

BPA Southern Intertie HNF Workshop Follow-Ups

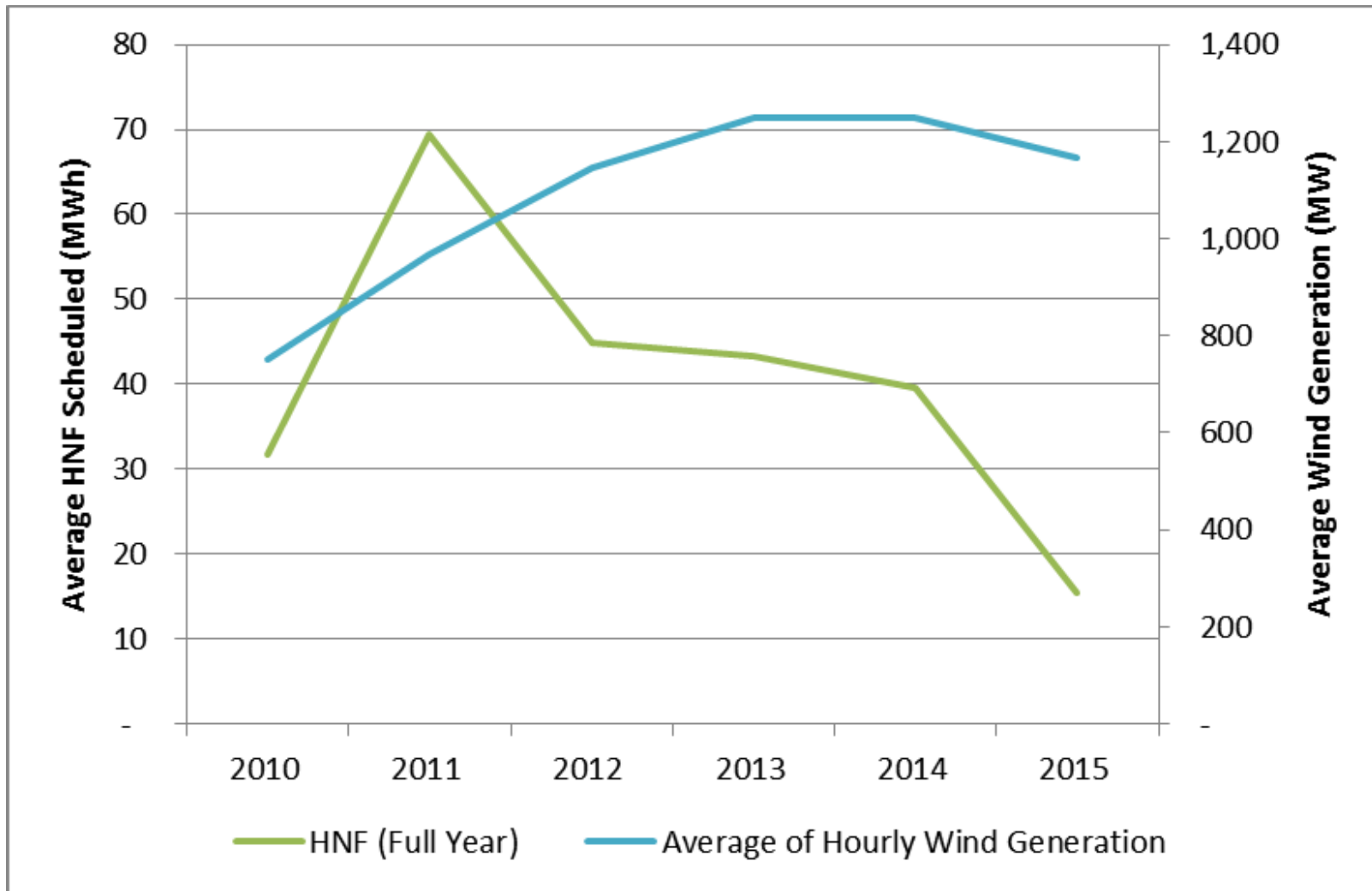
Requested at November 18 Workshop



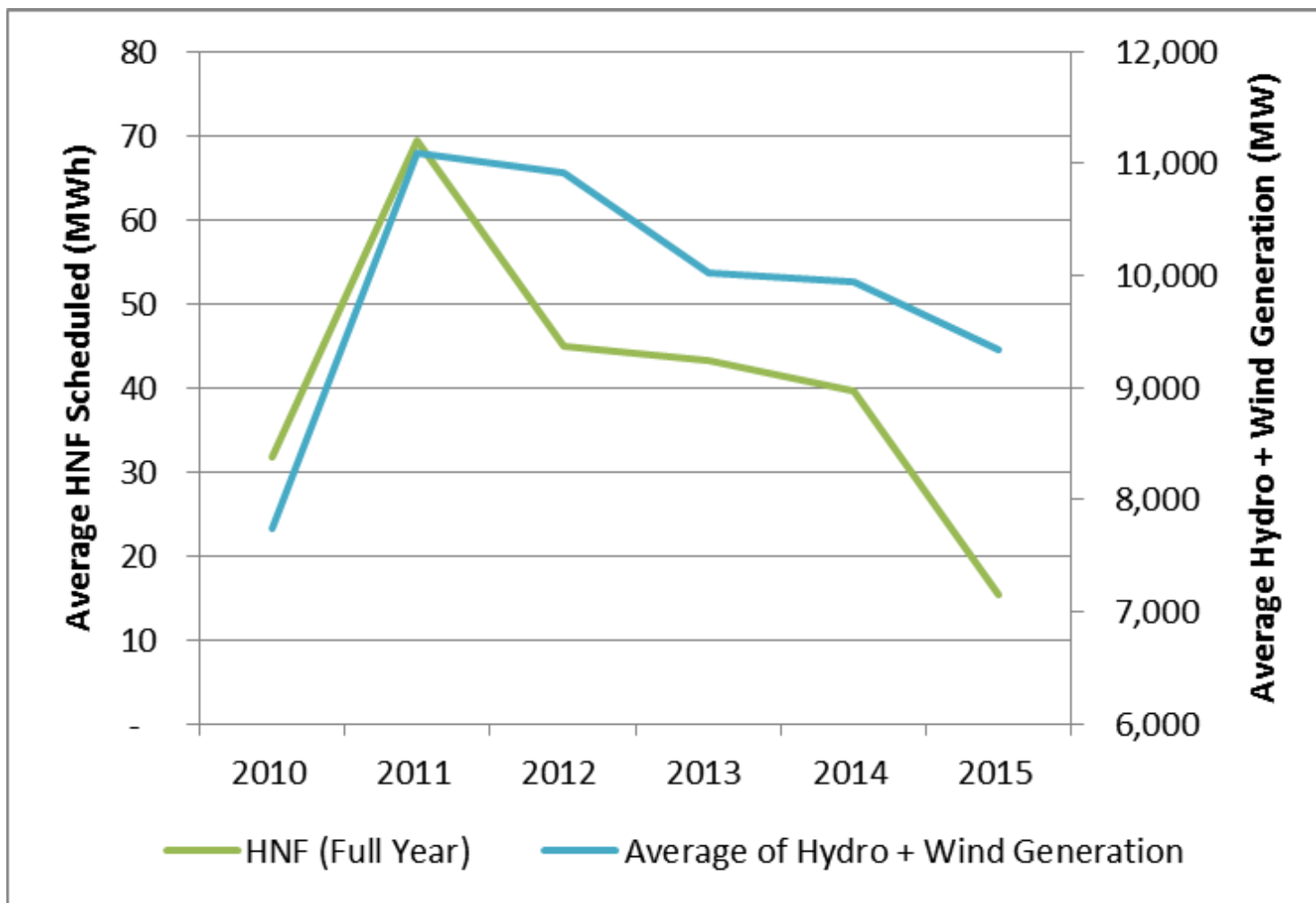
Nov 18 Workshop Follow-Up: Wind and Hydro Generation Data

- BPA committed to provide HNF schedules compared to wind generation.
- BPA is additionally providing a snapshot of HNF schedules compared to Wind + Hydro generation and HNF with Net Load.
- **Summary of Results:** the relationships appear somewhat correlated, but not as much as HNF schedules and hydro runoff.

