

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

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

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



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

**2024 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 - <b>FIRST**</b>		+		+		=		x	2.5		=	
Hose bibb, <b>EACH ADDITIONAL**</b>		+		+		=		x	1.0		=	
Lawn sprinkler, each full head**		+		+		=		x	1.0		=	
Other (Describe)		+		+		=		x			=	
Other (Describe)		+		+		=		x			=	
<b>FUY Subtotal :</b>												

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

**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:** \_\_\_\_\_

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### **Instructions for completion of the PAWSD 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.

#### **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.

#### **Commercial Use**

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

#### **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.

#### **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.

### **2023 MULTI-DWELLING ACCOUNTS**

**This section to be completed by PAWSD staff.**

<b>Fixture Unit Count &amp; Meter Size</b>		
<b>Fixture Unit Count</b>	<b>Meter Size</b>	<b>**GPM</b>
0-30	3/4"	50
30.5-52	1"	50
52.5-127	1"	50
128-375	1.5"	100
376-700	2"	180
701-1950	3"	320
1951-3700	4"	500
3,701-8,200	6"	1,000

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

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

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

\*\*\*Includes 2,000 gl/EU in base rate.

#### **NOTES / COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Prepared By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**PLEASE NOTE: FEE SCHEDULES ARE SUBJECT TO CHANGE**

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**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	0.86892
8.0	4	1.06944
9.4	5	1.26592
10.7	6	1.4303760
11.8	7	1.577424
12.8	8	1.711104
13.7	9	1.831416
14.6	10	1.951728
15.4	11	2.058672
16.0	12	2.138880
16.5	13	2.205720
17.0	14	2.272560
17.5	15	2.339400
18.0	16	2.906240
18.4	17	2.459712
18.8	18	2.513184
19.2	19	2.566656
19.6	20	2.620128
21.5	25	2.874120
23.3	30	3.114744
24.9	35	3.328632
26.3	40	3.515784
27.7	45	3.702936
29.1	50	3.890088

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