

# 2012 Preliminary CARIS Phase II Base Case Results

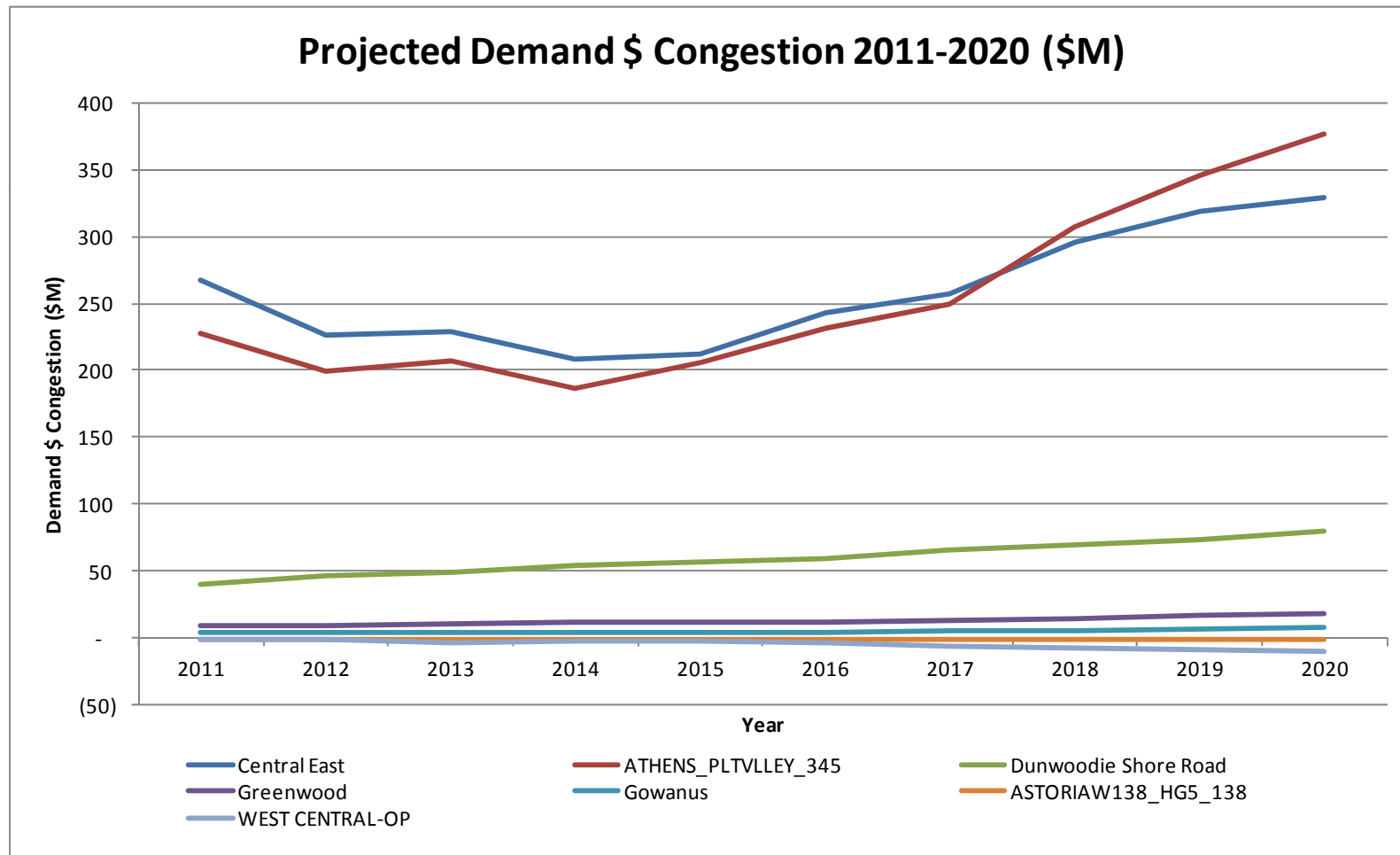
**Dana Walters**

*Director Reliability and Economic Planning  
New York Independent System Operator*

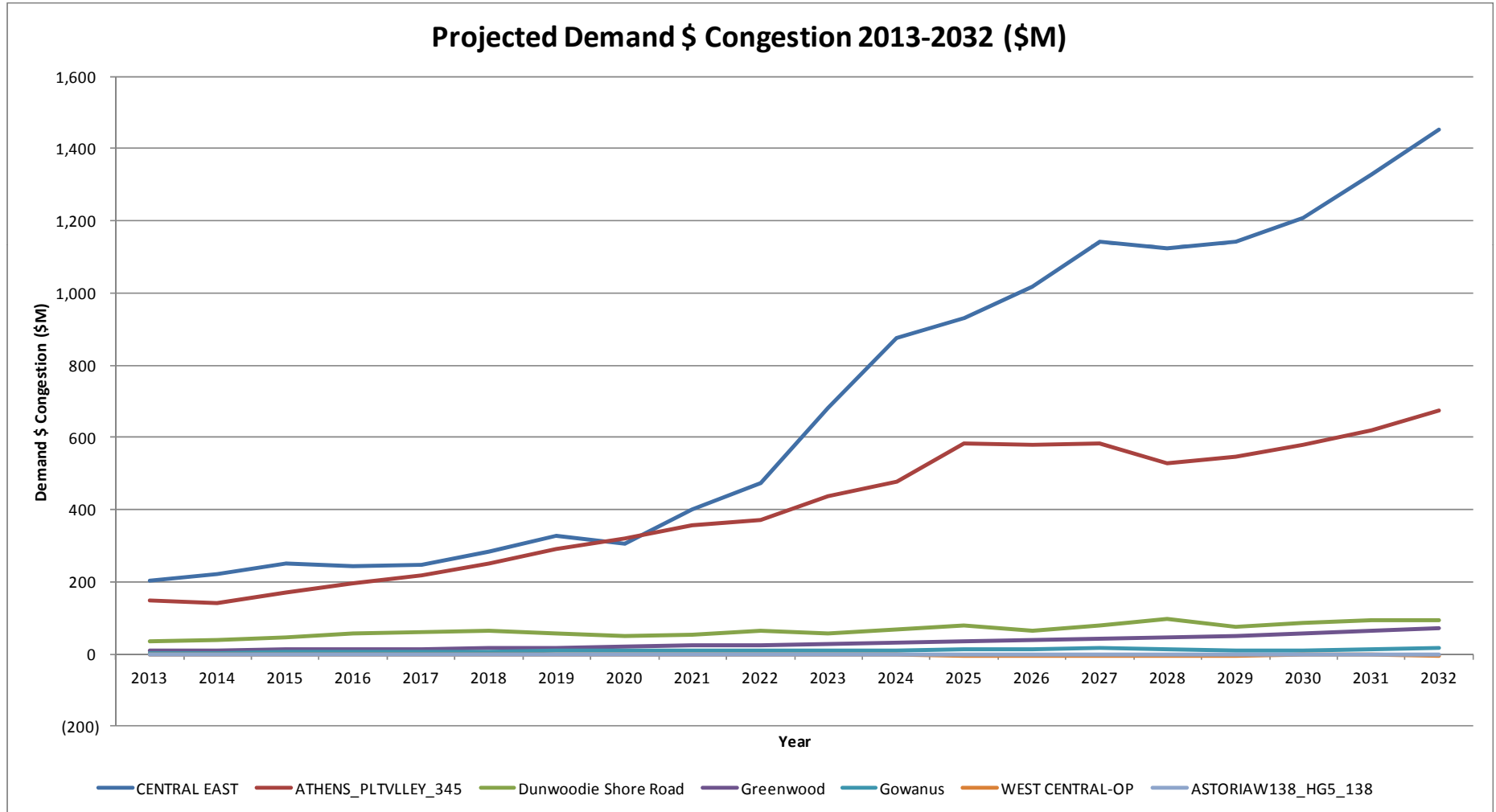
**ESPWG**

*October 11, 2012  
Rensselaer, NY*

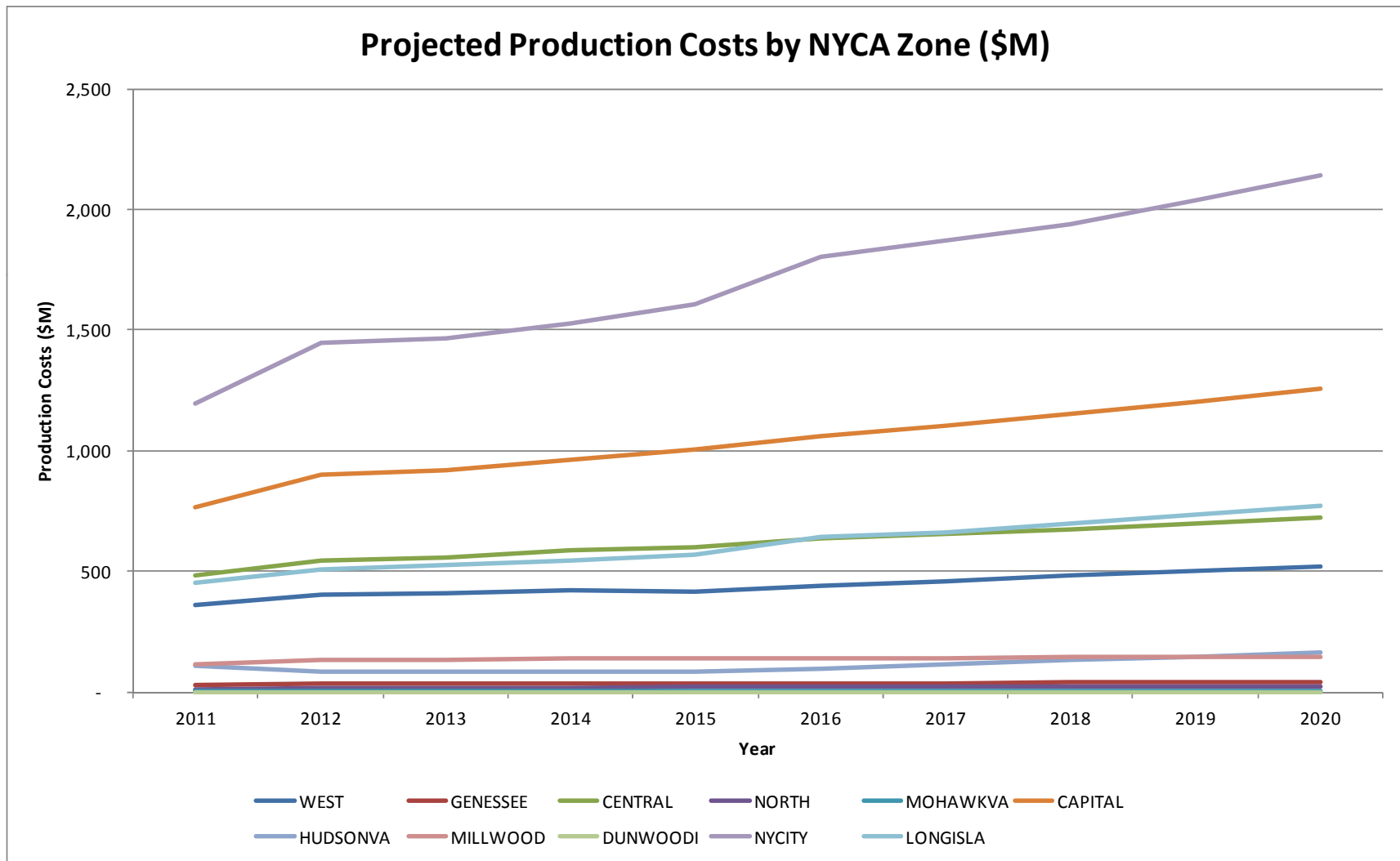
# Phase I - Projected Demand \$ Congestion by Constraint (\$M)