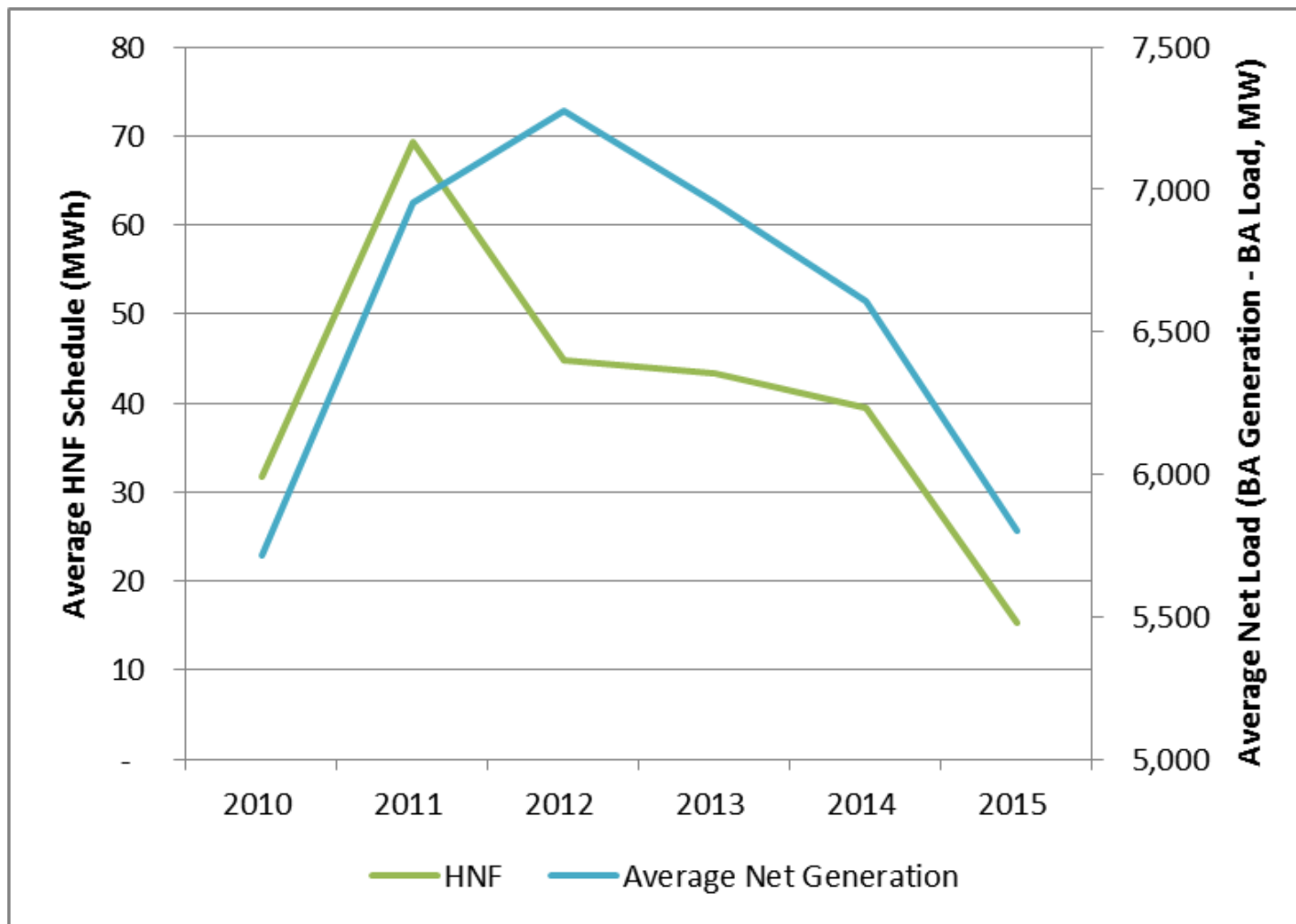
Average DC HNF and Wind Generation



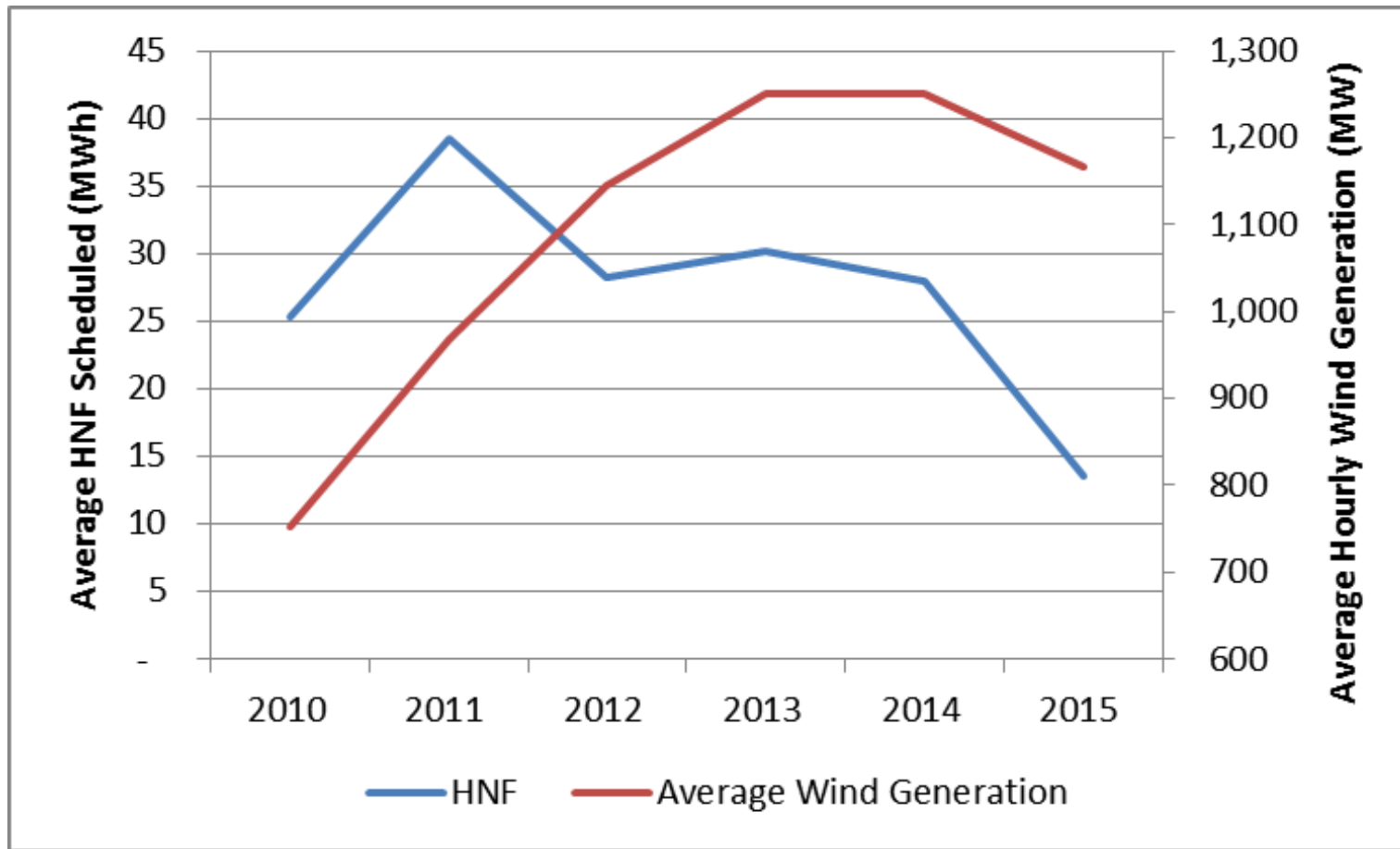
Average DC HNF and Hydro + Wind Generation



