

Forecast Methodology Follow-Up

Load Analysis Subcommittee
October 4, 2021

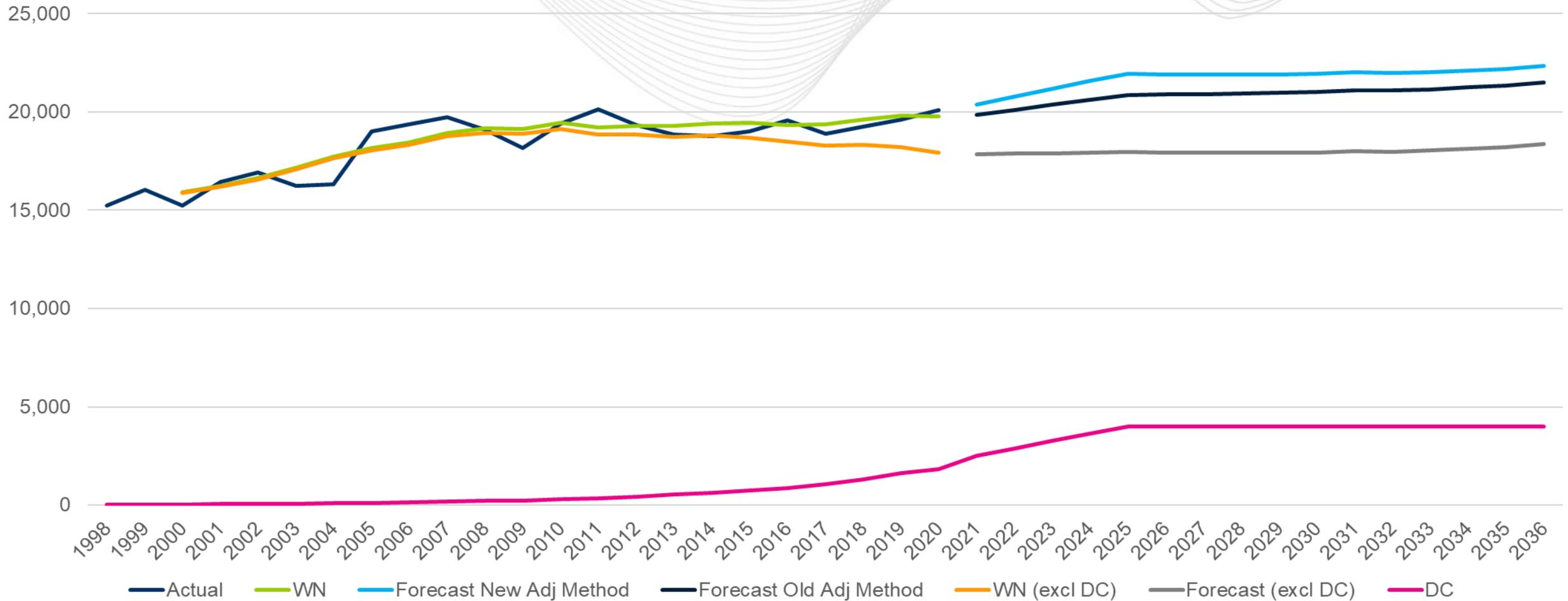
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- Industrial Sector Model
 - PECO and COMED use 15 year estimation period 
 - EKPC includes a trend (peak impact of ~5 MW) 
- Removal of 2020 COVID binaries on weather terms
 - Updated weather treatment accounts for COVID impact to weather slopes already. Inclusion of binaries is not necessary. 
- Revision to treatment of Dominion data center forecast adjustment. 

- Current Approach
 - Treat data centers as non-weather sensitive commercial load (Commercial Other)
 - Flows through to non-weather sensitive load
- Alternative Approach
 - Remove from total load history and commercial model
 - Add back MW amount
 - Informed by the additional hourly detail supplied by Dominion



