

2017 JUN 29 PM 3:12

# CERTIFICATION

## Consumer Confidence Report (CCR)

*Columbus Light & Water*

Public Water Supply Name

*044-0003*

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. **You must mail, fax or email a copy of the CCR and Certification to MSDH. Please check all boxes that apply.**

Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*

- Advertisement in local paper (attach copy of advertisement)
- On water bills (attach copy of bill)
- Email message (MUST Email the message to the address below)
- Other *Customer Newsletter*

Date(s) customers were informed:          /          /          ,          /          /          ,          /          /         

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used         

Date Mailed/Distributed: ~~6/23/17~~ *6/26/17*

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed:          /          /         

- As a URL (Provide URL         )
- As an attachment
- As text within the body of the email message

CCR was published in local newspaper. *(Attach copy of published CCR or proof of publication)*

Name of Newspaper:         

Date Published:          /          /         

CCR was posted in public places. *(Attach list of locations)* Date Posted:          /          /         

CCR was posted on a publicly accessible internet site at the following address **(DIRECT URL REQUIRED)**:         

### CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply

*[Signature]*  
Name/Title (President, Mayor, Owner, etc.)

*6/23/17*  
Date

### Submission options *(Select one method ONLY)*

**Mail:** (U.S. Postal Service)  
MSDH, Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215

**Fax:** (601) 576 - 7800

**Email:** [water.reports@msdh.ms.gov](mailto:water.reports@msdh.ms.gov)

**CCR Deadline to MSDH & Customers by July 1, 2017!**

2017 JUN 29 PM 3: 12



420 4th Avenue South  
P.O. Box 949  
Columbus, MS 39703  
Telephone: (662) 328-7192

June 27, 2017

Ms. Joan Cockrell  
Mississippi State Department of Health  
Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215-1700

Dear Ms. Cockrell:

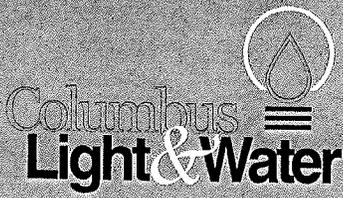
Please see the attached CCR Certification Form for Columbus Light & Water. Also, attached is a newsletter that contains the CCR Report. The mailing of this newsletter went out on June 26, 2017.

Sincerely,

A handwritten signature in cursive script that reads "Linda Triplett".

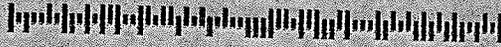
Linda Triplett, Adm. Asst. to  
Todd Gale  
General Manager

Enclosure:



Columbus Light & Water  
P.O. Box 949  
Columbus, MS 39703

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MR VACANT  
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COLUMBUS MS 39701

# Summer Energy Tips

Saving energy from  
the inside out.

Insulate your attic and walls, and seal cracks and openings to prevent warm air from leaking in

Keep curtains closed on the south, east and west sides of the house during the day

Use fans to keep air circulating

Perform a do-it-yourself home energy audit. Online and paper versions are available at [EnergyRight.com/residential](http://EnergyRight.com/residential).

Change air filters monthly

Caulk and weatherstrip around windows and doors

Keep your outside air unit clean and clear of debris or weeds

Turn up your cooling system's thermostat to 78° F or even higher

Run your washer and dryer only when full

Set the refrigerator temperature at 36° to 39° F and freezer at 0° to 5° F

Run your dishwasher only when full

Use the microwave when possible – it cooks faster and doesn't create as much heat as a stove burner