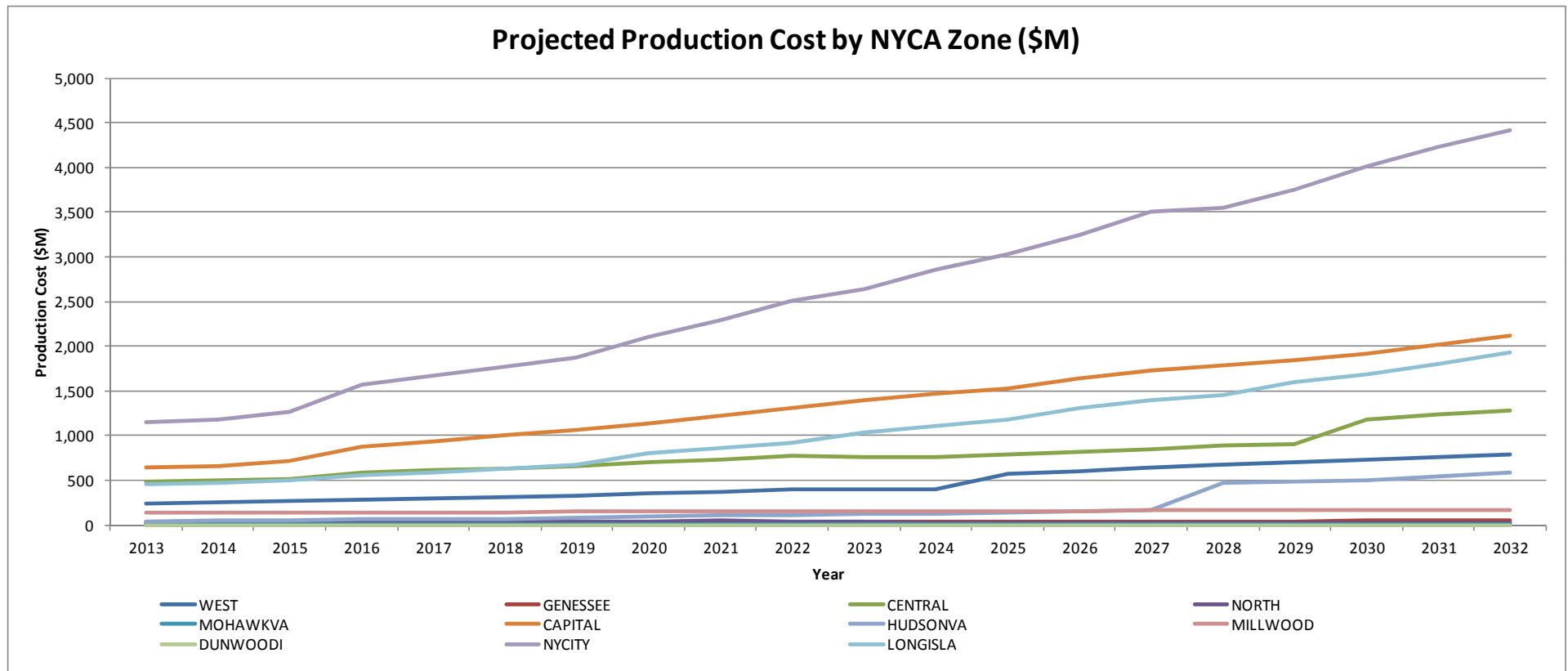
# Phase II - Projected Demand \$ Congestion by Constraint (\$M)



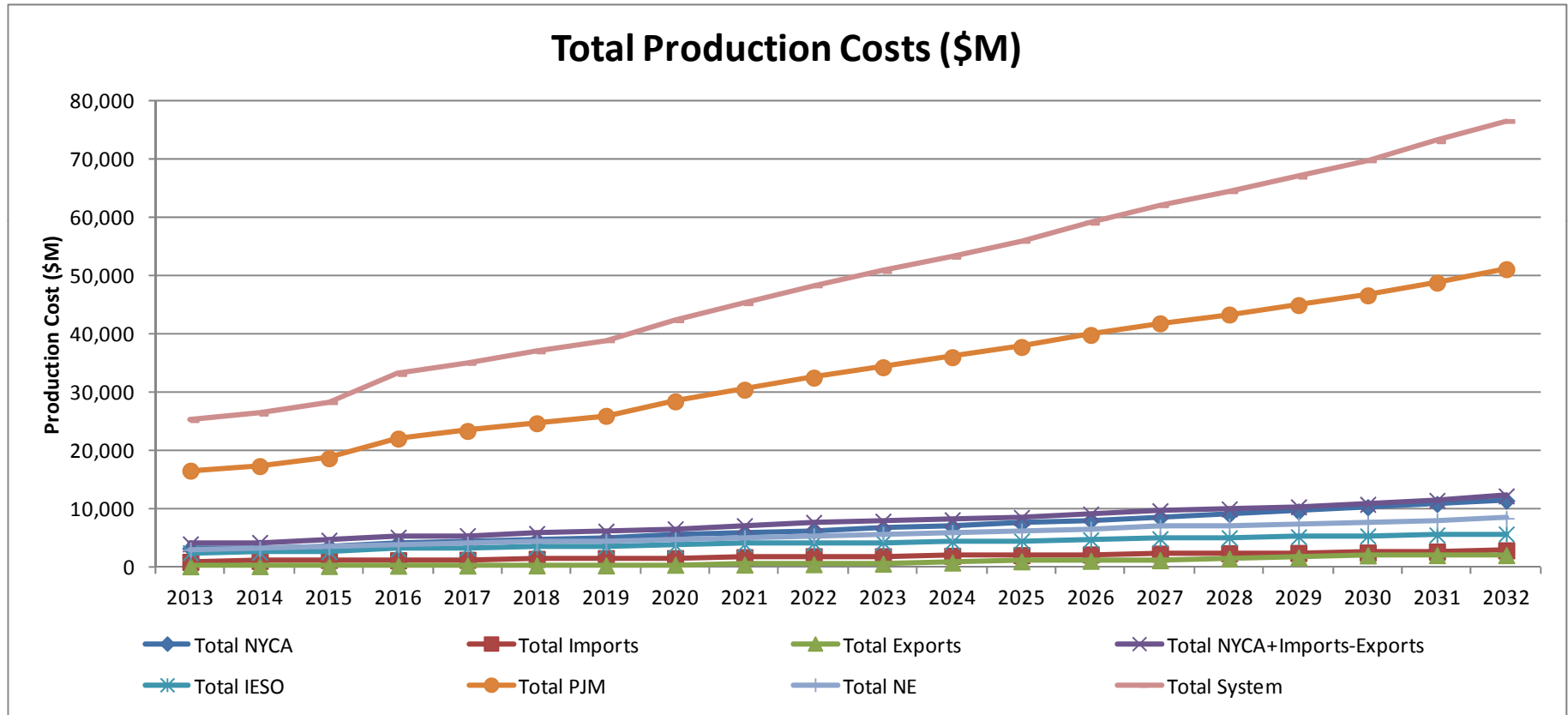
# Phase I - Projected Production Costs (\$M)



