2023 PSAR Guide: Part A Line 6 Functional Population

Southwest Florida Water Management District

Overview

- What is Functional Population?
- How to Properly Calculate Functional Population
- How to Use the 2023 REQPOP Calculator
- How to Use the 2023 REQPOP Calculator Master Meters
- How to Use the 2023 REQPOP Calculator Master Meters Example



What is Functional Population?

Functional Population is the served permanent population as adjusted by the seasonal residents, tourist, group quarters, and net commuter population within a utility service area.

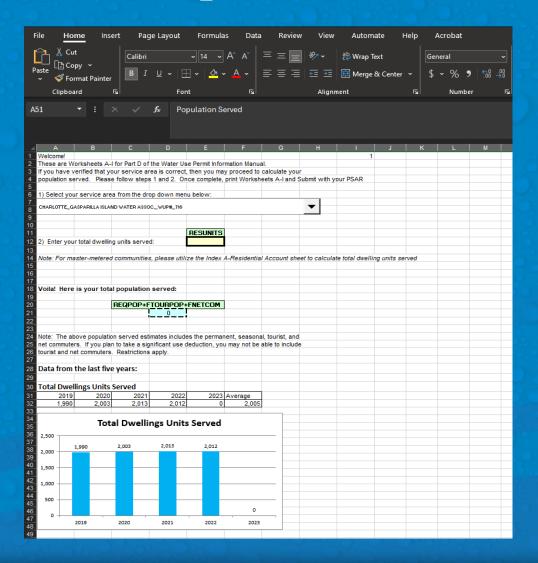
This value is not simply the number of residents who live within a utility service area year-round. Functional population considers all types of residents (permanent, seasonal, tourist, etc.) to get an accurate picture of per capita water usage throughout the year.



How to Properly Calculate Functional Population

To ensure that Part A Line 6 Functional Population is properly calculated, use the 2023 REQPOP Calculator. The calculator can be found on the <u>Section D, Public</u> <u>Supply Annual Reports and Significant Use</u> webpage in the PSAR Resources box.

It's important to use the 2023 REQPOP Calculator, not a calculator from a previous year. REQPOP Calculators are updated yearly with population variables, so using an older calculator will yield an incorrect value.





How to Use the 2023 REQPOP Calculator

Select your service area
 from the dropdown menu.
 The menu is organized by
 county then WUP Number.



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A51 ▼ : × ✓ f _* Population Served	
	CHARLOTTE_GASPARILLA ISLAND WATER ASSOCWUP#_718
A B C D E F G H I I	CHARLOTTE_GASPARILLA ISLAND WATER ASSOCWUP#_718
2 These are Worksheets A-I for Part D of the Water Use Permit Information Manual.	CHARLOTTE_CITY OF PUNTA GORDA UTILITY DEPT_WUP#_871
If you have verified that your service area is correct, then you may proceed to calculate your population served. Please follow steps 1 and 2. Once complete, print Worksheets A-I and Submit withour PSAR	CHARLOTTE_CHARLOTTE HARBOR WATER ASSOCWUP#_1512 CHARLOTTE_CHARLOTTE COUNTY UTILITIES_WUP#_3522
6 1) Select your service area from the drop down menu below:	CHARLOTTE_CHARLOTTE COUNTY UTILITIES_WUP#_7104
7 8 CHARLOTTE_GASPARILLA ISLAND WATER ASSOC_WUP#_T18	CHARLOTTE_ISLAND HARBOR BCH CLUB LTD & CHAR_WUP#_7768 CHARLOTTE_HOMEOWNERS OF ALLIGATOR PARK_WUP#_8626
9	CHARLOTTE_FLOREOWNERS OF ALLIGATOR PARA_WOF#_0020 CHARLOTTE_EL JOBEAN WATER ASSOCWUP#_99913
11 RESUNITS 12 2) Enter your total dwelling units served:	CHARLOTTE_RIVERWOOD DEVELOPMENT_WUP#_99916
13	CITRUS_CITY OF CRYSTAL RIVER_WUP#_207
14 Note: For master-metered communities, please utilize the Index A-Residential Account sheet to calculate total dwelling	CITRUS_CITY OF INVERNESS_WUP#_419
16	CITRUS_CITRUS COUNTY UTILITIES_WUP#_T29 CITRUS_FLORAL CITY WATER ASSOCIATION_WUP#_1118
18 Voila! Here is your total population served:	CITRUS_ROYAL OAKS OF CITRUS HOA_WUP#_1345
19 20 REQPOP+FTOURPOP+FNETCOM	CITRUS_CITRUS COUNTY UTILITIES_WUP#_2842
21 0 0	
23 24 Note: The above population served estimates includes the permanent, seasonal, tourist, and	
25 net commuters. If you plan to take a significant use deduction, you may not be able to include 26 tourist and net commuters. Restrictions apply.	
27	
28 Data from the last five years: 29	
30 Total Dwellings Units Served	
31 2019 2020 2021 2022 2023 Average 32 1.990 2.003 2.013 2.012 0 2.005	
32 1.990 2.003 2.013 2.012 0 2.005 33	
35 Total Dwellings Units Served	
37	
38 2,000 1,990 2,003 2,013 2,012 1	
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46	
47 0 2019 2020 2021 2022 2023	· 명 · · · · · · · · · · · · · · · · · ·
49	

