

A2.0 Basic Standards for the State of: UTAH

OUTDOOR DEMAND and IRRIGATION STANDARDS	Irrigation Zones Defined (from Attached Zone Map)	Source Peak Day Demand Requirement (gpm per irrigated acre)	Source Ave. Yearly Demand Requirement (ac-ft per irrigated acre)	Outdoor Storage Volume Requirement (gallons per irrigated acre)	Peak Instantaneous Flow Requirement (gpm per irrigated acre)
Zone 1	1	2.26	1.17	1,782	4.52
Zone 2	2	2.80	1.23	1,873	5.60
Zone 3	3	3.39	1.66	2,528	6.78
Zone 4	4	3.96	1.87	2,848	7.92
Zone 5	5	4.52	2.69	4,081	9.04
Zone 6	6	4.90	3.26	4,964	9.80
Zone 7					
Zone 8					
Zone 9					
Zone 10					
Zone 11					
Zone 12					
Zone 13					
Zone 14					
Zone 15					
Zone 16					
Zone 17					
Zone 18					
Zone 19					
Zone 20					

These standards should be based on minimum State or other Local Regulatory Agency requirements. Some conversion may be necessary for some entries. Where no standards exist, use the best estimate of local demands for standards. These figures are used in the System Sizing Worksheet. An ERC means Equivilant Residential Connection.

INDOOR DEMAND STANDARDS

Source Peak Day Demand Requirement (gallons per day per connection or ERC):	800
Source Average Yearly Demand Requirement (gallons per year per connection):	146,000
Storage Volume Required per Connection or ERC (gallons in reservoir):	400

For Peak Instantaneous Demand Flows (PID), adjust formulas in lines 99 and 101 of "System Sizing" Worksheet.

FIRE STORAGE STANDARDS

Minimum Fire Flow Required in gpm:	1,000
Minimum Duration of Fire Flow in minutes:	120
Minimum Fire Storage in Gallons:	120,000
Local Jurisdiction Fire Flow Required in gpm:	1,500
Local Jurisdiction Duration of Flow in minutes:	120
Local Jurisdiction Fire Storage in Gallons:	180,000

Additional Emergency Storage gallons per ERC as required by Water Utility:	400
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Standard Source Reserve Requirement: **33.00%**

Normal System Design Peaking Factor **2.00**