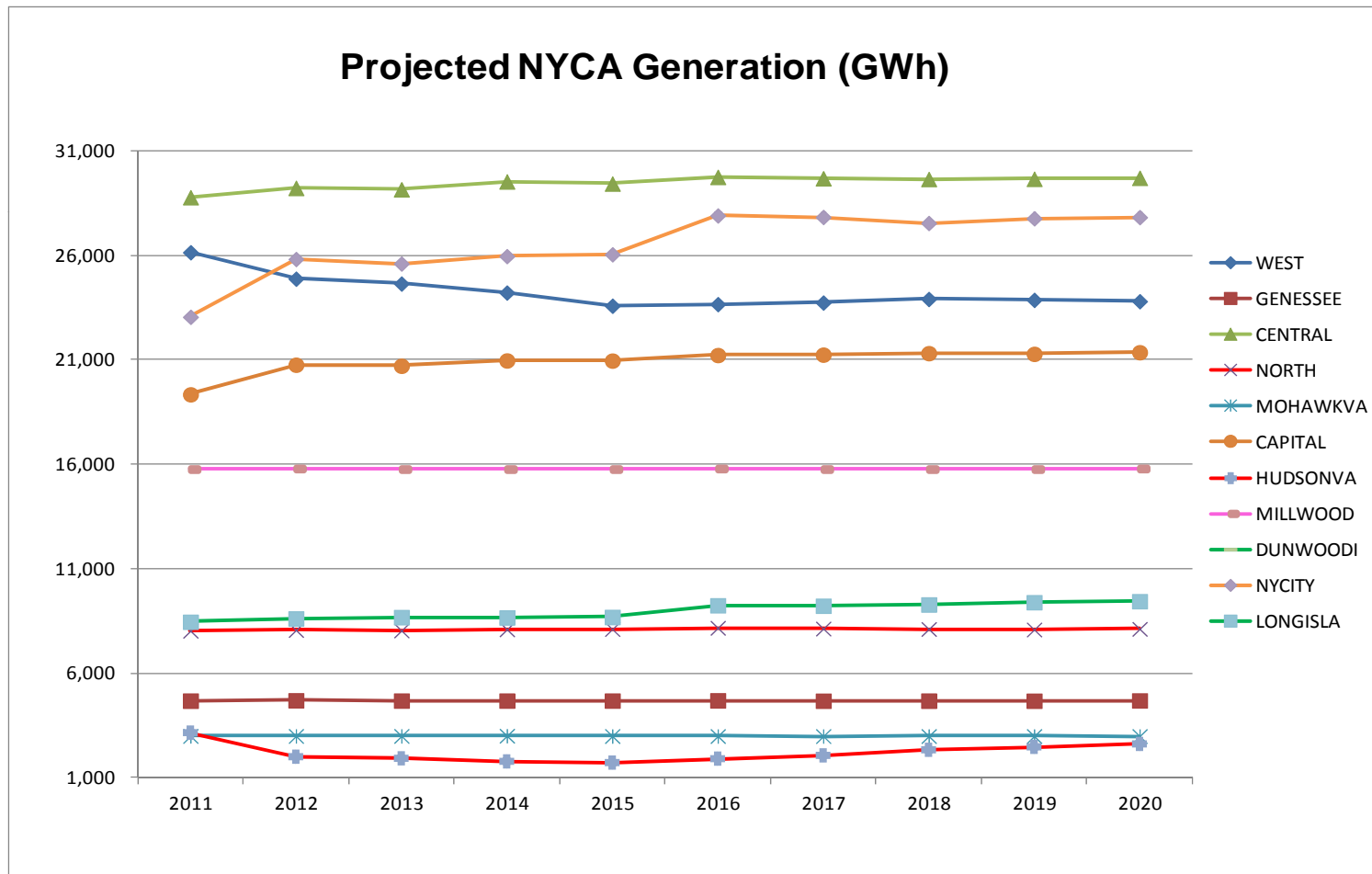
# Phase II - Projected NYCA Production Costs (\$M)



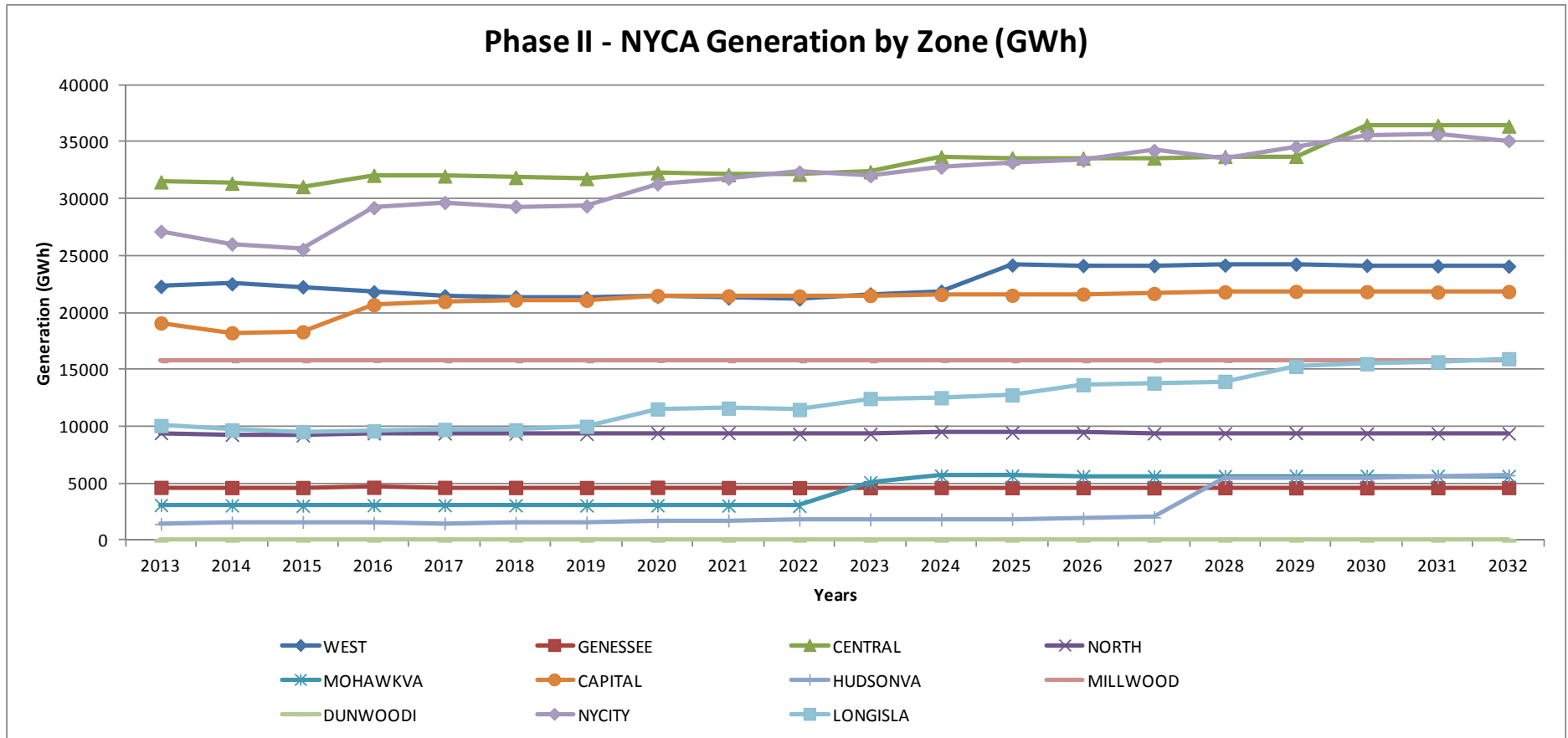
# Phase II – Projected Total & External Production Costs (\$M)