# *CLW celebrates* Earth Day with Community



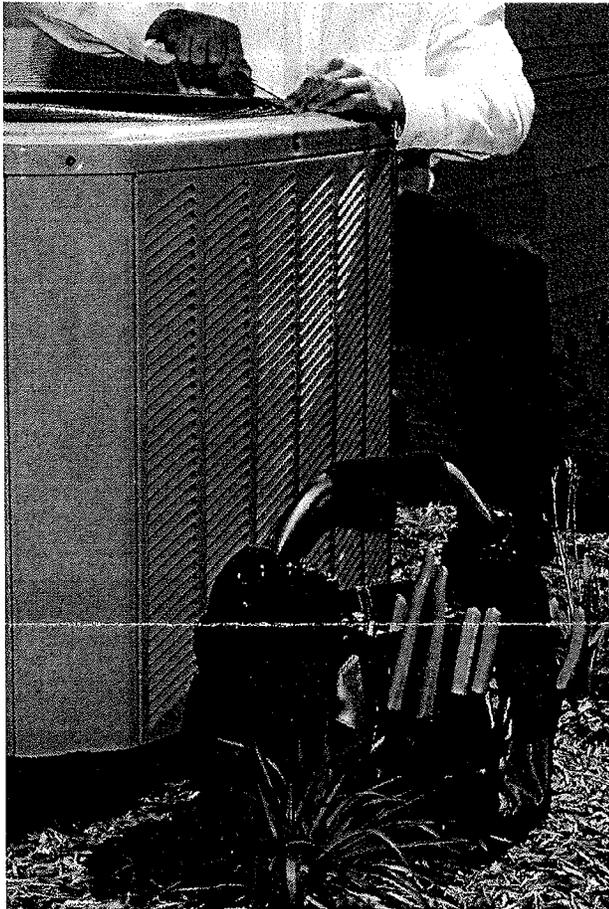
When it comes to protecting the environment, reducing energy usage plays a major role. With that message in mind, Columbus Light and Water recently hosted week long Earth Day activities for local residents to learn practical methods to help lower their utility bills through energy conservation.

During the week leading up to Earth Day, four educational meetings were held throughout the community where residents were invited to participate. Ben Polichnowski of CLEAResult and David Sparks with Tennessee Valley Authority informed the attendees about numerous low cost tips such as thermostat controlling, weather stripping, and LED bulb replacements.

"Many people stated they were enlightened by the information we presented," Sparks said. "Some basic temperature control settings and focus on stopping air leaks will make a big difference on lowering energy usage and protecting the environment."

Columbus Light and Water culminated the Earth Day celebration activities with weatherization projects with four members of local churches. Missionary Union Baptist Church, First Methodist Church, Southside Baptist Church and Zion Gate Baptist Church selected one member from their respective church to allow volunteers to help with home improvements aligned with energy conservation. "We are reaching the right people, the right homes for the right reason and we have the right help," Polichnowski said. "We are hoping to make this an annual event, which will include more churches and residents."

Earth Day volunteers included church members, City of Columbus Fire Department, TVA, CLEAResult, and Columbus Light and Water.



## *Extreme Energy Makeover* making **Progress**

Several homeowners in Columbus Light and Water's service area are truly benefiting from an energy efficiency initiative helping to lower their energy bills.

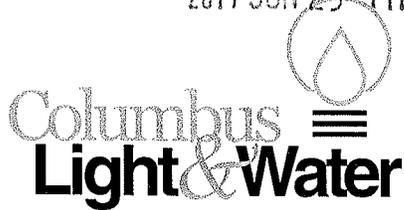
Columbus Light and Water has partnered with Tennessee Valley Authority (TVA)'s Extreme Energy Makeover (EEM) program to offer 125 homeowners in Columbus significant upgrades to improve energy efficiency to their homes free of charge. The goal is to reduce energy usage by 25% as a result of the improvements, which may include insulating the home, replacing older heating and cooling systems, and sealing existing ductwork. In order to qualify for the program, a home must be at least 20 years old and use electricity as a primary source for heating. Gas heated homes are ineligible.

The project is funded by a \$1.5 million grant from Tennessee Valley Authority and includes \$150,000 unrestricted matching funds by Columbus Light Water. "Our interest is making sure that we have a significant impact on energy conservation for the homeowner," said Mike Bernsen, Comptroller for Columbus Light and Water. "Our matching funds can assist with project completions where the grant may be limited."

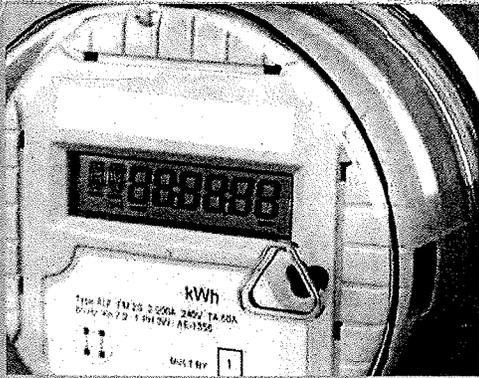
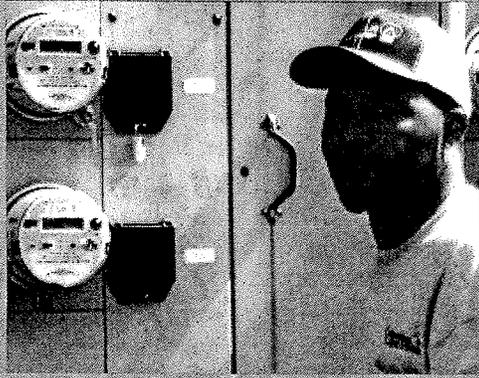
To date, Columbus Light and Water has completed 111 homes. "Homes receiving the Extreme Energy Makeover will benefit greatly from seeing a lower energy bill," said Bernsen. "We believe we are adding value to the home and improving comfort and quality of life for the homeowner by helping to upgrade older homes in our service area."

