

ORDINANCE NO. 2010-03

**AN ORDINANCE AMENDING ORDINANCE #2005-03,
THE REGULATIONS GOVERNING FIRE ALARM AND DETECTION SYSTEMS
FOR THE ALGONQUIN-LAKE IN THE HILLS FIRE PROTECTION DISTRICT**

WHEREAS, the Algonquin-Lake in the Hills Fire Protection District is a fire protection district duly organized under the laws of the State of Illinois; and

WHEREAS, the Board of Trustees (the "Board") of the District has express power pursuant to Section 11 of the Fire Protection District Act (the "Act") to adopt and enforce fire prevention codes and standards parallel to national standards to promote fire prevention (70 ILCS 705/11); and

WHEREAS, the Board of Trustees of the District also has full power pursuant to Section 6 of the Act, to pass all necessary ordinances, and rules and regulations for the proper management and conduct of the business of the Board for carrying into effect the objects for which the District was formed (70 ILCS 705/6); and

WHEREAS, the Board of Trustees adopted Ordinance #2005-03, amending the regulations governing Fire Alarm and Detection Systems for the Algonquin-Lake in the Hills Fire Protection District, on August 18, 2005; and

WHEREAS, many homes, business establishments and public buildings within the District are equipped with systems, including automatic detection devices and signaling devices that transmit alarms or signals of a fire or medical emergency to the District; and

WHEREAS, the District, in its effort to provide better protection against fire, has entered into an contract with Chicago Metropolitan Fire Prevention Company, for the purpose of providing and maintaining a state-of-the-art wireless radio monitoring system that will transmit alarm and trouble signals to the District's communications center via a Keltron radio transmitter; and

WHEREAS, the District has found it necessary and legally proper to institute an ordinance that advises all current and future subscribers to "direct connect" all alarm and trouble signals directly to the communications center via the Keltron radio transmitter; and

WHEREAS, the Board believes that amendments to the District's Fire Alarm and Detection System regulations would be consistent with insuring the general fire safety and welfare of the

public and that such amendments are parallel to national standards and are in the best interests of the residents of the District.

NOW, THEREFORE, Be It Ordained by the Board of Trustees of the Algonquin-Lake in the Hills Fire Protection District, McHenry and Kane Counties, Illinois, as follows:

Section 1. Fire Alarm and Detection Systems—In General.

Section 1.1. Design and Installation. Fire alarm systems shall be designed and installed in accordance with the provisions of NFPA 72 (2007 Ed.), International Fire Code (IFC) (2006 Ed.), and this Ordinance. Devices, appliances and equipment shall be listed and approved for the purpose for which they are installed.

Section 1.2. Supervision of Sprinkler Systems. Required automatic fire sprinkler systems shall be supervised by a fire alarm system in accordance with IFC §903.4. The flow of water through the smallest orifice in a fire sprinkler system shall cause an alarm condition within ninety (90) seconds. Reference **EXHIBIT A**, item numbers 8 through 28.

Section 2. System Design and Plan Submittal.

Section 2.1. Plan Submittal. Construction documents for all systems shall be prepared in accordance with IFC §907.1.1 and NFPA 72 (2007 Ed.). Not less than three (3) sets of plans and specifications shall be provided for review and approval prior to system installation.

Section 2.2. Secondary Power. All fire alarm systems shall be provided with 60 hours of secondary power.

Section 3. Plan Review Fee. The fee for the review of fire alarm system plans and specifications and for system acceptance testing shall be as set forth in the Plan Review Fee Schedule.

Section 4. Fire Alarm System Supervision. All fire alarm systems required in Section 1 of this Ordinance shall be supervised by a direct connection to the Algonquin/Lake in the Hills Fire Protection District ("ALFPD") which operates a remote supervising station at 1020 West Algonquin Road, Lake in the Hills, IL. The exceptions noted in IFC §903.4.1 shall apply.

Section 5. Keltron Wireless Alarm Network.

Section 5.1. Connection Method. The method of connecting directly to the remote supervising station shall be by the ALFPD Keltron Wireless Alarm Network, or other alternate connection means as approved by the Fire Chief. All fire alarm system control panels connected to a Wireless Network radio transceiver shall be provided with at least one reverse polarity output except that fire alarm control panels monitoring supervisory signals (tamper switches, fire pump conditions, etc.) shall be provided with two reverse polarity outputs. All fire alarm control panels shall be UL listed for remote station signaling of Manual, Automatic, Waterflow (where applicable) and Supervisory (where applicable) signals by the reverse polarity method. The fire alarm contractor, or responsible electrical contractor, shall provide a 1900 box directly above and within 3-feet of the fire alarm control panel. The 1900 box shall house the A/C primary power source for the fire alarm control panel. Sufficient additional wire shall be left in the 1900 box to allow for the ALFPD's radio vendor to splice into the fire alarm contractor's A/C conductors to obtain power for the radio.

