



**City Utilities
Design Standards
Manual**

Exhibit W5-3
Design Demand Determination Worksheet

Created: January 1, 2002

Revised: June 10, 2014

Complete the following table to determine the Design Demand:

DEMAND TYPE

Domestic Demand

Residential, # houses x 0.35 =

Commercial, # of capita x 0.07 =

Industrial, # of capita x 0.07 =

Other:

*** Process Water Demand**

Description:

Description:

*** Indirect Demand**

Description:

Description:

*** Unknown Demand**

Description:

Description:

Average (gpm)	Peak Factor	Maximum (gpm)
	x 2.5	
	x 2.5	
	x 2.5	
	x <input type="text"/>	
	x 1.6	
	x <input type="text"/>	

Fire Flow (check all that apply but use only highest flowrate in Design Demand determination)

- Residential (minimum 1,000 gpm)
- Commercial (typically 1,500 – 2,500 gpm)
- Industrial (typically 1,500 – 3,500 gpm)
- Other

DESIGN DEMAND TOTAL

* Documentation verifying or justifying this type of demand must be provided. This can include text references, studies, comparisons, or other sources of information.