

# WATER RESOURCES REPORT

FOR

## Monument Academy Subdivision and Walden Preserve 2, Filing No. 5

December 8, 2021

Prepared for  
Walden Preserve  
Matt Dunston  
1230 Scarsbrook Court  
Monument, CO 80132

Oliver E. Watts, Consulting Engineer, Inc.  
Colorado Springs, Colorado

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**Celebrating over 42 years in business**

December 8, 2021

Bill Dunston  
Walden Corporation  
17145 Colonial Park Drive  
Monument, CO 80132

Gentlemen,

At your request, I have investigated the water supply resources of the corporation to determine the existing capacity of the corporation system.

**WATER SUPPLY:** The following are the available water rights.

## **WALDEN CORPORATION WATER SYSTEM WELL PERMIT SUMMARY**

October 1, 2021

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As detailed in the "Ground Water Supply Investigation" report by Curtis Wells & Co., the Walden Corporation operates a central water system consisting of 7 Denver Basin wells (6 Dawson aquifer and 1 Denver aquifer), which have been adjudicated in Water Court Cases W-7843-74 and W-6220. The total annual appropriation of the Walden Corporation wells is 604 af/yr, providing a total decreed 100-year supply of 60,400 acre-feet. The Walden central water system currently utilizes the following wells:

**Walden Corporation Well Permit Summary (Central Water System)**

<b>Well No.</b>	<b>Permit No.</b>	<b>Decreed Annual Appropriation (af)</b>
1 (Dawson)	51749-F-R (formerly 34881)	4,500
2 (Dawson)	51751-F-R (formerly 34842)	1,900
3 (Dawson)	25998-F-R	1,300
4 (Dawson)	51750-F-R	2,600

5 (Dawson)	63866-F-R	2,300
6 (Dawson)	16389-F-R	23 800
7 (Denver)	32697-F	24,000
<b>Decreed</b>	<b>Case W-78430 &amp; W-6220</b>	<b>60,400</b>
<b>Decreed</b>	<b>Case 2016-CW3103</b>	<b>15,500</b>
<b>Total</b>		<b>75,900</b>

The District has the following commitments for service:

**Walden Corporation - Water Supply Commitment Summary  
(Central Water System)**

	<b>SFE</b>	<b>Ave. Day Dmd. (af/yr)</b>	<b>Total Water Demand (af)</b>
Historic Commitments ('03)	245.2	83.36	8,336 <sup>3</sup>
Walden Pines Subdivision	7	2.38	714 <sup>4</sup>
Walden Preserve Filing No. 1 (73 lots + Tract A)	74	25.16	7,548 <sup>4</sup>
Walden Preserve 2 PUD <sup>6</sup>	116	39.44	11,832 <sup>4</sup>
<b>Total Water Commitments</b>	<b>442.2</b>	<b>150.3</b>	<b>28,430</b>

<sup>1</sup> Total Dawson/Denver groundwater supply authorized by decree or permit (W-78430 / W-6220) per Curt Wells & Co. report (and DWR letter dated 7/3/13)

<sup>2</sup> Total supply based on legal and physical well production (per DWR letter dated 8/15/14)

<sup>3</sup> Historic filings previously approved based on 100-year supply requirement

<sup>4</sup> New filings required to demonstrate 300-year water supply

<sup>5</sup> Walden Preserve 2 PUD (116 total lots) includes 12 lots previously identified as "Walden Preserve Filing No. 1A" in previous reports / correspondence

<sup>6</sup> WP2 Filing No. 5 comprises the final 50 lots that are a part of the Walden Preserve 2 PUD

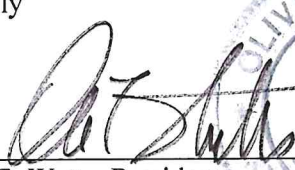
The above commitment numbers are based on the assumed average use of 0.34 acre feet per year per residence (Single Family Equivalent), based on the "Ground Water Supply Investigation" for Walden by Curtis Wells & Co. This is based on a projected use of 0.27 acre feet per year for in house use and irrigation of roughly 2,000 square feet of lawn or garden. District use figures show the actual use numbers to be somewhat less than that. This could be the result of some part time occupancy or occupancy of less than one hundred percent, along with limited landscape irrigation in this forested community; however the above commitment figures appear to be conservative on the high side based on actual water use records.

According to District records, the existing Kilmer elementary school has a water use average of 23,000 gallons per month and a population of 383 students. Applying this average to the proposed Monument Academy school population of 1000 students, the total school commitment would be 3.1 acre feet per year, which correlates to 9.1 SFE. The availability could be summarized as follows:


Available resources:	75,900 AF
Total Commitment	28,431 AF

The proposed total commitment computes to 37% of the availability. The Corporation therefore has more than adequate resources to provide a dependable water supply to the Walden Preserve 2 PUD, including Filing No. 5 and Monument Academy Subdivision.

Sincerely

  
12/8/21

Oliver E. Watts, President  
For and on behalf of  
Oliver E. Watts, Consulting Engineer, Inc.



Encl.