Section 5.2. Application Process. All connections to the ALFPD Keltron Wireless Alarm Network shall be preceded by an application process. The ALFPD shall provide to owners, agents or occupants of buildings within the fire district requiring or requesting connection to the fire district's remote supervising station, forms and contracts which shall be completed and returned to the ALFPD prior to the ALFPD's approval of the connection of a fire alarm system to the ALFPD Keltron Wireless Alarm Network.

Section 5.3. Monitoring Fees. The fee for the monthly monitoring of fire alarm signals shall be \$80.00. The fee for the monthly monitoring of fire alarm signals from buildings owned by governmental units shall be \$62.75. All fees shall be paid on an annual basis.

Section 5.4. Fire Alarm System Registration and Fees. Each fire alarm system within the fire district shall be registered. Registration of the fire alarm system is intended to provide the fire district with information related to the fire alarm system including, but not limited to, its owner, the responsible party, night/after hour call information, fire alarm maintenance contractor, and the results of the annual fire alarm inspection. Each fire alarm system owner shall complete a registration form provided by the ALFPD at the time of initial connection to the wireless network, and annually when the connection to the wireless network is renewed. The fee for initial registration is \$25.00. The fee for the annual registration renewal is \$10.00 which shall be paid with the second year, and each succeeding year's, monitoring fees. Each fee shall be made payable to the ALFPD.

Section 5.5. Initial Connection Fees. Prior to the initial connection to the ALFPD Keltron Wireless Alarm Network, subscribers shall pay for the first twelve (12) months of applicable monitoring fees and the initial registration fee to the ALFPD. Connections made to the ALFPD Keltron Wireless Alarm Network on the 1st through the 15th of the month will be charged the applicable full monthly connection fee. Connections made on the 16th through the last day of the month will be charged half the applicable monthly fee for the initial month of monitoring.

Section 5.6. Renewal of Monitoring and Registration Fees. Subscribers to the ALFPD Keltron Wireless Alarm Network will be invoiced by the ALFPD or its assigned agent, thirty (30) days prior to the end of their annual subscription to the wireless network. The invoice will include the cost of twelve (12) additional months of monitoring at the applicable monitoring fee rate and the renewal registration fee. All annual monitoring and registration fees shall be paid prior to the start of the new annual renewal period. Registration fees that are delayed are subject to a 1.5% per month (18% per annum) late fee for each month that the fees are late.

Section 5.7. Wireless Fire Alarm Equipment. The ALFPD is the owner of all equipment associated with the ALFPD Keltron Wireless Alarm Network. Subscribers to the Wireless Network will be provided with a radio transceiver that replaces the traditional phone circuit for connection to the remote supervising station. The subscriber, through the monthly monitoring fee, is leasing the radio transceiver from the ALFPD.

Section 5.8. Wireless Fire Alarm Equipment Installation and Maintenance. The installation and the annual and necessary maintenance, testing, and repair of the radio transceiver at the subscriber's premise will be completed solely by a fire alarm company of the ALFPD choice. The ALFPD will contract with a single vendor to provide this service. Subscribers to the ALFPD Keltron Wireless Alarm Network will be advised of the district's vendor identity. Subscriber's shall allow the ALFPD's vendor to have access to the radio transceiver during normal business hours for all required and necessary installation, annual and necessary maintenance, testing, and repair.

Section 5.9. Fees Associated with Radio Transceiver Installation. The ALFPD will install the necessary radio transceiver at the subscriber's location at a cost to the subscriber of

\$298.00 when a standard installation can be accomplished by the ALFPD's vendor. An installation standard has been established by the ALFPD. When the ALFPD's vendor cannot perform a standard installation, the subscriber will be invoiced a non-standard installation fee by the ALFPD in accordance with a fee schedule established by the ALFPD and its vendor. Fees for installations shall be paid to the ALFPD within thirty (30) days of invoice receipt. See **EXHIBIT B** for a Standard Installation Diagram.

Section 6. Maintenance of Fire Alarm Systems. All fire alarm systems shall be subjected to annual and periodic testing in accordance with NFPA 72 (2007 Ed.). The results of all required tests shall be recorded and shall be provided to the fire district as part of the annual registration renewal. While the ALFPD will repair and maintain its wireless equipment, including the radio transceiver at the subscriber's location, it is the responsibility of owner of the fire alarm control panel within the premise to provide the required annual and periodic testing.

Section 7. Limited Repealer. All prior ordinances requiring the use of any other alarm system are hereby repealed to the extent that no subscriber shall be required to maintain more than one alarm system.


Section 8. Severability. That should any section, paragraph, sentence or clause of this Ordinance adopted be declared for any reason to be unlawful or invalid, it is the intent of the Board of Trustees of ALFPD that the remaining provisions of this Ordinance be given full force and impact independent of the any portion or portions that might be found unlawful or invalid.

ADOPTED this 22nd day of September, 2010, by the following roll call vote:

AYES: Bradach, Corless, Markowitz, Read


NAYS: none

ABSENT: Olsen



President, Board of Trustees
Algonquin-Lake in the Hills Fire Protection District

ATTEST:



Secretary, Board of Trustees
Algonquin-Lake in the Hills Fire Protection District