

The data from simulating a fastpass priority queue revealed that at 50% utilization, increasing the amount of fastpasses given out almost linearly increased the residence time for non-fastpass holders. At 95% utilization, residence time appears to increase drastically around the 55% to 60% mark. Therefore, I would recommend selling fastpasses up until this point. Since the amount of fastpasses sold didn't drastically affect wait times at 50% utilization, I would cap fastpass sales around 20% or 30% to try to preserve the value of a fastpass.