

TABLE 17 – WATERLOO/CEDAR FALLS, IOWA MSA
 (319) 232-1156 email: info@cedarvalleyalliance.com

UTILITIES

City of Cedar Falls

Water & Sewer

Water Availability

Major Source	Eight groundwater wells, depths of 147' to 275'
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% of Population Increase Served from the Source	N/A
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Water Treatment

Name of Provider	Cedar Falls Utilities
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Rated Capacity (mgd)	32 million gallons/day
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Average Daily Demand (mgd)	4.30 million gallons/day
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Peak Demand (mgd)	8.70 million gallons/day
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Chemical Breakdown of Water	(see following table)
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2008 DRINKING WATER QUALITY REPORT

SUBSTANCE	VIOLATION YES/NO	HIGHEST LEVEL ALLOWED (MCL)	HIGHEST DETECTED LEVEL	UTILITY RANGE	EPA MCLG (EPA GOAL)	SOURCES OF CONTAMINANT
MICROBIOLOGICAL CONTAMINANTS						
Total Coliform (positive)	No	5%	2.3%(1)	0-2.3%	0%	Naturally present in the environment.
INORGANIC CHEMICALS						
Arsenic ($\mu\text{g/L}$)	No	10	1.44	<1.0-1.44	N/A	Erosion of natural deposits; runoff from orchards.
Barium (mg/L)	No	2	0.177	0.073-0.177	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (mg/L)	No	4	1.22	0.59-1.22	4	Additive to promote strong teeth; discharge from fertilizer and aluminum factories; (A).
Nitrate (as N) (mg/L)	No	10	8.8	<1.0-8.8	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Sodium (mg/L)	No	N/A	21.8	6.42-21.8	N/A	Erosion of natural deposits.
Sulfate (mg/L)	No	N/A	45.3	10.4-45.3	N/A	Erosion of natural deposits.
ORGANIC CONTAMINANTS						
Di(2-ethylhexyl)phthalate (2005) ($\mu\text{g/L}$)	No(2)	6	0.9(3)	ND-0.9	0	Discharge from rubber and chemical factories.
Tetrachloroethylene ($\mu\text{g/L}$)	No	5	2.4(3)	ND-2.4	0	Discharge from factories.
DISINFECTION BYPRODUCTS						
Total Trihalomethane ($\mu\text{g/L}$)	No	80	7.1	<2-7.1	N/A	Byproduct of drinking water disinfection.
DISINFECTANTS						
Chlorine (mg/L)	No	4	0.86 average	0.75-1.02	4 MRDLG	Water additive to control microbes.
SUBSTANCE VIOLATION YES/NO ACTION LEVEL MAXIMUM 90% DETECTION UTILITY SAMPLES EPA MCLG (EPA GOAL) SOURCES OF CONTAMINANT						
COPPER AND LEAD - Regulated at Customer Tap						
Copper (mg/l)	No	1.3	0.474	0.053-0.884	1.3	Corrosion of Home Plumbing; (A)
Lead ($\mu\text{g/L}$)	No	15	<4	<4-15.3	0	Corrosion of Home Plumbing; (A)

(1) One positive sample in October 2008; follow-up samples detected no coliform. (2) Public Notice Monitoring Violation of the Water Testing Schedule - Cedar Falls Municipal Water Utility violated a drinking water standard in the fourth quarter of 2008, when we failed to monitor for Di(2-ethylhexyl) Phthalate at two wells. Adverse health effects, if any, are not known. Tests for Di(2-ethylhexyl) Phthalate were taken in January, 2009 at both locations and results showed the contaminant level was below the lowest concentration reliably measured. Monitoring procedures have been corrected to avoid future violations. For more information, please contact Jerald Lukenmeyer, 319 268-5330 or jlukenmeyer@cfunet.net. (3) Detected in 1 of 8 wells (A): May also come from erosion of natural deposits. **NOTE:** The EPA requires monitoring of over 80 drinking water contaminants. Those listed above are the only contaminants detected in your drinking water. For a complete list, contact Cedar Falls Utilities.

