

AC Hotel by Marriott - Madison
Peak Day Valet Parking Analysis

Valet Operations Peak Day Assumptions	
Number of Rooms	164
Occupancy	100%
Rooms Occupied	164
Guest Vehicles Valet Parked Per Room Sold	0.7
Total Guest Vehicles Valet Parked	115
Total In Per Guest Vehicle Valet Parked	1.2
Total Out Per Guest Vehicle Valet Parked	1.2
Non Guest Vehicles Valet Parked (In/Out)	23
Total Vehicle Valet Parked In	161
Total Vehicles Valet Parked Out	161

First Shift 6AM - 2PM

Time	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	Total
Arrival Distribution (% of Total Valet Parked In)	0%	1%	1%	1%	1%	1%	1%	1%	1%	7%
Vehicles Parked In	0	2	2	2	2	2	2	2	2	11
Departure Distribution (% of Total Valet Parked Out)	4%	8%	10%	12%	16%	12%	6%	3%		71%
Vehicles Parked Out	6	13	16	19	26	19	10	5		114
Valet Cycle Time (Min)	8	8	8	8	6.5	6.5	6.5	8		
Minimum Valet Staffing Required	0.86	1.93	2.36	2.79	2.96	2.26	1.22	0.86		
Proposed Peak Valet Attendant Staffing	2	2	3	3	3	3	2	2		
Proposed Valet Supervisor Staffing	1	1	1	1	1	1	1	1		
Total Proposed Valet Staffing	3	3	4	4	4	4	3	3		

Second Shift 2PM - 10PM

Time	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	Total
Arrival Distribution (% of Total Valet Parked In)	1%	6%	10%	18%	18%	16%	12%	6%		87%
Vehicles Parked In	2	10	16	29	29	26	19	10		140
Departure Distribution (% of Total Valet Parked Out)	2%	1%	1%	3%	4%	4%	4%	3%		22%
Vehicles Parked Out	3	2	2	5	6	6	6	5		35
Valet Cycle Time (Min)	8	8	6.5	5	5	5	6.5	8		
Minimum Valet Staffing Required	0.64	1.50	1.92	2.81	2.95	2.68	2.79	1.93		
Proposed Peak Valet Attendant Staffing	2	2	2	3	3	3	3	2		
Proposed Valet Supervisor Staffing	1	1	1	1	1	1	1	1		
Total Proposed Valet Staffing	3	3	3	4	4	4	4	3		

Third Shift 10PM - 8AM

Time	10:00 PM	11:00 PM	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	Total
Arrival Distribution (% of Total Valet Parked In)	2%	2%	1%	1%	0%	0%	0%	0%		6%
Vehicles Parked In	3	3	2	2	0	0	0	0		10
Departure Distribution (% of Total Valet Parked Out)	2%	2%	1%	0%	0%	0%	0%	2%		7%
Vehicles Parked Out	3	3	2	0	0	0	0	3		11
Valet Cycle Time (Min)	8	8	8	8	8	8	8	8		
Minimum Valet Staffing Required	0.86	0.86	0.43	0.21	0.00	0.00	0.00	0.43		
Proposed Peak Valet Attendant Staffing	1	1	1	1	1	1	1	1		
Proposed Valet Supervisor Staffing	0	0	0	0	0	0	0	0		
Total Proposed Valet Staffing	2	1	1	1	1	1	1	1		

Notes:

1. Peak Occupancy assumed to be on day when hotel is at 100-percent occupancy. Valet Staffing will be adjusted when hotel is not at full occupancy.
2. Each occupied room generates between .5 and .7 vehicles to be parked. Other guests arrive as passenger in another guests' vehicles, taxi, shuttle, or other means of transportation that does not require valet parking. For the purpose of this analysis, 0.7 was used to be conservative.
3. Total Vehicles In/Out is 240-percent of total guest vehicles to account for multiple In/Out operations and non-hotel guests parking on-site. This is also conservative considering the urban location and multiple walkable dining and entertainment options.
4. Peak Hour In/Out based on typical guest arrivals/departures at other NCG Hotels with peak total In/Out Valet operations between the 6 – 7 PM hour accounting for approximately 11-percent of total daily operations in this single peak hour (18-percent of arrivals and 4-percent of departures).
5. Valet Cycle Time as follows: 1) On-site Ramp = 4.5 min (assume 5 minutes), 2) Capitol North Ramp = 8 minutes, 3) Blended average = 6.5 minutes.