



# Town of Johnstown

## Annual Water Demand Worksheet

Project Name: \_\_\_\_\_ Subdivision: \_\_\_\_\_

Site Address: \_\_\_\_\_ Parcel #: \_\_\_\_\_

Applicant/Project Owner: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Consultant /Representative: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Submitted: \_\_\_\_\_

*Signature (required)*

*Date*

### Project Summary

Detailed Description of Proposed Land Use: \_\_\_\_\_

**Commercial/Industrial** – Type of business, expected number of employees. Attach records for comparable projects.

**Raw Water Source:**  Eligible for Existing Water Bank for Project/Owner: \_\_\_\_\_

**IF:**  Home Supply -or-  Other Ditch Co: \_\_\_\_\_ *Attach Historical Use data & Ditch Co trace.*

Certificate #s: \_\_\_\_\_

Court Case #: \_\_\_\_\_

### Overall Site Summary:

*Must match Development Plan data*

Total Lot Size:	_____ SF	(_____ Ac)
Building Coverage	_____ SF	_____ % of Total Lot Size
Walks, Drives, Parking	_____ SF	_____ %
Landscaped Areas – Irrigated	_____ SF	_____ %
Landscaped Areas – Right-of-way	_____ SF	
Landscaped Areas – Non-Irrigated	_____ SF	_____ %

The Community That Cares

johnstown.colorado.gov

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**Irrigation Demand**

**I. All Uses - General L.S. areas (parks, common area, greenbelts, entry features, right of way, etc.)**

a. Spray-irrigated Area - i.e., Sod/Seed		÷ 43,560 =	Acres
	SF		x 2.5 AF/Ac =
<b>b. Spray-irrigation Demand</b>			<b>AF</b>
c. *Drip-irrigated Area – i.e., mulched beds		÷ 43,560 =	Acres
	SF		x 1.5 AF/Ac =
<b>d. *Drip-irrigated Demand</b>			<b>AF</b>
e. *Xeriscape-irrigated Area ( <i>not eligible in 2534 Water Bank areas, include in Drip SF</i> )		÷ 43,560 =	Acres
	SF		x 1.0 AF/Ac =
<b>f. *Xeric-irrigated Demand</b>			<b>AF</b>
<b>I. Irrigation Demand (b + d + f)</b>			<b>AF</b>

*\*Some non-potable systems are not able to accommodate a demand difference and require all landscape areas at a 2.5 AF/ac rate. If non-potable water is used, check with individual system administrator.*

**II. Residential – Single Family Detached (a-c) & Single Family Attached/Townhome/Multifamily (d-f)**

a. Total # SFD Lots	Lots	---	---	---
b. Ave Irrigated SF/Lot	SF/Lot	Total SF	÷ 43,560 =	Acres
				X 2.5 ac-ft/ac
<b>c. Irrigation Demand</b>				<b>AF</b>
d. Total # SFA/TH/MF Units	Units			
e. Ave Irrigated SF/Unit	SF/Unit	Total SF	÷ 43,560 =	Acres
				X 2.5 ac-ft/ac
<b>f. Irrigation Demand</b>				<b>AF</b>
<b>II. Irrigation Demand (c + f)</b>				<b>AF</b>

**III. TOTAL Irrigation Demand: I + II = \_\_\_\_\_ AF**

**IV. Indoor Use**

Land Use	# Units / Lots / SF	Municipal Code Rates	Annual Requirement (AF)
<input type="checkbox"/> Single Family Detached	Lots	x 0.33 AF/Lot	AF
<input type="checkbox"/> Single Family Attached / TH / Multifamily	Units	x 0.29 AF/Unit	AF
<input type="checkbox"/> General Commercial	SF	x 0.10 GPD/SF x 0.00112 =	AF
<input type="checkbox"/> General Office	SF	x 0.16 GPD/SF x 0.00112 =	AF
<input type="checkbox"/> Light Industrial / Flex	SF	x 0.06 GPD/SF x 0.00112 =	AF
<input type="checkbox"/> Other (describe*):	SF	<i>*Attach detailed explanation of proposed AF calculation</i>	AF
<b>Total Indoor Use (a + b + c + d + e + f)</b>		---	<b>AF</b>

**ANNUAL WATER USE**

	Demand	Factor	Consumptive Use
Total Irrigation Use (from III.)	AF	x 0.85 =	AF
Total Indoor Use (from IV.)	AF	x 0.05 =	AF
<b>TOTAL Annual Water Use</b>	AF	---	<b>AF</b>