

*Substituted for*  
HF 287  
4-6-95  
(P.1364)

SENATE FILE 247  
BY COMMITTEE ON NATURAL RESOURCES,  
ENVIRONMENT AND ENERGY

(SUCCESSOR TO SSB 72)

Passed Senate, Date 3/20/95 (P.721) Passed House, Date 4-11-95 (P.1439)  
Vote: Ayes 50 Nays 0 Vote: Ayes 96 Nays 1  
Approved April 24, 1995

A BILL FOR

1 An Act relating to plastic garbage can liners with recycled  
2 content.

3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

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1 Section 1. Section 18.18, Code 1995, is amended to read as  
2 follows:

3 18.18 STATE PURCHASES -- RECYCLED PRODUCTS -- STARCH-BASED  
4 PLASTICS-AND SOYBEAN-BASED INKS.

5 1. When purchasing paper products, the department of  
6 ~~general-services~~ shall, when the price is reasonably  
7 competitive and the quality as intended, purchase the recycled  
8 product. The department of ~~general-services~~ shall also  
9 purchase, when the price is reasonably competitive and the  
10 quality as intended, and in keeping with the schedule  
11 established in this subsection, soybean-based inks and starch-  
12 ~~based-plastics~~, plastic products with recycled content  
13 including but not limited to starch-based plastic garbage can  
14 liners.

15 a. By July 1, ~~1989, a minimum of fifty~~ 1991, one hundred  
16 percent of the purchases of inks which are used for newsprint  
17 printing services performed internally or contracted for by  
18 the department of ~~general-services~~ shall be soybean-based.  
19 ~~The percentage of purchases by the department of soybean-based~~  
20 ~~inks used for newsprint printing services shall increase by~~  
21 ~~July 1, 1991, to one hundred percent of the total purchases of~~  
22 ~~inks used for newsprint printing services.~~

23 b. By July 1, ~~1991, a minimum of twenty-five~~ 1993, one  
24 hundred percent of the purchases of inks, other than inks  
25 which are used for newsprint printing services, and which are  
26 used internally or contracted for by the department of ~~general~~  
27 ~~services~~, shall be soybean-based to the extent formulations  
28 for such inks are available. ~~The percentage of purchases by~~  
29 ~~the department of the soybean-based inks, to the extent~~  
30 ~~formulations for such inks are available, shall increase by~~  
31 ~~July 1, 1992, to fifty percent of the total purchases of the~~  
32 ~~inks, and shall increase by July 1, 1993, to one hundred~~  
33 ~~percent of the total purchases of the inks.~~

34 c. By ~~July 1, 1989, a minimum of fifteen percent of the~~  
35 ~~purchases of garbage can liners made by the department of~~

1 ~~general services shall be starch-based plastic garbage can~~  
2 ~~liners. The percentage purchased shall increase by five~~  
3 ~~percent annually until fifty percent of the purchases of~~  
4 ~~garbage can liners are purchases of starch-based plastic~~  
5 ~~garbage can liners. By July 1, 1995, a minimum of ten percent~~  
6 ~~of the purchases of garbage can liners made by the department~~  
7 ~~shall be plastic garbage can liners with recycled content.~~  
8 ~~The percentage shall increase by ten percent annually until~~  
9 ~~fifty percent of the purchases of garbage can liners are~~  
10 ~~plastic garbage can liners with recycled content.~~

11 d. The department of ~~general services~~ shall report to the  
12 general assembly on February 1 of each year the following:

13 (1) ~~Plastic A listing of plastic products which are~~  
14 regularly purchased by the department of ~~general services~~ and  
15 other state agencies for which ~~starch-based recycled content~~  
16 product alternatives are available. ~~The report shall also~~  
17 ~~include, including the cost of the plastic products purchased~~  
18 and the cost of the ~~starch-based recycled content~~ product  
19 alternatives.

20 (2) Information relating to soybean-based inks and ~~starch-~~  
21 ~~based plastic garbage can liners with recycled content~~  
22 regularly purchased by the department and other state  
23 agencies. ~~The report shall include, including the cost of~~  
24 purchasing soybean-based inks and ~~starch-based plastic~~ garbage  
25 can liners, ~~with recycled content and the percentage of inks~~  
26 ~~purchased which are soybean-based and the percentage of liners~~  
27 ~~purchased which are starch-based percentages of soybean-based~~  
28 ~~inks and plastic garbage can liners with recycled content that~~  
29 ~~have been purchased.~~

30 e. For purposes of this section "recycled content" means  
31 that the content of the product contains a minimum of thirty  
32 percent postconsumer material.

33 2. a. As used in this subsection, unless the context  
34 otherwise requires:

35 (1) "Recycled paper" means a paper product with not less

1 than fifty percent of its total weight consisting of secondary  
2 and postconsumer material. At least ten percent of the total  
3 weight of recycled paper shall be postconsumer materials.

4 (2) "Postconsumer material" means only those products  
5 generated by a business or consumer which have served their  
6 intended end uses, and which have been separated or diverted  
7 from solid waste for the purposes of collection, recycling,  
8 and disposition. Postconsumer material does not include  
9 manufacturing wastes.

10 (3) "Secondary material" means fragments of finished  
11 products or finished products of a manufacturing process which  
12 has converted a resource into a commodity of real economic  
13 value, and includes postconsumer material but does not include  
14 excess virgin resources of the manufacturing process.

15 b. The department, in conjunction with recommendations  
16 made by the department of natural resources, shall purchase  
17 and use recycled printing and writing paper so that ~~twenty-~~  
18 ~~five-percent-by-January-17-1990,~~ fifty percent by January 1,  
19 1992, seventy-five percent by January 1, 1996, and ninety  
20 percent by January 1, 2000, of the volume of printing and  
21 writing paper purchased is recycled paper.

22 c. The department shall adopt standards for the allowable  
23 content of postconsumer and secondary material of recycled  
24 paper which shall conform with but may be more stringent than  
25 the American society for testing and materials standards.

26 d. The department shall establish a prioritization  
27 procedure for the purchase of recycled paper which provides  
28 for a five percent differential in the cost of the purchase of  
29 paper which has been recycled through the use of a  
30 nonchlorinated process.

31 e. If a provision under this subsection results in the  
32 limitation of sources for the purchase of printing and writing  
33 paper to three or fewer sources, the department may waive the  
34 requirement in order to purchase necessary amounts of printing  
35 and writing paper.

