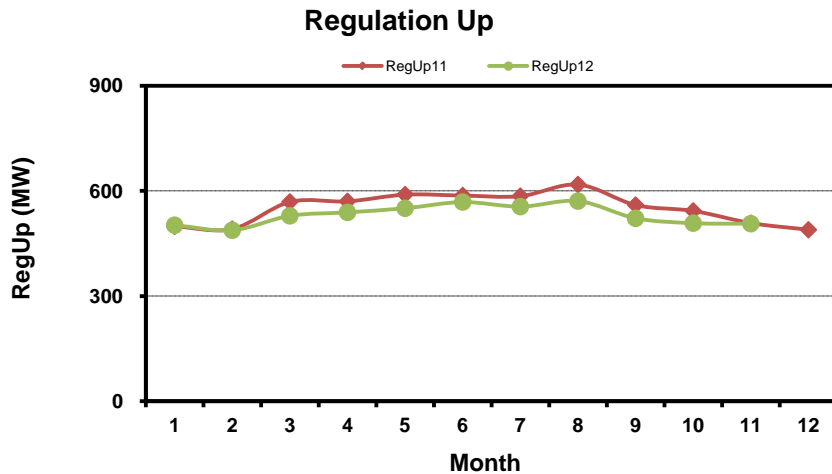
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**Note:** \* Zonal load zone definition vs. Nodal comparable load zone definition: LZ\_Houston=LZ\_Houston; LZ\_West=LZ\_West; LZ\_North=(LZ\_North,LZ\_RAYBN); LZ\_South=(LZ\_South,LZ\_CPS,LZ\_AEN,LZ\_LCRA)

## Monthly Average of Ancillary Services Required MW

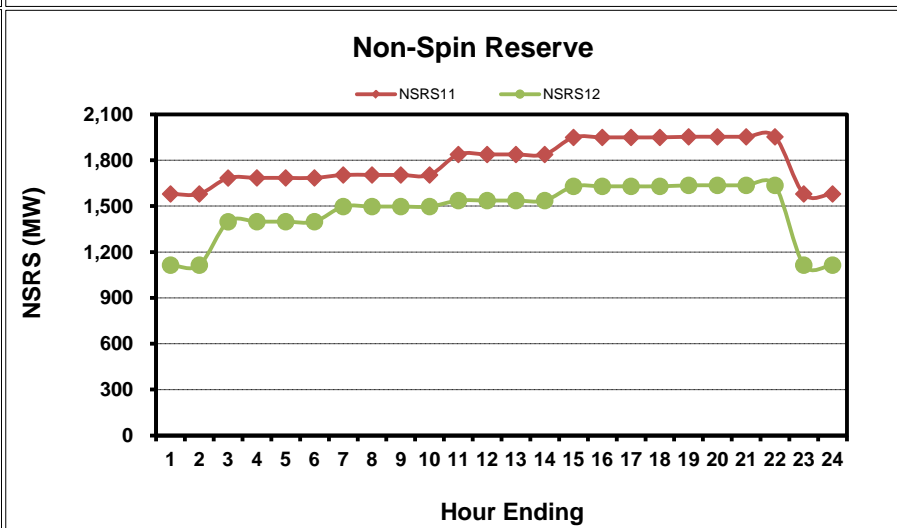
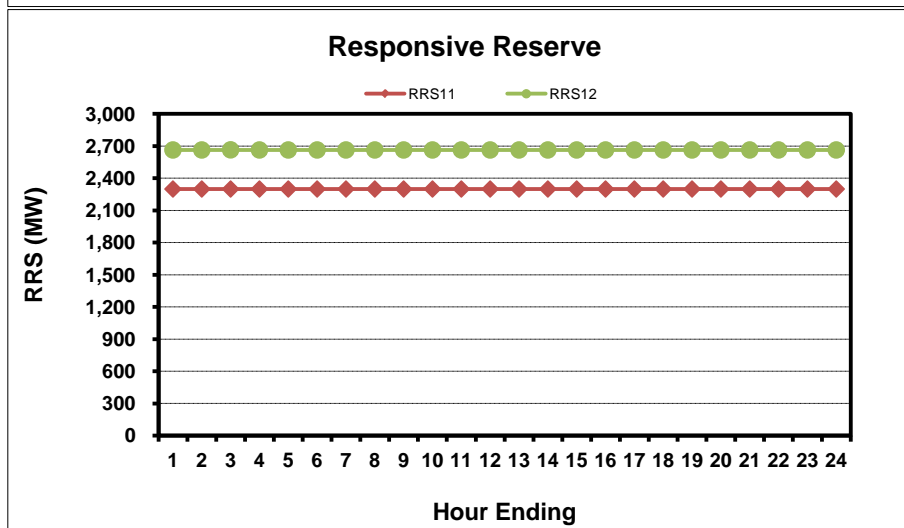
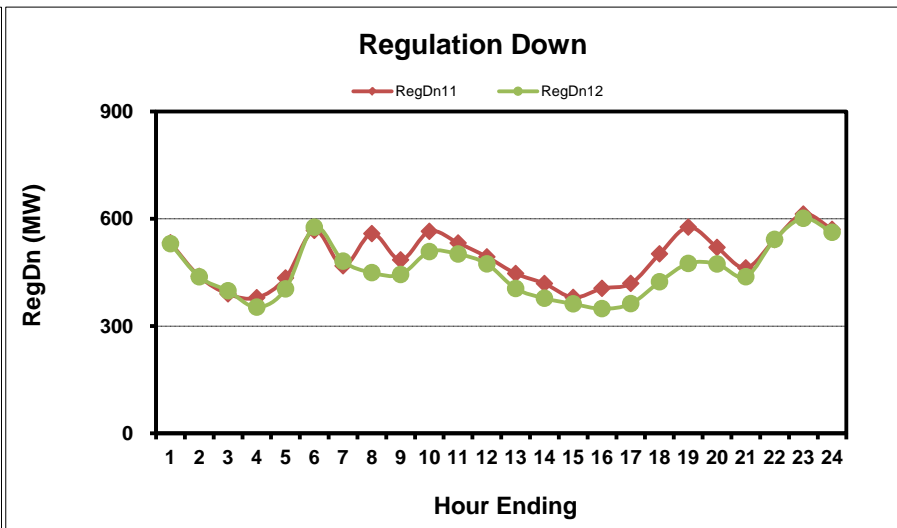
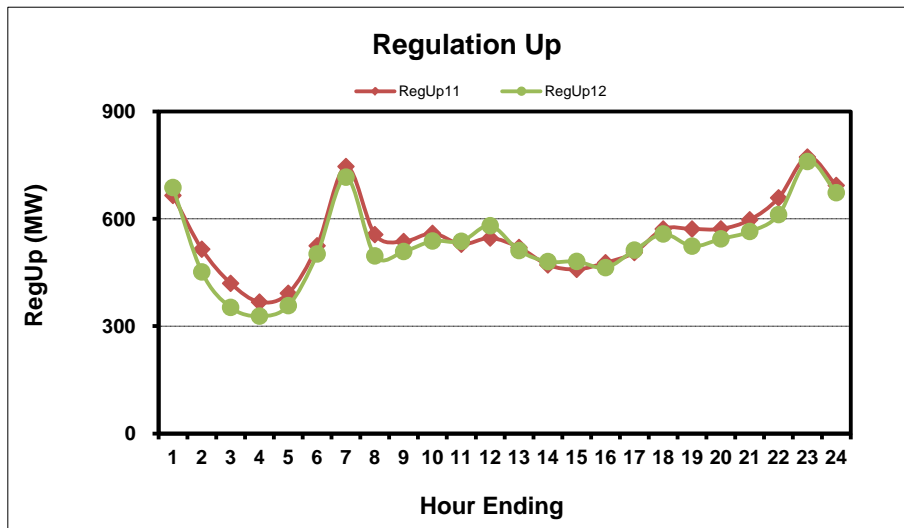


