



**Pagosa Area Water and Sanitation District**  
 100 Lyn Ave. / P.O. Drawer 4610, Pagosa Springs, CO 81157  
 PHONE: (970) 731-2691 FAX: (970) 731-2693

Location Number: \_\_\_\_\_  
 Account Number: \_\_\_\_\_  
 Permit Number: \_\_\_\_\_

**2017 RESIDENTIAL SINGLE-FAMILY WATER METER SIZING WORKSHEET**

Date: \_\_\_\_\_

Name of Property Owner: \_\_\_\_\_ Contact Person Phone #: \_\_\_\_\_

Name of Contact Person: \_\_\_\_\_ Home: \_\_\_\_\_  
 Cell: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Property Location

Street Address: \_\_\_\_\_

Subdivision: \_\_\_\_\_ Block: \_\_\_\_\_ Lot: \_\_\_\_\_

Type of Fixture	Fixtures Added	+	Fixtures in Existing Structure	-	Fixtures Removed if Applicable	=	Total Fixtures	x	Fixture Unit Multiplier (choose ONE per row)		=	Total Fixture Unit Value
									Single Family 1 - 2 Dwellings			
Bar Sink		+		-		=		x	1.0		=	
Bathub or combination bath/shower		+		-		=		x	1.5		=	
Bathroom sink, each set of faucets		+		-		=		x	1.0		=	
Bidet		+		-		=		x	1.0		=	
Clothes Washer, domestic		+		-		=		x	1.5		=	
Dishwasher, domestic		+		-		=		x	1.5		=	
Hose bibb - FIRST		+		-		=		x	2.5		=	
Hose bibb, EACH ADDITIONAL		+		-		=		x	1.0		=	
Kitchen sink, domestic		+		-		=		x	1.5		=	
Laundry sink		+		-		=		x	2.0		=	
Lawn sprinkler, each full head		+		-		=		x	1.0		=	
Shower		+		-		=		x	1.5		=	
Toilet, 1.6 GPF gravity tank		+		-		=		x	2.5		=	
Toilet, 3.5 GPF gravity tank		+		-		=		x	3.0		=	
Whirlpool bath / combination bath/shr		+		-		=		x	4.0		=	
Other (Describe)												
Other (Describe)		+		-		=		x			=	
For explanations, see 1997 Uniform Plumbing Code and 2006 International Plumbing Code											Fixture Unit Subtotal:	

**Other Water Requirements:** See Table E103.3(3)

Fixture Description: \_\_\_\_\_ GPM: \_\_\_\_\_ Number: \_\_\_\_\_ Calculated Fixture Units: \_\_\_\_\_  
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**Total Fixture Units:** \_\_\_\_\_

I affirm that the information given is correct. I acknowledge that the approval given for minimum meter size and maximum water capacity is based solely on the information provided above, and that such determination is at the discretion of the Pagosa Area Water and Sanitation District. Any deviation under construction will require resubmission of corrected data for determination of adequacy of meter size.

Signature (Owner / Agent) \_\_\_\_\_ Date Signed \_\_\_\_\_

Location Number: \_\_\_\_\_

Account Number: \_\_\_\_\_

Permit Number: \_\_\_\_\_

### Instructions for the completion of the PAWSD Residential Single-Family Water Meter Sizing Worksheet

#### Matrix to Determine Meter Size and Water Demand

Complete the columns of the matrix by supplying the quantity and type of fixtures being added, remaining, and/or removed. (Note: Relocated fixtures are considered "remaining" since there is no change in demand.) Accuracy of the fixture count is necessary to determine the appropriate meter size and Equivalent Units.

#### Fixtures in New Structure

In the "Fixtures in New Structure" column, list the number of new fixtures or the number of fixtures being added to an existing project under the appropriate fixture type.

#### Fixtures in Existing Structure

In the "Fixtures in Existing Structure" column, list the number of fixtures that will remain or that will be relocated during the construction phase of the project.

#### Fixtures Removed

In the "Fixtures Removed" column, list the number of fixtures that are actually being removed which will create a reduction in the water demand. Note: Replacing a sink with a new sink or a hose bibb with a new hose bibb, etc, does not constitute "Removed." They are considered as "Fixtures in Existing Structure" (unless replacement is by fixtures of lower-flow capacity).

#### Other Water Requirements

There are some process water demands that are not listed, such as car washes. Each of these will be assigned a fixture unit count based upon its GPM demand. Make sure this information is provided.

#### Fixture Unit Multiplier

Each plumbing fixture is given a fixture unit value based upon the 1997 Uniform Plumbing Code. Fixture units are used for water meter sizing purposes. The unit count for each fixture is determined by multiplying the number of each fixture type by the appropriate number in the multiplier column. Only ONE multiplier should be chosen per row.

**GENERAL USE:** Applies to business, commercial, industrial, and assembly occupancies other than those defined under "Heavy Use." Included are the public and common areas in hotels, restaurants, and multi-dwelling buildings.

**HEAVY USE:** Applies to toilet facilities in occupancies that place a heavy, but intermittent, time-based demand on water supply system, such as schools, auditoriums, stadiums, race courses, theaters, and similar occupancies where queuing is likely to occur during periods of peak use.

#### Lawn Sprinkler Heads

Add all 1/4, 1/2, 3/4, and full irrigation heads to determine the total number of full sprinkler heads. For example, two 1/4 heads and one 1/2 head will equal one full head.

#### GPM (Gallons per Minute)

When any water requirement is listed by GPM demand, fixture unit count will be determined by using the 2006 Uniform Plumbing Code Table E103.3(3) - Table For Estimating Demand.

### RESIDENTIAL SINGLE-FAMILY ACCOUNTS - TO BE COMPLETED BY PAWSD STAFF

### 2017 PAGOSA AREA WATER & SANITATION DISTRICT FEES

Residential Required Service Size and Equivalent Units Chart			
Fixture Unit Count	Meter Size	# Equivalent Units*	GPM**
0-30	1"	1	50
30.5-52	1"	1	50
52.5-127	1"	1	50
128-375	1.5"	5	100
376-700	2"	8	180
701-1950	3"	16	320
1951-3700	4"	25	500
3,701-8,200	6"	50	1,000

\*EU designation set forth by '97 Uniform & '06 International Plumbing Code.

\*\*With approximate flow of 60 psi at meter

Monthly Basic Service Assessment			
Meter Size	EU	Water	Water/Wastewater
1"	1	\$23.50	\$55.50
1"	1	\$23.50	\$55.50
1"	1	\$23.50	\$55.50
1.5"	5	\$117.50	\$277.50
2"	8	\$188.00	\$444.00
3"	16	\$376.00	\$888.00
4"	25	\$587.50	\$1,387.50
6"	50	\$1,175.00	\$2,775.00

Fixture Count Total (from pg.1): \_\_\_\_\_

Corresponding Meter Size: \_\_\_\_\_

Acct Current Meter Size: \_\_\_\_\_

Corresponding EU: \_\_\_\_\_

Acct Current EU: \_\_\_\_\_

Water CIF: \$2,658 per EU \_\_\_\_\_

Wastewater CIF: \$1,017 per EU \_\_\_\_\_

Raw Water Acquisition Fee: \$1,959 per EU \_\_\_\_\_

#### NOTES / COMMENTS:

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Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_

PLEASE NOTE: FEE SCHEDULES ARE SUBJECT TO CHANGE