1 f. The department of general services, in conjunction with  
2 the department of natural resources, shall review the  
3 availability of a higher percentage content of postconsumer  
4 content printing and writing paper and shall, by rule, adjust  
5 the percentage requirement accordingly.

6 g. Notwithstanding the requirements of this subsection  
7 regarding the purchase of recycled paper, the department shall  
8 purchase acid-free permanent paper in the amount necessary for  
9 the production or reproduction of documents, papers, or  
10 similar materials produced or reproduced for permanent  
11 preservation pursuant to law.

12 3. The department of general services, in conjunction with  
13 the department of natural resources, shall review the  
14 procurement specifications currently used by the state to  
15 eliminate, wherever possible, discrimination against the  
16 procurement of products manufactured with recovered materials,  
17 ~~starch-based-plastics~~, and soybean-based inks.

18 4. The department of natural resources shall assist the  
19 department of general services in locating suppliers of  
20 recycled products, ~~starch-based-plastics~~, and soybean-based  
21 inks and collecting data on recycled content, ~~starch-based~~  
22 ~~plastic~~, and soybean-based ink purchases.

23 5. Information on recycled content shall be requested on  
24 all bids for paper products issued by the state and on other  
25 bids for products which could have recycled content such as  
26 oil, plastic products, including but not limited to starch-  
27 based plastic products, compost materials, aggregate,  
28 solvents, soybean-based inks, and rubber products.

29 6. The department of general services, in conjunction with  
30 the department of natural resources, shall adopt rules and  
31 regulations to carry out the provisions of this section.

32 7. All state agencies shall fully cooperate with the  
33 departments of general services and natural resources in all  
34 phases of implementing this section.

35 8. The department of ~~general services~~, by January 1, 1993,

1 shall seek an agreement with the agencies of the states of  
2 Minnesota and Wisconsin authorized to purchase general use  
3 items for state agencies, to provide for the cooperative  
4 purchase of recycled products.

5 9. The department shall, whenever technically feasible,  
6 shall purchase and use degradable loose foam packing material  
7 manufactured from grain starches or other renewable resources,  
8 unless the cost of the packing material is more than ten  
9 percent greater than the cost of packing material made from  
10 nonrenewable resources. For the purposes of this subsection,  
11 "packing material" means material, other than an exterior  
12 packing shell, that is used to stabilize, protect, cushion, or  
13 brace the contents of a package.

14 Sec. 2. Section 216B.3, subsection 12, Code 1995, is  
15 amended to read as follows:

16 12. Manage and control the property, both real and  
17 personal, belonging to the department. The commission shall,  
18 according to the schedule established in this subsection, when  
19 the price is reasonably competitive and the quality as  
20 intended, purchase soybean-based inks and starch-based  
21 plastics plastic products with recycled content, including but  
22 not limited to starch-based plastic garbage can liners. For  
23 purposes of this subsection, "recycled content" means that the  
24 content of the product contains a minimum of thirty percent  
25 postconsumer material.

26 a. By July 1, ~~1989~~, a minimum of fifty 1991, one hundred  
27 percent of the purchases of inks which are used for newsprint  
28 paper for printing services performed internally or contracted  
29 for by the commission shall be soybean-based. ~~The percentage~~  
30 ~~of purchases by the commission of soybean-based inks used for~~  
31 ~~newsprint printing services shall increase by July 1, 1991, to~~  
32 ~~one hundred percent of the total purchases of inks used for~~  
33 ~~newsprint printing services.~~

34 b. ~~By July 1, 1989, a minimum of fifteen percent of the~~  
35 ~~purchases of garbage can liners made by the commission shall~~

1 ~~be starch-based plastic garbage can liners.---The percentage~~  
 2 ~~purchased shall increase by five percent annually until fifty~~  
 3 ~~percent of the purchases of garbage can liners are purchases~~  
 4 ~~of starch-based plastic garbage can liners. By July 1, 1995,~~  
 5 a minimum of ten percent of the purchases of garbage can  
 6 liners made by the commission shall be plastic garbage can  
 7 liners with recycled content. The percentage purchased shall  
 8 increase by ten percent annually until fifty percent of the  
 9 purchases of garbage can liners are plastic garbage can liners  
 10 with recycled content.

11 c. By July 1, ~~1991, a minimum of twenty-five~~ 1993, one  
 12 hundred percent of the purchases of inks, other than inks  
 13 which are used for newsprint printing services, and which are  
 14 used internally or contracted for by the commission, shall be  
 15 soybean-based to the extent formulations for such inks are  
 16 available. ~~The percentage of purchases by the commission of~~  
 17 ~~the soybean-based inks, to the extent formulations for such~~  
 18 ~~inks are available, shall increase by July 1, 1992, to fifty~~  
 19 ~~percent of the total purchases of the inks, and shall increase~~  
 20 ~~by July 1, 1993, to one hundred percent of the total purchases~~  
 21 ~~of the inks.~~

22 d. The commission shall report to the general assembly on  
 23 February 1 of each year, the following:

24 (1) Plastic A listing of plastic products which are  
 25 regularly purchased by the commission for which starch-based  
 26 recycled content product alternatives are available.---~~The~~  
 27 ~~report shall also include, including~~ the cost of the plastic  
 28 products purchased and the cost of the starch-based recycled  
 29 content product alternatives.

30 (2) Information relating to soybean-based inks and starch-  
 31 based plastic garbage can liners with recycled content  
 32 regularly purchased by the commission.---~~The report shall~~  
 33 ~~include, including~~ the cost of purchasing soybean-based inks  
 34 and starch-based plastic garbage can liners, with recycled  
 35 content and the percentage of inks purchased which are

1 ~~soybean-based-and-the-percentage-of-liners-purchased-which-are~~  
2 ~~starch-based~~ percentages of soybean-based inks and plastic  
3 garbage can liners with recycled content that have been  
4 purchased.

5 e. The department of natural resources shall review the  
6 procurement specifications currently used by the commission to  
7 eliminate, wherever possible, discrimination against the  
8 procurement of products manufactured with starch-based  
9 plastics recycled content and soybean-based inks.

10 f. The department of natural resources shall assist the  
11 commission in locating suppliers of ~~starch-based-plastics~~  
12 products with recycled content and soybean-based inks, and  
13 collecting data on recycled content, ~~starch-based-plastic,~~ and  
14 soybean-based ink purchases.

15 g. The commission, in conjunction with the department of  
16 natural resources, shall adopt rules to carry out the  
17 provisions of this section.

