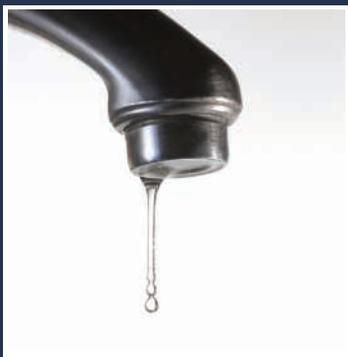




PLANNING FOR OUR FUTURE WATER SUPPLY





OUR WATER SUPPLY TODAY... AND TOMORROW

Fox Lake Hills faces an uncertain future with regard to its water supply which comes from underground aquifers. Demand for water during peak periods is greater than these aquifers can supply, resulting in

low water levels and poor water quality. Because the underground aquifers have limited capacity, a decision on a long-term sustainable water supply is necessary.

FOX LAKE HILLS NEEDS A SUSTAINABLE WATER SUPPLY

Demand for water has resulted in the over-pumping of local wells. Continued use of these wells is not a viable long-term option for Fox Lake Hills.

The shallow aquifers have limited recharge capacity, and our existing wells have inadequate capacity for current uses. They produce hard water from subsurface minerals, resulting in some residents treating the water with home water softening systems.

Several areas in Lake County have already experienced the need to abandon wells because of contamination from surface sources. Contamination of the Fox Lake Hills wells with heavy metals

and chemicals remains a threat that must be monitored.

Continued depletion of this groundwater supply is causing serious short and long-term water supply concerns. As a result, the County will need to spend millions of dollars on the construction of a new shallow well, iron removal treatment and a pressure booster station, or find another permanent water source. Even if we would construct a new well, its useful life expectancy is limited due to the continued decline in quality and quantity of the water from the underground aquifer.

RECOMMENDATION

The long-term solution to treating contaminants, and to provide a sustainable water system, is to obtain a new water supply.

Studies show that Lake Michigan water is a source of high quality water and is the most cost-effective, long-term solution to our drinking water needs.

LEARN MORE

Lake County will continue to provide information to the public on this important project by distributing public information materials and conducting public meetings. Visit our website for background materials, FAQ's, and open house meeting information. The Lake County Board and Public Works are committed to an open process and public comment is encouraged.



The cost to bring in Lake Michigan water is \$1.25 per day, which is about the price of a bottle of water.

LAKE MICHIGAN WATER SUPPLY FACTS

- Lower Water Hardness
- No iron content, which will help eliminate fixture corrosion and laundry staining
- No affect from local surface contaminants

COST

The most cost-effective and efficient transmission of Lake Michigan water is joining the Central Lake County Joint Action Water Agency (CLCJAWA). Connecting to CLCJAWA allows us to branch off their existing piping network rather than constructing a new pipeline and intake at Lake Michigan.

COST INFORMATION FOR FOX LAKE HILLS

Property Tax Component

	Construction Cost - Fox Lake Hills Portion	\$150,000 Property	\$200,000 Property	\$300,000 Property
County SSA	\$2.6 Million	\$13.33/month	\$18.42/month	\$25.58/month
CLCJAWA	(Tax Expires 2018)	\$1.50/month	\$2.58/month	\$4.08/month
TOTAL		\$14.83/month	\$21.00/month	\$29.66/month

Water Rate Component

Projected Additional Water Rate	3,000 gal/month usage	6,000 gal/month usage	9,000 gal/month usage
\$2.76/1,000 gal	\$8.28/month	\$16.56/month	\$24.84/month

A typical homeowner with a \$200,000 home and water usage of 6,000 gallons per month would see a monthly increase of \$37.56 in cost, or roughly \$1.25 per day.

The projected cost to do nothing right now and react to future water supply problems in crisis mode would be higher. The cost of drilling an additional well, and then treating the poor water quality, would only temporarily solve our supply concerns and cost more than making the investment now to guarantee a safe and reliable water supply from Lake Michigan.



LakeCounty

Lake County Public Works

650 W. Winchester Road

Libertyville, Illinois 60048

Attend Open House

Date: Tuesday, Jan.29, 2013

Time: 5:30 p.m. to 7:30 p.m.

Location: Thompson Elementary School

515 Thompson Lane, Lake Villa