How to Use the 2023 REQPOP Calculator (Continued)

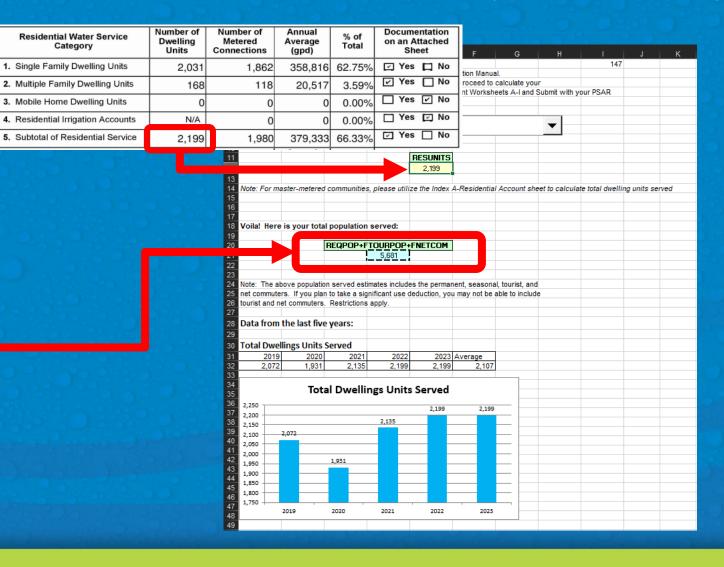
2. Enter the value from Part B Line 5 Subtotal of Residential Service, Number of Dwelling Units served from your PSAR under RESUNITS.

(If residential dwelling units in your service area use a master meter, please see the next slides.)

3. That's it! Functional Population willauto-populate. Enter this value on Line6 of your PSAR, Part A.

Southwest Florida

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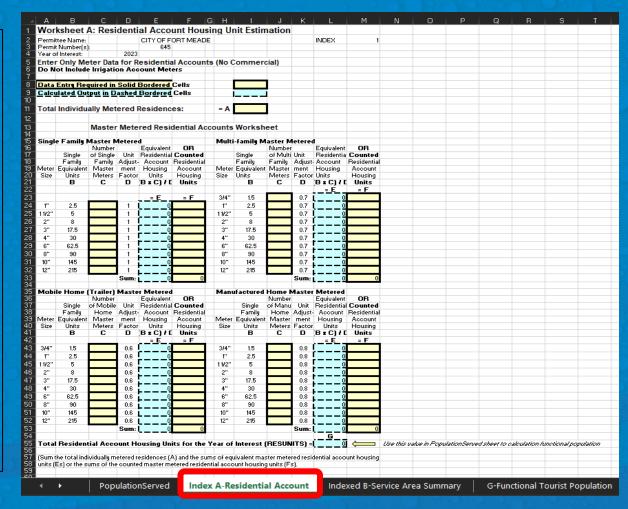


How to Use the 2023 REQPOP Calculator - Master Meters

To calculate residential accounts that are master metered, go to the Index A-Residential Accounts tab of the REQPOP Calculator.

This tab, Worksheet A: Residential Account Housing Unit Estimation, allows you to estimate the number of residential units if the exact number is unknown and to demonstrate how many residential account housing units are in each meter size category.

The worksheet is divided into 4 categories of master metered residential accounts: Single Family, Multi-Family, Mobile Home (Trailer), and Manufactured Home.