18 h. The department of natural resources shall cooperate  
19 with the commission in all phases of implementing this  
20 section.

21 Sec. 3. Section 262.9, subsection 4, Code 1995, is amended  
22 to read as follows:

23 4. Manage and control the property, both real and  
24 personal, belonging to the institutions. The board shall  
25 purchase or require the purchase of, when the price is  
26 reasonably competitive and the quality as intended, and in  
27 keeping with the schedule established in this subsection,  
28 soybean-based inks and ~~starch-based-plastics~~ plastic products  
29 with recycled content, including but not limited to starch-  
30 based plastic garbage can liners. For purposes of this  
31 subsection, "recycled content" means that the content of the  
32 product contains a minimum of thirty percent postconsumer  
33 material.

34 a. All inks purchased that are used internally or  
35 contracted for by the board shall be soybean-based to the

1 extent formulations for such inks are available.

2 b. ~~By July 1, 1989, a minimum of fifteen percent of the~~  
3 ~~purchases of garbage can liners made by the board shall be~~  
4 ~~starch-based plastic garbage can liners. The percentage~~  
5 ~~purchased shall increase by five percent annually until fifty~~  
6 ~~percent of the purchases of garbage can liners are purchases~~  
7 ~~of starch-based plastic garbage can liners. By July 1, 1995,~~  
8 a minimum of ten percent of the purchases of garbage can  
9 liners made by the board shall be plastic garbage can liners  
10 with recycled content. The percentage shall increase by ten  
11 percent annually until fifty percent of the purchases of  
12 garbage can liners are plastic garbage can liners with  
13 recycled content.

14 c. The board shall report to the general assembly on  
15 February 1 of each year, the following:

16 (1) Plastic A listing of plastic products which are  
17 regularly purchased by the board for which starch-based  
18 recycled content product alternatives are available. The  
19 report shall also include, including the cost of the plastic  
20 products purchased and the cost of the starch-based recycled  
21 content product alternatives.

22 (2) Information relating to soybean-based inks and starch-  
23 based plastic garbage can liners regularly purchased by the  
24 board. The report shall include, including the cost of  
25 purchasing soybean-based inks and starch-based plastic garbage  
26 can liners, with recycled content and the percentage of inks  
27 purchased which are soybean-based and the percentage of liners  
28 purchased which are starch-based percentages of soybean-based  
29 inks and plastic garbage can liners with recycled content that  
30 have been purchased.

31 d. The department of natural resources shall review the  
32 procurement specifications currently used by the board to  
33 eliminate, wherever possible, discrimination against the  
34 procurement of products manufactured with starch-based  
35 ~~plastics and soybean-based inks.~~

1 e. The department of natural resources shall assist the  
2 board in locating suppliers of starch-based-plastics recycled  
3 content products and soybean-based inks and collecting data on  
4 starch-based-plastic recycled content and soybean-based ink  
5 purchases.

6 f. The board, in conjunction with the department of  
7 natural resources, shall adopt rules to carry out the  
8 provisions of this section.

9 g. The department of natural resources shall cooperate  
10 with the board in all phases of implementing this section.

11 Sec. 4. Section 307.21, subsection 4, paragraphs a and c,  
12 Code 1995, are amended to read as follows:

13 a. Provide centralized purchasing services for the  
14 department, in co-operation with the department of general  
15 services. The administrator shall, when the price is  
16 reasonably competitive and the quality as intended, purchase  
17 soybean-based inks and starch-based-plastics plastic products  
18 with recycled content, including but not limited to starch-  
19 based plastic garbage can liners, and shall purchase these  
20 items in accordance with the schedule established in section  
21 18.18. However, the administrator need not purchase garbage  
22 can liners in accordance with the schedule if the liners are  
23 utilized by a facility approved by the environmental  
24 protection commission created under section 455A.6, for  
25 purposes of recycling. For purposes of this subsection,  
26 "recycled content" means that the content of the product  
27 contains a minimum of thirty percent postconsumer material.

28 c. The department shall report to the general assembly by  
29 February 1 of each year, the following:

30 (1) Plastic A listing of plastic products which are  
31 regularly purchased by the board for which starch-based  
32 recycled content product alternatives are available:--~~The~~  
33 ~~report shall also include,~~ including the cost of the plastic  
34 products purchased and the cost of the starch-based recycled  
35 content product alternatives.

1 (2) Information relating to soybean-based inks and starch-  
2 based plastic garbage can liners with recycled content  
3 regularly purchased by the department.--~~The report shall~~  
4 include, including the cost of purchasing soybean-based inks  
5 and starch-based plastic garbage can liners with recycled  
6 content, ~~the percentage of inks purchased which are soybean-~~  
7 ~~based and the percentage of liners purchased which are starch-~~  
8 based and the percentages of soybean-based inks and plastic  
9 garbage can liners with recycled content that have been  
10 purchased.

11 EXPLANATION

12 This bill removes a requirement that state agencies,  
13 including the state board of regents, purchase a minimum  
14 percentage of starch-based garbage can liners and instead  
15 requires that by July 1, 1995, a minimum of 10 percent of the  
16 purchases of garbage can liners shall be plastic garbage can  
17 liners with recycled content. The percentage required to be  
18 purchased increases by 10 percent annually until 50 percent of  
19 the purchases of garbage can liners are plastic garbage can  
20 liners with recycled content. The bill defines "recycled  
21 content" to mean that a minimum of 30 percent of the content  
22 of the product consists of postconsumer material. The bill  
23 amends provisions which direct the department of general  
24 services, the department for the blind, the state board of  
25 regents, and the state department of transportation to comply  
26 with the directive.

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Fink - Chair  
Black  
Lundby

SSB-72  
Natural Resource  
Environment & Energy  
Succeeded By  
SF/HF 247  
SENATE/HOUSE FILE \_\_\_\_\_  
BY (PROPOSED DEPARTMENT OF  
NATURAL RESOURCES BILL)

Passed Senate, Date \_\_\_\_\_ Passed House, Date \_\_\_\_\_  
Vote: Ayes \_\_\_\_\_ Nays \_\_\_\_\_ Vote: Ayes \_\_\_\_\_ Nays \_\_\_\_\_  
Approved \_\_\_\_\_

**A BILL FOR**

1 An Act relating to plastic garbage can liners with recycled  
2 content.  
3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:  
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1 Section 1. Section 18.18, Code 1995, is amended to read as  
2 follows:

3 18.18 STATE PURCHASES -- RECYCLED PRODUCTS -- STARCH-BASED  
4 PLASTICS-AND SOYBEAN-BASED INKS.

