Allocation Loop jemalloc (DRAM) 800 nvm_malloc with CLWB 700 nvm_malloc no fences/flushes pmcto_malloc 600 pmobj_malloc $\frac{sw}{400} = \frac{1}{400}$ 300 200 100 017.5 20.0 2.5 5.0 7.5 15.0 10.0 12.5 Parallel Threads