Product/Family, Best Foot Forward (BFF), Test Points and Qualification Ranges

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BFF and range submitted

- After one has found the peak MiB/sec/Watt from each of the SFS2014 workloads. Find the best foot forward by increasing and decreasing drive count and run suite again. This may take several iterations.

- Required by the EPA’s Energy Star program.

  For the low and high range points use either of the below:
  
  - Efficiency results with -40% drive count and +15 % drive count.
  - Efficiency results with -15% peak efficiency result and +15 % peak efficiency result, by decreasing and increasing drive counts to produce these efficiency results.
Emerald has defined the Best Foot Forward (BFF) – the optimal power efficiency data point (performance / Watt)

EPA has defined two additional data test points which determine the ENERGY STAR qualified range

- Either… -40% and +15% of the BFF storage device count
- Or… Storage device count points where Perf/W value is 15% < the BFF point
- Whichever provides the wider range or coverage of device count

Reference previous V2.0.2 Emerald Training slides
“Product Family, Best Foot Forward, Test Points and Qualification Ranges”
see starting with slide #30