5 1. When purchasing paper products, the department of  
6 general-services shall, when the price is reasonably  
7 competitive and the quality as intended, purchase the recycled  
8 product. The department of-general-services shall also  
9 purchase, when the price is reasonably competitive and the  
10 quality as intended, and in keeping with the schedule  
11 established in this subsection, soybean-based inks and starch-  
12 based-plastics, plastic products with recycled content  
13 including but not limited to starch-based plastic garbage can  
14 liners.

15 a. By July 1, ~~1989, a minimum of fifty~~ 1991, one hundred  
16 percent of the purchases of inks which are used for newsprint  
17 printing services performed internally or contracted for by  
18 the department of-general-services shall be soybean-based.  
19 ~~The percentage of purchases by the department of soybean-based~~  
20 ~~inks used for newsprint printing services shall increase by~~  
21 ~~July 1, 1991, to one hundred percent of the total purchases of~~  
22 ~~inks used for newsprint printing services.~~

23 b. By July 1, ~~1991, a minimum of twenty-five~~ 1993, one  
24 hundred percent of the purchases of inks, other than inks  
25 which are used for newsprint printing services, and which are  
26 used internally or contracted for by the department of-general  
27 services, shall be soybean-based to the extent formulations  
28 for such inks are available. ~~The percentage of purchases by~~  
29 ~~the department of the soybean-based inks, to the extent~~  
30 ~~formulations for such inks are available, shall increase by~~  
31 ~~July 1, 1992, to fifty percent of the total purchases of the~~  
32 ~~inks, and shall increase by July 1, 1993, to one hundred~~  
33 ~~percent of the total purchases of the inks.~~

34 c. By ~~July 1, 1989, a minimum of fifteen percent of the~~  
35 ~~purchases of garbage can liners made by the department of~~

1 ~~general services shall be starch-based plastic garbage can~~  
2 ~~liners.--The percentage purchased shall increase by five~~  
3 ~~percent annually until fifty percent of the purchases of~~  
4 ~~garbage can liners are purchases of starch-based plastic~~  
5 ~~garbage can liners.~~ By July 1, 1995, a minimum of ten percent  
6 of the purchases of garbage can liners made by the department  
7 shall be plastic garbage can liners with recycled content.  
8 The percentage shall increase by ten percent annually until  
9 fifty percent of the purchases of garbage can liners are  
10 plastic garbage can liners with recycled content.

11 d. The department ~~of general services~~ shall report to the  
12 general assembly on February 1 of each year the following:

13 (1) ~~Plastic A listing of plastic products which are~~  
14 ~~regularly purchased by the department of general services and~~  
15 ~~other state agencies for which starch-based recycled content~~  
16 ~~product alternatives are available.--The report shall also~~  
17 ~~include, including the cost of the plastic products purchased~~  
18 ~~and the cost of the starch-based recycled content product~~  
19 ~~alternatives.~~

20 (2) Information relating to soybean-based inks and starch-  
21 based plastic garbage can liners with recycled content  
22 regularly purchased by the department and other state  
23 agencies.--The report shall include, including the cost of  
24 purchasing soybean-based inks and starch-based plastic garbage  
25 can liners, with recycled content and the percentage of inks  
26 purchased which are soybean-based and the percentage of liners  
27 purchased which are starch-based percentages of soybean-based  
28 inks and plastic garbage can liners with recycled content that  
29 have been purchased.

30 e. For purposes of this section "recycled content" means  
31 that the content of the product contains a minimum of thirty  
32 percent postconsumer material.

33 2. a. As used in this subsection, unless the context  
34 otherwise requires:

35 (1) "Recycled paper" means a paper product with not less

1 than fifty percent of its total weight consisting of secondary  
2 and postconsumer material. At least ten percent of the total  
3 weight of recycled paper shall be postconsumer materials.

4 (2) "Postconsumer material" means only those products  
5 generated by a business or consumer which have served their  
6 intended end uses, and which have been separated or diverted  
7 from solid waste for the purposes of collection, recycling,  
8 and disposition. Postconsumer material does not include  
9 manufacturing wastes.

10 (3) "Secondary material" means fragments of finished  
11 products or finished products of a manufacturing process which  
12 has converted a resource into a commodity of real economic  
13 value, and includes postconsumer material but does not include  
14 excess virgin resources of the manufacturing process.

15 b. The department, in conjunction with recommendations  
16 made by the department of natural resources, shall purchase  
17 and use recycled printing and writing paper so that twenty-  
18 ~~five percent by January 1, 1990~~, fifty percent by January 1,  
19 1992, seventy-five percent by January 1, 1996, and ninety  
20 percent by January 1, 2000, of the volume of printing and  
21 writing paper purchased is recycled paper.

22 c. The department shall adopt standards for the allowable  
23 content of postconsumer and secondary material of recycled  
24 paper which shall conform with but may be more stringent than  
25 the American society for testing and materials standards.

26 d. The department shall establish a prioritization  
27 procedure for the purchase of recycled paper which provides  
28 for a five percent differential in the cost of the purchase of  
29 paper which has been recycled through the use of a  
30 nonchlorinated process.

31 e. If a provision under this subsection results in the  
32 limitation of sources for the purchase of printing and writing  
33 paper to three or fewer sources, the department may waive the  
34 requirement in order to purchase necessary amounts of printing  
35 and writing paper.

1 f. The department of general services, in conjunction with  
2 the department of natural resources, shall review the  
3 availability of a higher percentage content of postconsumer  
4 content printing and writing paper and shall, by rule, adjust  
5 the percentage requirement accordingly.

6 g. Notwithstanding the requirements of this subsection  
7 regarding the purchase of recycled paper, the department shall  
8 purchase acid-free permanent paper in the amount necessary for  
9 the production or reproduction of documents, papers, or  
10 similar materials produced or reproduced for permanent  
11 preservation pursuant to law.

12 3. The department of general services, in conjunction with  
13 the department of natural resources, shall review the  
14 procurement specifications currently used by the state to  
15 eliminate, wherever possible, discrimination against the  
16 procurement of products manufactured with recovered materials,  
17 ~~starch-based-plastics~~, and soybean-based inks.

