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LELWD Installs Boxborough's First EV Charger

BOXBOROUGH, Mass. (August 9, 2021) – The Littleton Electric Light Department has installed the town's first electric vehicle charging station on public property at the Albert J. Sargent Memorial Library.

"Providing more charging infrastructure will help customers adopt electric vehicles and meet their energy goals." said James Karr, chairman of the Littleton Board of Light & Water Commissioners. "We thank the town of Boxborough and their Sustainability Committee for their support and look forward to working with them on more projects in the future."

The level 2 charging station provides moderate charging that uses 240 volts and can deliver power for 10-50 miles with a one-hour charge. The cost to charge an electric vehicle at an LELWD station is 12-cents per kilowatt hour and then \$2 per hour after the vehicle is fully charged. This results in a 4-cents per mile cost for an electric vehicle with a 3 mile per kwh efficiency. For comparison, it would cost almost 14-cents per mile for a gasoline vehicle that gets 22 miles per gallon when gas is costing \$3.00/gal.

An electric vehicle having a 50 kWh battery would cost about \$6 to "fill up" at an LELWD charger. Compared to a similar gasoline vehicle with a 14-gallon tank, it would cost around \$42 to fill, when gas prices are \$3.00.

Promoting the use of these charging stations and driving the adoption of electric vehicles helps the community and the Commonwealth meet its greenhouse gas reduction goals. LELWD's five public charging stations are listed on networks such as PlugShare.com, a website that helps EV drivers find charging stations nationwide. LELWD monitors its charging stations to measure environmental attributes and the electric vehicle programs effectiveness. The use of these stations has already helped prevent roughly 53,000 kg of greenhouse gas emissions and 10,976 gallons of gasoline.

LELWD's electric vehicle program began in 2019 as an outreach and education program with incentives to inform customers on the benefits of choosing an electric car. Since then, LELWD has 131 customers registered in the program. Electric vehicle customers have access to free public charging, rebates on home charging equipment,

and incentives for charging during off-peak hours. The program is continuing to develop to better serve customers interested in electric vehicles.

More information is available at www.lelwd.com/greenrewards/ev or by calling LELWD at 978-540-2222.

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From left to right: Connor Reardon, LELWD Energy Efficiency Engineer, Ivan Pagacik, LELWD Commissioner, Peishan Bartley, Library Director, Francie Nolde, Boxborough Sustainability Chair, James Karr, LELWD Commissioner, Nick Lawler, LELWD General Manager, and David Ketchen, LELWD Assistant General Manager.