Source: Cedar Falls Utilities, Consumer Confidence Report, June 2009

Monthly Rate – Per Gallon

First 7,480 gal	\$.0023/gallon
Next 291,720 gal	\$.0013/gallon
Over 299,200 gal	\$.00074/gallon

Monthly Rate – Per CCF

First 10 CCF	\$1.75/CCF
Next 390 CCF	\$1.00/CCF

Over 400 CCF	\$0.55/CCF
Water Connection Fee	Variable, fee varies dependent on location and distance to an existing water main.
Service Charge	(see chart below)
SCHEDULE OF MONTHLY BASIC SERVICE CHARGES	
Meter Size Basic Service Charge	
Customer Owned	\$7.90
5/8-inch	\$7.90
3/4-inch	\$7.90
1-inch	\$8.50
1 1/2-inch	\$11.00
2-inch	\$13.00
3-inch	\$15.00
4-inch	\$18.00
6-inch	\$32.00
8-inch	\$51.00
<small>Source (for all Water Rates): Cedar Falls Utilities, Effective January 1, 2009</small>	
Sewer Treatment	
Name of Provider	City of Cedar Falls
Type of Service	Tertiary
Rated Capacity (mgd)	7.68 million gallons/day
Average Daily Demand (mgd)	4.5 million gallons/day
Peak Demand (mgd)	21.6 million gallons/day
Monthly Rate – Cost per 1,000 Gallons	\$2.17 (Sewer rental fee, \$13.05; includes first 1,500 gallons)
Sewer Connection Fee	None
Electric Power	
Name of Provider	Cedar Falls Utilities
Communities Served	City of Cedar Falls
Provider: Net Importer or Exporter of Power	Exporter
% of Reserve Margin Including Generation & Net Purchases	30%
Name of Power Pool Membership	MAPP
State Electric Power Deregulated	No

Average Cost per kWh* (Residential Rates – August 2008)	*Please call (800) 369-0513 for Commercial & Industrial Rates
First 800 kWh	\$.07/kWh
All over 800 kWh (Winter)	\$.054/kWh
All over 800 kWh (Summer)	\$.07/kWh
Service Charge	\$6.43/month
Natural Gas	
Name of Provider	Cedar Falls Utilities
Average Cost for Industrial Users (\$ per mcf)	\$8.75
Firm Contract Rates	Variable, dependent on when customer chooses to purchase gas.
Interruptible Service Rates	CFU does not offer interruptible gas rates.
City of Waterloo	
Water & Sewer	
Water Availability	
Major Source	Fourteen groundwater wells, depths of 76' to 225'
% of Population Increase Served from the Source	N/A
Water Treatment	
Name of Provider	City of Waterloo – Waterloo Water Works
Rated Capacity (mgd)	50.4 million gallons/day
Average Daily Demand (mgd)	13.4 million gallons/day
Peak Demand (mgd)	28.8 million gallons/day
Chemical Breakdown of Water	(see following table)

The following table shows the results of water quality monitoring from Jan. 1 2008 to Dec. 31 2008, however, some of the data, though representative of the water quality, is more than a year old. The data presented in the report is from the most recent testing done in accordance with EPA regulations.

All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk. The data in the accompanying tables are from water samples that have been analyzed by laboratories which are certified by the Iowa Department of Natural Resources.

