

Village of LINDENHURST

DEVELOPING TODAY FOR TOMORROW

Lake Michigan Water: Special Edition

The Village of Lindenhurst has completed the long awaited transition from ground water to Lake Michigan water. At the end of November 2017, Village Public Works introduced Lake Michigan water into the distribution system. Most residents did not notice a change, with the exception of a slight temperature difference at the water tap.



The conversion to Lake Michigan water has been a process almost a decade in the making. We are fortunate that the final phases of this project ended almost a month ahead of schedule and under budget. The Village of Lindenhurst faced an uncertain future with regards to its supply of water. The underground aquifers that provided water had limited capacity, and were susceptible to impurities and contaminants. Since 2006, Lindenhurst, along with Lake Villa, Wauconda, Volo and Lake County, joined together to secure Lake Michigan water as a permanent water supply source.

Internal System improvements to the Lindenhurst water system were financed by the Clean Water or Drinking Water State Revolving Fund (SRF). The SRF program is administered by the Illinois Environmental Protection Agency and receives a portion of its money to fund these types of projects from the U.S. Environmental Protection Agency. This project consisted of two phases of water distribution system improvements, allowing the Village of Lindenhurst to connect to the Central Lake County Joint Action Water Agency (CL-CJAWA), which now supplies the Village with Lake Michigan water.

Access to Lake Michigan Water eliminates dependence on ground water, and results in improved water quality for Village residents and businesses by providing a long-term, sustainable drinking water supply. The water's reduced hardness means no water softeners needed, and no iron means no rust stains. This cost-effective solution also has a positive impact on our property values.

If you would like to learn more about the project, please visit www.lindenhurstil.org, or contact the Village Hall at 847-356-8252.

Community Calendar

Visit www.lindenhurstil.org for more details about all Village events:

- **Monday, February 19: Village Hall closed in honor of Presidents Day**
- **Thursday, March 15: Engle Junction Preschool Art Show & Book Fair at Lippert Community Center, 2200 E. Grass Lake Road; www.lindenhurstparks.org**
- **Saturday, March 24 (Rain Day, Sunday, March 25): Park District Easter Egg Hunt & Easter Bunny Meet at Millennium Park; www.lindenhurstparks.org**
- **Saturday, April 21: Earth Day Celebration, Village Hall, 2301 E. Sand Lake Road**



Photo courtesy of Steve Shelasky

From the Mayor's Desk

2018 Priorities

Last year at this time, I wrote about completing construction work for our acquisition of Lake Michigan water. As you're aware, we began receiving Lake Michigan water on November 28, 2017. Our largest Village project - completed ahead of schedule and under budget! Thanks and congratulations to all that were involved in this huge endeavor.

For 2018, a number of projects will be finalized through our budget process. We had planned to contribute to the Grand Avenue and Millburn Bypass projects, but with the State cutting funds for road projects, either or both of these projects may experience additional delays. We will continue our multi-year plan to replace Village trees lost to the emerald ash borer.

As I also mentioned last year, I continue to

work with County and State officials in an effort to improve safety at some of our key intersections. Another high priority of mine is to get a hospital in Lindenhurst. Sometimes, progress for items like these are not measured in days and weeks, but instead months and years.

The Village continues to work with our local Chamber of Commerce and others to bring more commercial development into Lindenhurst. We should have a new deli and bar opening in the springtime, and we are negotiating with a business that we believe will be very successful and popular in our town. Stay tuned for more information as plans are solidified.

Finally, if you know of a business that may be a good fit for our community, ask them to contact me or our Village Administrator Clay Johnson - we would be happy to talk to them!



LAKE MICHIGAN WATER FAQS

Below are frequently asked questions that we have received from residents. To better assist in any additional questions that you may have specific to Lake Michigan water; please access CLCJAWA's website at <http://www.clcjawa.com/water-quality/what-to-expect-when-shifting-to-lake-michigan-water-1>.

What is the hardness of our water?

Answer: The hardness of our water is about 8 grains per gallon or 137 mg/l as CaCO₃. It does not change significantly.

Should I buy bottled water?

Answer: In general, no. There are no health benefits to drinking bottled water compared to your tap water. Your water is tested for more kinds of bacteria and contaminants and is tested much more often than bottled water. Your tap water is held to higher standards than bottled water. Our doors and water quality records are always open for your critical review. Your treatment plant uses the same water treatment technology available to bottled water producers. And, our water is much less expensive. Bottled water does offer advantages to those who prefer the taste of a specific kind of water or to people on the go who don't have time or forget to fill a sports bottle with tap water.