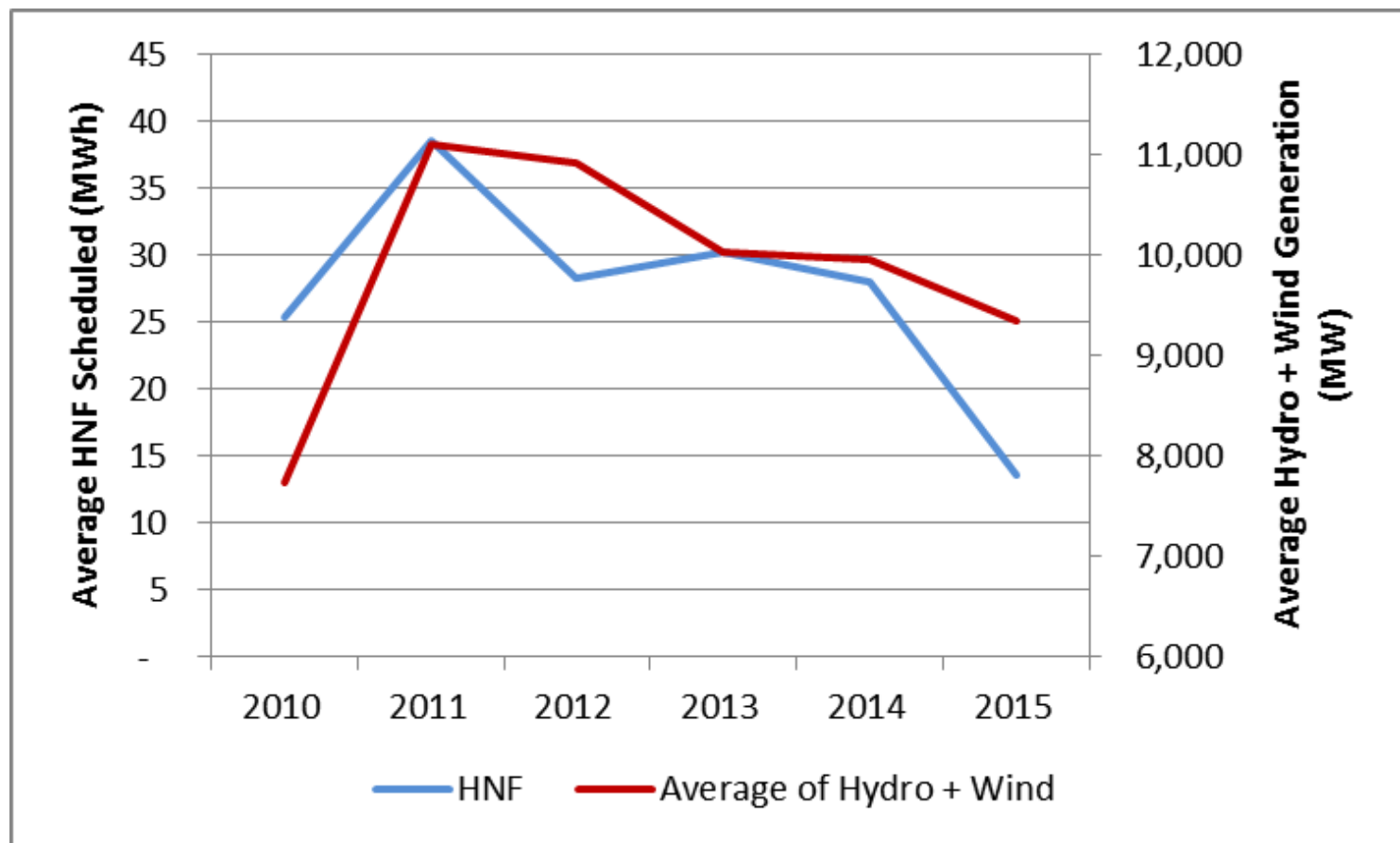
Average DC HNF and Net BA Generation (BA Generation – BA Load)