WATERLOO WATER WORKS 2008 WATER ANALYSIS

ANALYTE	MCLG	MCL	AVERAGE VALUE	SAMPLE DATE	VIOLATION	LIKELY SOURCE OF ANALYTE
REGULATED AT THE WELL						
Nitrate (as Nitrogen) *	10 ppm	10 ppm	Ave. 5.6 ppm Range <1 to 9.5	MONTHLY	NO	Runoff from fertilizer use, leaching from septic systems, sewage erosion of natural deposits.
Fluoride	4 ppm	4 ppm	Ave. 1.0 ppm Range 0.8 to 1.1	DAILY	NO	Erosion of natural deposits. Water additive which promotes strong teeth.
Barium	2 ppm	AL=2 ppm	Ave. 0.15 ppm Range 0.04 to 0.23	1/23/2003	NO	Erosion of natural deposits. Discharge from metal refineries.
Sodium	N/A	N/A	Ave. 10.3 ppm Range 6.5 to 17.6	3/13/2007	NO	Erosion of natural deposits.
VOLATILE ORGANICS						
1,1,1-Trichloroethane	200 ppb	200 ppb	Ave. 0.31 ppb Range ND to 2.21	10/17/2006	NO	Discharge from metal degreasing sites and other factories.
cis1,2-Dichloroethylene	70 ppb	70 ppb	ND	10/18/2006	NO	Discharge from industrial chemical factories.
Tetrachloroethylene	0 ppb	5 ppb	Ave. 0.33 ppb Range ND to 2.99	10/17/2006	NO	Discharge from factories and dry cleaners.
SYNTHETIC ORGANICS						
Atrazine	3 ppb	3 ppb	Ave. 0.01 ppb Range ND to 0.11	10/18/2006	NO	Runoff from herbicide used on row crops.
REGULATED AT THE CUSTOMER'S TAP						
Lead**	0	AL 15 ppb	Range ND to 19	6/1/2008	NO	Note: one site exceeded action level. Corrosion of household plumbing systems.
Copper	1.3 ppm	1.3 ppm	Range 0.016 to 0.28	6/1/2008	NO	
REGULATED IN THE DISTRIBUTION SYSTEM						
Total Trihalomethanes	N/A	80 ppb	Ave. 8.9 ppb Range 4.9 to 11.9	7/8/2008	NO	By-product of drinking water chlorination.
Total Haloacetic Acids	N/A	60 ppb	Ave. 5.77 Range 5.0 to 7.2	7/8/2008	NO	By-product of drinking water chlorination.
Alpha Emitters (pCi/L)	0	15 pCi/L	1.8 pCi/L	1/28/2003	NO	Erosion of natural deposits.
Combined Radium	0	5 pCi/L	0.9 pCi/L	1/27/2003	NO	Erosion of natural deposits.
Total Coliform Bacteria	0	Less than 5%	1 positive sample out of 83 samples	7/1/2008	NO	Naturally present in the environment.
E. coli Bacteria	0		1 positive sample repeat samples negative	7/1/2008	NO	Human and animal fecal waste

Listed above are the analytes that were detected in Waterloo's drinking water during 2008. Not listed were the numerous other analytes which were tested for but were not detected.

Source: Waterloo Water Works, 2008

Monthly Rate – Per Gallon

First 2,244 gal	Minimum** (see chart below)
Next 20,199 gal	\$.00138/gallon
Next 127,177 gal	\$.00122/gallon

Next 1,346,580 gal	\$.00114/gallon
Over 1,496,200 gal	\$.00106/gallon
Monthly Rate – Per CCF	
First 3 CCF	Minimum** (see “Note” and “Minimum Charge” below)
Next 27 CCF	\$1.03/CCF
Next 170 CCF	\$0.91/CCF
Next 1,800 CCF	\$0.85/CCF
Over 2,000 CCF	\$0.79/CCF

Note: Waterloo charges a minimum charge based on meter size. For example, assuming a 2” customer-owned meter, the charge would be \$36/quarter (\$12/month), which includes the first 9 CCF. (The “Monthly” rates listed below are only applicable for large, industrial/commercial users of water. The “Quarterly” rates listed below are applicable for most residential and commercial users.)

MINIMUM CHARGE

<u>Customer Owns and Maintains the Meter</u>			<u>Water Works Owns and Maintains the Meter</u>	
<u>Meter Size</u>	<u>Monthly</u>	<u>Quarterly</u>	<u>Monthly</u>	<u>Quarterly</u>
5/8”			11.00	14.30
3/4”			12.20	17.90
1”			13.05	20.70
1 ½”			20.30	30.40
2”	32.00	36.00	44.00	95.00
3”	34.00	44.00	57.00	129.00
4”	56.00	63.00	88.00	222.00
6”	69.00	114.00	174.00	460.00
8”	92.00	154.00	256.00	765.00
10”	138.00	190.00	402.00	950.00
12”	173.00	226.00	639.00	1,070.00