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## Hourly Average of Ancillary Services Required MW



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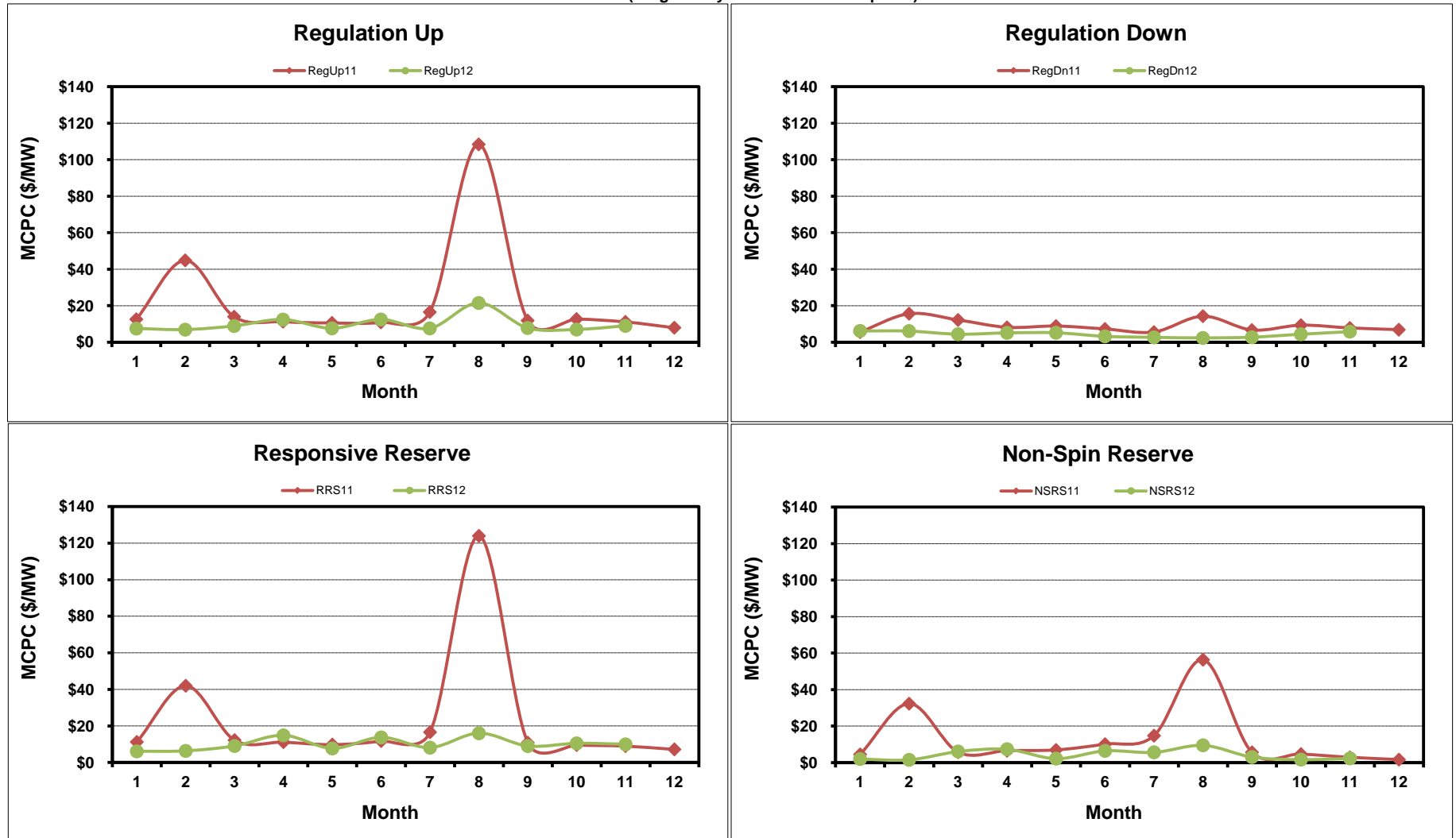
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# Monthly Average Ancillary Services Price

(weighted by A/S Quantities Required)