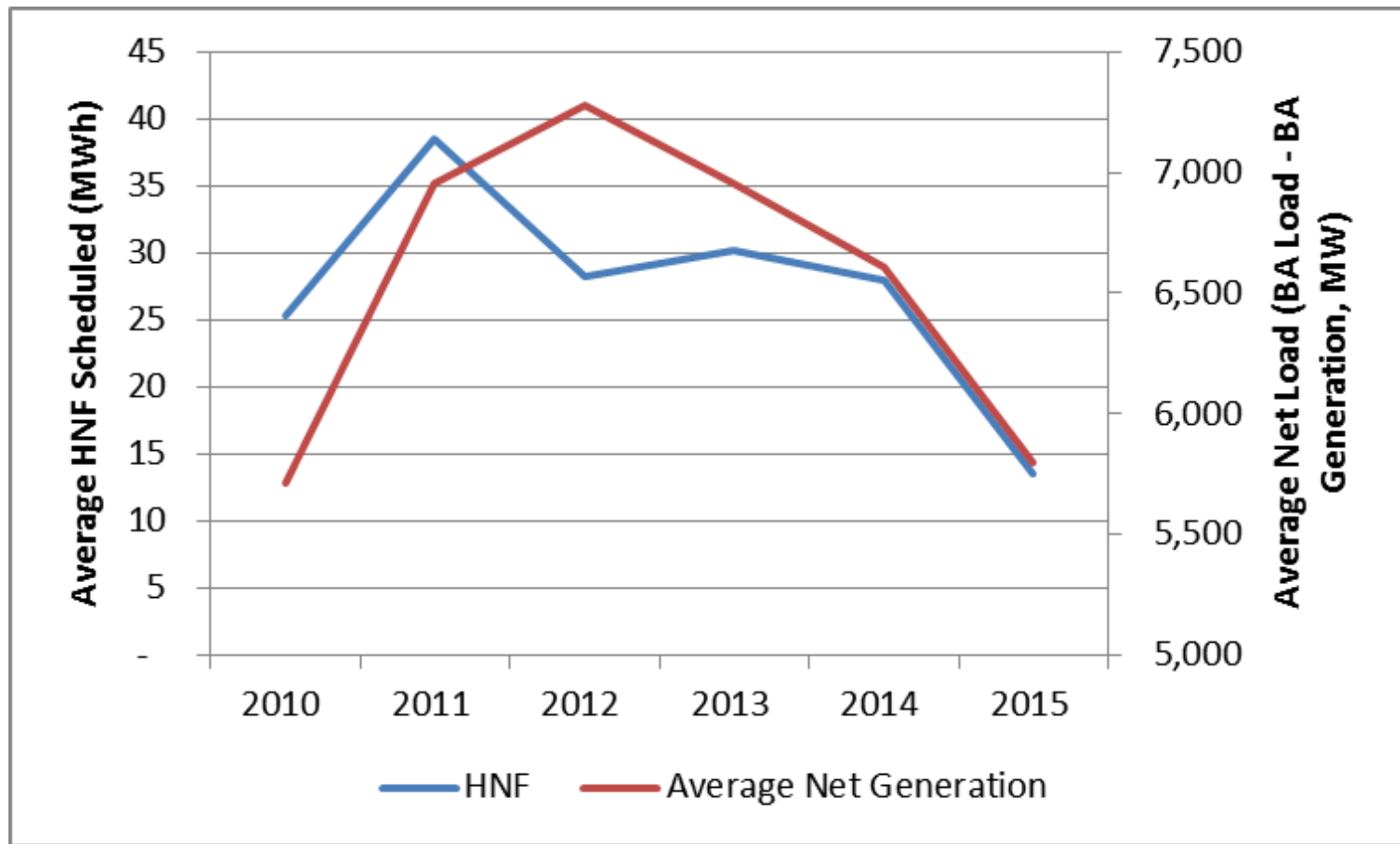
Average AC HNF and Wind Generation



Average AC HNF and Hydro + Wind Generation



Average AC HNF and Net BA Generation (BA Generation – BA Load)



Nov 18 Workshop Follow-Up: Resales Data

- BPA previously provided data that showed there are many more resales and redirects on the DC than on the AC.
- BPA committed to follow-up with additional information on resales on the Interties.