# Phase I - Projected NYCA Generation By Zone (GWh)

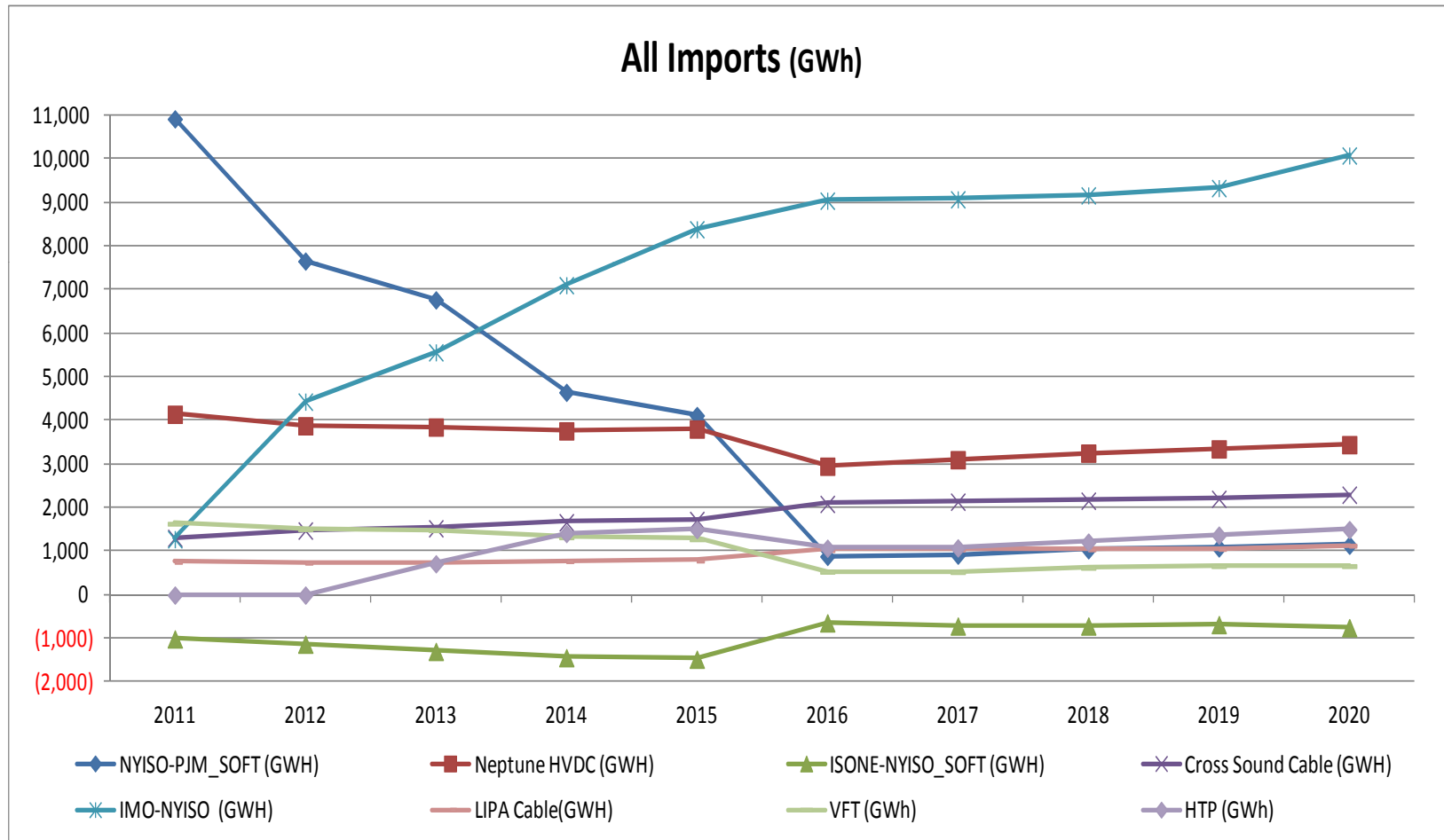


# Phase II - Projected NYCA Generation by Zone (GWh)

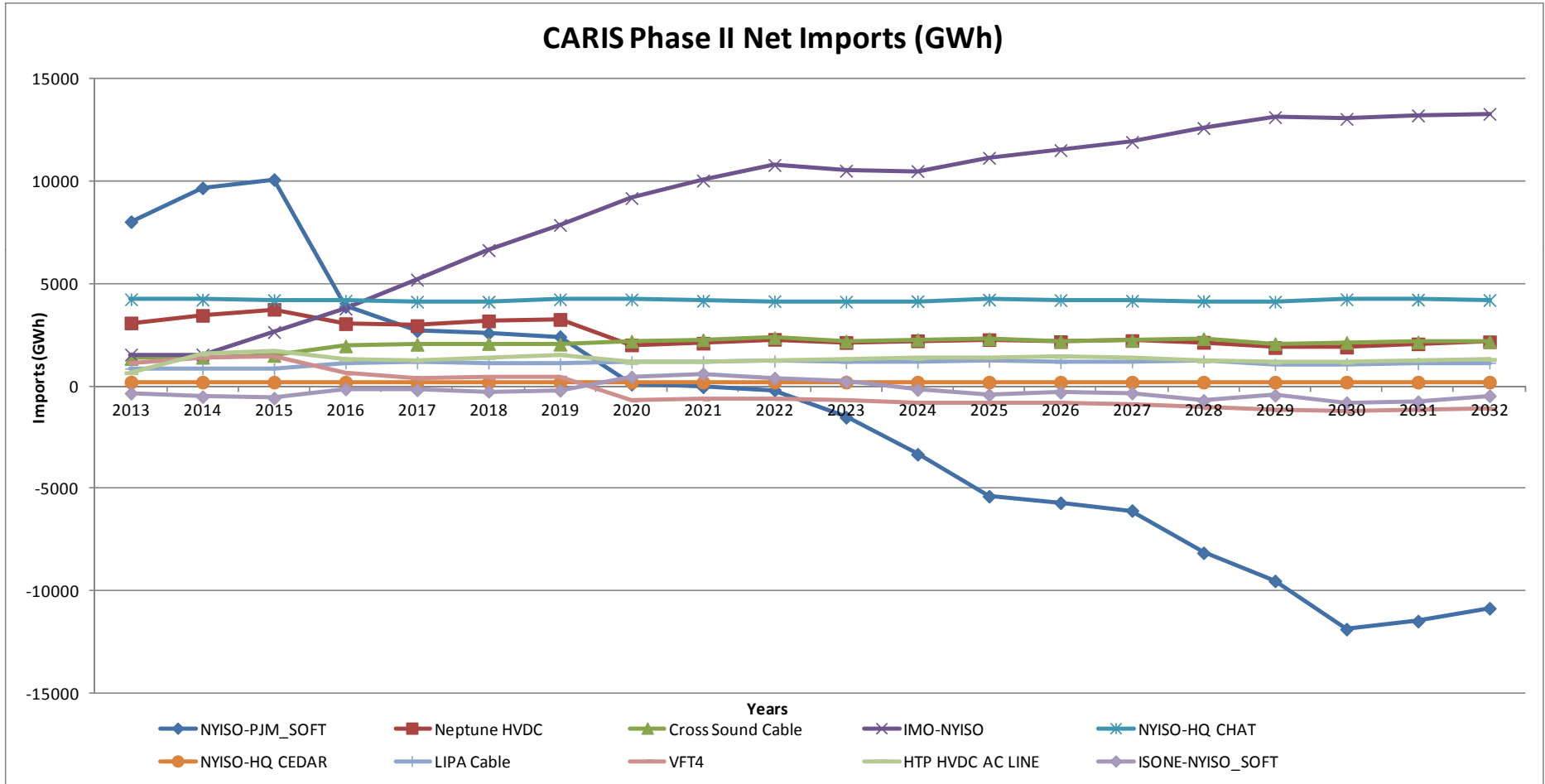




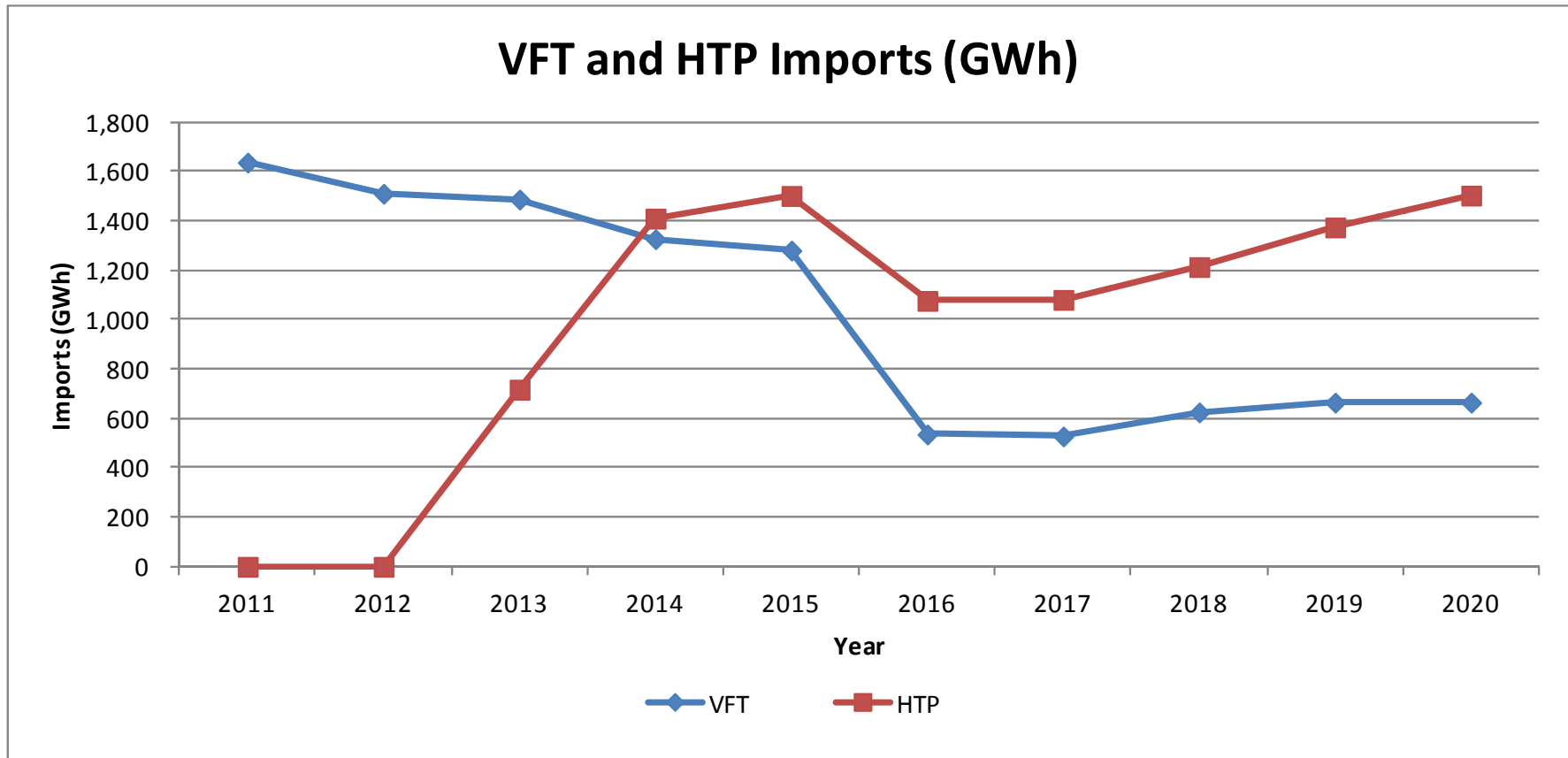
# Phase I - Projected Net Imports (GWh)



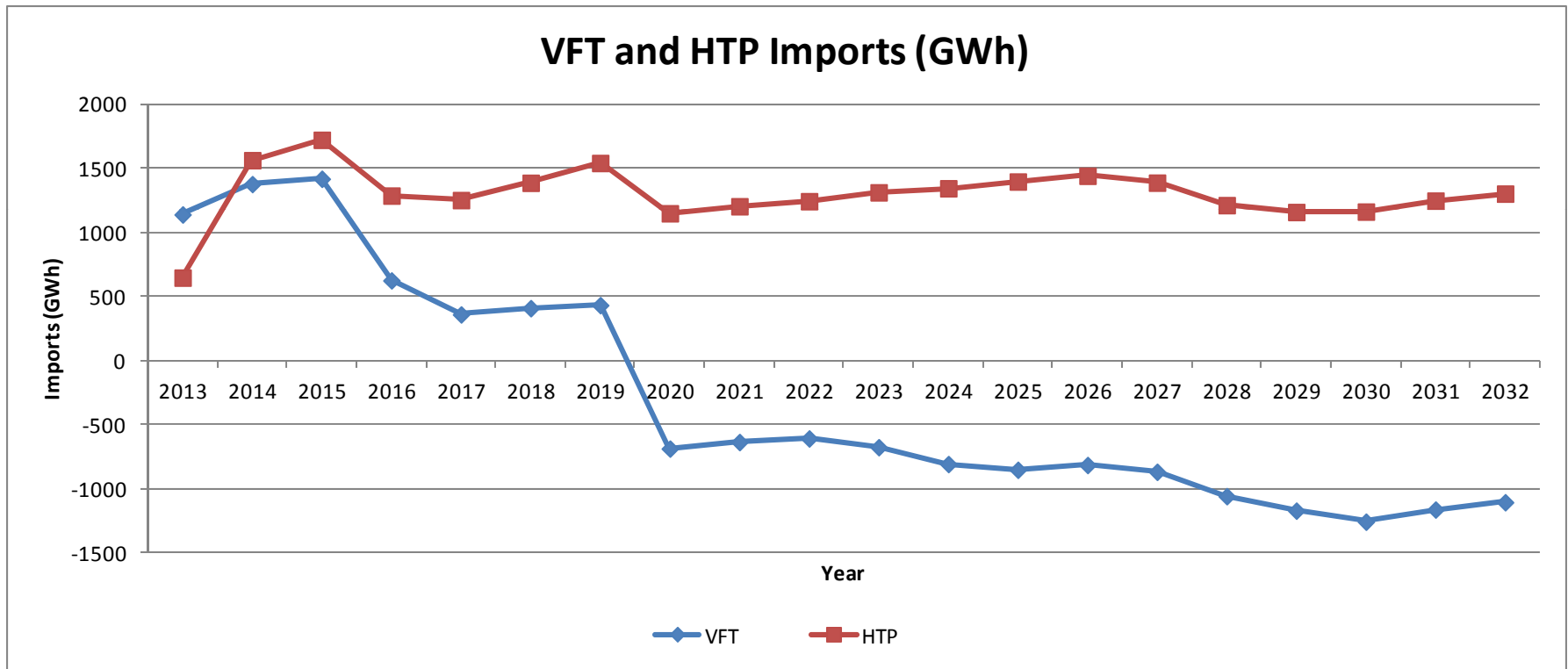
# Phase II - Projected Net Imports (GWh)