Do I still need my softener now that we receive Lake Michigan water?

Answer: Most residents have made the decision to stop using their softeners. However, the answer to this question depends on why you purchased your softener in the first place. If you purchased it to keep your pipes from plugging up with scale, you no longer need it. Lake Michigan water does not typically clog water pipes. If you purchased it to reduce the amount of scale or lime that builds up on your faucet or around sinks and tubs, you will find this problem greatly diminished with Lake Michigan water, though it will cause a slight scale build up over time that requires cleaning. If you purchased your softener to remove iron from your water, you no longer need it. Lake Michigan contains almost no iron. If you purchased your softener because you want to use less detergent or soap, you will find that with Lake Michigan water, you will use much less detergent and soap than you did with your well water. If you are considering purchasing a water softener, please consider these things. A softener will remove the calcium and magnesium (hardness) from your tap water. These essential minerals will be replaced with sodium (salt) in your tap water. While this does not improve the health-related aspects of your tap water, it will cut down slightly on soap and detergent use. A softener does eliminate any scale from building up around your kitchen and bathroom fixtures but most people feel the amount of scale that does form around their faucets is so minimal, the expense of a softener is not worth it. Softeners do increase the corrosiveness of water and are often implicated in increased lead and copper levels in homes with these plumbing materials. Finally, if you decide to purchase a softener, please invest the time to flush it out after being away for more than a few days. This reduces the number of nuisance bacteria that are present inside stagnant softener tanks.

Do I need a water filter?

Answer: No. The water you receive from your tap is safe to drink and has already been filtered through granular activated carbon and fine sand. The water produced by CLCJAWA is more than five times clearer than required by the Environmental Protection Agency.

If you are sensitive to chlorine in your water, a carbon filter will remove all chlorine. Carbon filters must be consistently maintained to minimize bacteriological contamination of your water. Most folks sensitive to the chlorine will fill (*continued on page 4*)

Linden Notes

During the last 3 weeks of December, Public Works blended Lake Michigan Water into your water distribution system. Based on ambient temperatures, existing water pipe temperature, and the temperature of the receiving water; we proceeded with caution to minimize possible disruptions or water related issues. Although some water related issues were reported and were in isolated areas; most residents did not experience problems with the blending process. As of 12/11/2017 at 1:18 PM, Public Works completed the blending and began providing 100% Lake Michigan water to your residence or businesses.

We would like to extend our

appreciation for your patience over the past 3 years of construction. During this construction period, the Village work included:

- Upgrading 4.2 miles of existing water main
- Installing 5.2 miles of water main in areas that did not have access to Village water
- Installing an interconnect between Mallard Ridge Subdivision and Hickory Court to improve flow
- Installing an interconnect between Mallard Ridge Subdivision and Tower 1 to improve flow
- Installing an interconnect between Jefferson Drive and the Waste Water Treat-

ment Facility to provide a looped system

- Erected a 1,000,000 gallon reservoir
- Constructed the Susan Lahr Lake Michigan Water Receiving Station

Residents may have experience minor water issues as the distribution system became acclimated to Lake Michigan water. These issues should continue to subside as we progress through the upcoming months.

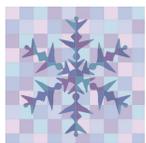
If you have specific questions about the water quality, you can visit <http://www.clcjawa.com/water-qualityor>. Again and as always, we appreciate your patience and understanding as we move forward.

VILLAGE CODE REMINDER: Snowmobile Regulations

- Snowmobiles can only be operated on private property with the permission of the owner.
- Snowmobiles are not permitted on any public right of way or roadway, school grounds, Village or Park District property.
- Special rules apply for Lake Linden and snowmobile equipment requirements. Please call the Village Hall at (847) 356-8252 for more information.



Winter is Here...



Which means it's time to remove snow. Please remember that the **Illinois Department of Transportation (IDOT)** plows **Grand Avenue and Route 45**, and the **Lake County Department of Transportation** plows **Sand Lake, Gelden and Grass Lake roads**. All other public roads in Lindenhurst are maintained by Village snow removal crews.

Snowfall parking restrictions: To assist our snow plow crews, there is no parking on any Village street when there is 1" or more of accumulated snow. The restriction applies until the streets have been cleared of snow. Violators may be towed. And please don't deposit additional snow onto the roadway from your shoveling or snow-blowing efforts. Following this procedure allows snow plow operators to quickly and efficiently remove snow.

Road Hazards: Though basketball nets are never allowed adjacent to our roadways, they pose a particular hazard to our plow drivers as they clear our streets. Please store them appropriately year around.



