



## **Melrose Pump Station Energy Efficiency Upgrades**

The City of Melrose, an MWRA community, has seven sewer pump stations located throughout the city. An evaluation of the pumps stations in 2017 resulted in recommendations for energy upgrades and replacement of out-dated equipment. In 2022, the Melrose DPW applied for an Energy Efficiency/Clean Energy grant from the Massachusetts Department of Environmental Protection (MADEP) to make upgrades at two of the pump stations. A grant for \$19,833 was awarded to Melrose to purchase new, energy efficient equipment. The project included installation of variable frequency drives (VFDs) at the Upham St. and the Lynn Fells Parkway pump stations to regulate the speed of the pumps, thus reducing energy usage. NGRID provided a rebate of \$4,510 to compensate for an estimated reduction of over 18,000 kWh in energy usage once the VFDs are installed. The City will monitor energy usage for three years to confirm the energy savings from the project. This project was funded, in part, by the MADEP through the GAP III grant program.