Breakout of Southern Intertie Resales

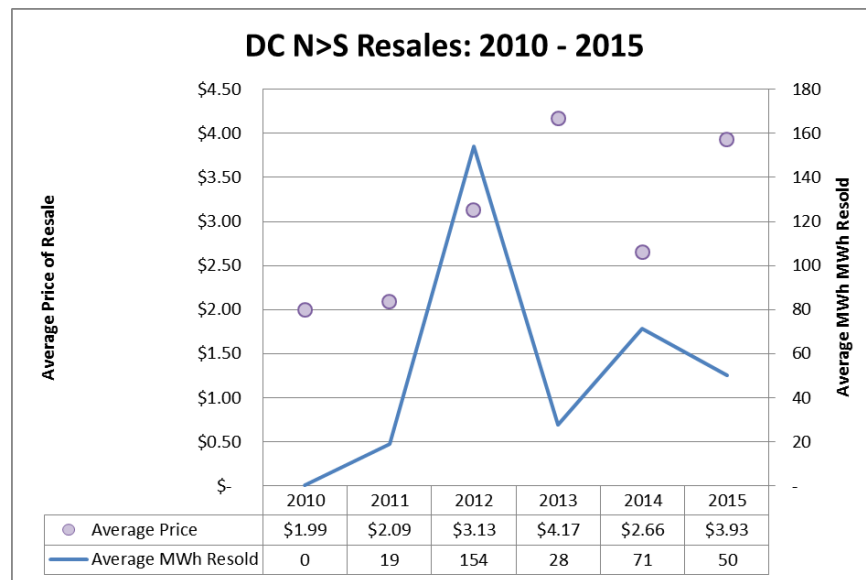
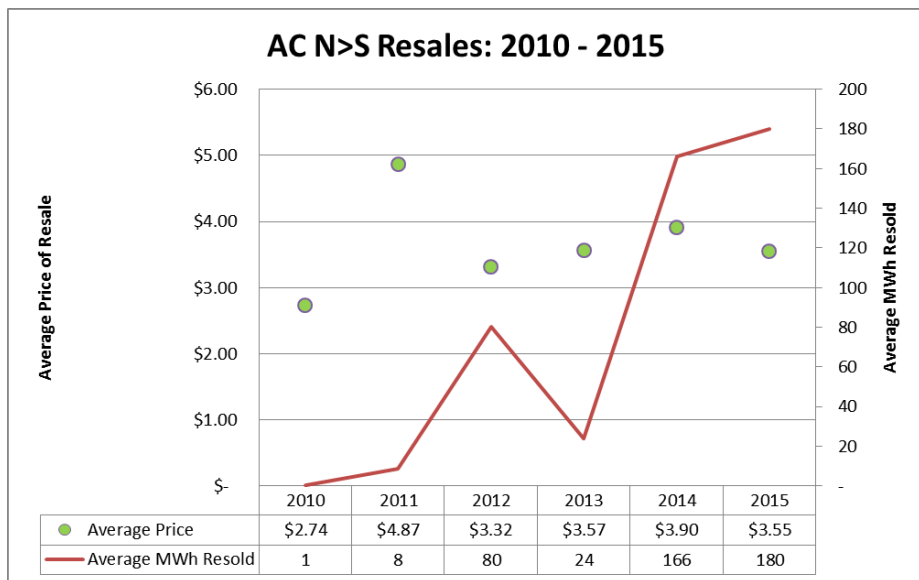
- For 2010 – 2015, resales between customers were more prevalent on AC than DC (60% and 40% of total resales respectively).
 - Customers have told BPA they use the resale function to aggregate their rights for easier scheduling.
 - This may account for the large number of redirects and resales on the DC.

2010 - 2015 Southern Intertie Resales

	Count of Resales	MWh Resold
DC N>S	40%	39%
AC N>S	60%	61%
DC S>N	0%	0%
AC S>N	0%	0%

