

ORDINANCE NO. 2023-20

AN ORDINANCE TO AMEND SECTION 9-1-56 (g) OF THE CODE OF ORDINANCES FOR THE VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN, RELATING TO THE REU CHARGE

The Village Board of the Village of Caledonia, Racine County, Wisconsin do ordain as follows:

That Section 9-1-56 (g) of the Code of Ordinances for the Village of Caledonia be, and is hereby amended to read as follows:

“

(g) **Fee Schedule.** The Water Impact Fee is adopted in the following amount: \$1,550.00 per standard residential equivalent unit (“REU”).

- (1) A 3/4-inch (or less) water meter is determined to be the service required for the standard REU. Each single-family residential unit, whether located within a one-family, multi-family, condominium, cooperative, rental or owner-occupied building, shall constitute one such REU.
- (2) Non-residential buildings shall be assigned a number of REU’s based on the size and type of water meter(s) that are installed in the building. The following table sets forth the REUs based on meter sizes:

REU Ratio Based on Meter Size

<u>Meter Size (inches)</u>	<u>Meter Type</u>	<u>Flow (gpm)</u>	<u>REU Ratio</u>
5/8"	Disc Meter - M25	25	1
5/8"	Ultrasonic	30	1.2
3/4"	Disc Meter - M35	35	1.4
3/4"	Ultrasonic	40	1.6
1"	Disc Meter - M55	55	2.2
1"	Disc Meter - M70	70	2.8
1"	Ultrasonic	62	2.5
1 1/2"	Disc Meter - M120	120	4.8
1 1/2"	Ultrasonic	100	4
2"	Disc Meter - M170	170	6.8
2"	Compound	200	8
2"	Ultrasonic	160	6.4
3"	Compound	450	18
3"	Ultrasonic	560	22.4
4"	Compound	1000	40

4"	Ultrasonic	1100	44
6"	Compound	2000	80
6"	Ultrasonic	2000	80
8"	Compound	4500	180
8"	Ultrasonic	3500	140
10"	Turbine	7000	280
12"	Turbine	8800	352

In some types of non-residential buildings, only water for fire protection is needed. In these cases or similar cases, the Utility District Commission may adjust the number of REUs assigned to that building, if appropriate documentation is provided by the owner. In these cases, the REUs may be calculated by the square feet of building space per meter size, with a standard of one REU equals 2,500 square feet of building space. The method which provides the greatest financial impact to the Utility shall be utilized.

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This Ordinance shall take effect upon adoption and publication as provided by law.

Adopted by the Village Board of the Village of Caledonia, Racine County, Wisconsin, this 12 day of December 2023.

VILLAGE OF CALEDONIA

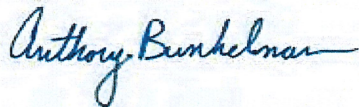
By: Thomas R Weatherston
Thomas Weatherston, President

Attest: Megan O'Brien
Megan O'Brien, Deputy Village Clerk

MEMORANDUM

DATE: Tuesday, August 29, 2023

TO: Caledonia Utility District

FROM: Anthony A. Bunkelman P.E.
Public Services Director 

RE: Water Impact Fee / Sewer Connection Fee – Requested Ordinance change for REU on current meters

BACKGROUND INFORMATION

An analysis was performed on the meter flow rates that are in the Ordinance for the Water Impact Fee and the Sewer Connection Fee. The meters that are available today allow more flow and are more efficient in recording the flow through them.

The Ordinance values are based on a Residential Equivalent Unit or REU. The 3/4" meter used for a single-family home in the Ordinance only allowed 15 gpm. The 5/8" meter installed by the Utility for a single-family home allows 25 gpm. With today's residential meter allowing more flow through it, it is recommended that the REU values for the remaining meters be adjusted according to the new flow.

The attached spreadsheet compares the meters in the Ordinance vs the meters that the Utility District installs. In some situations, the REU value is decreased and, in some situations, the REU value is increased.

This change would not affect the single-family home cost as the research on a potential fee increase is ongoing. The change would affect larger water users (future users with meters 3" and larger).

It is recommended that the Utility District review the changes to the REU based on today's meters, recommend that a change be made to the Ordinance, and direct staff to draft the Ordinance. The Ordinance when completed would be forwarded to the Legislative & Licensing Committee and Village Board for review and approval.

RECOMMENDATION

Move to approve update the REU value, recommend a change to the Village Ordinance, direct staff to draft the Ordinance revision, and forward the draft Ordinance to the Legislative & Licensing Committee and Village Board for approval.

Village Ordinance

Badger Meter

Meter Size	Meter Type	Flow	REU	Meter Size	Meter Type	Flow Min	Flow Max	REU
3/4"	Displacement	15	1.0	5/8"	Disc Meter - M25	0.25	25	1
				5/8"	Ultrasonic	0.04	30	1.2
				3/4"	Disc Meter - M35	0.375	35	1.4
				3/4"	Ultrasonic	0.05	40	1.6
1"	Displacement	25	2.5	1"	Disc Meter - M55	0.5	55	2.2
				1"	Disc Meter - M70	0.75	70	2.8
				1"	Ultrasonic	0.075	62	2.5
1 1/2"	Displacement	50	5.0	1 1/2"	Disc Meter - M120	1.25	120	4.8
				1 1/2"	Turbine	2.5	200	8
				1 1/2"	Ultrasonic	0.4	100	4
2"	Displacement	80	8.0	2"	Disc Meter - M170	1.5	170	6.8
				2"	Compound	0.25	200	8
				2"	Turbine Cl. 1	2.5	310	12.4
				2"	Turbine Cl. 2	0.5	160	6.4
3"	Compound	160	16.0	3"	Compound	0.25	450	18
				3"	Turbine Cl. 1	4	550	22
				3"	Turbine Cl. 2	0.37	560	22.4
4"	Compound	250	25.0	4"	Compound	0.375	1000	40
				4"	Turbine Cl. 1	6	1250	50
				4"	Turbine Cl. 2	0.75	1100	44
6"	Compound	500	50.0	6"	Compound	0.375	2000	80
				6"	Turbine Cl. 1	12	2500	100
				6"	Turbine Cl. 1	1.1	2000	80
8"	Compound	800	80.0	8"	Compound	1.25	4500	180
				8"	Turbine Cl. 1	20	4500	180
				8"	Turbine Cl. 1	2	3500	140
10"	Compound	1150	115.0	10"	Turbine	30	7000	280
				10"	Turbine Cl. 1			
				10"	Turbine Cl. 1			
12"	Turbine Cl. 1	2150	215.0	12"	Turbine	65	8800	352
				12"	Turbine Cl. 1			