Appendix P Infrastructure

1. SUPPORTING DOCUMENTATION

The tables included in this section were referenced the Infrastructure Chapter: the average daily and average dry weather sewage flow from the North River Water Pollution Control Plant (provided by New York City Department of Environmental Protection); and calculated water usage and wastewater generation for the Multi-Use Facility and expanded Convention Center (provided by the designers of these facilities).

North River

MONTH	SEWAGE FLOW DAILY MGD	SEWAGE FLOW DRY MGD
Oct-02	140	121
Nov-02	130	118
Dec-02	128	120
Jan-03	125	119
Feb-03	129	125
Mar-03	130	122
Apr-03	134	128
May-03	129	122
Jun-03	149	130
Jul-03	129	124
Aug-03	129	120
Sep-03	132	122
Average	132	123

WEST SIDE UTILITY LOADS

Wastewater Calculations

Facility	patron criteria gpd per patron	patrons	patron load GPD	room/apartment criteria gpd per room	rooms	Room load GPD	employee criteria gpd per employee	employees	employee load GPD	Total wastewater GPD
Jets Stadium (note 2)	5	75,000	375,000	n/a	n/a	0	20	2,500	50,000	425,000
Convention Center Expansion (note 1)	5	40000	200,000	n/a	n/a	0	20	585	11,700	211,700
Hotel	n/a	n/a	0	150	1500	225000	20	400	8,000	233,000
Totals										869,700

Water Use Calculations

Facility	patron criteria gpd per patron	patrons	patron load GPD	room/apartment criteria gpd per room	rooms	Room load GPD	employee criteria gpd per employee	employees	employee load GPD	Total potable water use GPD	cooling tower use GPD	Total Domestic water use GPD	Peak Flowrate GPM
Jets Stadium (note 2)	5	75,000	375,000	n/a	n/a	0	20	2,500	50,000	425,000	288,000	713,000	4000
Convention Center Expansion (note 1)	5	40000	200,000	n/a	n/a	0	20	585	11,700	211,700	446,400	658,100	1100
Hotel	n/a	n/a	0	150	1500	225000	20	400	8,000	233,000	134,400	367,400	1200
Totals										869,700	868,800	1,738,500	6,300

Note 1 - Utility loads are based on incremental increase of 70,000 to 110,000 patrons on a peak day
Note 2 - No credit has been taken for storm water reuse