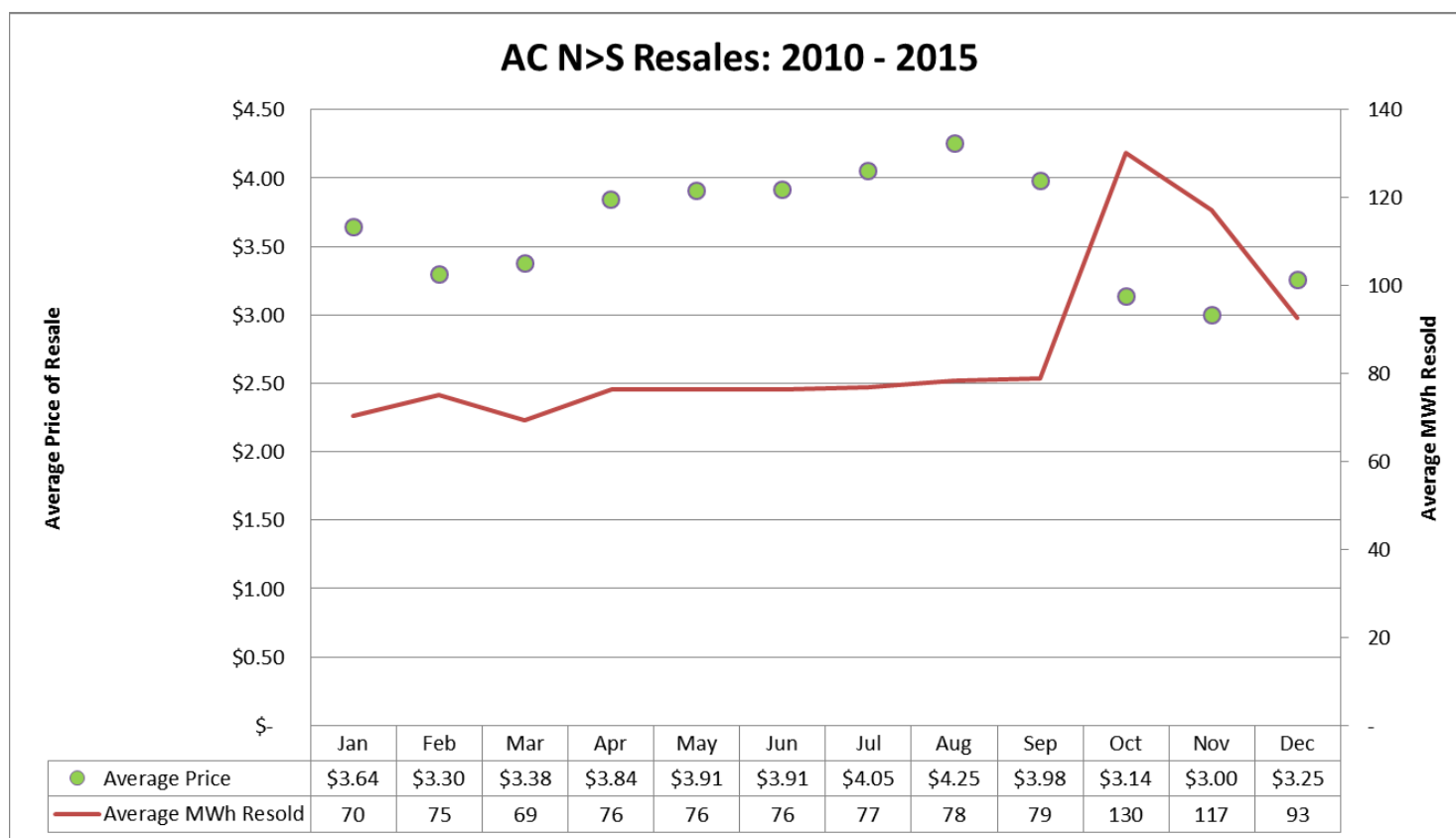
Resales Data

- On both ties, resales have generally increased since 2010, with a spike in 2012



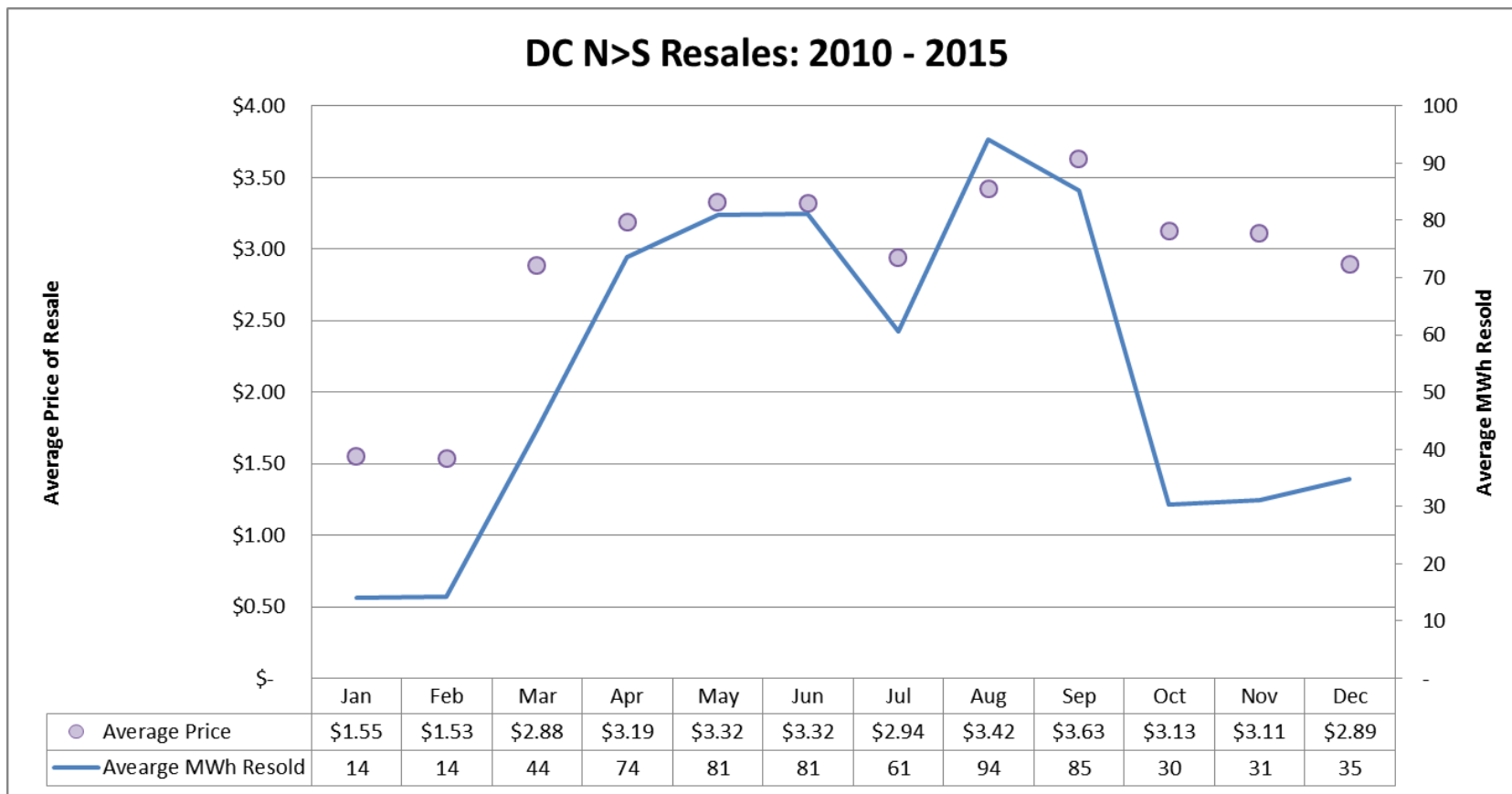
Resales Data (cont.)

