

**SENATE . . . . . No. 1632**

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The Commonwealth of Massachusetts

PRESENTED BY:

*James B. Eldridge*

*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 promoting the use of total energy impact analysis.

PETITION OF:

NAME:

*James B. Eldridge*

DISTRICT/ADDRESS:

*Middlesex and Worcester*

**SENATE . . . . . No. 1632**

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By Mr. Eldridge, a petition (accompanied by bill, Senate, No. 1632) of James B. Eldridge for legislation to promote the use of total energy impact analysis. State Administration and Regulatory Oversight.

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[SIMILAR MATTER FILED IN PREVIOUS SESSION  
SEE SENATE, NO. 1479 OF 2013-2014.]

**The Commonwealth of Massachusetts**

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**In the One Hundred and Eighty-Ninth General Court  
(2015-2016)**  
\_\_\_\_\_

An Act promoting the use of total energy impact analysis.

*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. Section 44M of chapter 149 of the General Laws, as appearing in the 2012  
2 Official Edition, is hereby amended by inserting after the definition of “energy system” the  
3 following definition:-

4 “Life-cycle energy analysis,” a simple comprehensive analysis, in understandable units,  
5 based on existing measurements of the total energy implications and consumption of resources  
6 across all domains, including water, electricity, transportation, gas waste and materials.

7 SECTION 2. Said section 44M of said chapter 149 is hereby further amended by  
8 inserting in line 20 after the words “life-cycle cost estimates” the following words:-

9 and a life-cycle energy analysis

10 SECTION 3. Said section 44M of said chapter 149 is hereby further amended by  
11 inserting in line 25 after the words “life-cycle cost estimates” the following words:-

12 and a life-cycle energy analysis

13 SECTION 4. Said section 44M of said chapter 149 is hereby further amended by  
14 inserting in line 26 after the words “cost estimates” the following words:-

15 and analysis

16 SECTION 5. Said section 44M of said chapter 149 is hereby further amended by  
17 inserting in line 31 after the words “cost estimates” the following words:-

18 and life-cycle energy analysis

19 SECTION 6. Notwithstanding the provisions of any general or special law to the  
20 contrary, state agencies required to conduct a life-cycle cost analysis of the construction of a new  
21 facility, or substantial renovation of an existing facility that includes the replacement of systems,  
22 components, and other building elements which affect energy or water consumption, and which  
23 is either owned or operated by the commonwealth, under Section 331 of Chapter 164 of the Acts  
24 of 1997, shall also conduct a regular and periodic life-cycle energy analysis that analyzes, in  
25 understandable units, based on existing measurements, the total energy implications and  
26 consumptions of resources across all domains, including water, electricity, transportation, gas,  
27 waste and materials. Such state agency shall use such analyses to establish benchmarks for total  
28 energy impacts with the goal of improving sustainability.

29 Each such state agency shall also include in the report required under Section 331(a)(iv)  
30 of Chapter 164 of the Acts of 1997 its compliance with the provisions of this section.

31           The division of capital planning and operations shall establish, by no later than January 1,  
32 2015, a methodology for use by agencies in assessing life-cycle energy consumption. The  
33 division of energy resources shall include the compliance record of all state agencies with the  
34 provisions of this section in its annual report to the general court under Section 331(c) of Chapter  
35 164 of the Acts of 1997.