



PRESS RELEASE

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ENEL X ENTERS U.S. PUBLIC TRANSIT ELECTRIFICATION MARKET WITH GRANTS TO SUPPORT FUTURE ELECTRIFICATION OF BUS FLEETS

- *Enel X is launching a suite of services in the U.S. to help public organizations such as transit authorities, municipalities and schools cost-effectively electrify bus transportation*
- *The grants represent Enel X's first public transportation electrification projects in the U.S. and will help electrify public bus fleets for the Massachusetts Bay Transportation Authority and Hopkinton Public School District in Massachusetts*

Boston, September 18, 2020 – [Enel X](#), the Enel Group's advanced energy services business line, today announced it has been awarded two grants by the Accelerating Clean Transportation Now (ACTNow) program through the Massachusetts Clean Energy Center (MassCEC). The grants will support the development of public transportation electrification in the Commonwealth and coincide with the company's entrance into public transit electrification in the U.S. with the launch of a portfolio of turnkey services, including e-bus infrastructure planning, procurement, energy supply and management, and software. With the grants Enel X will help develop an innovative approach to public transit fleet electrification planning which will provide the Massachusetts Bay Transportation Authority (MBTA) insights to optimally electrify a portion of their new fleet, and will support the electrification of a portion of Hopkinton Public School District's bus fleet.

"Enel X continues to be a leader in the electrification of transportation in the US, supporting utilities, businesses and consumers on their path towards zero emissions driving through our unmatched combination of industry expertise, software, and hardware. Today marks an important step forward in the expansion of our business to bring that same level of expertise and infrastructure to public mass transportation systems," said **Surya Panditi, Head of Enel X North America**. *"Massachusetts remains at the forefront of the energy transition and we look forward to progressing each of these projects to deliver turn-key zero emissions transportation solutions that meet sustainability goals and add economic value."*

Enel X will work with Microgrid Labs, Inc. (MGL), provider of EV modeling and optimization software, and the MBTA during the planning and development of a new bus depot to be located in Quincy, Mass. that will be capable of housing a fully-electric fleet of 120 buses and charging infrastructure, as part of the MBTA's broader plans to design facilities to serve a zero-emissions e-bus fleets. Enel X and MGL will provide an innovative electrification planning and analysis solution that will help inform the MBTA's electrification strategy and has the potential to be applied in other markets. The analysis will include insights regarding the optimal sizing of vehicle powertrain, battery, charging infrastructure, energy infrastructure including microgrids, as well as the development of an optimal charging strategy. In addition, Enel X, through its energy advisory services team, will develop an energy supply management strategy to maximize the financial benefits of the system, including evaluation of onsite distributed energy resources (DERs) like battery storage and the potential to earn revenue from enrolling the electric fleet and DERs in local managed charging and demand response programs.

Additionally, Enel X is expanding its partnership with Hopkinton Public School District to provide Hopkinton with two electric school buses and charging infrastructure, delivering clean transportation for the school district. Enel X will utilize its fully-networked, grid-responsive [smart charging technology](#) to enable Hopkinton Public School District to optimize charging sessions, thereby making a more efficient



use of resources, while also providing energy services to the grid. The project will demonstrate the importance of vehicle-grid integration by enabling the buses to serve as DERs and participate in utility programs, like demand response, aimed at helping to improve electric grid stability while also enabling the school district to decrease electricity costs and generate revenue from their participation in these programs. Currently, Enel X is constructing an integrated onsite solar and battery storage system at Marathon Elementary School in Hopkinton which is expected to begin operations by the end of 2020.

Today's news follows Enel X's [recent announcement](#) of a joint venture with AMP Capital for the development of electric public transportation infrastructure in the Americas. The joint venture was established to help accelerate Enel X's growth and leadership in the global electric public transportation sector in which it already manages 433 electric bus running across Santiago, Chile, and is building four new electro-terminals in Bogotá, Colombia, where almost 500 e-buses will be charged with renewable energy beginning in 2021.

Additionally, Enel North America, through its renewables business Enel Green Power North America, has been awarded a grant, also under ACTNow program, of 37,000 US dollars to support the development of an emissions-based carpooling program for Enel's 650-plus Massachusetts employees across its Boston and Andover offices. Enel is collaborating with Liftango, an enterprise carpooling application developer, to improve the accuracy of the application's calculations for CO₂ savings resulting from carpooling.

About Enel in North America

Enel is a multinational power company and a leading integrated player in the global power, gas and renewables markets. It is the largest European utility by market capitalization and ordinary EBITDA, and is present in over 30 countries worldwide, producing energy with over 88 GW of managed capacity. Enel distributes electricity through a network of over 2.2 million kilometers, and with over 73 million business and household end users globally, the Group has the largest customer base among its European peers. Enel's renewables arm Enel Green Power is the world's largest renewable private player, managing around 46 GW of wind, solar, geothermal and hydropower plants in Europe, the Americas, Africa, Asia and Oceania.

Enel operates in the US and Canada through two companies: Enel Green Power North America and Enel X North America. Enel Green Power North America is a leading owner and operator of renewable energy plants with a presence in 18 US states and one Canadian province. The company operates around 80 plants with a managed capacity of approximately 5.8 GW powered by wind, hydropower, geothermal and solar energy. Enel X in North America has around 4,500 business customers, spanning more than 35,000 sites, representing approximately \$10.5B in energy spend under management, approximately 4.7 GW of demand response capacity and over 70 battery storage projects that are operational and under contract. Enel X is revolutionizing the EV charging market with its smart charging solutions deploying around 60,000 charging stations in the US.

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About MassCEC

The Massachusetts Clean Energy Center (MassCEC) is dedicated to accelerating the success of clean energy technologies, companies, and projects in the Commonwealth—while creating high-quality jobs and long-term economic growth for the people of Massachusetts. Since its inception in 2009, MassCEC has helped clean energy companies grow, supported municipal clean energy projects, and invested in residential and commercial renewable energy installations creating a robust marketplace for innovative clean technology companies and service providers. Massachusetts Energy and Environmental Affairs Secretary Kathleen Theoharides chairs MassCEC's board of directors.