18 4. The department of natural resources shall assist the  
19 department of general services in locating suppliers of  
20 recycled products,~~starch-based-plastics~~, and soybean-based  
21 inks and collecting data on recycled content,~~starch-based~~  
22 ~~plastic~~ and soybean-based ink purchases.

23 5. Information on recycled content shall be requested on  
24 all bids for paper products issued by the state and on other  
25 bids for products which could have recycled content such as  
26 oil, plastic products, including but not limited to starch-  
27 based plastic products, compost materials, aggregate,  
28 solvents, soybean-based inks, and rubber products.

29 6. The department of general services, in conjunction with  
30 the department of natural resources, shall adopt rules and  
31 regulations to carry out the provisions of this section.

32 7. All state agencies shall fully cooperate with the  
33 departments of general services and natural resources in all  
34 phases of implementing this section.

35 8. The department ~~of-general-services~~, by January 1, 1993,

1 shall seek an agreement with the agencies of the states of  
2 Minnesota and Wisconsin authorized to purchase general use  
3 items for state agencies, to provide for the cooperative  
4 purchase of recycled products.

5 9. The department ~~shall~~, whenever technically feasible,  
6 shall purchase and use degradable loose foam packing material  
7 manufactured from grain starches or other renewable resources,  
8 unless the cost of the packing material is more than ten  
9 percent greater than the cost of packing material made from  
10 nonrenewable resources. For the purposes of this subsection,  
11 "packing material" means material, other than an exterior  
12 packing shell, that is used to stabilize, protect, cushion, or  
13 brace the contents of a package.

14 Sec. 2. Section 216B.3, subsection 12, Code 1995, is  
15 amended to read as follows:

16 12. Manage and control the property, both real and  
17 personal, belonging to the department. The commission shall,  
18 according to the schedule established in this subsection, when  
19 the price is reasonably competitive and the quality as  
20 intended, purchase soybean-based inks and ~~starch-based~~  
21 plastics plastic products with recycled content, including but  
22 not limited to ~~starch-based~~ plastic garbage can liners. For  
23 purposes of this subsection, "recycled content" means that the  
24 content of the product contains a minimum of thirty percent  
25 postconsumer material.

26 a. ~~By July 1, 1989, a minimum of fifty~~ 1991, one hundred  
27 percent of the purchases of inks which are used for newsprint  
28 paper for printing services performed internally or contracted  
29 for by the commission shall be soybean-based. ~~The percentage~~  
30 ~~of purchases by the commission of soybean-based inks used for~~  
31 ~~newsprint printing services shall increase by July 1, 1991, to~~  
32 ~~one hundred percent of the total purchases of inks used for~~  
33 ~~newsprint printing services.~~

34 b. ~~By July 1, 1989, a minimum of fifteen percent of the~~  
35 ~~purchases of garbage can liners made by the commission shall~~

1 ~~be starch-based plastic garbage can liners. The percentage~~  
 2 ~~purchased shall increase by five percent annually until fifty~~  
 3 ~~percent of the purchases of garbage can liners are purchases~~  
 4 ~~of starch-based plastic garbage can liners. By July 1, 1995,~~  
 5 a minimum of ten percent of the purchases of garbage can  
 6 liners made by the commission shall be plastic garbage can  
 7 liners with recycled content. The percentage purchased shall  
 8 increase by ten percent annually until fifty percent of the  
 9 purchases of garbage can liners are plastic garbage can liners  
 10 with recycled content.

11 c. ~~By July 1, 1991, a minimum of twenty-five~~ 1993, one  
 12 hundred percent of the purchases of inks, other than inks  
 13 which are used for newsprint printing services, and which are  
 14 used internally or contracted for by the commission, shall be  
 15 soybean-based to the extent formulations for such inks are  
 16 available. ~~The percentage of purchases by the commission of~~  
 17 ~~the soybean-based inks, to the extent formulations for such~~  
 18 ~~inks are available, shall increase by July 1, 1992, to fifty~~  
 19 ~~percent of the total purchases of the inks, and shall increase~~  
 20 ~~by July 1, 1993, to one hundred percent of the total purchases~~  
 21 ~~of the inks.~~

22 d. The commission shall report to the general assembly on  
 23 February 1 of each year, the following:

24 (1) Plastic A listing of plastic products which are  
 25 regularly purchased by the commission for which starch-based  
 26 recycled content product alternatives are available. ~~The~~  
 27 ~~report shall also include, including~~ the cost of the plastic  
 28 products purchased and the cost of the starch-based recycled  
 29 content product alternatives.

30 (2) Information relating to soybean-based inks and starch-  
 31 based plastic garbage can liners with recycled content  
 32 regularly purchased by the commission. ~~The report shall~~  
 33 ~~include, including~~ the cost of purchasing soybean-based inks  
 34 and starch-based plastic garbage can liners, with recycled  
 35 content and the percentage of inks purchased which are

1 ~~soybean-based-and-the-percentage-of-liners-purchased-which-are~~  
2 ~~starch-based percentages of soybean-based inks and plastic~~  
3 ~~garbage can liners with recycled content that have been~~  
4 ~~purchased.~~

5 e. The department of natural resources shall review the  
6 procurement specifications currently used by the commission to  
7 eliminate, wherever possible, discrimination against the  
8 procurement of products manufactured with starch-based  
9 plastics recycled content and soybean-based inks.

10 f. The department of natural resources shall assist the  
11 commission in locating suppliers of ~~starch-based-plastics~~  
12 products with recycled content and soybean-based inks, and  
13 collecting data on recycled content, ~~starch-based-plastic,~~ and  
14 soybean-based ink purchases.

15 g. The commission, in conjunction with the department of  
16 natural resources, shall adopt rules to carry out the  
17 provisions of this section.

18 h. The department of natural resources shall cooperate  
19 with the commission in all phases of implementing this  
20 section.

21 Sec. 3. Section 262.9, subsection 4, Code 1995, is amended  
22 to read as follows:

23 4. Manage and control the property, both real and  
24 personal, belonging to the institutions. The board shall  
25 purchase or require the purchase of, when the price is  
26 reasonably competitive and the quality as intended, and in  
27 keeping with the schedule established in this subsection,  
28 soybean-based inks and ~~starch-based-plastics~~ plastic products  
29 with recycled content, including but not limited to starch-  
30 based plastic garbage can liners. For purposes of this  
31 subsection, "recycled content" means that the content of the  
32 product contains a minimum of thirty percent postconsumer  
33 material.

34 a. All inks purchased that are used internally or  
35 contracted for by the board shall be soybean-based to the

1 extent formulations for such inks are available.

