Allocation Loop jemalloc (DRAM) 800 nvm\_malloc with CLWB 700 nvm\_malloc no fences/flushes pmcto\_malloc 600 pmobj\_malloc  $\frac{s}{8}$  in  $\frac{s}{400}$ 300 200 100 2.5 7.5 17.5 20.0 10.0 15.0 5.0 12.5 Parallel Threads