M A Subdivision Water Supply Information Summary

Walden Corporation  
PO Box 1870  
Monument, CO. 80132

January 4, 2022

Walden Holdings I, LLC, Matthew W. Dunston, Managing Member  
17145 Colonial Park Dr.  
Monument, CO. 80132-8437

**RE: Walden Preserve 2, Filing No. 5  
Water Service Commitment**

Dear Mr. Dunston:

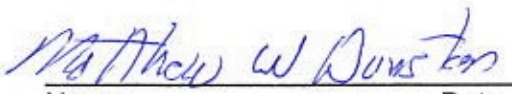
It is our understanding that Walden Holdings I, LLC (the "Developer") is interested in obtaining water service from the Walden Corporation for the property know as Walden Preserve 2, Filing No. 5 (the "Development"). It is our understanding that the Development consists of 50 single family residential lots.

Walden Corporation will provide water service to the Development in accordance with the Corporation's Rules and Regulations. Walden Corporation understands that all water rights associated with the Development have been appropriately conveyed, the Developer has committed to construct local water facilities as required to serve the Development in accordance with the subdivision construction drawings, and the Developer has provided for dedication of necessary easements and rights of way for the water improvements through the subdivision plans and related plat documents.

The proposed Development will be served by the Walden Corporation's water system. The Walden Corporation hereby provides and unconditional commitment to serve 50 single family residential lots located within the Walden Preserve 2 Filing No. 5, with an estimated annual water demand of 17.0 acre-feet per year.

WALDEN CORPORATION

  
Signature

  
Name

Date

1/7/2022

# WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a water supply that is sufficient in terms of quantity, quality and dependability will be available to ensure an adequate supply of water."

1. NAME OF DEVELOPMENT AS PROPOSED <u>Walden Preserve 2 Filing No. 5</u>			
2. LAND USE ACTION <u>Final Plat</u>			
3. NAME OF EXISTING PARCEL AS RECORDED			
SUBDIVISION	FILING	BLOCK	LOT
4. TOTAL ACREAGE	5. NUMBER OF LOTS PROPOSED <u>50</u> PLAT MAP ENCLOSED <input checked="" type="checkbox"/> YES		
6. PARCEL HISTORY - Please attach copies of deeds, plats or other evidence or documentation.			
A. Was parcel recorded with county prior to June 1, 1972? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
B. Has the parcel ever been part of a division of land action since June 1, 1972? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
If yes, describe the previous action			
7. LOCATION OF PARCEL - Include a map delineating the project area and tie to a section corner.			
<u>1/4</u> OF <u>1/4</u> SECTION <u>14, 15</u> TOWNSHIP <u>11</u> <input type="checkbox"/> N <input checked="" type="checkbox"/> S RANGE <u>66</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W			
PRINCIPAL MERIDIAN: <input checked="" type="checkbox"/> 6TH <input type="checkbox"/> N.M. <input type="checkbox"/> UTE <input type="checkbox"/> COSTILLA			
8. PLAT - Location of all wells on property must be plotted and permit numbers provided. Surveyors plat <input type="checkbox"/> Yes <input type="checkbox"/> No If not, scaled hand drawn sketch <input type="checkbox"/> Yes <input type="checkbox"/> No			
9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Feet per Year		10. WATER SUPPLY SOURCE	
HOUSEHOLD USE # <u>50</u> of units	GPD <u>13.5</u> AF	<input checked="" type="checkbox"/> EXISTING WELLS	<input type="checkbox"/> DEVELOPED SPRING <input type="checkbox"/> NEW WELLS - PROPOSED AQUIFERS - (CHECK ONE) <input type="checkbox"/> ALLUVIAL <input type="checkbox"/> UPPER ARAPAHOE <input type="checkbox"/> UPPER DAWSON <input type="checkbox"/> LOWER ARAPAHOE <input type="checkbox"/> LOWER DAWSON <input type="checkbox"/> LARAMIE FOX HILLS <input type="checkbox"/> DENVER <input type="checkbox"/> DAKOTA <input type="checkbox"/> OTHER
COMMERCIAL USE # <u>0</u> of S.F.	GPD <u>0</u> AF	WELL PERMIT NUMBERS	
IRRIGATION # <u>2.17</u> of acres	GPD <u>3.5</u> AF	<u>51749-FR 63866-FR</u>	
STOCK WATERING # <u>0</u> of head	GPD <u>0</u> AF	<u>51751-FR 16389-FR</u>	
OTHER	GPD <u>0</u> AF	<u>25998-FR 32697-F</u>	
TOTAL	GPD <u>17.0</u> AF	<u>51750-FR</u>	<input type="checkbox"/> MUNICIPAL <input type="checkbox"/> ASSOCIATION <input checked="" type="checkbox"/> COMPANY <input type="checkbox"/> DISTRICT NAME <u>Walden Corporation</u> LETTER OF COMMITMENT FOR SERVICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
11. ENGINEER'S WATER SUPPLY REPORT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE FORWARD WITH THIS FORM. (This may be required before our review is completed.)			
12. TYPE OF SEWAGE DISPOSAL SYSTEM			
<input type="checkbox"/> SEPTIC TANK/LEACH FIELD		<input checked="" type="checkbox"/> CENTRAL SYSTEM - DISTRICT NAME <u>Walden Corporation</u>	
<input type="checkbox"/> LAGOON		<input type="checkbox"/> VAULT - LOCATION SEWAGE HAULED TO	
<input type="checkbox"/> ENGINEERED SYSTEM (Attach a copy of engineering design)		<input type="checkbox"/> OTHER	

WATER COURT DECREE CASE NO.'S

W-6220

W-78430-74

2016 CW 303