- AC intertie did not show strong seasonal trends for use or value.
- Increased sales at lower prices in fall months.



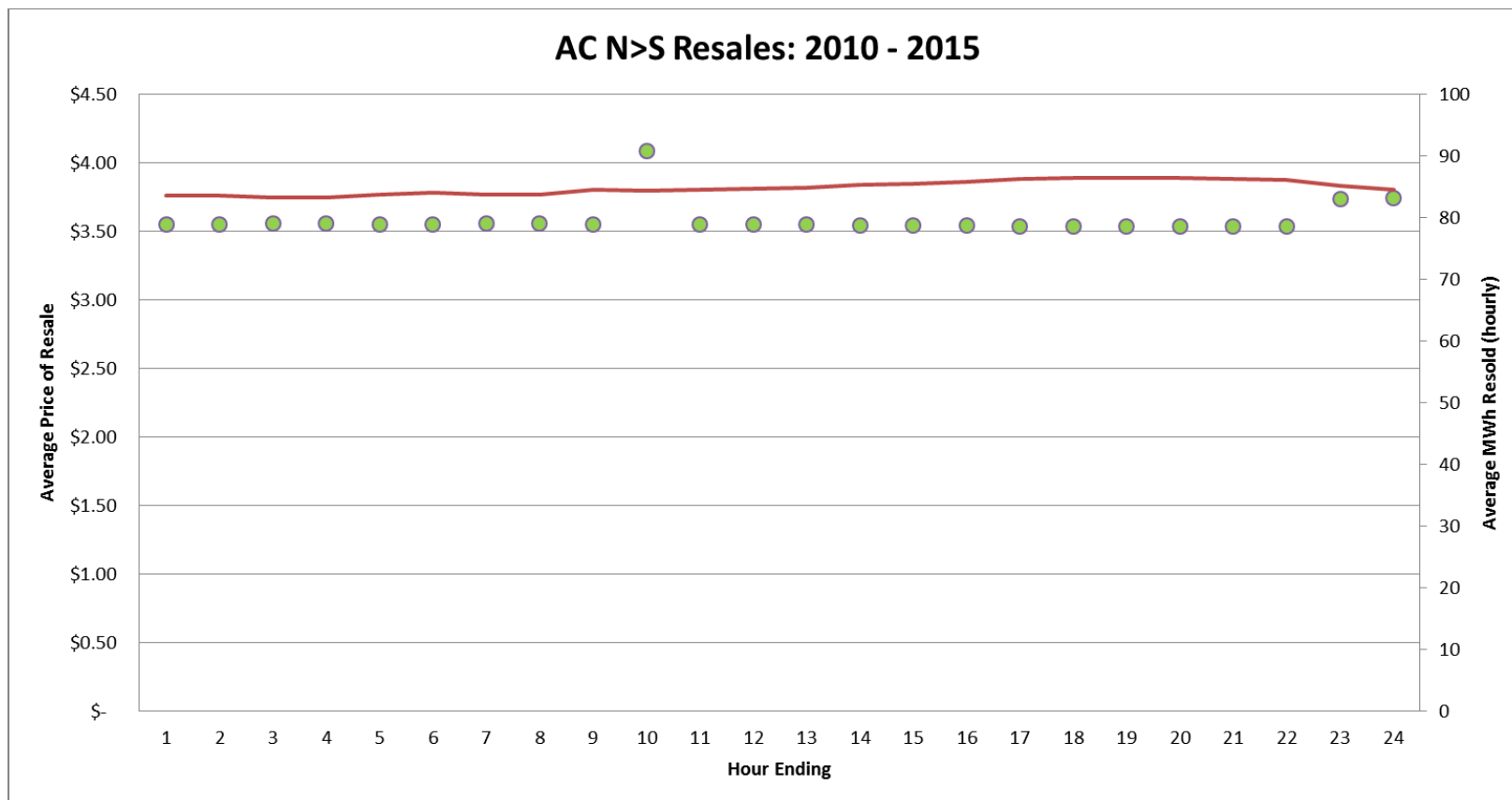
Resales Data (cont.)

- More expected trend for resales on the DC line – more resales at higher prices occurring in runoff and summer months.



Resales Data (cont.)

- The hourly shape of resales does not show strong trends in prices or quantity for either AC or DC path.



Resales Data (cont.)