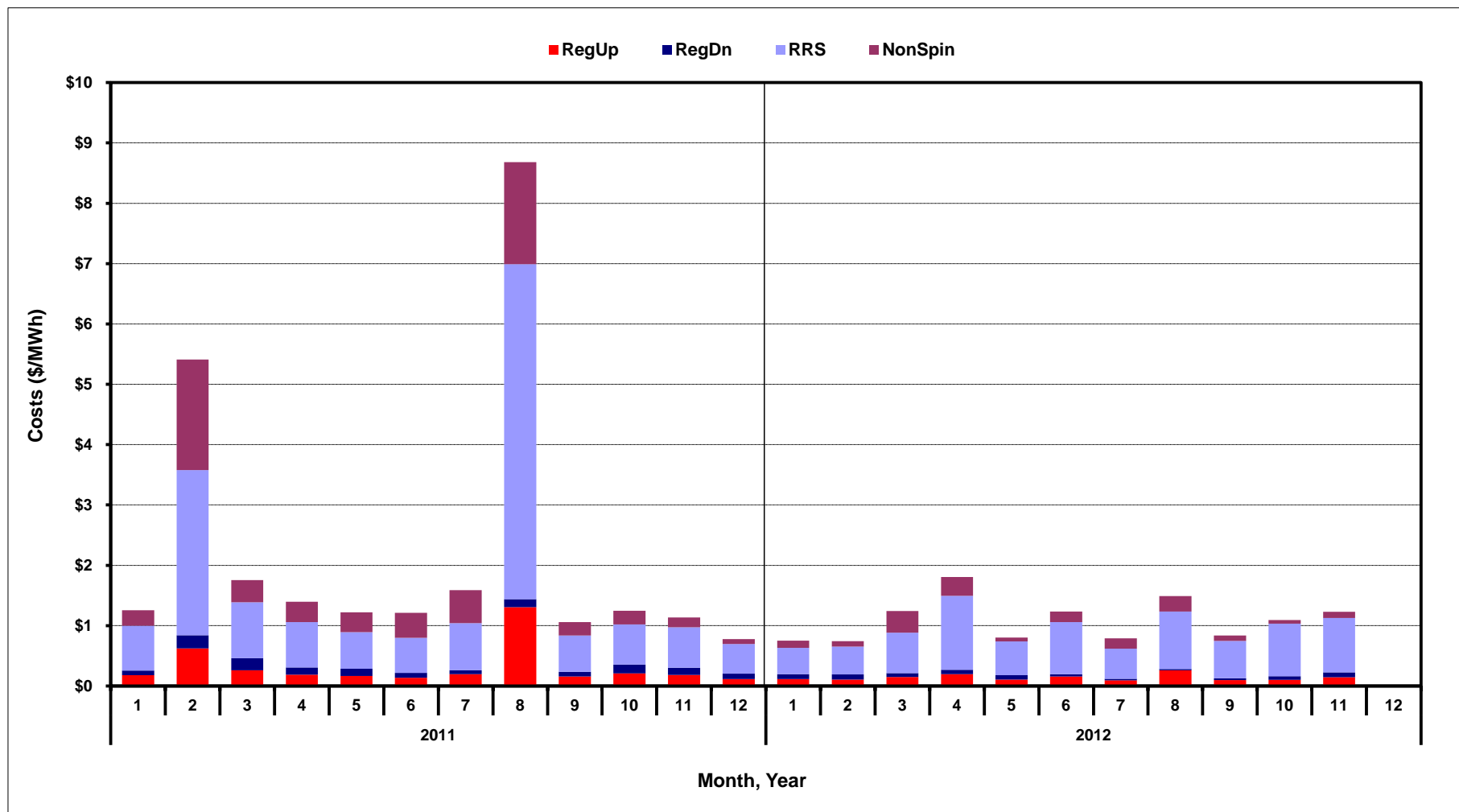


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## Monthly Average A/S Cost per MWh Load

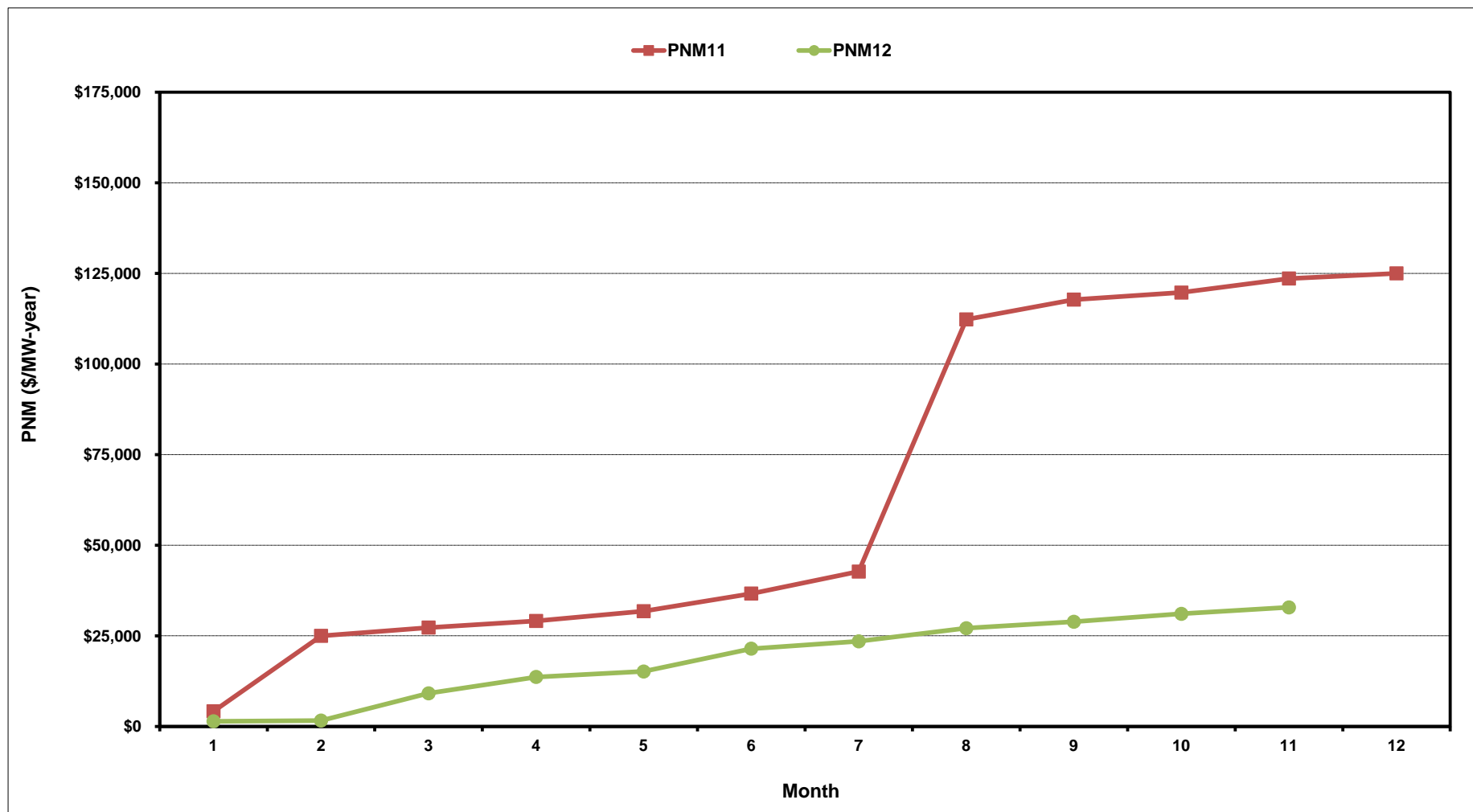


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## ERCOT-Wide Cumulative Peaker Net Margin