2 b. ~~By July 17, 1989, a minimum of fifteen percent of the~~  
3 ~~purchases of garbage can liners made by the board shall be~~  
4 ~~starch-based plastic garbage can liners. The percentage~~  
5 ~~purchased shall increase by five percent annually until fifty~~  
6 ~~percent of the purchases of garbage can liners are purchases~~  
7 ~~of starch-based plastic garbage can liners. By July 1, 1995,~~  
8 a minimum of ten percent of the purchases of garbage can  
9 liners made by the board shall be plastic garbage can liners  
10 with recycled content. The percentage shall increase by ten  
11 percent annually until fifty percent of the purchases of  
12 garbage can liners are plastic garbage can liners with  
13 recycled content.

14 c. The board shall report to the general assembly on  
15 February 1 of each year, the following:

16 (1) Plastic A listing of plastic products which are  
17 regularly purchased by the board for which starch-based  
18 recycled content product alternatives are available. The  
19 report shall also include, including the cost of the plastic  
20 products purchased and the cost of the starch-based recycled  
21 content product alternatives.

22 (2) Information relating to soybean-based inks and starch-  
23 based plastic garbage can liners regularly purchased by the  
24 board. The report shall include, including the cost of  
25 purchasing soybean-based inks and starch-based plastic garbage  
26 can liners, with recycled content and the percentage of inks  
27 purchased which are soybean-based and the percentage of liners  
28 purchased which are starch-based percentages of soybean-based  
29 inks and plastic garbage can liners with recycled content that  
30 have been purchased.

31 d. The department of natural resources shall review the  
32 procurement specifications currently used by the board to  
33 eliminate, wherever possible, discrimination against the  
34 procurement of products manufactured with starch-based  
35 ~~plastics and soybean-based inks.~~

1 e. The department of natural resources shall assist the  
2 board in locating suppliers of starch-based-plastics recycled  
3 content products and soybean-based inks and collecting data on  
4 starch-based-plastic recycled content and soybean-based ink  
5 purchases.

6 f. The board, in conjunction with the department of  
7 natural resources, shall adopt rules to carry out the  
8 provisions of this section.

9 g. The department of natural resources shall cooperate  
10 with the board in all phases of implementing this section.

11 Sec. 4. Section 307.21, subsection 4, paragraphs a and c,  
12 Code 1995, are amended to read as follows:

13 a. Provide centralized purchasing services for the  
14 department, in co-operation with the department of general  
15 services. The administrator shall, when the price is  
16 reasonably competitive and the quality as intended, purchase  
17 soybean-based inks and starch-based-plastics plastic products  
18 with recycled content, including but not limited to starch-  
19 based plastic garbage can liners, and shall purchase these  
20 items in accordance with the schedule established in section  
21 18.18. However, the administrator need not purchase garbage  
22 can liners in accordance with the schedule if the liners are  
23 utilized by a facility approved by the environmental  
24 protection commission created under section 455A.6, for  
25 purposes of recycling. For purposes of this subsection,  
26 "recycled content" means that the content of the product  
27 contains a minimum of thirty percent postconsumer material.

28 c. The department shall report to the general assembly by  
29 February 1 of each year, the following:

30 (1) Plastic A listing of plastic products which are  
31 regularly purchased by the board for which starch-based  
32 recycled content product alternatives are available. ~~The~~  
33 ~~report shall also include,~~ including the cost of the plastic  
34 products purchased and the cost of the starch-based recycled  
35 content product alternatives.

1 (2) Information relating to soybean-based inks and starch-  
 2 based plastic garbage can liners with recycled content  
 3 regularly purchased by the department,--~~The report shall~~  
 4 include, including the cost of purchasing soybean-based inks  
 5 and starch-based plastic garbage can liners with recycled  
 6 content,~~the percentage of inks purchased which are soybean-~~  
 7 ~~based and the percentage of liners purchased which are starch-~~  
 8 based and the percentages of soybean-based inks and plastic  
 9 garbage can liners with recycled content that have been  
 10 purchased.

11 EXPLANATION

12 This bill removes a requirement that state agencies,  
 13 including the state board of regents, purchase a minimum  
 14 percentage of starch-based garbage can liners and instead  
 15 requires that by July 1, 1995, a minimum of 10 percent of the  
 16 purchases of garbage can liners shall be plastic garbage can  
 17 liners with recycled content. The percentage required to be  
 18 purchased increases by 10 percent annually until 50 percent of  
 19 the purchases of garbage can liners are plastic garbage can  
 20 liners with recycled content. The bill defines "recycled  
 21 content" to mean that a minimum of 30 percent of the content  
 22 of the product consists of postconsumer material. The bill  
 23 amends provisions which direct the department of general  
 24 services, the department for the blind, the state board of  
 25 regents, and the state department of transportation to comply  
 26 with the directive.

27 BACKGROUND STATEMENT

28 SUBMITTED BY THE AGENCY

29 The mandate to buy starch-based plastics was introduced as  
 30 a measure to promote the use of starch-based plastics and  
 31 generate another value-added market for corn. In particular,  
 32 starch-based garbage bags were to be purchased by the state to  
 33 help create a market for the product. Since then, Iowa is the  
 34 only state that sets goals for procurement of starch-based  
 35 plastic garbage can liners. State agencies are forced to pay

1 a premium for these bags and must purchase a large minimum  
2 order in order to comply with the law. Continued purchases  
3 cannot be justified on economic or environmental grounds.  
4 Recycled content has become a very common feature of products,  
5 however, and given the need for markets for such products in  
6 order to support the efforts to collect more recyclables, it  
7 makes sense to require their use.