One of Columbus Light and Water customer expresses her appreciation for the program. Annie Hubbard had EEM completed on her home several months ago. "I am very pleased that I signed-up for the Extreme Energy Makeover," Hubbard said. "With the HVAC work and LED light bulbs replacement, I am looking forward to seeing lower energy bills as a result of the upgrades."

“ Our interest is making sure that we have a significant impact on energy conservation for the homeowner. ”



## CLW installs Automated Meters



Columbus Light and Water (CLW) is pleased to announce we have recently completed our electric meter replacement program. This endeavor includes the upgrade of electric metering services from manual to Automated Meter Reading (AMR) for all customers. The new AMR technology now provides a means of reading meters remotely from our main office.

Approximately 12,500 electric customer throughout our company's service territory received these meters at a project cost of \$2.7 million dollars. The project required 18 months to complete for both residential and business customers. AMR improves reading efficiency and greatly reduces the need to estimate meter readings during periods of inclement weather or restricted access due to dogs and locked gates.

The intent of the program is to provide increased customer service by removing human error from visual meter reading,

eliminate estimated billing, provide a more predictable meter reading schedule, and help resolve high billing complaints. Other benefits include outage management and helping the customer be more informed about their power use.

"Our focus is helping our customers by providing better service," said Todd Gale, General Manager for CLW.

"AMR eliminates the need for meter readers to visually read meters at home or a business because the units transmit information remotely, which improves accuracy and reliability."

Another added benefit of AMR will allow CLW customers to be informed as quickly as possible about their utility services. "This is the next step in allowing our customers to log into a web portal to view their utility consumption and usage trends as well as set email and text alerts to avoid costly bills and achieve conservation goals," said Gale.

