

By Mr. Timilty, a petition (accompanied by bill, Senate, No. 849) of Joseph F. Timilty and another for legislation to provide for the design and construction of a regional solid waste resource recovery demonstration plant. Natural Resources and Agriculture.

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The Commonwealth of Massachusetts

In the Year One Thousand Nine Hundred and Seventy-Three.

AN ACT PROVIDING FOR THE DESIGN AND CONSTRUCTION OF A REGIONAL SOLID WASTE RESOURCE RECOVERY DEMONSTRATION PLANT.

1 *Preamble:*

3 It is the determination of the General Court that:

3 1. increased recycling of Massachusetts post-consumer solid  
4 wastes will reduce the costs to the Massachusetts communities  
5 of collection and disposal of such wastes

6 2. increased recycling of Massachusetts post-consumer solid  
7 wastes will increase employment in, and the tax base of, the  
8 Commonwealth

9 3. increased recycling of Massachusetts post-consumer solid  
10 wastes will increase employment in, and the tax base of, the  
11 Commonwealth

12 3. increased recycling of Massachusetts post-consumer solid  
13 wastes will reduce the environmental damage, nuisance, and  
14 resource depletion associated with disposal of such wastes

15 4. a statewide system of recycling with a high rate of re-  
16 source recovery through centralized processing is practical  
17 and economic with presently available technology

18 5. the Solid Waste Management Report, May 15, 1972, Ray-  
19 theon Service Company, provides an extensive data base upon  
20 which a realistic State Master Plan can be developed.

21 The General Court of the Commonwealth of Massachusetts  
22 finds that the development of a regional demonstration plant

23 and investigations related to recovery of solid wastes which  
24 this Chapter provides for is both justifiable and necessary.

*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. *Definitions*

2 For the purpose of Sections one to six, inclusive, the follow-  
3 ing terms shall have the meanings, except where a different  
4 meaning is clearly apparent from the language or context, or  
5 where such construction is inconsistent with the manifest in-  
6 tention of the legislature.

7 "Recycling," means to pick up solid waste materials with  
8 the intention of taking these materials to a dealer, handler or  
9 consumer of solid waste materials, such that the materials will  
10 eventually be used in the production of new products.

11 2. "Consumer," of solid waste materials is a manufacturing  
12 company that uses solid waste materials as raw material in-  
13 puts to its manufacturing processes and/or burns non-recov-  
14 erable solid waste materials for the purpose of producing en-  
15 ergy.

16 3. "resource recovery plant," is a centralized facility which  
17 is totally or partially mechanized which takes in a commu-  
18 nity's solid waste materials after collection of these materials  
19 from the community and before disposal of these materials,  
20 which separates useful and valuable components from the mix-  
21 ture of solid waste materials and which passes on the useful  
22 and valuable components in such a way that these materials  
23 are eventually used in the production of new products.

24 4. "non-recoverable material" is the solid waste material  
25 which remains after useful and valuable components have been  
26 separated out from the original mix of solid waste materials  
27 entering a resource recovery plant.

28 5. "Massachusetts post-consumer solid waste materials," are  
29 the wastes which normally enter the waste stream of a Massa-  
30 chusetts community, and are a type which is normally collected  
31 and/or disposed of by a Massachusetts community.

32 6. "sanitary landfill," is a controlled method for ultimate  
33 disposal of solid waste on land which incorporates engineered

34 and tested procedures for such disposal.

35 7. "transfer station" is a centrally located facility serving a  
36 number of smaller communities which receives loose, collected  
37 solid waste, which compacts the waste into a high capacity  
38 vehicle for long hauling to a resource recovery plant.

39 8. "incinerator" is a facility which uses combustion to re-  
40 duce the weight and volume of solid waste prior to ultimate  
41 disposal which produces energy which may be used in certain  
42 circumstances to produce heat and/or electricity.

1 SECTION 2. *Resource Recovery Plant Design; Construction*

2 2.1 An investigation shall be made to determine the fol-  
3 lowing:

4 a) the most economic size for a regional solid waste resource  
5 recovery plant within the Commonwealth of Massachusetts

6 b) the design and cost for a demonstration resource recov-  
7 ery plant

8 c) the number required and locations for regional solid  
9 waste resource recovery plants and transfer stations within the  
10 Commonwealth

11 d) selection of one location for the demonstration resource  
12 recovery plant.

13 2.2 The results of the investigation carried out under Sec-  
14 tion 2.1 shall be reported to the General Court prior to  
15 Legislation to appropriate funds for construction and opera-  
16 tion of the demonstration resource recovery plant shall be pro-  
17 posed to the following session of the General Court. The dem-  
18 onstration resource recovery plant shall be placed in full-scale  
19 operation no later than March 1, 1976.

20 2.3 the demonstration plant shall be sold or leased to a  
21 private contractor one year after the date of the beginning of  
22 full-scale operation.

23 2.4 using the design for a resource recovery plant proven by  
24 the demonstration resource recovery plant, private contractors  
25 will be permitted to bid to construct similar plants at the loca-  
26 tions specified in Section 2.1.

1 SECTION 3. *Markets for Recovered Materials: Use of Non-*

## 2 *Recoverable Materials*

3 3.1 An investigation shall be made to determine the follow-  
4 ing:

5 a) the extent of present markets for recovered materials  
6 within the Commonwealth of Massachusetts.

7 b) the means of and costs of bringing additional consumers  
8 to the Commonwealth to use the materials generated by the  
9 resource recovery plants in Section 2.1.

10 c) the means of and costs of encouraging additional indus-  
11 trial use of recovered materials.

12 3.2 An investigation shall be made to determine the short  
13 and long run means for disposal of non-recoverable materials  
14 as follows:

15 a) use of sanitary landfills

16 b) use by private utilities as a means of energy for the pro-  
17 duction of steam

18 c) use by developing new sites for incinerators capable of  
19 producing steam without contributing to air pollution.

20 3.3 Investigate, where necessary, all other matters relative  
21 to the public collection and disposal of solid waste materials.

## 1 SECTION 4. *State Agency In Charge; Chief Administrator*

2 4.1 The Secretary of the Massachusetts Executive Office  
3 of Environmental Affairs, in this Section referred to as the  
4 Secretary, shall appoint, subject to the approval of the  
5 Governor, a chief administrator, who shall be responsible for  
6 the proper administration of the provisions of this Chapter,  
7 and said chief administrator shall work under the authority  
8 of the Executive Office of Environmental Affairs. The chief  
9 administrator shall, together with the Secretary, develop the  
10 **rules and regulations necessary to carry out the responsibilities**  
11 of said chief administrator under this Chapter.

12 4.2 The chief administrator shall appoint, subject to the  
13 approval of the Secretary, a chief engineer, two plant-design  
14 engineers, a marketing researcher, a transportation analyst,  
15 and a secretary. The members of the chief administrator's  
16 staff so appointed shall be responsible for carrying out the  
17 purposes of this Chapter.

1 SECTION 5. *Source of Revenue*

2 5.1 An appropriation of \$200,000.00 dollars shall be made  
3 from the General Fund for the fiscal year beginning July 1,  
4 1973, and ending June 30, 1974. Said appropriation shall be  
5 used to cover the costs of payment under, and administration  
6 of, this Chapter.

7 5.2 For fiscal years beginning on or after July 1, 1974, the  
8 funds needed to cover the necessary expenses of performing  
9 the responsibilities and provisions of this Chapter shall be  
10 appropriated from the General Fund.

1 SECTION 6. *Effective Date of This Chapter*

2 This Chapter, and all of its provisions, shall become effective  
3 July 1, 1973.