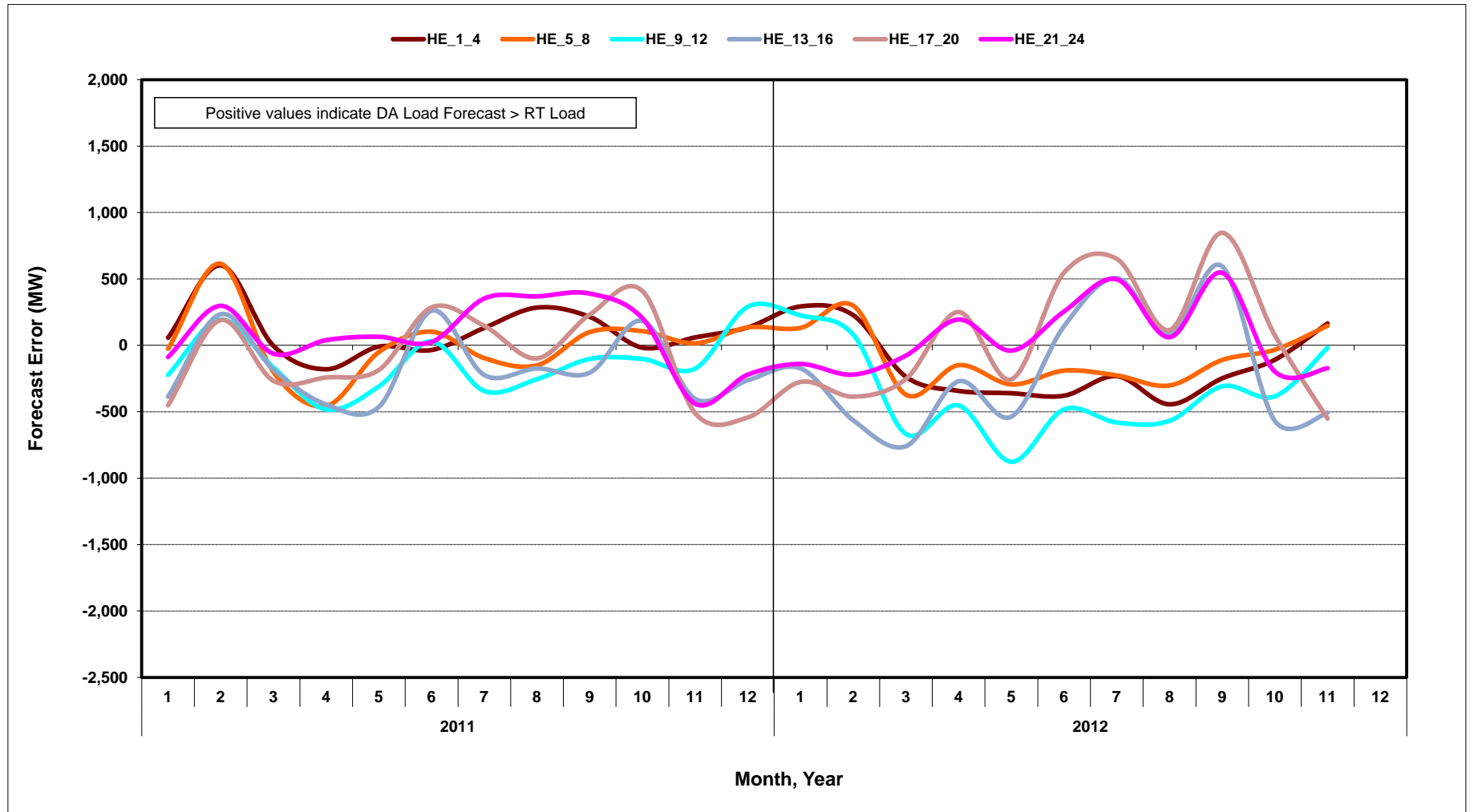


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## DA vs. RT Load Forecast Error by Hour Ending

