

Demand Calculations

Step 1: Calculate Future Population

Future Population

	Page, AZ	LeChee, AZ	Total
Existing	7,547	1,589	9,136
Future	8,396	4,387	12,783

Population Growth (%) Per Year

Page	LeChee	Future Design (yrs)
0.426%	4.06%	25

Step 2: Calculate Water Demand

TWD = MDD + NFF

or

MHD

USE GREATER OF TWO

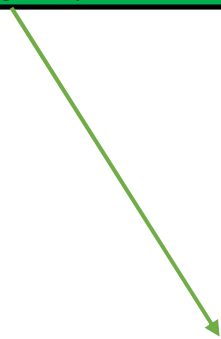
Total Water Demand

Demands		Flows Rounded Up
ADD (gpd)	2,300,962	
ADD (gpm)	1,598	
MDD (gpm)	2,876	
NFF (gpm)	1,050	1,250
<i>TWD (gpm)</i>		4,126

Max Hourly Demand

<i>MHD (gpm)</i>	5,193
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Greatest!!! -->
Exceeds Page Requirements



Step 3: Compare to Page Standards

Page Minimum Demand Requirements

Water Demand (gpcd)	Peak Factor	Req'd Demand (gpcd)
165	3	495
Minimum Required Demand (gpm)		
4394		
Fire Flow Minimum Delivery (gpm)		
1000		