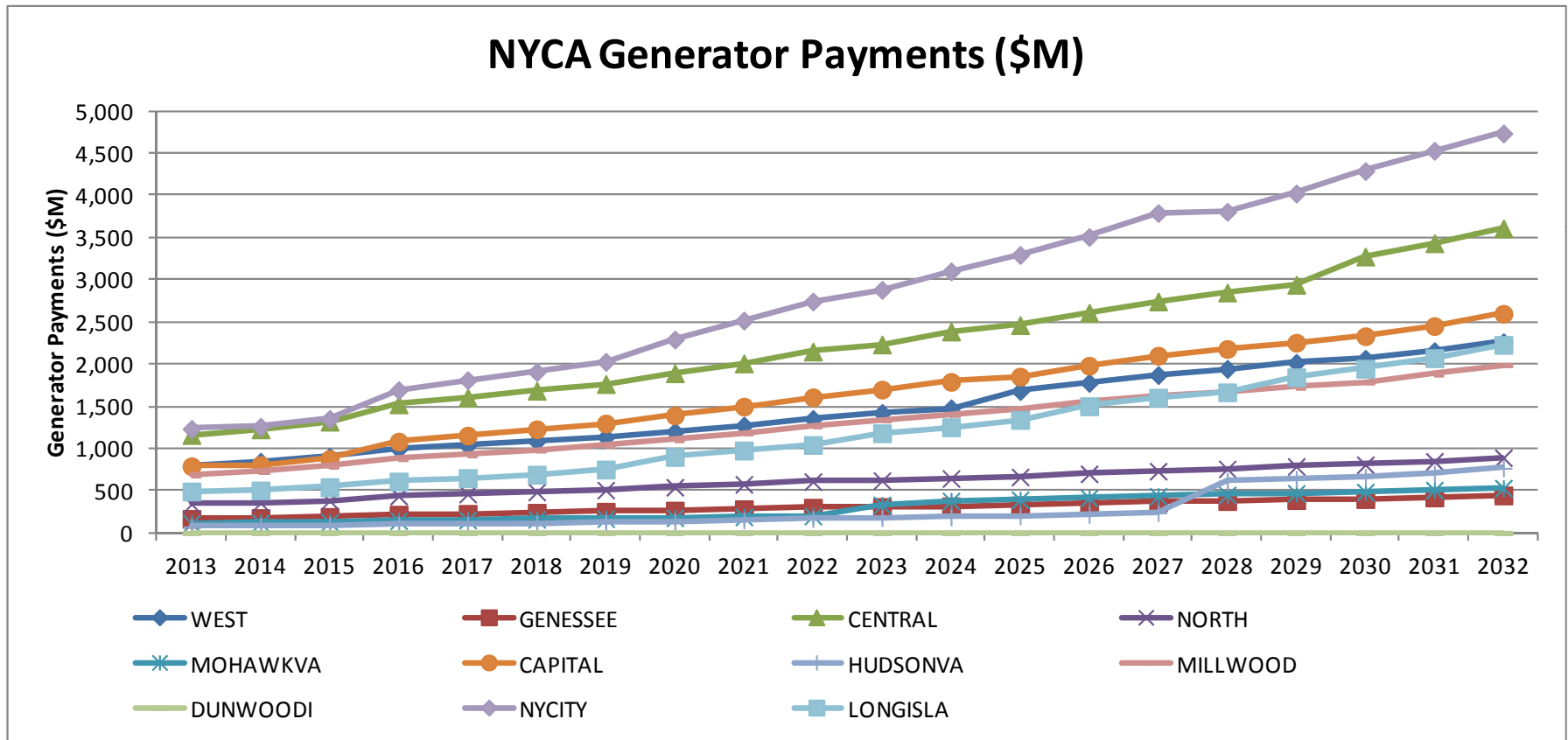
# Phase I – VFT and HTP Imports (GWh)



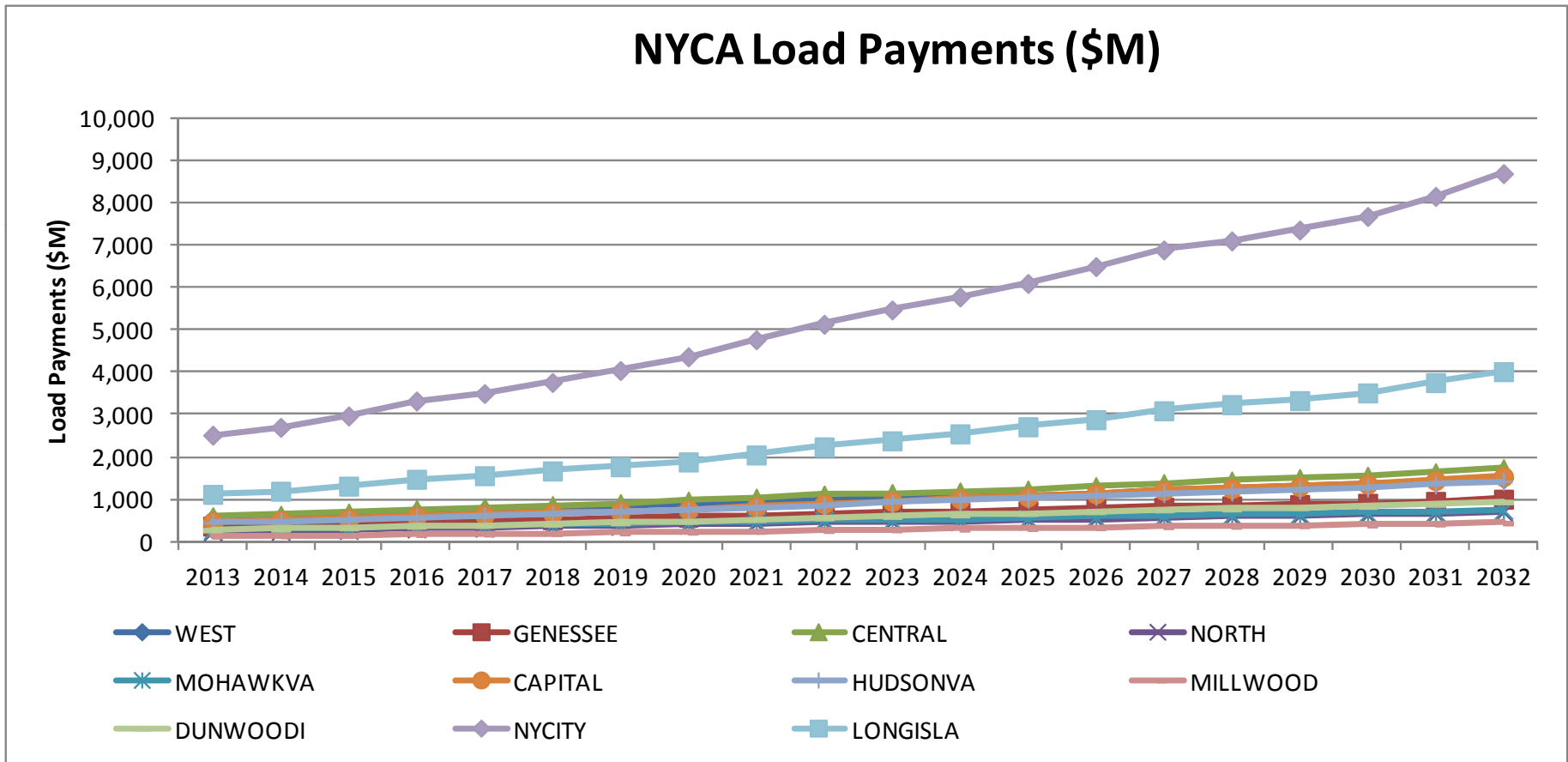
# Phase II – VFT and HTP Imports (GWh)