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SENATE FILE 247

AN ACT

RELATING TO PLASTIC GARBAGE CAN LINERS WITH RECYCLED CONTENT.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

Section 1. Section 18.18, Code 1995, is amended to read as follows:

18.18 STATE PURCHASES -- RECYCLED PRODUCTS -- STARCH-BASED PLASTICS AND SOYBEAN-BASED INKS.

1. When purchasing paper products, the department of general services shall, when the price is reasonably competitive and the quality as intended, purchase the recycled product. The department of general services shall also purchase, when the price is reasonably competitive and the quality as intended, and in keeping with the schedule established in this subsection, soybean-based inks and starch-based plastics, plastic products with recycled content including but not limited to starch-based plastic garbage can liners.

a. By July 1, 1989, a minimum of fifty 1991, one hundred percent of the purchases of inks which are used for newsprint printing services performed internally or contracted for by the department of general services shall be soybean-based. ~~The percentage of purchases by the department of soybean-based inks used for newsprint printing services shall increase by July 1, 1991, to one hundred percent of the total purchases of inks used for newsprint printing services.~~

b. By July 1, 1991, a minimum of twenty-five 1993, one hundred percent of the purchases of inks, other than inks which are used for newsprint printing services, and which are used internally or contracted for by the department of general services, shall be soybean-based to the extent formulations for such inks are available. ~~The percentage of purchases by~~

~~the department of the soybean-based inks, to the extent formulations for such inks are available, shall increase by July 1, 1992, to fifty percent of the total purchases of the inks, and shall increase by July 1, 1993, to one hundred percent of the total purchases of the inks.~~

c. By July 1, 1989, a minimum of fifteen percent of the purchases of garbage can liners made by the department of general services shall be starch-based plastic garbage can liners. ~~The percentage purchased shall increase by five percent annually until fifty percent of the purchases of garbage can liners are purchases of starch-based plastic garbage can liners.~~ By July 1, 1995, a minimum of ten percent of the purchases of garbage can liners made by the department shall be plastic garbage can liners with recycled content. The percentage shall increase by ten percent annually until fifty percent of the purchases of garbage can liners are plastic garbage can liners with recycled content.

d. The department of general services shall report to the general assembly on February 1 of each year the following:

(1) Plastic A listing of plastic products which are regularly purchased by the department of general services and other state agencies for which starch-based recycled content product alternatives are available. ~~The report shall also include, including~~ the cost of the plastic products purchased and the cost of the starch-based recycled content product alternatives.

(2) Information relating to soybean-based inks and starch-based plastic garbage can liners with recycled content regularly purchased by the department and other state agencies. ~~The report shall include, including~~ the cost of purchasing soybean-based inks and starch-based plastic garbage can liners, with recycled content and the percentage of inks purchased which are soybean-based and the percentage of liners purchased which are starch-based percentages of soybean-based inks and plastic garbage can liners with recycled content that have been purchased.

e. For purposes of this section "recycled content" means that the content of the product contains a minimum of thirty percent postconsumer material.

2. a. As used in this subsection, unless the context otherwise requires:

(1) "Recycled paper" means a paper product with not less than fifty percent of its total weight consisting of secondary and postconsumer material. At least ten percent of the total weight of recycled paper shall be postconsumer materials.

(2) "Postconsumer material" means only those products generated by a business or consumer which have served their intended end uses, and which have been separated or diverted from solid waste for the purposes of collection, recycling, and disposition. Postconsumer material does not include manufacturing wastes.

(3) "Secondary material" means fragments of finished products or finished products of a manufacturing process which has converted a resource into a commodity of real economic value, and includes postconsumer material but does not include excess virgin resources of the manufacturing process.

b. The department, in conjunction with recommendations made by the department of natural resources, shall purchase and use recycled printing and writing paper so that ~~twenty-five percent by January 1, 1990~~, fifty percent by January 1, 1992, seventy-five percent by January 1, 1996, and ninety percent by January 1, 2000, of the volume of printing and writing paper purchased is recycled paper.

c. The department shall adopt standards for the allowable content of postconsumer and secondary material of recycled paper which shall conform with but may be more stringent than the American society for testing and materials standards.

d. The department shall establish a prioritization procedure for the purchase of recycled paper which provides for a five percent differential in the cost of the purchase of paper which has been recycled through the use of a nonchlorinated process.

e. If a provision under this subsection results in the limitation of sources for the purchase of printing and writing paper to three or fewer sources, the department may waive the requirement in order to purchase necessary amounts of printing and writing paper.

f. The department of general services, in conjunction with the department of natural resources, shall review the availability of a higher percentage content of postconsumer content printing and writing paper and shall, by rule, adjust the percentage requirement accordingly.

g. Notwithstanding the requirements of this subsection regarding the purchase of recycled paper, the department shall purchase acid-free permanent paper in the amount necessary for the production or reproduction of documents, papers, or similar materials produced or reproduced for permanent preservation pursuant to law.

3. The department of general services, in conjunction with the department of natural resources, shall review the procurement specifications currently used by the state to eliminate, wherever possible, discrimination against the procurement of products manufactured with recovered materials, ~~starch-based plastics~~, and soybean-based inks.

4. The department of natural resources shall assist the department of general services in locating suppliers of recycled products, ~~starch-based plastics~~, and soybean-based inks and collecting data on recycled content, ~~starch-based plastic~~, and soybean-based ink purchases.

5. Information on recycled content shall be requested on all bids for paper products issued by the state and on other bids for products which could have recycled content such as oil, plastic products, including but not limited to starch-based plastic products, compost materials, aggregate, solvents, soybean-based inks, and rubber products.

6. The department of general services, in conjunction with the department of natural resources, shall adopt rules and regulations to carry out the provisions of this section.

7. All state agencies shall fully cooperate with the departments of general services and natural resources in all phases of implementing this section.

8. The department of general services, by January 1, 1993, shall seek an agreement with the agencies of the states of Minnesota and Wisconsin authorized to purchase general use items for state agencies, to provide for the cooperative purchase of recycled products.

9. The department shall, whenever technically feasible, shall purchase and use degradable loose foam packing material manufactured from grain starches or other renewable resources, unless the cost of the packing material is more than ten percent greater than the cost of packing material made from nonrenewable resources. For the purposes of this subsection, "packing material" means material, other than an exterior packing shell, that is used to stabilize, protect, cushion, or brace the contents of a package.