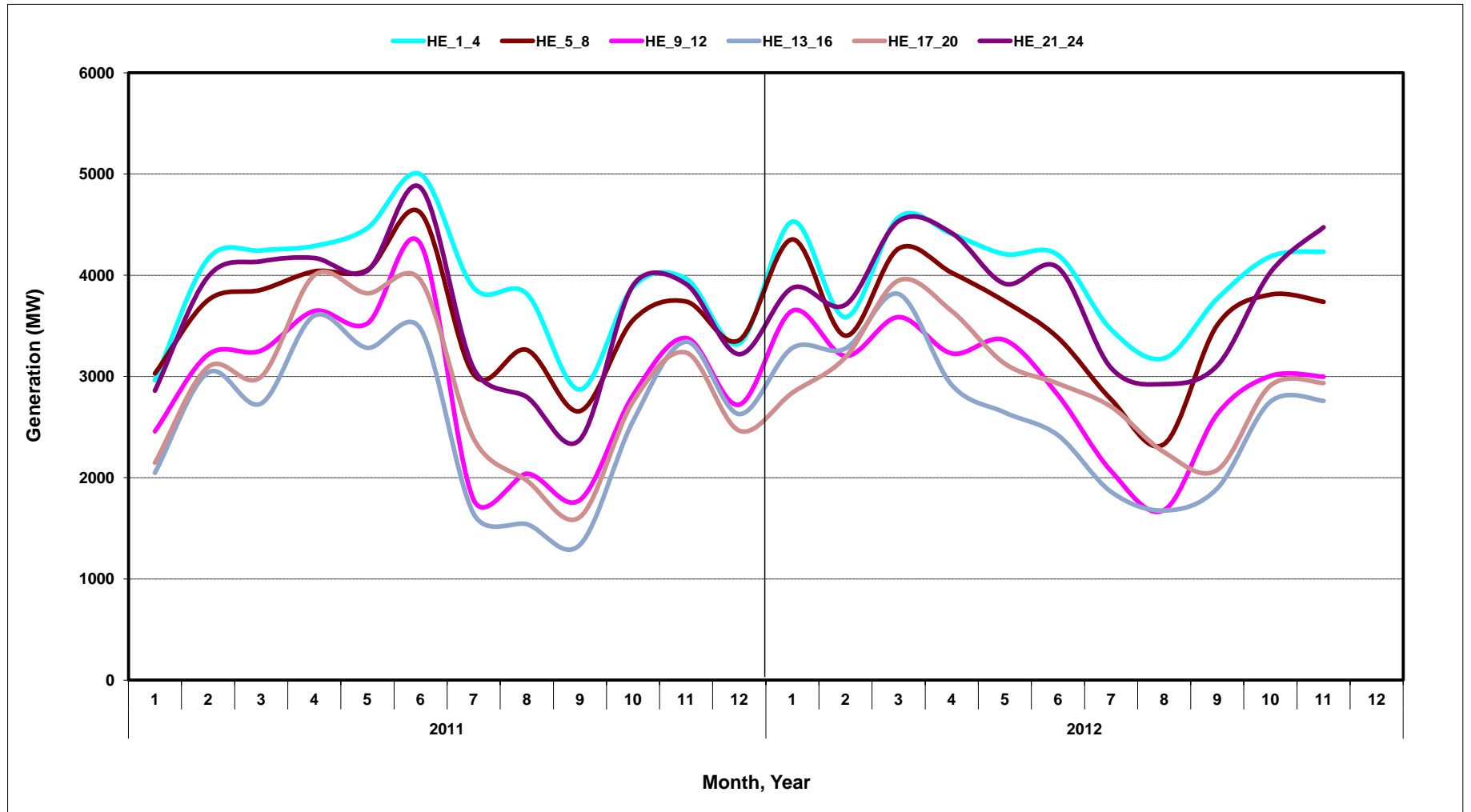


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## Monthly Average of Wind Generation by Hour Ending

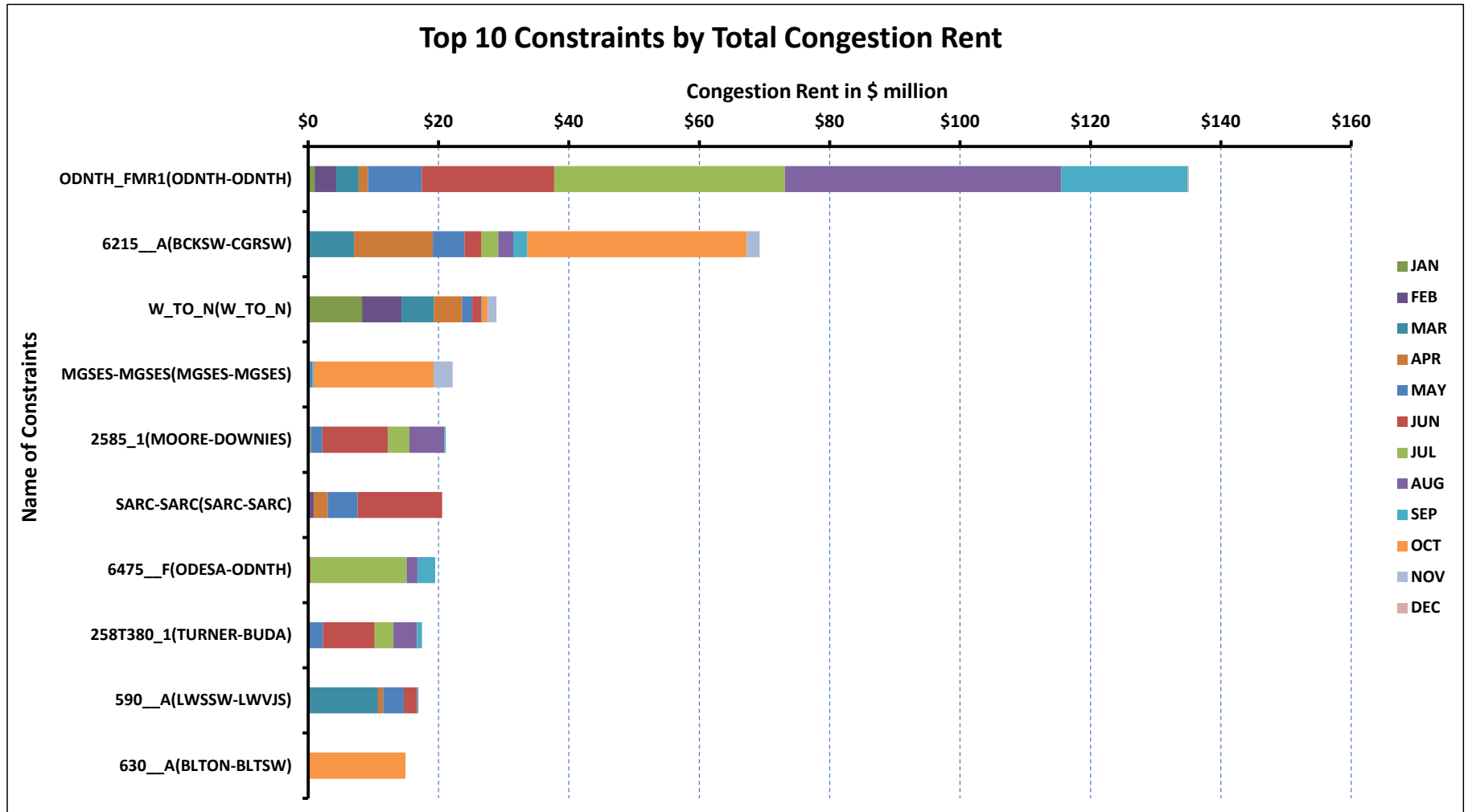


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# RT Congestion Constraint Rankings - 1

