Dear Resident,

The Lincoln Water Department has installed a new water meter that is capable of indicating whether or not there is a leak at your home. Please take a moment to familiarize yourself with the water meter and its functionality.

The digital display under the black meter lid is activated by shining a flashlight on the meter face plate. The screen will alternate between the total gallons used (Figure 1) and the current rate of water moving through the meter (Figure 2), in gallons per minute. The meter stores data at 15-minute intervals and calculates hourly flow totals. This 15-minute logging function allows the meter to identify possible intermittent or continuous water flow through the meter, which is indicated by a faucet icon (Figure 1). The daily flow total is then stored for a 96 day period and, at your request, can be downloaded and graphed by the Department to help you identify when the leak started and/or what time of day the leak condition is occurring. This information can only be downloaded if we are provided access to meter and cannot be downloaded remotely.

Figure 1	Figure 2

Below is a list of icons that can appear on the LCD, their meaning, and on the reverse side of this page, typical sources of household leaks. <u>By checking the meter display on a regular basis you can calculate your typical daily or weekly usage and potentially identify a leak condition before it significantly impacts your water bill</u>. By checking the water meter often you can get a better understanding of your household water consumption and help in our efforts to conserve water.

LIGHT SENSOR
Recessed under the small hole near the center of the faceplate of the E-Coder)R900*i*, supplies the power for the LCD panel (light activated) as well as the activation of the data logging extraction.

FLOW INDICATOR
Shows the direction of flow through the meter:
ON	Water in use.
OFF	Water not in use.
Flashing	Water is running slowly.
(-)	Reverse flow.
(+)	Forward flow.

LEAK INDICATOR
Displays a possible leak:
OFF	No leak indicated.
Flashing	Intermittent leak indicates that water has been used for at least 50 of the 96 15-minute intervals during a 24-hour period.
On Continuously	Indicates water use for all 96 15-minute intervals during a 24-hour period.

RATE OF FLOW
Average flow rate is displayed every six seconds on LCD display.

Common Causes of Leaks

If the leak indicator is flashing or continuously on, the E-Coder)R900*i* is indicating that a possible leak may exist. Leaks can result from various circumstances. To better help you identify a possible leak, the following table contains some common causes of leak problems that can occur.

Possible Leaks

Possible Cause of Leak	Intermittent Leak	Continuous Leak
Outside faucet, garden or sprinkler system leaking	✔	✔
Toilet valve not sealed properly	✔	✔
Toilet running		✔
Faucet in kitchen or bathrooms leaking	✔	✔
Ice maker leaking		✔
Soaker hose in use		✔
Leak between the water meter and the house		✔
Washing machine leaking	✔	✔
Dishwasher leaking	✔	✔
Hot water heater leaking		✔
Watering yard for more than eight hours	✔	✔
Continuous pet feeder		✔
Water-cooled air conditioner or heat pump	✔	✔
Filling a swimming pool		✔
Any continuous use of water for 24 hours		✔