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Press Release

April 25, 2014

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IMMEDIATE

MTA Hosts Two-Year Vanadium Battery Demonstration Project at Energy Star-Certified Headquarters in Lower Manhattan

Installation to Test Use of Battery for Energy Management

The Metropolitan Transportation Authority (MTA) announced today that it will host a two-year demonstration of a vanadium battery module designed to help manage energy use at the MTA's headquarters in downtown Manhattan.

The project is a partnership between the New York State Energy Research and Development Authority (NYSERDA) and American Vanadium Corp., which is providing the vanadium battery called a CellCube™. The company markets and sells the CellCube™ Vanadium Flow Battery technology in North America.

The installation and implementation of the three battery CellCube™ modules are expected within the next 18 months. The project does not incur any installation or operating costs for the MTA, which is hosting the battery on a roof setback of its Energy Star-certified building at 2 Broadway. The battery will be owned and maintained by American Vanadium during the tryout.

CellCube™, which expects to use vanadium mined in North America, can discharge power loads starting at 10 kilowatts. The battery to be installed at MTA headquarters consists of three 30-kilowatt/130 kWh modules that can produce a total of 390kWh, or enough energy to power 15 to 30 American homes. It will help minimize demand charges and manage usage spikes to enable more efficient use of energy in the 1.6 million-square-foot office building.

The NYSERDA project will explore how such additional energy storage can be used in a large facility in New York City to reduce peak load. MTA New York City Transit's Office of Strategic Innovation and Technology is finalizing the hosting agreement, which is pending a structural and engineering study of the building and the battery's installation on a roof setback.