Source (for all Water & Sewer Rates):
Waterloo Water Works, Effective January 1, 2009

Water Connection Fee	Variable
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Service Charge	Variable (see “Note” and “Minimum Charge” above)
Sewer Treatment	
Name of Provider	City of Waterloo
Type of Service	Tertiary
Rated Capacity (mgd)	36.5 million gallons/day
Average Daily Demand (mgd)	14 million gallons/day
Peak Demand (mgd)	33 million gallons/day
Monthly Rate – Per Gallon	
First 2,244 gal	\$.0047/gallon
Each Additional gal	\$.0022/gallon
Monthly Rate – Per CCF	
First 3 CCF	\$3.52/CCF
Each Additional CCF	\$1.68/CCF
Sewer Connection Fee	None
Electric Power	
Name of Provider	MidAmerican Energy
Communities Served	Waterloo, Evansdale, and select surrounding communities
Provider: Net Importer or Exporter of Power	Exporter
% of Reserve Margin Including Generation & Net Purchases	25%
Name of Power Pool Membership	MAPP
State Electric Power Deregulated	No
Average Cost per kWh* (Residential Rates – August 2008)	*Please call (800) 369-0513 for Commercial & Industrial Rates
All kWh (Summer)	\$.068520/kWh
First 1,000 kWh (Winter)	\$.066320/kWh
All over 1,000 kWh (Winter)	\$.056520/kWh
Service Charge	\$8.50
Natural Gas	
Name of Provider	MidAmerican Energy
Average Cost for Industrial Users (\$ per Mcf)	\$8.329 (2007)
Firm Contract Rates	Variable, dependent on when customer chooses to purchase

	gas.
Interruptible Service Rates	Available, but they are also variable.
Cities of Cedar Falls and Waterloo	
Telecommunications	
# of Local Service Providers	2 (Qwest & Mediacom)
# of Long Distance Service Providers	6
# of Internet Service Providers	20
Central Offices of Local Service Providers	Qwest Communications
Name of Office	Northern Telecom DMS 100
Location	Cedar Falls
Service Characteristic of the Office	Frame relay, DS3 (45 Mbps), Centrex Plus
Name of Office	AT&T 1AESS
Location	Waterloo
Service Characteristic of the Office	Frame relay, DS3 (45 Mbps), Centrex Plus
Switch Technology is Digital or Analog	Digital (both offices)
Fiber Service Provided	Yes
Monitored Remotely or On-Site	Remotely
ISDN Availability	
ISDN Available from this Switch	Yes
ADS2 Available from this Switch	Analog Digital Service Available
DSL Available from this Switch	Yes (third party local providers)
Central Office on Self-Healing Switching Offices Likely Avail.	Self-Healing (less than 59 milliseconds)
Points of Presence (POPs) of Long Distance Carriers	
AT&T	Waterloo (2 POPs)
MCI	Waterloo (1 POP)
Microwave or Hardwire	Hardwire
Dual Fiber Feed from Central Switching Office of Local Exchange Carrier	Yes
Diverse Routing Available	Yes

Business Support Services (#)	
Tool & Die	3
Machine Shop	16
Welding	19
Office Equipment Service & Repair (copiers)	7
Office Equipment Service & Repair (telecommunications)	10
Office Equipment Service & Repair (computers)	20
Temporary Employment Services	12
United States Postal Service	
Nearest General Mail Facility	Downtown Waterloo
% of Mail On-Time (First-Class, Overnight)	95.6% (2007)
Efficiency Rating	N/A
Guaranteed Service/Delivery Territory	First Class – next day in Iowa
	First Class – 2-3 days out of state
Nearest Bulk Mail Facility	Waterloo, Iowa
Distance From Community	0

Source: U.S. Postal Service, website; Cedar Falls Utilities, website; City of Waterloo, website; MidAmerican Energy website

For the most up-to-date information, please visit <http://www.midamericanenergy.com/> and <http://www.cfu.net/>.

This information cannot be published or altered without the prior written consent of Greater Cedar Valley Alliance. We encourage the use of the information by site selection consultants and companies as deemed necessary to evaluate the community for business locations.