

**Columbine Country Club
Calculation of Columbine Valley Homeowner's Irrigation Charge
2017 and 2018**

[This worksheet references paragraphs 8 (c) and (d) of the "Water Supply Agreement" between Columbine Country Club and Columbine Valley Homeowners' Association]

Prior Year 2017

1. Research the Bureau of Labor Statistics for the relevant CPI numbers, as stated in the Agreement.

2015 First Half CPI	238.086	" X "
2016 First Half CPI	245.191	" Y "

2. Find the prior year's charge per homeowner

2016 Charge	\$819.56
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2. Enter the appropriate values in the following equation:

formula $((((Y - X) / X) * 2/3) + 1.00) * \text{Previous Year Charge} =$
 $((((245.191 - 238.086) / 238.086) * 2/3) + 1) * 819.56$ \$835.86

3. The resulting number, \$819.56, is the 2016 charge, subject to below.
4. Compare the resulting number from above to the prior year's amount of \$814.15 to insure that it is not either higher or lower than 2% of the prior year's amount.

2% higher	814.1451 would be	\$835.95
2% lower than	814.1451 would be	\$803.17

5. The charge per homeowner for 2017 is **\$835.86**

Usage Year 2018

1. Research the Bureau of Labor Statistics for the relevant CPI numbers, as stated in the Agreement.

2016 First Half CPI	245.191	" X "
2017 First Half CPI	252.76	" Y "

2. Find the prior year's charge per homeowner

2017 Charge	\$835.86
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2. Enter the appropriate values in the following equation:

formula $((((Y - X) / X) * 2/3) + 1.00) * \text{Previous Year Charge} =$
 $((((252.76 - 245.191) / 245.191) * 2/3) + 1) * 835.86$ \$853.07

3. The resulting number, \$835.86, is the 2017 charge, subject to below.
4. Compare the resulting number from above to the prior year's amount of \$835.86 to insure that it is not either higher or lower than 2% of the prior year's amount.

2% higher than	\$835.86 would be	\$852.58
2% lower than	\$835.86 would be	\$819.15

5. The charge per homeowner for 2018 is **\$852.58**