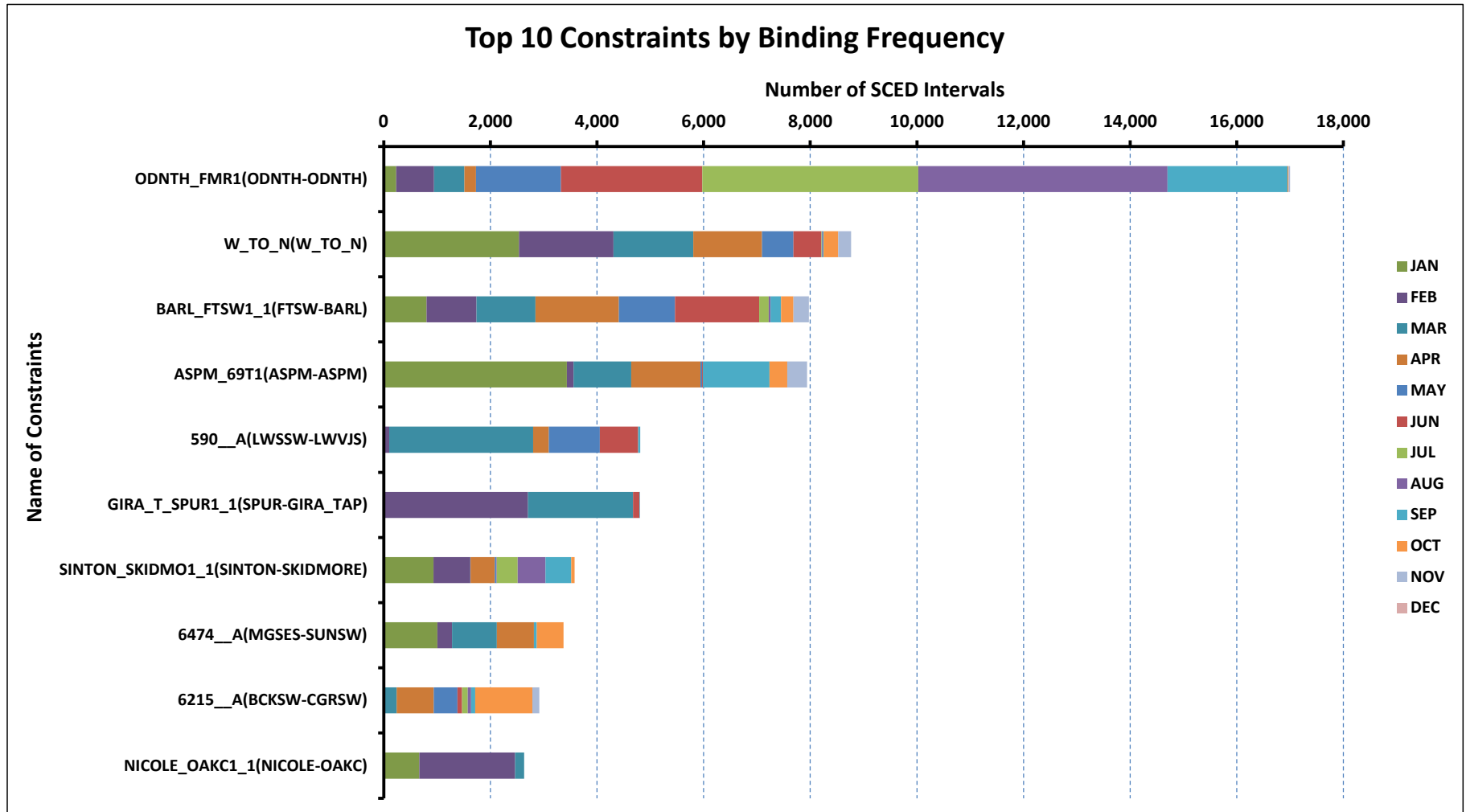


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## RT Congestion Constraint Rankings - 2