Sec. 2. Section 216B.3, subsection 12, Code 1995, is amended to read as follows:

12. Manage and control the property, both real and personal, belonging to the department. The commission shall, according to the schedule established in this subsection, when the price is reasonably competitive and the quality as intended, purchase soybean-based inks and starch-based plastics plastic products with recycled content, including but not limited to starch-based plastic garbage can liners. For purposes of this subsection, "recycled content" means that the content of the product contains a minimum of thirty percent postconsumer material.

a. By July 1, 1989, a minimum of fifty 1991, one hundred percent of the purchases of inks which are used for newsprint paper for printing services performed internally or contracted for by the commission shall be soybean-based. The percentage of purchases by the commission of soybean-based inks used for newsprint printing services shall increase by July 1, 1991, to one hundred percent of the total purchases of inks used for newsprint printing services.

b. By July 1, 1989, a minimum of fifteen percent of the purchases of garbage can liners made by the commission shall be starch-based plastic garbage can liners. The percentage purchased shall increase by five percent annually until fifty percent of the purchases of garbage can liners are purchases of starch-based plastic garbage can liners. By July 1, 1995, a minimum of ten percent of the purchases of garbage can liners made by the commission shall be plastic garbage can liners with recycled content. The percentage purchased shall increase by ten percent annually until fifty percent of the purchases of garbage can liners are plastic garbage can liners with recycled content.

c. By July 1, 1991, a minimum of twenty-five 1993, one hundred percent of the purchases of inks, other than inks which are used for newsprint printing services, and which are used internally or contracted for by the commission, shall be soybean-based to the extent formulations for such inks are available. The percentage of purchases by the commission of the soybean-based inks, to the extent formulations for such inks are available, shall increase by July 1, 1992, to fifty percent of the total purchases of the inks, and shall increase by July 1, 1993, to one hundred percent of the total purchases of the inks.

d. The commission shall report to the general assembly on February 1 of each year, the following:

(1) Plastic A listing of plastic products which are regularly purchased by the commission for which starch-based recycled content product alternatives are available. The report shall also include, including the cost of the plastic products purchased and the cost of the starch-based recycled content product alternatives.

(2) Information relating to soybean-based inks and starch-based plastic garbage can liners with recycled content regularly purchased by the commission. The report shall include, including the cost of purchasing soybean-based inks and starch-based plastic garbage can liners, with recycled

content and the percentage of inks purchased which are soybean-based and the percentage of liners purchased which are starch-based percentages of soybean-based inks and plastic garbage can liners with recycled content that have been purchased.

e. The department of natural resources shall review the procurement specifications currently used by the commission to eliminate, wherever possible, discrimination against the procurement of products manufactured with starch-based plastics recycled content and soybean-based inks.

f. The department of natural resources shall assist the commission in locating suppliers of starch-based plastics products with recycled content and soybean-based inks, and collecting data on recycled content, starch-based plastic, and soybean-based ink purchases.

g. The commission, in conjunction with the department of natural resources, shall adopt rules to carry out the provisions of this section.

h. The department of natural resources shall cooperate with the commission in all phases of implementing this section.

Sec. 3. Section 262.9, subsection 4, Code 1995, is amended to read as follows:

4. Manage and control the property, both real and personal, belonging to the institutions. The board shall purchase or require the purchase of, when the price is reasonably competitive and the quality as intended, and in keeping with the schedule established in this subsection, soybean-based inks and starch-based plastics plastic products with recycled content, including but not limited to starch-based plastic garbage can liners. For purposes of this subsection, "recycled content" means that the content of the product contains a minimum of thirty percent postconsumer material.

a. All inks purchased that are used internally or contracted for by the board shall be soybean-based to the extent formulations for such inks are available.

b. ~~By July 1, 1989, a minimum of fifteen percent of the purchases of garbage can liners made by the board shall be starch-based plastic garbage can liners. The percentage purchased shall increase by five percent annually until fifty percent of the purchases of garbage can liners are purchases of starch-based plastic garbage can liners. By July 1, 1995, a minimum of ten percent of the purchases of garbage can liners made by the board shall be plastic garbage can liners with recycled content. The percentage shall increase by ten percent annually until fifty percent of the purchases of garbage can liners are plastic garbage can liners with recycled content.~~

c. The board shall report to the general assembly on February 1 of each year, the following:

(1) Plastic A listing of plastic products which are regularly purchased by the board for which starch-based recycled content product alternatives are available. The report shall also include, including the cost of the plastic products purchased and the cost of the starch-based recycled content product alternatives.

(2) Information relating to soybean-based inks and starch-based plastic garbage can liners regularly purchased by the board. The report shall include, including the cost of purchasing soybean-based inks and starch-based plastic garbage can liners, with recycled content and the percentage of inks purchased which are soybean-based and the percentage of liners purchased which are starch-based percentages of soybean-based inks and plastic garbage can liners with recycled content that have been purchased.

d. The department of natural resources shall review the procurement specifications currently used by the board to eliminate, wherever possible, discrimination against the procurement of products manufactured with starch-based plastics and soybean-based inks.

e. The department of natural resources shall assist the board in locating suppliers of starch-based plastics recycled

content products and soybean-based inks and collecting data on starch-based-plastic recycled content and soybean-based ink purchases.

f. The board, in conjunction with the department of natural resources, shall adopt rules to carry out the provisions of this section.

g. The department of natural resources shall cooperate with the board in all phases of implementing this section.

Sec. 4. Section 307.21, subsection 4, paragraphs a and c, Code 1995, are amended to read as follows:

a. Provide centralized purchasing services for the department, in co-operation with the department of general services. The administrator shall, when the price is reasonably competitive and the quality as intended, purchase soybean-based inks and ~~starch-based-plastics~~ plastic products with recycled content, including but not limited to ~~starch-based~~ plastic garbage can liners, and shall purchase these items in accordance with the schedule established in section 18.18. However, the administrator need not purchase garbage can liners in accordance with the schedule if the liners are utilized by a facility approved by the environmental protection commission created under section 455A.6, for purposes of recycling. For purposes of this subsection, "recycled content" means that the content of the product contains a minimum of thirty percent postconsumer material.

c. The department shall report to the general assembly by February 1 of each year, the following:

(1) ~~Plastic~~ A listing of plastic products which are regularly purchased by the board for which ~~starch-based recycled content~~ product alternatives are available---~~The report shall also include, including~~ the cost of the plastic products purchased and the cost of the starch-based recycled content product alternatives.

(2) Information relating to soybean-based inks and ~~starch-based plastic~~ garbage can liners with recycled content regularly purchased by the department---~~The report shall~~

~~include, including~~ the cost of purchasing soybean-based inks and starch-based plastic garbage can liners with recycled content, ~~the percentage of inks purchased which are soybean-based and the percentage of liners purchased which are starch-based and the percentages of soybean-based inks and plastic garbage can liners with recycled content that have been~~ purchased.

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LEONARD L. BOSWELL  
President of the Senate

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RON J. CORBETT  
Speaker of the House

I hereby certify that this bill originated in the Senate and is known as Senate File 247, Seventy-sixth General Assembly.

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JOHN F. DWYER  
Secretary of the Senate

Approved April 24, 1995

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TERRY E. BRANSTAD  
Governor