

# Cap Allen Engineering

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Animas Water Company  
Summary of System Supply Capacity

The following table is a simplification of the full water status letter for AWC prepared in August 2022, which is included here and can be studied if you are more ambitious in your desire for understanding of the AWC system.

An issue to understand when considering AWC water supply is that all of the 4 wells in regular use in the system have never experienced a water level “drawdown” of any significance. The Animas River aquifer is a stable and productive aquifer when properly engineered well structures provide the supply. The operation of the wells is low maintenance. The reason for presenting a 50% capacity example below is to be conservative and allow for emergencies should they occur. Past demands on the wells at 100% duty have occurred for periods of weeks or more with no ill effects.

The infrastructure of the Animas Water Company supports the peak uses. While the AWC does have some smaller water main sizes that could be improved at this time there is no incentive to do so short of a development proposal that might use those smaller mains. Tanked storage provides a buffer for short term peaks.

Simplified System Supply Status:

<b>Current Users</b>	<b>Current Peak Summer Use, typical ( utilizing 50% of well capacity)</b>
<b>1910 “equivalent” users/(dwellings)</b>	<b>21.7 million gallons per month (July 2020)</b>
<b>Future Users, Firm Supply, Users</b>	<b>Peak Summer Use (only utilizing 50% of well capacity)</b>
<b>3500 equivalent users</b>	<b>40 million gallons per month</b>
<b>Peak Use/Capacity Utilizing Current Wells Only in place status, 100% duty</b>	
<b>56 million gallons per month</b>	
<b>Peak Use/Capacity Utilizing Current Wells Only, no new wells, at 100% duty with full available infrastructure improvement to all wells to increase total production</b>	
<b>81 million gallons per month</b>	
<b>Note, these Peak Use/Capacity numbers consider only the current wells in place at AWC. Refer to the overall report 8/2022 for further detail on additional wells in place or well easements in place, and additional water rights owned by AWC. <u>Potential capacity is far greater.</u></b>	

Here are the general anticipated needs of recently approved projects within AWC service. Adjustment of overall demand has been made based on project type.

Estancia Subdivision	Approval 2006	Peak month use	0.5 mg/mo.
Aspen Glade	Approval 2017	Peak month use	0.2 mg/mo.
Hall Mini Homes	Approval 2021	Peak month use	0.1 mg/mo
Dalton West	Approval 2023	Peak month use	0.6 mg/mo.
RV Park at Oldcastle site	Submittal Phase	Peak month use	1.8 mg/mo.

The above total of indicates a maximum increase in peak demand (usually a dry June) of 3.2 mg/month. Note the period over which these projects were presented and approved. It does not represent a sudden surge of any kind. Also consider the available densities remaining in the Hermosa / AWC area through planning density restrictions, etc.

There is significant supply overhead remaining in the AWC system for any currently foreseeable density increases, and well into the future. This is a standout unusually well supplied system by Colorado standard.

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