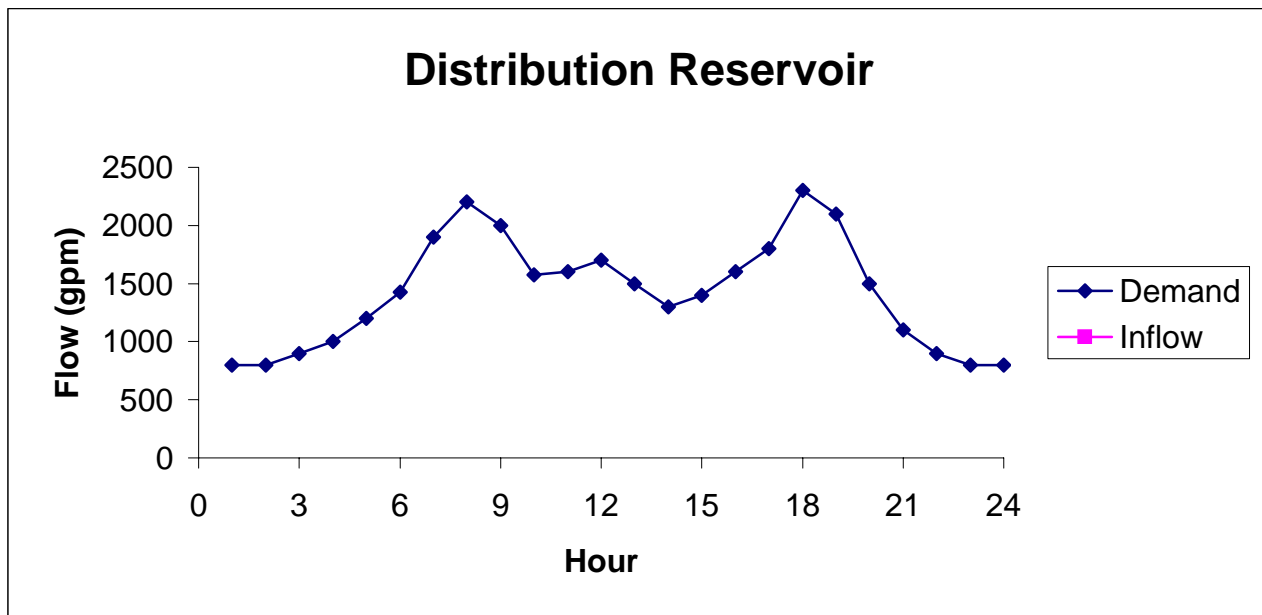


Storage Capacity for a Distribution Reservoir (Constant Daily Inflow)

Ending Time (hour)	(Given) Demand (gpm)	Inflow (gpm)	Storage Required (gpm)
1	800		
2	800		
3	900		
4	1000		
5	1200		
6	1425		
7	1900		
8	2200		
9	2000		
10	1575		
11	1600		
12	1700		
13	1500		
14	1300		
15	1400		
16	1600		
17	1800		
18	2300		
19	2100		
20	1500		
21	1100		
22	900		
23	800		
24	800		

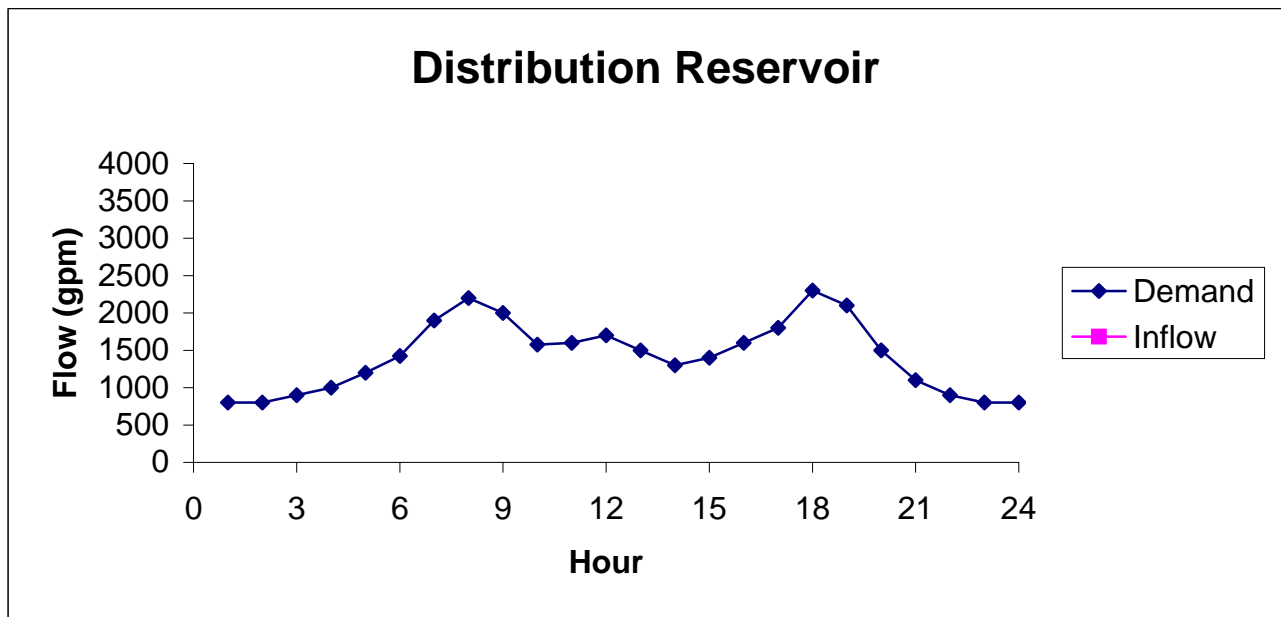
SUM 34200 gpm-hr



Storage Capacity for a Distribution Reservoir (Constant Inflow for 9-hours)