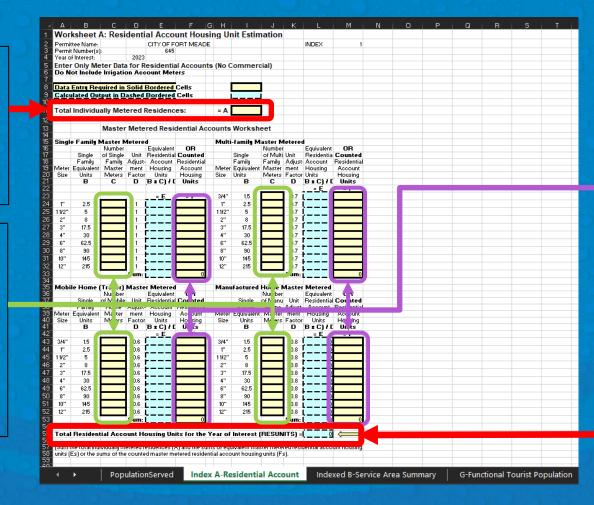




How to Use the 2023 REQPOP Calculator - Master Meters (Continued)

 Start by entering A - the total number of known individual metered residences.

2A. If the exact number of Master Metered Residential Account Housing Units is **unknown** in any of the 4 categories, use the C columns for those categories.



2B. If the exact number of Master Metered Residential Account Housing Units is **known** for any of the 4 categories, use the F columns for those categories.

3. The worksheet ends with G – your autocalculated estimated RESUNITS value.



How to Use the 2023 REQPOP Calculator - Master Meters Example

 In = A, Enter the total number of known individual metered residences.

2A. In the C columns, enter the number of Master Meters for each meter size. The adjacent blue columns will auto-calculate with an estimated number of residential housing units.

2B. In the F columns, enter the number of residential housing units for each meter size (if known).

.4	A	В	l c	C	D	E	F	G	н		J	K	L	М
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12 13			Ma	ster	Mete	red Resi	dential A	cc	ounts	Worksh	eet			
14														
15 16	Single	Family Mas		Mete nber	red	Controlant	OR		Multi-	family Mas	Numbe		Contratest	OR
17		Single	of Si		Unit	Equivalent	Counted			Single	of Mult		Equivalent Residential	Counted
18		Family		mily	Adjust-	Account	Residential			Family	Family		Account	Residentia
19	Meter	Equivalent		ster	ment	Housing	Account		Meter	Equivalent	Master		Housing	Account
20	Size	Units		ters	Factor	Units	Housing		Size	Units	Meters		Units	Housing
21	3126	B		C	D	(B x C) / D	Units		3126	B	C	D	(B x C) / D	Units
22						(DXC)/D	Units				C.		=E	Units
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23	1"	2.5		_			- 1		1"	2.5	13	4 0.7		
					1	⊢Ľ							14.28571	
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26	2"	8			1				2"	8		0.7		
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22					1				4"	30		0.7	i	
29	6"	62.5			1	6			6"	62.5		0.7	i	
30	8"	90			1				8"	90		0.7	1	
31	10"	145			1				10"	145		0.7		
32	12"	215			1				12"	215	-	0.7		
33	12	215							12	215			1	
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38		Family	Hc		Adjust-	Account	Residential			Family	Hore			Residentia
39	Meter	Equivalent		ter	ment	Housing	Account		Meter	Equivalent			Housing	Account
40	Size	Units	Me		Factor	Units	Housing		Size	Units	Met			Housing
41	0.20	B		7	D	(B x C) / D	Units		0.20	B		D	(B x C) / D	Units
42		_		-	-	= E	-			_		-	= E	
43	3/4"	1.5			0.6				3/4"	1.5		0.8	1	
44	1"	2.5			0.6				1"	2.5		0.8		
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47	3"	17.5			0.6	L ?			3"	17.5		0.8	!	
48	4"	30			0.6	0			4"	30		0.8		
49	6"	62.5			0.6				6"	62.5		0.8		
50	8"	90			0.6				8"	90		0.8		
51	10"	145			0.6	5			10"	145		0.8	i	
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ວ 5	T - 4 - 1 -					11-14- K- 11				C CUMIT C'	<u> </u>		<u>G</u> 2,135	
	Total F	Residential	ACCO	unti	rousing	units for th	rear of li	nte	erest (H	(E SUNITS) =	6		2,135	

3. In =G, the totals from each of the 4 categories will autocalculate. This is your estimated RESUNITS value.

4. Go back to the first tab and enter this value into the RESUNITS cell to calculate your Functional Population.

				RESUNITS									
	Enter your total dw	elling units	2,135										
	Note: For master-metered communities, please utilize the Index A-Residenti												
-													
	Voila! Here is your t	Voila! Here is your total population served:											
-	REQPOP+FTOURPOP+FNETCOM												
			5,893										