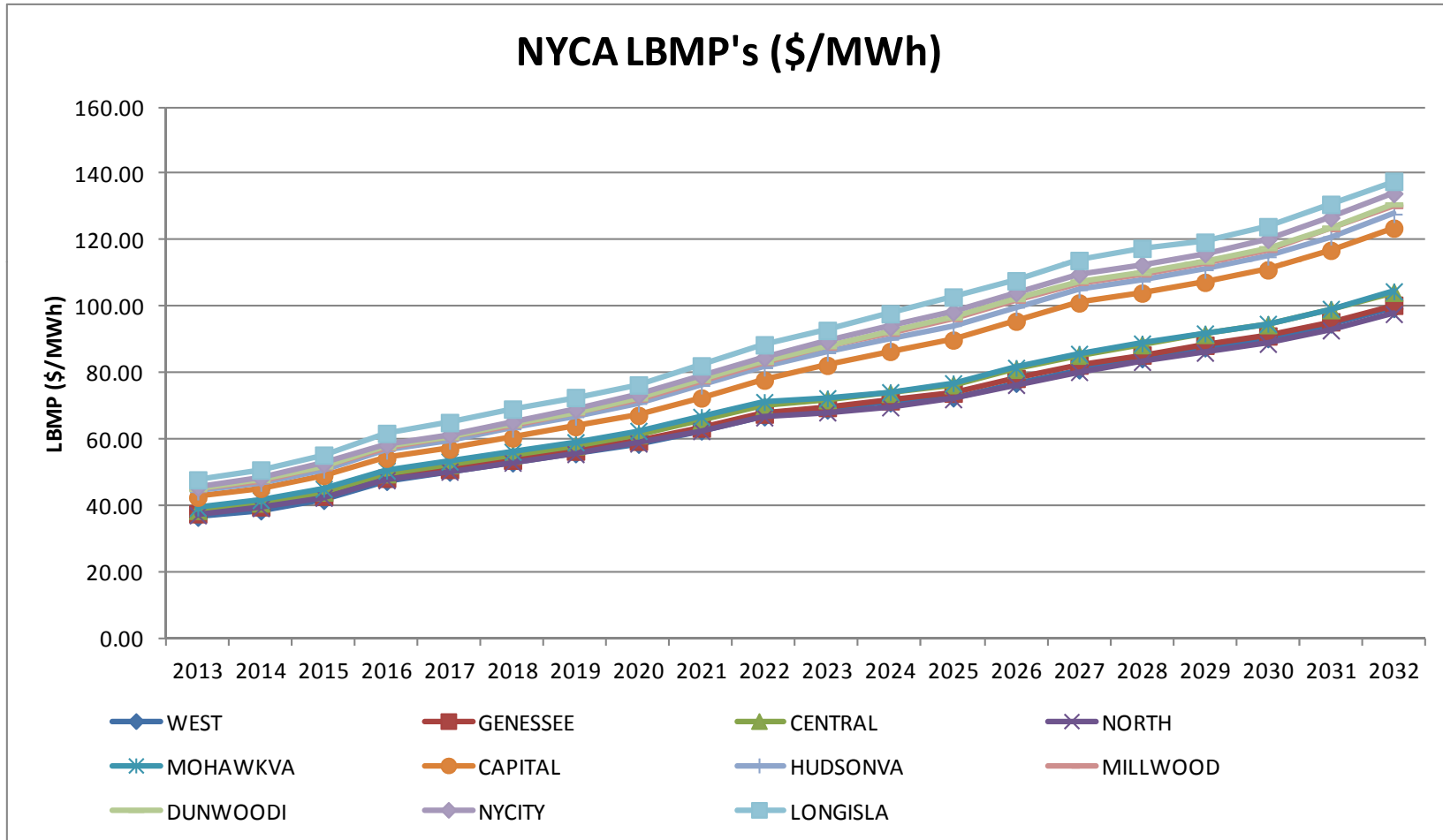
# Phase II - Generator Payments



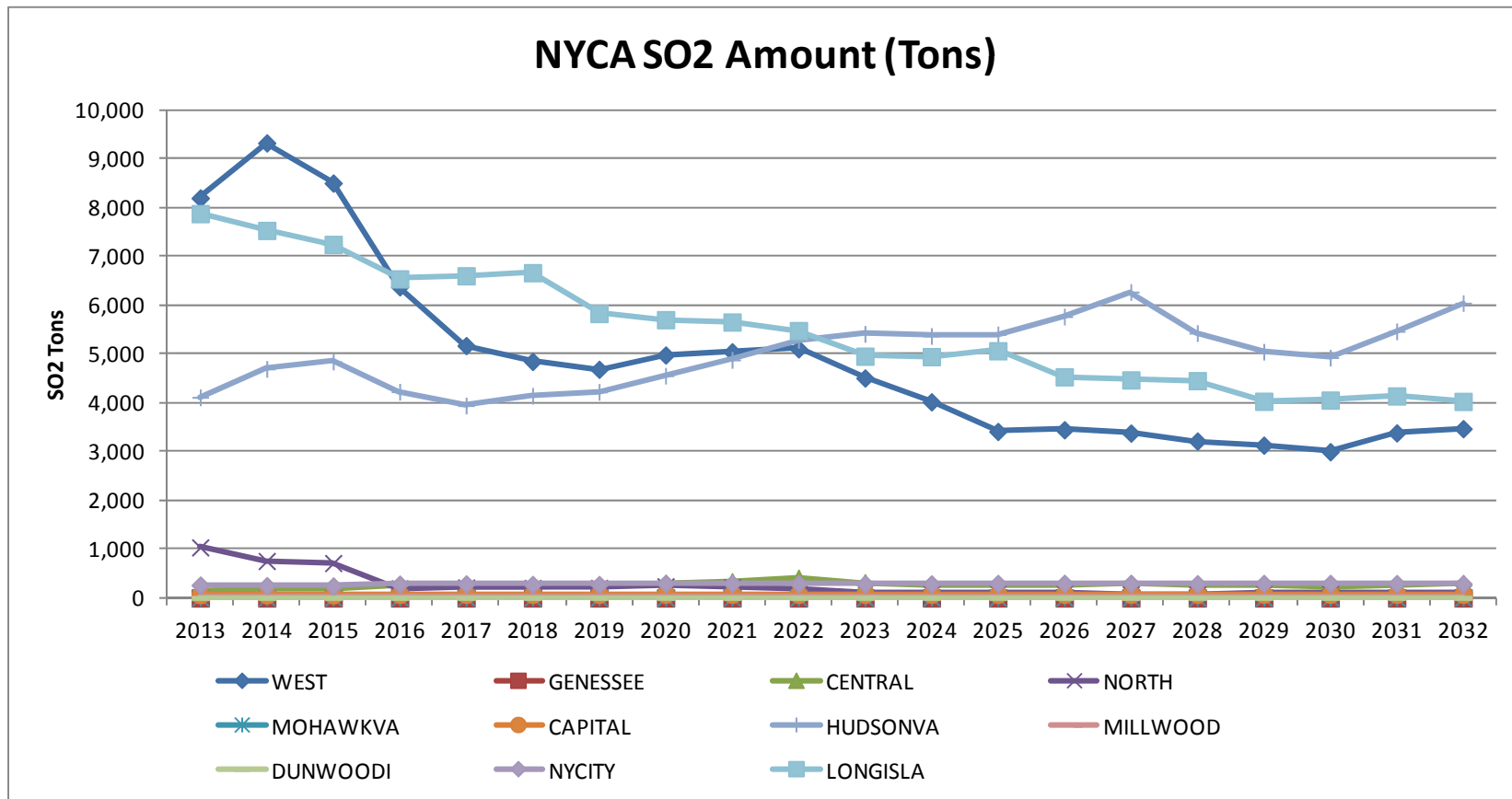
# Phase II - Load Payments



# Phase II – LBMP's - NYCA

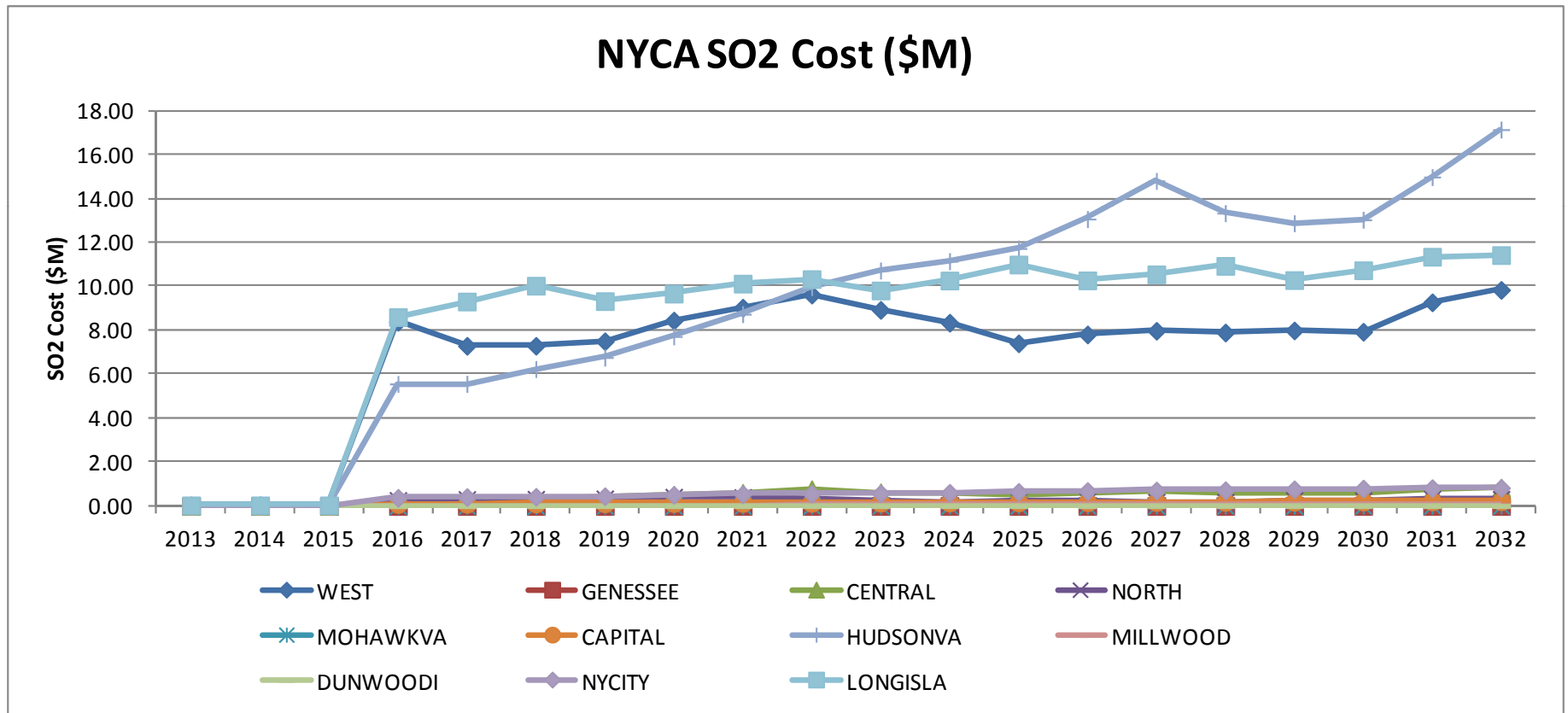


# Phase II - SO<sub>2</sub> Amount

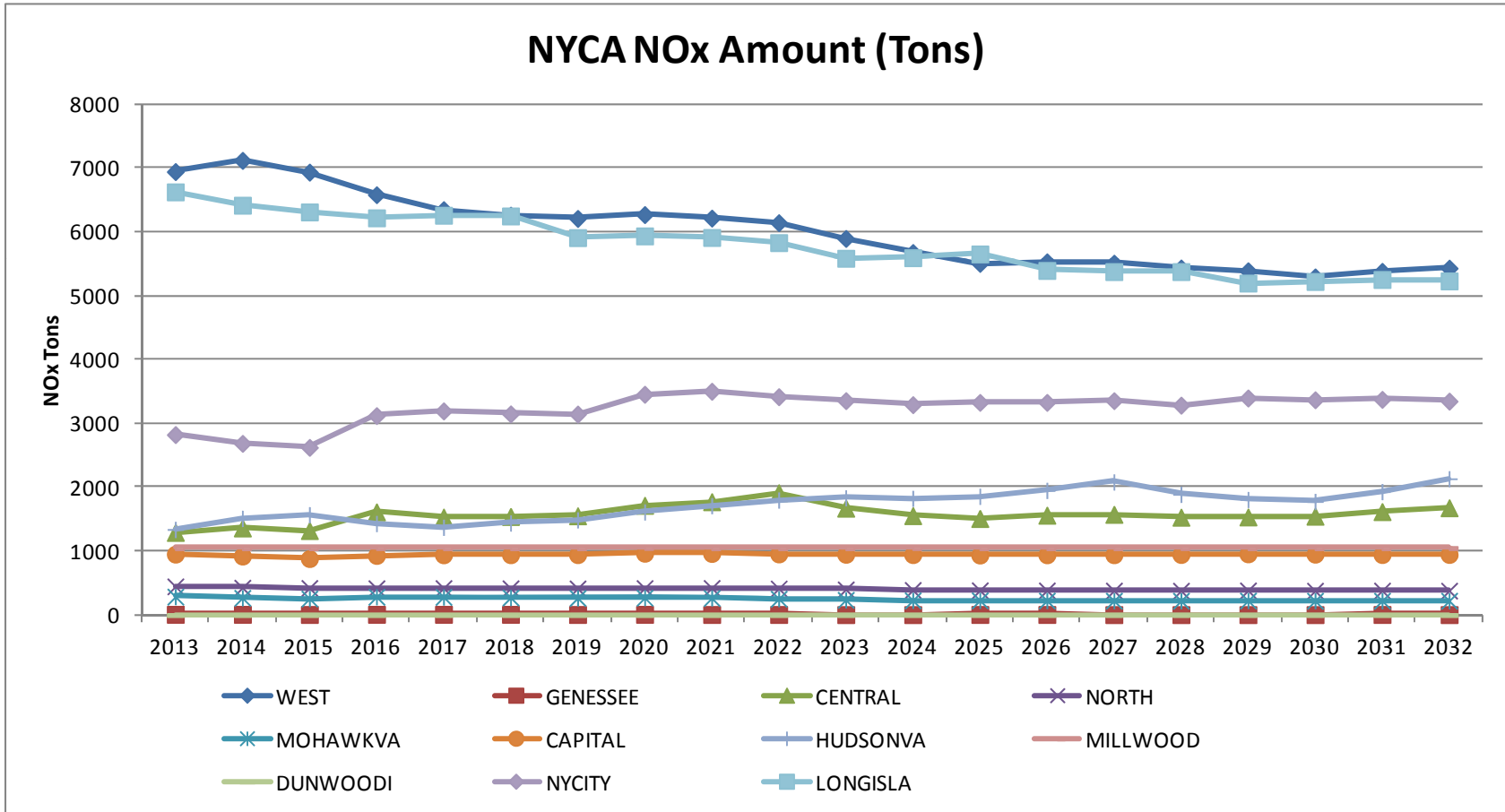