*"Our focus is helping our customers..."*

CONTAMINATE	VIOLATION Y/N	DATE COLLECTED	LEVEL DETECTED	MCL	LIKELY SOURCE OF CONTAMINATION
<b>DISINFECTION BYPRODUCTS</b>					
Chlorine	N	2016	2.00 RAA 2.30 max. mg/L 1.60 min. mg/L	4.0 mg/L	Water additive used to control microbes
Total Haloacetic Acids (HAA5)	N	2016	9.0 ppb	60 ppb	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM)	N	2016	3.42 ppb	80 ppb	Byproduct of drinking water disinfection
<b>INORGANIC CHEMICALS</b>					
Antimony	N	2016	<0.0005 ppm	0.006 ppm	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solders
Arsenic	N	2016	<0.0005 ppm	0.010 ppm	Erosion of natural deposits; runoff from orchards; runoff from glass & electronics production wastes
Barium	N	2016	0.0089 ppm* <0.0158 ppm**	2 ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	N	2016	<0.0005 ppm	0.004 ppm	Discharge from metal refineries & coal-burning factories; discharge from electrical, aerospace, & defense industries
Cadmium	N	2016	<0.0005 ppm	0.005 ppm	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoffs from waste batteries and paints
Chromium	N	2016	<0.0005 ppm* <0.0005 ppm**	0.1 ppm	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide	N	2015	<0.015 ppm	0.2 ppm	Discharge from steel/metal, plastic & fertilizer factories
Fluoride	N	2016	<0.625 ppm* <0.828 ppm**	4 ppm	Water additive which promote strong teeth; erosion of natural deposits; discharge from fertilizer & aluminum factories
Lead	N	2015	0 ppb	15 ppb	Corrosion of household plumbing systems; erosion of natural deposits
Mercury	N	2016	<0.0005 ppm	0.002 ppm	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands
Nitrate	N	2016	<0.08 ppm */**	10 ppm	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion from natural deposits
Nitrite	N	2016	<0.02 ppm */**	1 ppm	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion from natural deposits
Nitrate + Nitrite	N	2016	<0.1 ppm */**	10 ppm	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion from natural deposits
Selenium	N	2016	<0.0025 ppm	0.05 ppm	Discharge from petroleum refineries; erosion of natural deposits; discharge from mines
Thallium	N	2016	<0.0005 ppm	0.002 ppm	Leaching from ore processing sites; discharge from electronics, glass & drug factories
<b>ORGANIC CHEMICALS</b>					
Benzene	N	2015	<0.5 ppb	5 ppb	Discharge from factories; leaching from gas storage tanks & landfills
Carbon Tetrachloride	N	2015	<0.5 ppb	5 ppb	Discharge from chemical plants & industrial activities
CIS- 1, 2-Dichloroethylene	N	2015	<0.5 ppb	70 ppb	Discharge from meat & fish or pharmaceutical industries
Dichloromethane	N	2015	<0.05 ppb	5 ppb	
Dichlorobenzene	N	2004	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
O-Dichlorobenzene	N	2015	<0.5 ppb	600 ppb	Discharge from industrial chemical factories
P-Dichlorobenzene	N	2015	<0.5 ppb	75 ppb	Discharge from industrial chemical factories
1, 2 - Dichloroethane	N	2015	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
1, 1 - Dichloroethylene	N	2015	<0.5 ppb	7 ppb	Discharge from industrial chemical factories
1, 2 - Dichloropropane	N	2015	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
Ethylbenzene	N	2015	<0.5 ppb	700 ppb	Discharge from petroleum refineries
Monochlorobenzene	N	2015	<0.5 ppb	100 ppb	Discharge from paint, glass & ceramic industries
Tetrachloroethylene	N	2015	<0.5 ppb	5 ppb	Discharge from factories & dry cleaners
Trans- 1, 2 - Dichloroethylene	N	2015	<0.5 ppb	100 ppb	Discharge from industrial chemical factories
1, 1, 1 - Trichloroethane	N	2015	<0.5 ppb	200 ppb	Discharge from metal degreasing sites & factories
Trichloroethylene	N	2015	<0.5 ppb	5 ppb	Discharge from metal degreasing sites & factories
1, 1, 2 - Trichloroethane	N	2015	<0.5 ppb	5 ppb	Discharge from industrial chemical factories
1, 2, 4 - Trichlorobenzene	N	2015	<0.5 ppb	70 ppb	Discharge from textile finishing factories
Toluene	N	2015	<0.5 ppb	1000 ppb	Discharge from petroleum factories
Styrene	N	2015	<0.5 ppb	100 ppb	Discharge from rubber & plastic factories; leaching from landfills
Vinyl Chloride	N	2015	<0.5 ppb	2 ppb	Leaching from PVC pipes; discharge from plastic factories
Xylenes	N	2015	<0.5 ppb	10000 ppb	Discharge from petroleum & chemical factories

Treatment Plant North | \*\* Treatment Plant South | MCL = maximum containment level | ppm = parts per million  
ppb = parts per billion | mg/L = milligrams per liter | RRA = Running Annual Average

# Water Quality

## Data Table & Test Results

Calendar Year 2016

### WHERE DO WE GET OUR WATER?

Our underground water is pumped from eight wells drawing from the massive sand of the lower Tuscaloosa Aquifer.

### SOURCE WATER PROTECTION

The source water assessment has been completed for our public water system to identify potential sources of contamination and determine the overall susceptibility of the drinking water supply. Susceptibility assessment has been completed and all wells have ranked moderate by the MDEQ for vulnerability to contamination.

### CONTACT US

As a valued customer, we want you to be informed about your water utility. If you have any questions, please contact Columbus Light & Water at 662-328-7192, Monday through Friday from 8:00 a.m. to 5:00 p.m.

### WATER QUALITY

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be microbes, inorganic or organic chemical and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

### TESTING

The Columbus Light & Water Department routinely monitors for constituents in your drinking water according to Federal and Mississippi state laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2016. In cases where monitoring wasn't required in 2016, the table reflects the most recent results. As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and state requirements. We have learned through our monitoring and testing that some constituents have been detected, however the EPA has determined that your water is safe at these levels.

### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Columbus Light & Water is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601-576-7582 if you wish to have your water tested.

### Additional Information for Fluoridation

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", Columbus Light & Water is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 10. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 73%.

### SPECIAL POPULATIONS

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate ways to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline: 1-800-426-4791.

At Columbus Light & Water, we work around the clock to provide top quality water to every tap. Please call our office if you have any questions. We ask that all our customers help us protect our water sources which are the heart of our community, our way of life and our children's future.



[www.columbuslw.com](http://www.columbuslw.com)