

**HOUSE . . . . . No. 529**

---

**The Commonwealth of Massachusetts**

PRESENTED BY:

*Lenny Mirra*

*To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:*

The undersigned legislators and/or citizens respectfully petition for the adoption of the accompanying bill:

An Act relative to innovations in energy management technologies in regenerative braking for metro trains in the commonwealth.

PETITION OF:

NAME:	DISTRICT/ADDRESS:	DATE ADDED:
<i>Lenny Mirra</i>	<i>2nd Essex</i>	<i>2/16/2021</i>

**HOUSE . . . . . No. 529**

---

By Mr. Mirra of Georgetown, a petition (accompanied by bill, House, No. 529) of Lenny Mirra relative to innovations in energy management technologies in regenerative braking for metro trains in the Commonwealth. Economic Development and Emerging Technologies.

---

[SIMILAR MATTER FILED IN PREVIOUS SESSION  
SEE HOUSE, NO. 3699 OF 2019-2020.]

**The Commonwealth of Massachusetts**

\_\_\_\_\_  
**In the One Hundred and Ninety-Second General Court  
(2021-2022)**  
\_\_\_\_\_

An Act relative to innovations in energy management technologies in regenerative braking for metro trains in the commonwealth.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:*

1           SECTION 1. Chapter 40J of the General Laws, as appearing in the 2018 Official Edition,  
2 is hereby amended by inserting after section 4F the following new section:-

3           Section 4F ½. Funds shall be expended for grants or awards to support emerging  
4 technologies of innovations in energy management technologies, in regenerative braking for  
5 metro trains, administered by Massachusetts Technology Collaborative established by section 2  
6 of chapter 40J of the General Laws, and doing business as Innovation Institute at the MassTech  
7 Collaborative, Massachusetts Research Center Matching Fund; provided such awards or grants  
8 shall be leverage in accordance M.G.L Chapter 40J Section 4F and with participation of the  
9 Massachusetts Bay Transportation Authority to address energy use and greenhouse gas

10 reductions and with grants or awards from another State's nationally recognized research agency  
11 or a federal agency, but not limited to, the U.S Department of Defense, the U.S. Department of  
12 Energy, U. S. Department of Transportation, Sandia National Labs (SNL), New York State  
13 Energy Research and Development (NYSERDA), Lawrence Livermore (LLNL), Pacific  
14 Northwest National Lab, California Energy Commission (CEC) or the National Science  
15 Foundation