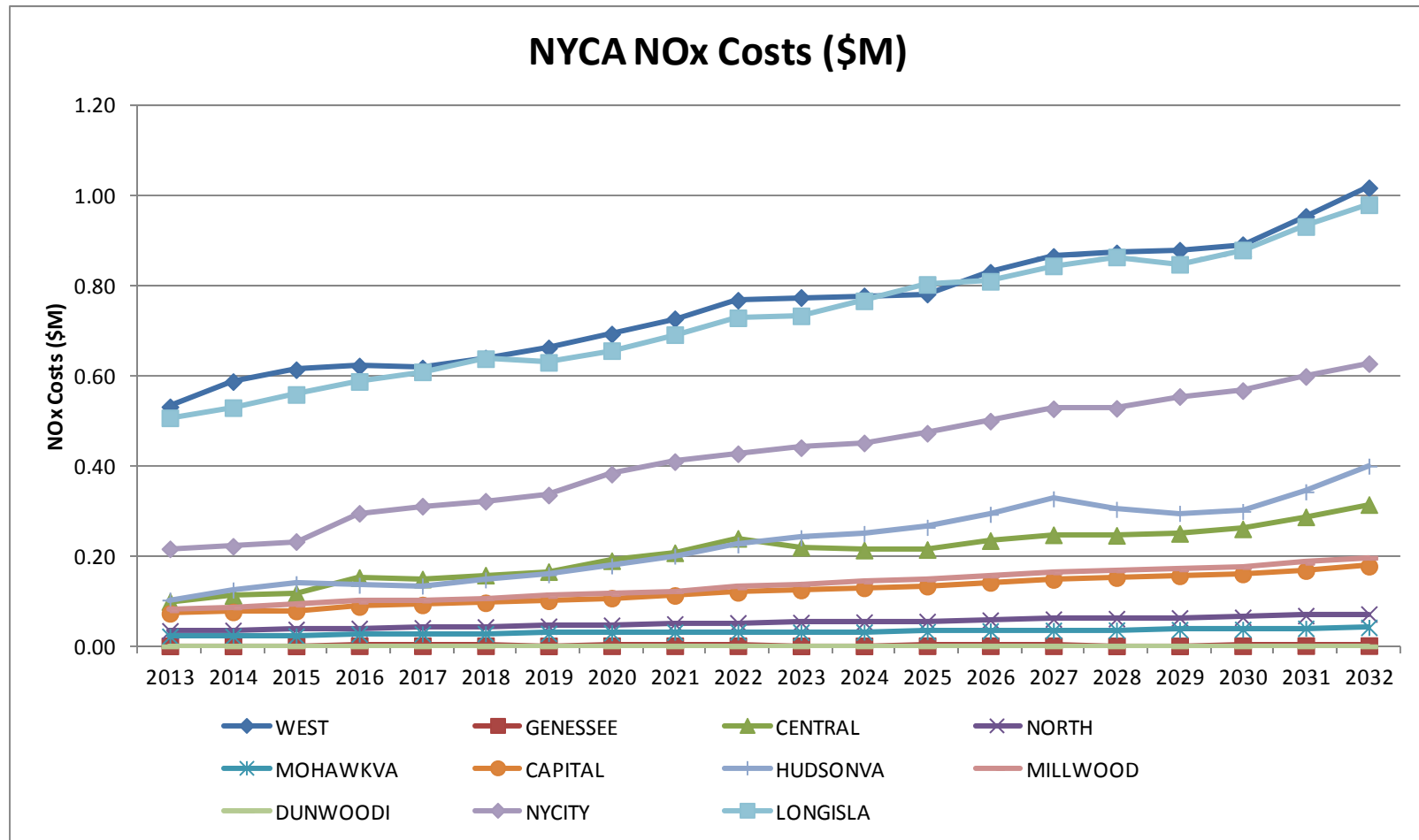
# Phase II - SO<sub>2</sub> Costs



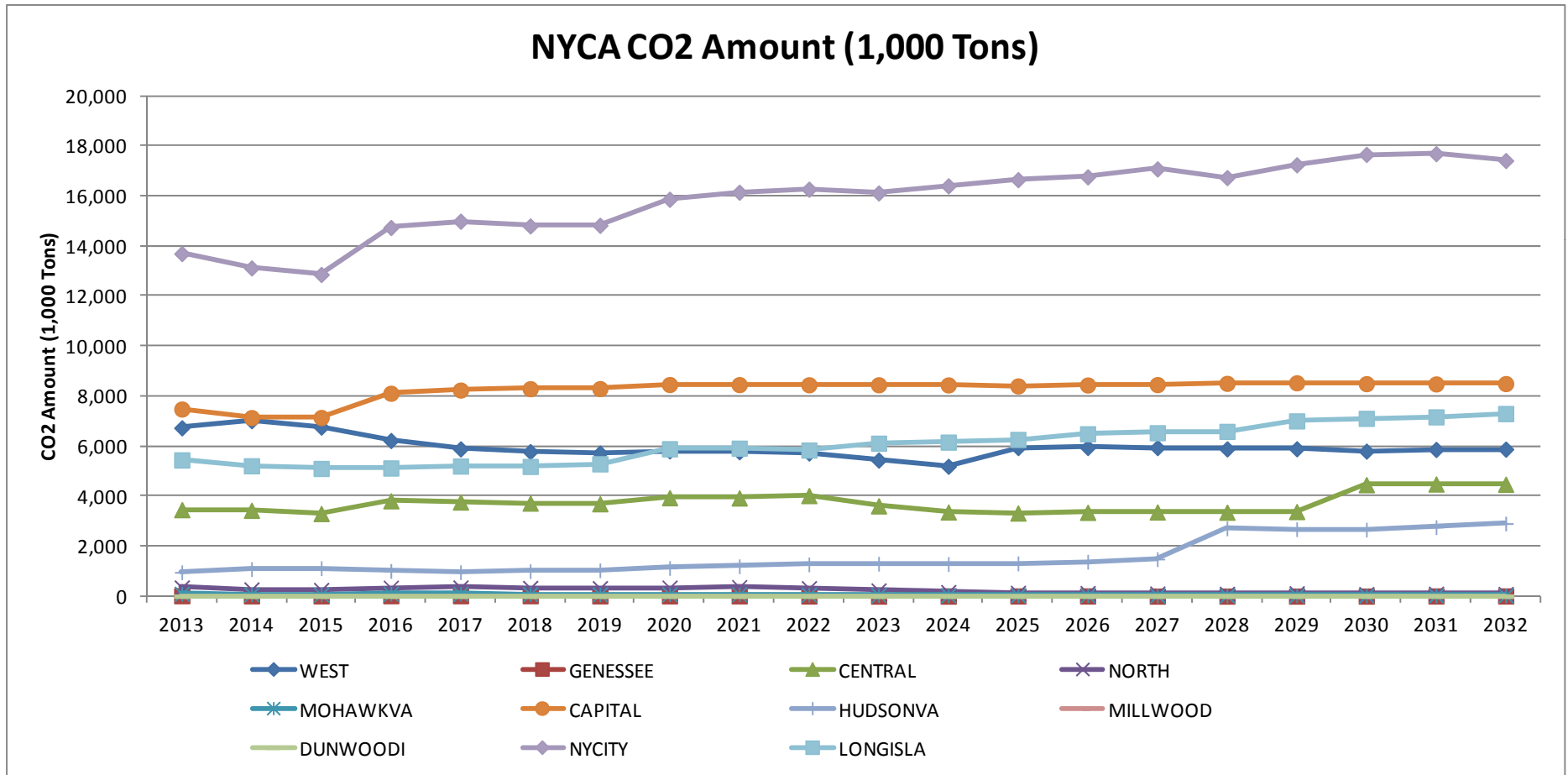
# Phase II – NOx Amount



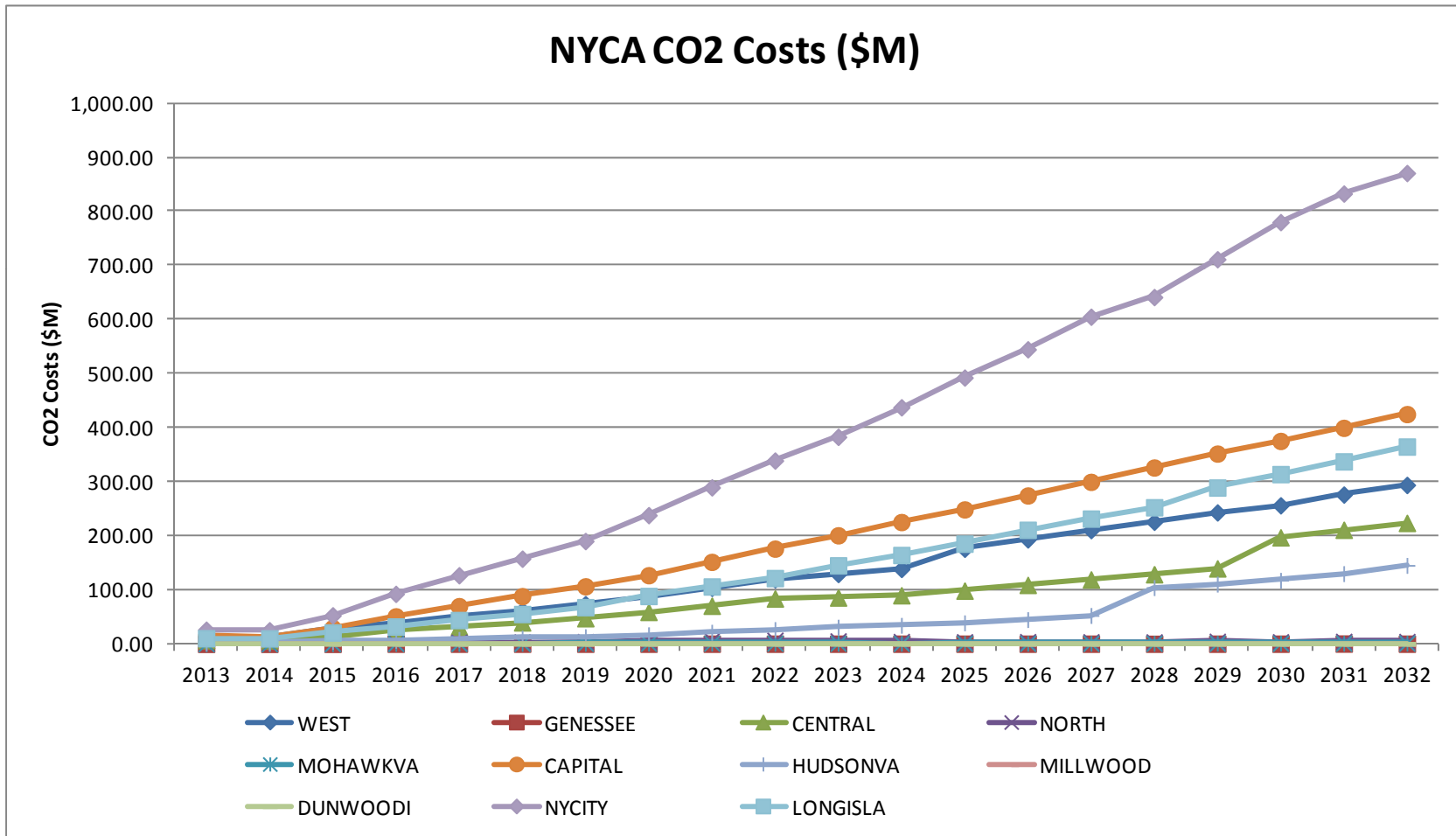
# Phase II – NOx Costs



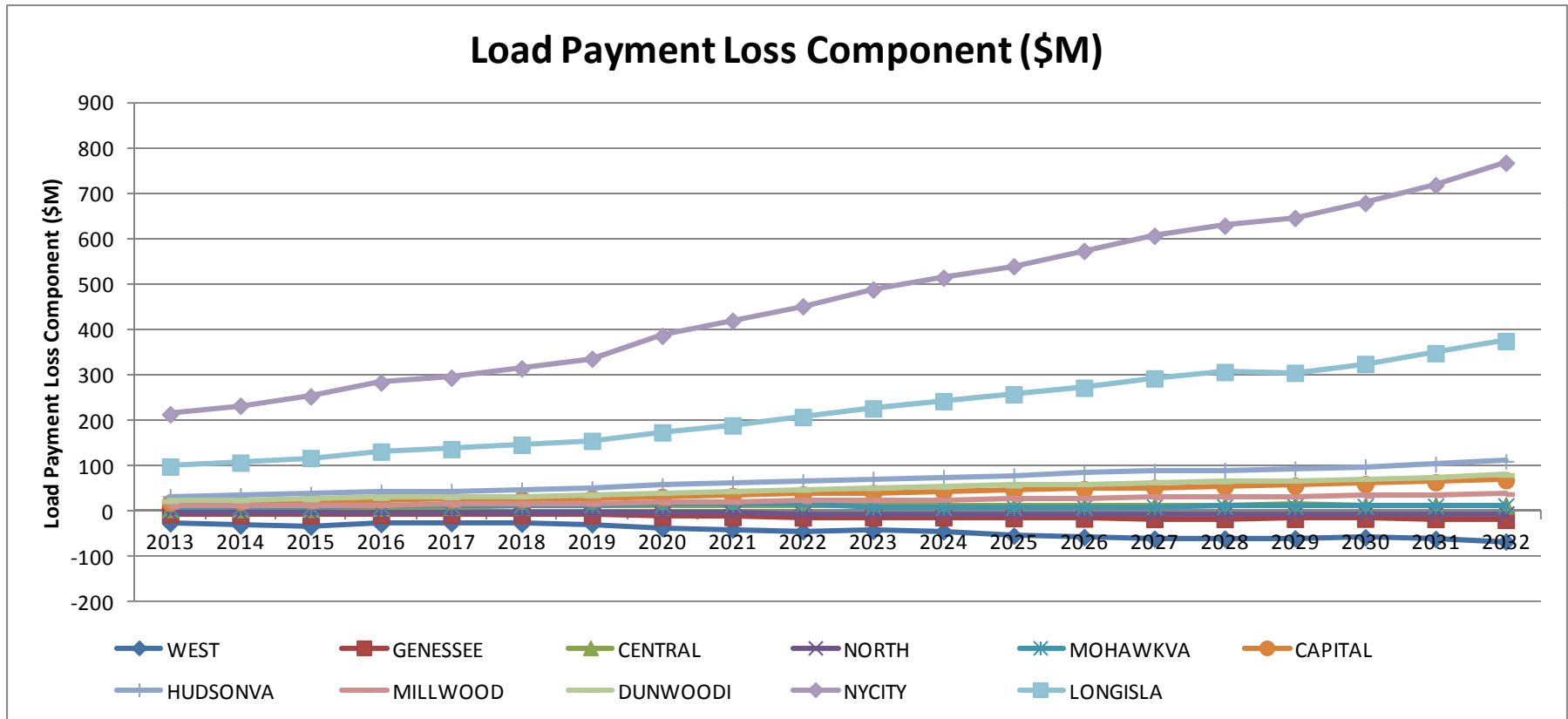