Ending Time (hour)	(Given) Demand (gpm)	Inflow (gpm)	Storage Required (gpm)
1	800		
2	800		
3	900		
4	1000		
5	1200		
6	1425		
7	1900		
8	2200		
9	2000		
10	1575		
11	1600		
12	1700		
13	1500		
14	1300		
15	1400		
16	1600		
17	1800		
18	2300		
19	2100		
20	1500		
21	1100		
22	900		
23	800		
24	800		

SUM 34200 gpm-hr



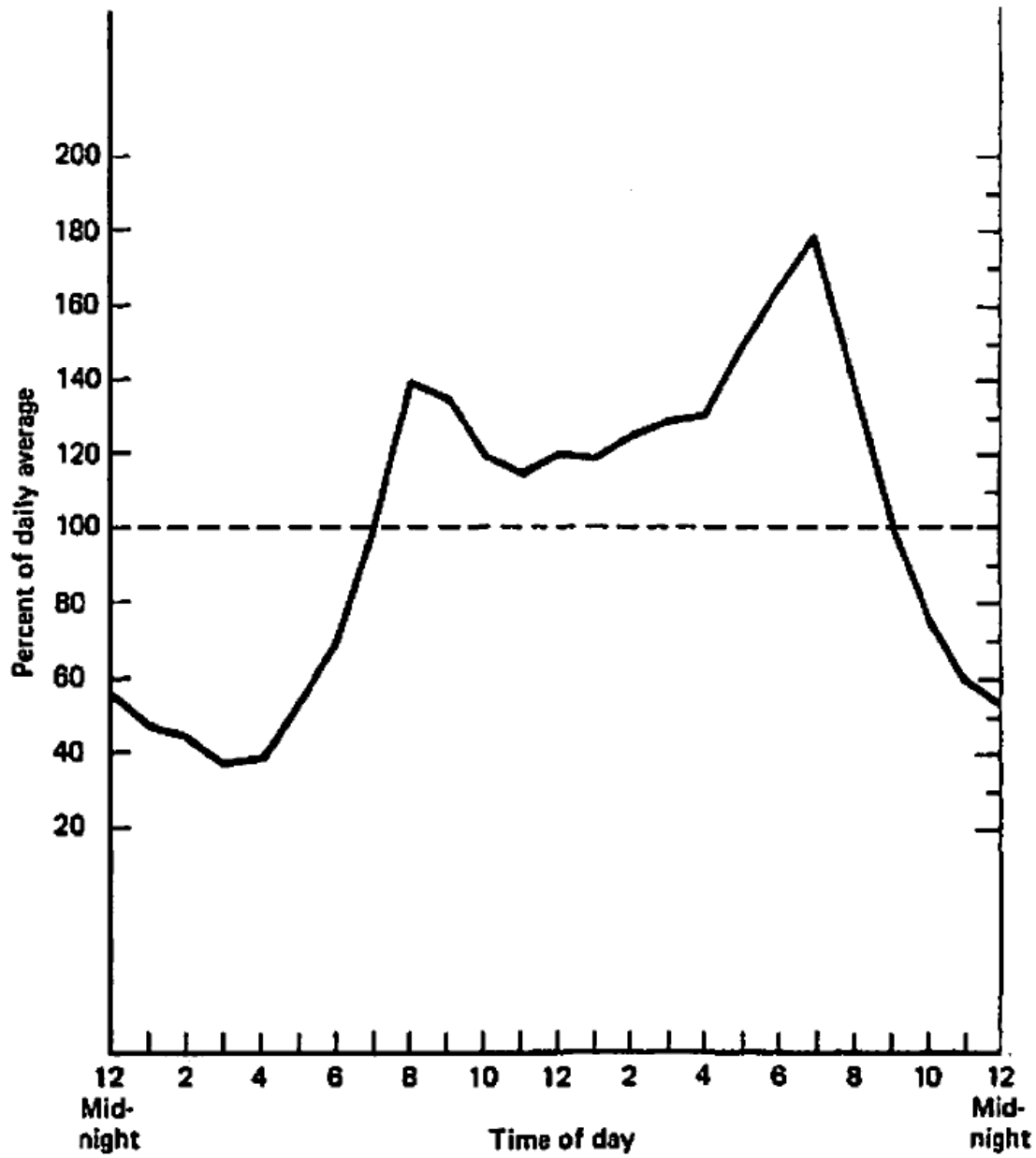


Figure 1.5 Typical variation in usage in a day.