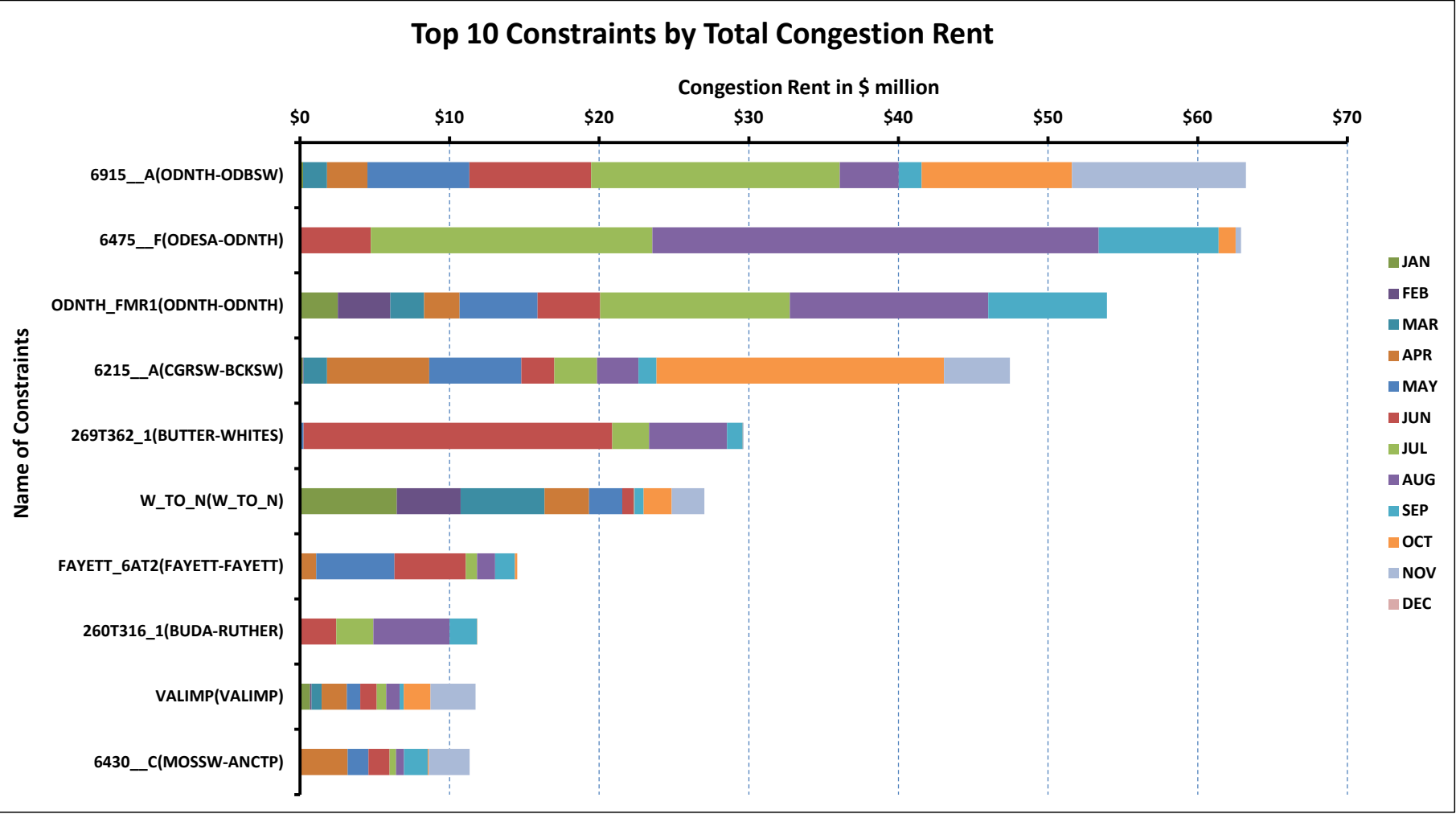


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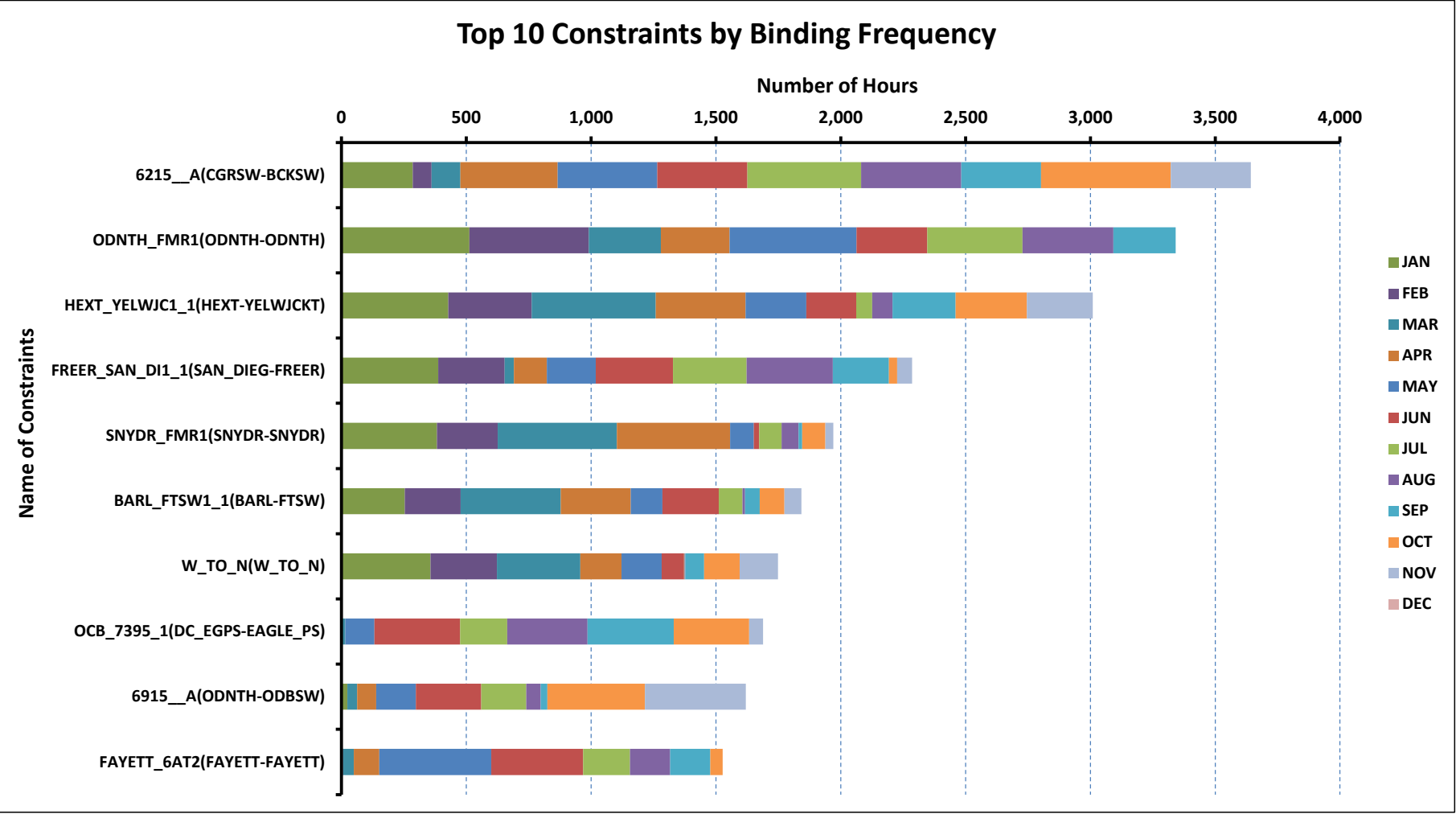
# DA Congestion Constraint Rankings - 1



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# DA Congestion Constraint Rankings - 2