# Phase II - CO<sub>2</sub> Amount



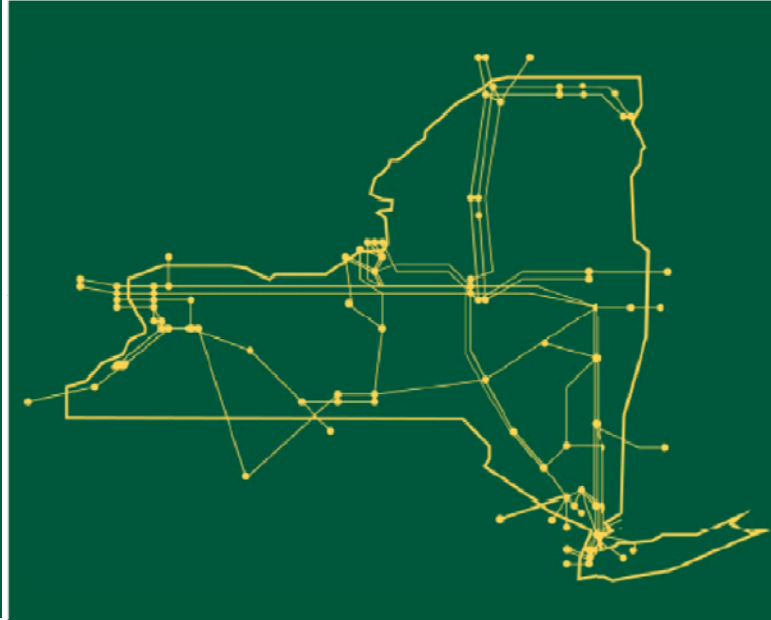
# Phase II - CO<sub>2</sub> Costs



# Phase II - Load Payment Loss Component



The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



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