How is our Water Treated?

The Central Lake County Joint Action Water Agency (CLC-JAWA) uses a unique enhanced purification process to treat the water we obtain from Lake Michigan. The tap water quality is consistently monitored by the Village, by the Illinois Environmental Protection Agency (IEPA), in the CLCJAWA Water Quality Lab, and by other independent labs. This aggressive water quality assurance program is thorough: bacteriological tests are conducted six times more often than required, water clarity is monitored every 10 seconds, and the water is screened for hundreds of contaminants.



First, the water is treated with ozone to kill organisms and break down contaminants. Ozone is produced on-site from air, bubbled into the water, and then converted back to oxygen. The water is then mixed with coagulant to remove sediment and other material from the water. Once clarified (measured by turbidity), the water is further refined as it passes through filters containing

activated carbon and fine sand. Equipment automatically monitors the turbidity/clarity of the water every 10 seconds to ensure water quality, filtration and disinfection. Additionally, water quality is checked by hand twice daily in the CLCJAWA laboratory.

Next, the water is treated with ultraviolet light to inactivate any remaining organisms. Finally, the water is treated with chlorine to protect it as it travels through the water main, fluoride for dental health, and a small amount of phosphate (food additive). This food additive coats the inside of your plumbing with a thin film, thereby protecting the water from metals, such as lead and copper, found in our homes' plumbing systems.

Additionally, you can reduce the amount of lead in your drinking water by:

- Replacing lead-containing plumbing and fixtures.
- Drinking or cooking with cold water only. Water that comes out of the tap warm or hot can contain much higher levels of lead. Boiling the water will NOT reduce the amount of lead in your water.
- Flushing water outlets used for drinking or food preparation. Allow the cold water to run a couple minutes before using it for food or drink preparation.
- Cleaning the debris out of outlet screens or faucet aerators on a regular basis.
- To determine the amount of lead in your drinking water, you can have your water tested at a certified laboratory. Please call 847-377-8017 for testing information.
- For more information on how to reduce lead exposure in your home and the 2017 Annual Water Quality Report, access the CLCJAWA's website at www.clcjawa.com.

LAKE MICHIGAN WATER FAQs (continued from page 2)

a pitcher with tap water and place it in the refrigerator overnight. Usually by the next day, the chlorine will have evaporated out of the water. If your immune system is compromised in any way, ask your doctor about any precautions you should take when drinking bottled or tap water.

Does our water contain fluoride?

Answer: Yes. In Illinois, the Department of Public Health requires that we add fluoride to our water to provide children with one of the building blocks needed for strong teeth. At CLCJAWA, we only add what is required, no less and no more. Evanston was the first community to add fluoride to drinking water in 1947. Fluoride in drinking water is primarily absorbed into the blood stream and deposited to the teeth of children up to the age of about 8.

What is in our water?

Answer: Unlike many utilities and most water bottlers, CLCJAWA tests for hundreds more compounds than required. For a complete listing of compounds detected in our water please visit www.clcjawa.com. If you have a concern about a specific compound not on the list, please contact them at 847-295-7788.

Does my water contain lead?

Answer: The water that CLCJAWA delivers to each community contains no detectable lead. Lead in tap water typically comes from the service pipe that enters a building or the plumbing within the building. Newer homes typically do not have lead service pipes or lead containing plumbing. Because homeowners, typically own the service pipe leading into their building and the plumbing within it, they should consult with a licensed plumber and/or consult with their public works department if they are concerned. The US EPA also offers guidance to reduce lead in your water at www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water.

CLCJAWA does add a drinking water certified corrosion inhibitor called orthophosphate, to the water. This common drinking water and food ingredient binds with metals like lead, to keep them from corroding and getting into your water from your plumbing. This compound reduces lead in many homes but does not remove it completely from all homes or to levels considered safe in some homes— depending on your plumbing.

You may refer to the 2017 Annual Consumer Confidence Water Report at www.clcjawa.com for a breakdown of water quality contaminants detected in 2016. You may also wish to have your water tested for lead by a lab like the Lake County Health Department Environmental Lab (847-377-8017).

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Mayor Dominic Marturano

Trustee Bill Anderson

Trustee Patty Chybowski

Trustee Dawn Czarny

Trustee Patrick Dunham

Trustee Dawn Suchy

Trustee Heath Rosten

Village Clerk Jody Stoughtenger

Village Board meetings are scheduled on the second and fourth Monday of every month at 7:00 p.m. at the Village Hall, 2301 E. Sand Lake Road. Please visit www.lindenhurstil.org for more information.