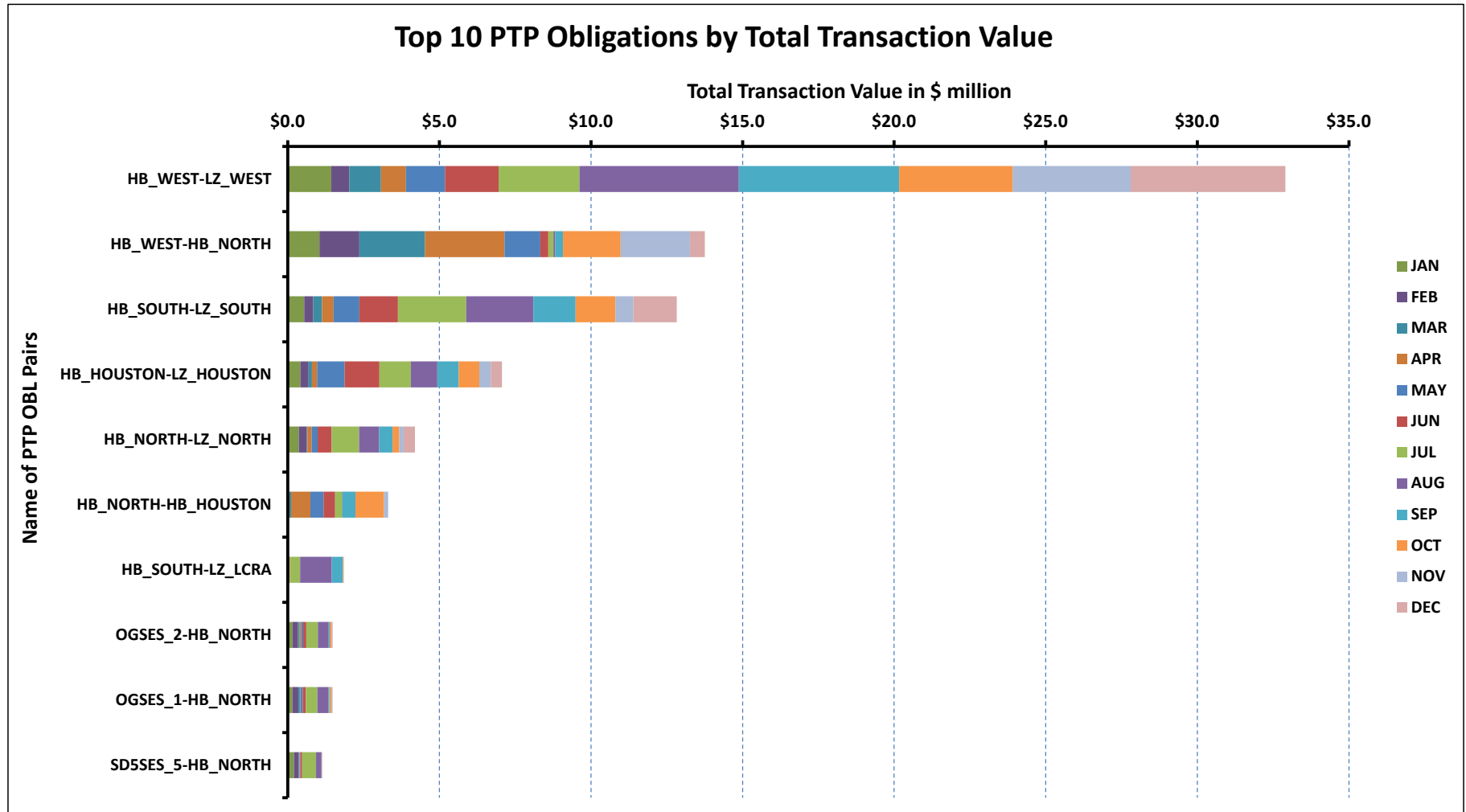


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# Top 10 CRR Pairs Ranked by Monthly Auction Values - 1

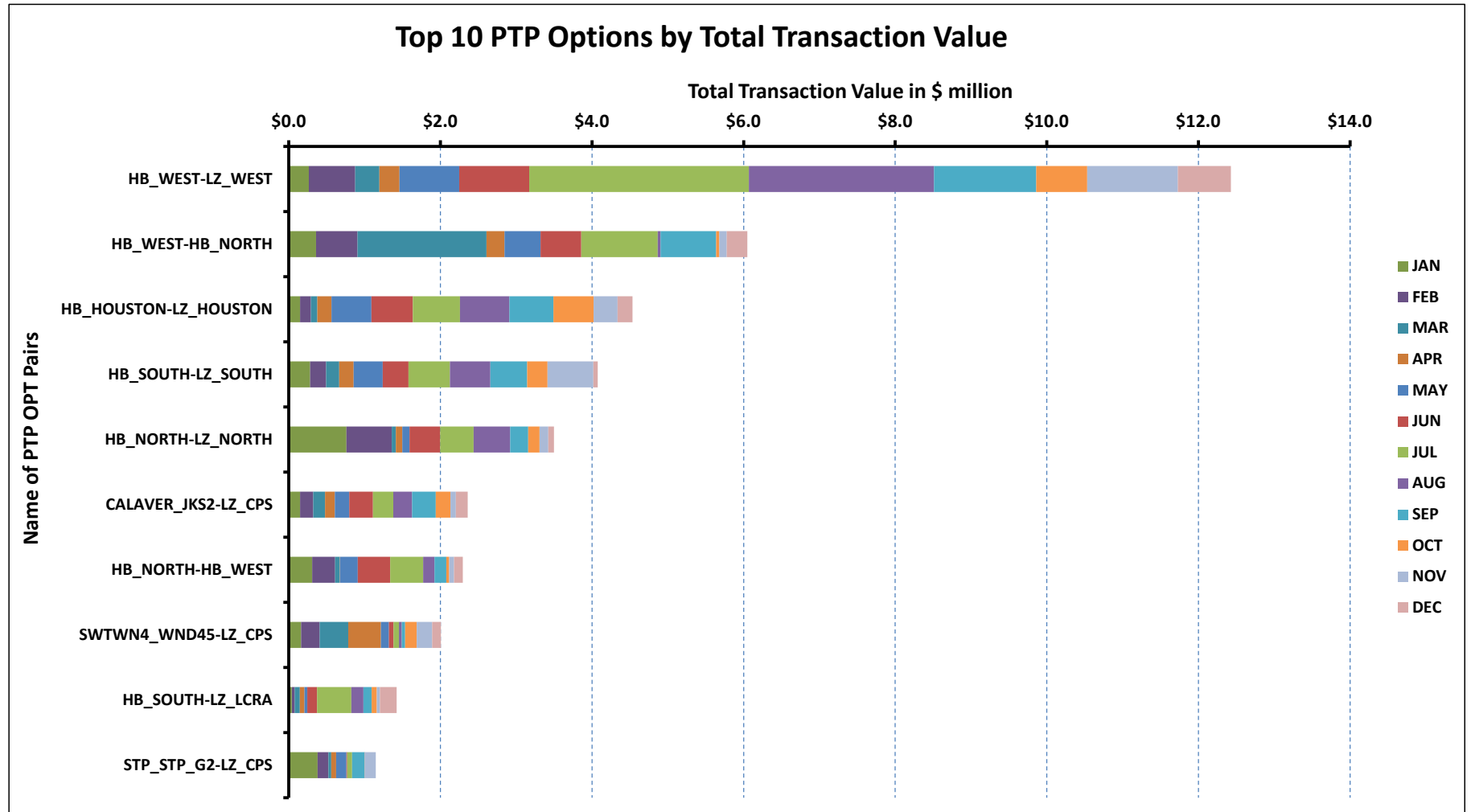


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## Top 10 CRR Pairs Ranked by Monthly Auction Values - 2



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