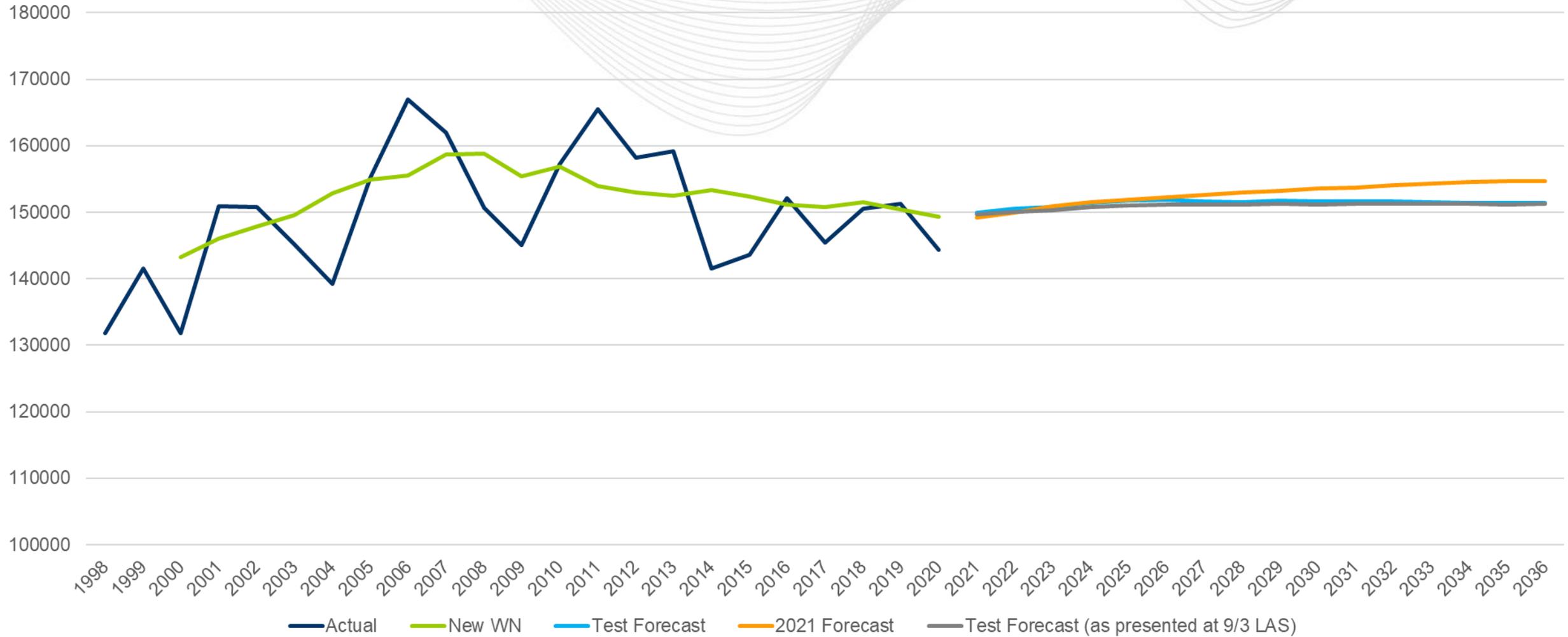
Impact of Changes to Dominion – Summer Peak Forecast



*** Chart is for illustration, this is not an official forecast**

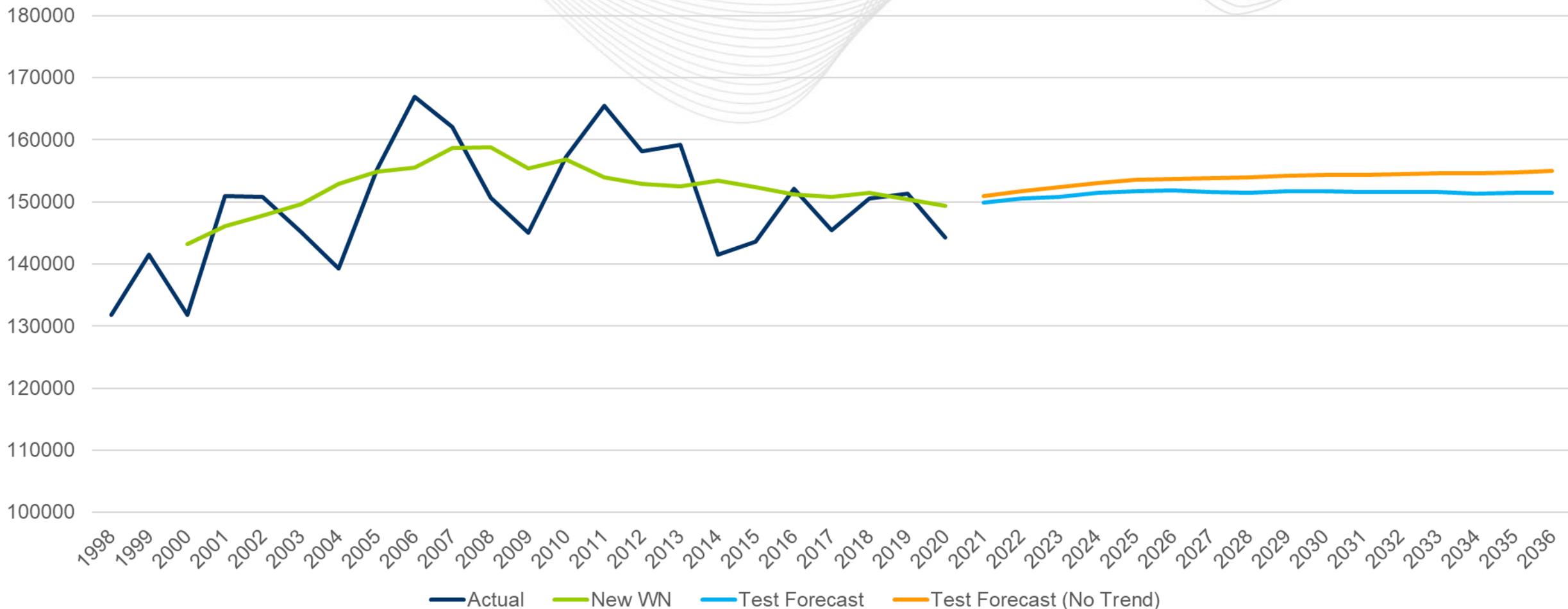


RTO Summer Peak Forecast



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- In the model there are monthly trend variables. These are to help the model capture factors the model may be missing (e.g. falling transmission losses, additional efficiency, other unknown factors).
- Stakeholder asked to see the sensitivity of the forecast results to these trend variables.



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- Updated forecast spreadsheets
 - Includes new test forecast (w/ and w/o trend) as well as weather normal values
- More materials forthcoming
 - Updated sector spreadsheets
 - More model detail (heat/cool spline information, weather variable composition, etc.)
- PJM will conduct analysis with sector models using 10 year estimation period and share findings.

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Forecast Methodology



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