

**SENATE . . . . . No. 1762**

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**The Commonwealth of Massachusetts**

PRESENTED BY:

***Benjamin B. Downing***

*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 energy storage systems.

PETITION OF:

| NAME:                      | DISTRICT/ADDRESS:                                 |
|----------------------------|---|
| <i>Benjamin B. Downing</i> | <i>Berkshire, Hampshire, Franklin and Hampden</i> |
| <i>Marjorie C. Decker</i>  | <i>25th Middlesex</i>                             |

**SENATE . . . . . No. 1762**

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By Mr. Downing, a petition (accompanied by bill, Senate, No. 1762) of Benjamin B. Downing and Marjorie C. Decker for legislation relative to energy storage systems. Telecommunications, Utilities and Energy.

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**The Commonwealth of Massachusetts**

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

An Act relative to energy storage systems.

*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 164 of the General Laws, as appearing in the 2014 Official Edition,  
2 is hereby amended by adding the following 3 sections:-

3           Section 146. (a) For purposes of the following two sections, “energy storage system”  
4 shall mean commercially available technology that is capable of absorbing energy, storing it for  
5 a period of time, and thereafter dispatching the energy. An energy storage system shall be cost  
6 effective and either reduce emissions of greenhouse gases, reduce demand for peak electrical  
7 generation, defer or substitute for an investment in generation, transmission, or distribution  
8 assets, or improve the reliable operation of the electrical transmission or distribution grid.

9           (b) An energy storage system shall do one or more of the following: (1) use mechanical,  
10 chemical, or thermal processes to store energy that was generated at one time for use at a later  
11 time; (2) store thermal energy for direct use for heating or cooling at a later time in a manner that  
12 avoids the need to use electricity at that later time; (3) use mechanical, chemical, or thermal

13 processes to store energy generated from renewable resources for use at a later time; or (4) use  
14 mechanical, chemical, or thermal processes to store energy generated from mechanical processes  
15 that would otherwise be wasted for delivery at a later time.

16 Section 147. (a) On or before December 31, 2015, the department of energy resources  
17 shall open a proceeding to determine appropriate targets, if any, for electric companies to procure  
18 viable and cost-effective energy storage systems to be achieved by January 1, 2020. As part of  
19 this proceeding, the department may consider a variety of possible policies to encourage the cost-  
20 effective deployment of energy storage systems, including refinement of existing procurement  
21 methods to properly value energy storage systems and using alternative compliance payments to  
22 develop pilot programs.

23 (b) The department shall adopt the procurement targets, if determined to be appropriate  
24 pursuant to paragraph (a), by July 1, 2016. The department shall reevaluate the procurement  
25 targets not less than once every three years.

26 Section 148. (a) By January 1, 2020, each electric company entity shall submit a report  
27 to the department demonstrating that it has complied with the energy storage system  
28 procurement targets and policies adopted by the department pursuant to section 147.

29 (b) Each electric company shall prudently plan for and procure resources that are  
30 adequate to meet its planning reserve margin and peak demand and operating reserves, sufficient  
31 to provide reliable electric service to its customers.