

Location Number: _____

Account Number: _____

Permit Number: _____



Pagosa Area Water and Sanitation District
100 Lyn Ave. / Pagosa Springs, CO 81147
PHONE: (970) 731-2691

2026 MULTI-DWELLING WATER METER SIZING WORKSHEET

Date: _____

Name of Property Owner: _____

Name of Contact Person: _____

Name of Business (if applicable): _____

Property Location

Street Address: _____

Subdivision: _____

Block: _____

Lot: _____

EACH Type of Fixture	Number of Fixtures in 1st Unit or Bldg	Number of Fixtures in 2nd Unit or Bldg			Number of Fixtures in 3rd Unit or Bldg	=	Total Fixtures	x	*Fixture Unit Multiplier	=	Total Fixture Unit Value
		+	+	+							
Bathub / shower or Combo		+		+		=		x	1.4		
Bathroom sink, each set of faucets		+		+		=		x	0.7		
Toilet		+		+		=		x	2.2		
Bidet		+		+		=		x	2.0		
Washing Machine (8 lb) Private		+		+		=		x	1.4		
Washing Machine (8 lb) Public		+		+		=		x	3.0		
Washing Machine (15 lb)		+		+		=		x	4.0		
Laundry / Service Sink or Mop Basin **		+		+		=		x	1.5		
Wet Bar or Hand Sink**		+		+		=		x	1.0		
Dishwasher, domestic		+		+		=		x	1.4		
Kitchen sink, domestic		+		+		=		x	1.4		
Hose bibb - FIRST**		+		+		=		x	2.5		
Hose bibb, EACH ADDITIONAL**		+		+		=		x	1.0		
Lawn sprinkler, each full head**		+		+		=		x	1.0		
Other (Describe)		+		+		=		x			
Other (Describe)		+		+		=		x			

* Based on 2015 International Plumbing Code; **2006 Universal Plumbing Code

FUY Subtotal: _____

Other Water Requirements:

See Table E103.3(3)

Fixture Description: _____	GPM: _____	Number: _____	Calculated Fixture Units: _____
Fixture Description: _____	GPM: _____	Number: _____	Calculated Fixture Units: _____
Fixture Description: _____	GPM: _____	Number: _____	Calculated Fixture Units: _____
FUY Total: _____			

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 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: _____

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Instructions for completion of the PAWSO Commercial & Multi-Dwelling 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. Accuracy of the fixture count is necessary to determine the appropriate meter size and Equivalent Units.

Commercial Use

Applies to business, commercial, industrial, and assembly occupancies. Included are the public and common areas in hotels, restaurants, schools, churches, etc.

Multi-Dwelling Use

May apply to duplex, apartments, condos, townhomes, etc.

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.

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 2015 International Plumbing Code Table E103.3(3) - Table For Estimating Demand.

Apartment Buildings

For Multiple Apartment Buildings, one Meter Sizing Worksheet will need to be filled out per building even if it is to be Master Metered.

2026 MULTI-FAMILY ACCOUNTS -TO BE COMPLETED BY PAWSO STAFF

Required Service Size and Equivalent Units Chart			
Fixture Unit Count	Meter Size	* # Equivalent Units	** GPM
0-30.4	3/4"	1	50
30.5-52	1"	1.5	50
52.5-127	1"	2.5	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 PlumbingCode.

**With approximate flow of 60 psi at meter

NOTES / COMMENTS:

Fixture Count Total (from pg.1): _____

Corresponding Meter Size: _____

Acct Current Meter Size: _____

Corresponding EU: _____

Acct Current EU: _____

Prepared By: _____ Date: _____

Location Number: _____

Account Number: _____

Permit Number: _____

Appendix E

Table E103.3(3)
Table for Estimating Demand
Supply Systems Predominantly for Flush Tanks

Gal per Minute	Water Supply Fixture Units	Cubic ft per Minutes
3.0	1	0.041040
5.0	2	0.06840
6.5	3	0.086892
8.0	4	0.106944
9.4	5	0.126592
10.7	6	0.14303760
11.8	7	0.1577424
12.8	8	0.1711104
13.7	9	0.1831416
14.6	10	0.1951728
15.4	11	0.2058672
16.0	12	0.2138880
16.5	13	0.2205720
17.0	14	0.2272560
17.5	15	0.2339400
18.0	16	0.2406240
18.4	17	0.2459712
18.8	18	0.2513184
19.2	19	0.2566656
19.6	20	0.2620128
21.5	25	0.2874120
23.3	30	0.3114744
24.9	35	0.3328632
26.3	40	0.3515784
27.7	45	0.3702936
29.1	50	0.3890088

Gal per Minute	Water Supply Fixture Units	Cubic ft per Minutes
32.0	60	4.277760
35.0	70	4.678800
38.0	80	5.079840
41.0	90	5.480880
43.5	100	5.815080
48.0	120	6.416640
52.5	140	7.018200
57.0	160	7.619760
61.0	180	8.154480
65.0	200	8.689200
70.0	225	9.357600
75.0	250	10.02600
80.0	275	10.69440
85.0	300	11.362800
105.0	400	14.03640
124.0	500	16.57632
170.0	750	22.72560
208.0	1,000	27.80544
239.0	1,250	31.94952
269.0	1,500	35.95992
297.0	1,750	39.70296
325.0	2,000	43.44600
380.0	2,500	50.79840
433.0	3,000	57.88344
525.0	4,000	70.18200
593.0	5,000	79.27224