Sam,

Fortunately, as Jack said, we have the measured met information at the Carpenter Butte site and I was able to use that to estimate the 100 year recurrence maximum wind speed.

The maximum wind speed at that location with a 100 year recurrence for a 3 second average at 33 feet above ground level is 98.8 mph (44.2 m/s).

That estimate was calculated using the Gumbel distribution of estimating wind speed recurrence.

-Zack Kline
Wind Engineer
RAM Associates

Interpretation Testimony of Sam Myers for "Re: General Max wind levels of a 100 year intervals by Zack Kline, Wind Engineer, RAM Associates"

The following wind data is a direct result of my continuing effort at discovering our localized wind potential, specifically max winds. As we see from professional meteorologist who have seen our met tower data and with it were are able to scientifically conclude a more local 100 year maximum wind speed at the Carpenter Butte location with the correct applicable qualifications. The data directly contradicts IPCâ€™s 100 year design speed of 85mph. This data supports my continuing clam that the ASCE wind charts, used exclusively used by IPC do not reflect the site specific wind speed that ACTUALLY occurs at Carpenter Butte.

The professionally sourced data reveals that the charts relating to a 100 year MRI as seen in the ASCE manual are too low. The correct 100 MRI should be 100 mph as seen in the email. As we are predicted to encounter 100 mph winds with 100 year MRI. My contention that the 300 year MRI actually lines up much closer at 92 mph over 100 years, is substantiated. This data gives us proof that the B2H line is under engineered and that includes as a starting point selecting an erroneous design speed of 85mph with a 100 year MRI.

Simply put, IPC could have generated this data with minimal expense to allow them a more site a specific hard data source to engineer from, they choose a overly simplified approach, use a outdated manual 74 3rd edition without any localized data source's to substantiate the conclusion in the selection of a design wind speed.

Respectfully,

/s/ Sam Myers

Sam Myers