

SENATE BILL 549

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M3

2002 Regular Session  
2lr0475  
CF 2lr2402

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By: **Senators Van Hollen, Conway, and Frosh**  
Introduced and read first time: February 1, 2002  
Assigned to: Education, Health, and Environmental Affairs

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A BILL ENTITLED

1 AN ACT concerning

2 **Maryland Water Conservation Act**

3 FOR the purpose of requiring certain public water systems and sewage treatment  
4 plants to include a description of certain water conservation practices when  
5 applying for a new or expanded water appropriation or wastewater discharge  
6 permit; requiring the Department of the Environment to consider certain  
7 matters in reviewing and approving certain water appropriation or wastewater  
8 discharge permit applications; requiring the Department to issue guidelines on  
9 certain water conservation practices by a certain date; specifying a certain State  
10 policy; defining certain terms; and generally relating to water conservation  
11 practices of public water systems and sewage treatment plants.

12 BY adding to  
13 Article - Environment  
14 Section 5-5B-01 through 5-5B-05, inclusive, to be under the new subtitle  
15 "Subtitle 5B. Maryland Water Conservation"  
16 Annotated Code of Maryland  
17 (1996 Replacement Volume and 2001 Supplement)

18 **Preamble**

19 WHEREAS, Greater efficiency in water use and conservation can reduce the  
20 financial costs associated with treatment, storage, and transmission of water and  
21 wastewater necessary for Maryland's growing population, thus making better use of  
22 the limited financial resources available for such improvements; and

23 WHEREAS, Data compiled by the State and published by the United States  
24 Environmental Protection Agency show that in the next 20 years, more than  
25 \$2,000,000,000 will have to be invested by public water systems, wastewater  
26 treatment plants, and State agencies in order to accommodate growth and to improve  
27 the quality of drinking water and the treatment, storage, and transmission of  
28 wastewater; and

29 WHEREAS, Improvements in efficient use of water and overall water  
30 conservation measures will limit negative environmental impacts on Maryland's

1 aquatic resources, which are associated with withdrawing surface water and  
2 groundwater and discharging wastewater; and

3 WHEREAS, More efficient use of limited financial resources available for  
4 improving wastewater treatment will accelerate achievement of water quality goals,  
5 including the goals of the Chesapeake Bay Agreements; now, therefore,

6 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF  
7 MARYLAND, That the Laws of Maryland read as follows:

8 **Article - Environment**

9 **SUBTITLE 5B. MARYLAND WATER CONSERVATION.**

10 5-5B-01.

11 (A) IN THIS SUBTITLE THE FOLLOWING WORDS HAVE THE MEANINGS  
12 INDICATED.

13 (B) "PUBLIC WATER SYSTEM" HAS THE MEANING STATED IN § 9-401 OF THIS  
14 ARTICLE AND IS A WATER SYSTEM LOCATED IN THE STATE.

15 (C) "SEWAGE TREATMENT PLANT" MEANS ANY PUBLICLY OR PRIVATELY  
16 OWNED FACILITY CONSTRUCTED TO RECEIVE AND TREAT HUMAN SEWAGE THAT IS  
17 SUBJECT TO A STATE DISCHARGE PERMIT AND DISCHARGES AT LEAST 1,000,000  
18 GALLONS PER DAY.

19 (D) "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" HAS THE  
20 MEANING STATED IN § 9-101 OF THIS ARTICLE AND IS A POLLUTANT DISCHARGE  
21 SYSTEM LOCATED IN THE STATE.

22 (E) "WATER CONSERVATION" MEANS THE USE OF PRACTICES, TECHNIQUES,  
23 AND TECHNOLOGIES THAT:

24 (1) REDUCE THE CONSUMPTION, LOSS, OR WASTE OF WATER;

25 (2) IMPROVE EFFICIENCY IN THE USE OF WATER; OR

26 (3) MAKE MORE EFFICIENT USE OF WATER OR WASTEWATER  
27 TREATMENT INFRASTRUCTURE.

28 5-5B-02.

29 THIS SUBTITLE APPLIES TO PUBLIC WATER SYSTEMS SERVING AT LEAST 10,000  
30 INDIVIDUALS AND SEWAGE TREATMENT PLANTS DISCHARGING AT LEAST 1,000,000  
31 GALLONS PER DAY THAT:

32 (1) APPLY FOR A NEW, RENEWED, OR AMENDED WATER APPROPRIATION;

33 (2) DO NOT HAVE AN APPROPRIATION PERMIT;

1 (3) APPLY FOR A NEW OR AMENDED NATIONAL POLLUTANT DISCHARGE  
2 ELIMINATION SYSTEM (NPDES) PERMIT; OR

3 (4) APPLY FOR STATE FINANCIAL ASSISTANCE INCLUDING THE  
4 MARYLAND WATER QUALITY REVOLVING LOAN FUND AS PROVIDED IN § 9-1605 OF  
5 THIS ARTICLE AND ANY OTHER STATE FUNDING SOURCE.

6 5-5B-03.

7 IT IS THE POLICY OF THE STATE OF MARYLAND TO:

8 (1) ENCOURAGE INVESTMENT IN COST-EFFECTIVE MEASURES THAT  
9 IMPROVE THE EFFICIENCY WITH WHICH WATER AND WASTEWATER ARE USED,  
10 TREATED, STORED, AND TRANSMITTED IN THE STATE;

11 (2) REDUCE COSTS ASSOCIATED WITH TREATING, STORING, AND  
12 TRANSMITTING WATER AND WASTEWATER; AND

13 (3) PROTECT THE STATE'S NATURAL RESOURCES, INCLUDING THE FISH  
14 AND WILDLIFE OF THE POTOMAC RIVER, THE CHESAPEAKE BAY, AND ALL OTHER  
15 WATERS AND WATERWAYS OF THE STATE.

16 5-5B-04.

17 (A) WHEN APPLYING FOR A NEW OR EXPANDED WATER APPROPRIATION OR  
18 WASTEWATER DISCHARGE PERMIT, OR STATE FINANCIAL ASSISTANCE, PUBLIC  
19 WATER SYSTEMS AND SEWAGE TREATMENT PLANTS SHALL INCLUDE A  
20 DESCRIPTION OF BEST MANAGEMENT PRACTICES CURRENTLY IN USE, OR TO BE  
21 IMPLEMENTED, FOR IMPROVING WATER CONSERVATION AND THE EFFICIENCY WITH  
22 WHICH WATER OR WASTEWATER IS USED, TREATED, STORED, AND TRANSMITTED.  
23 THE APPLICATION SHALL ALSO INCLUDE A SCHEDULE FOR THE IMPLEMENTATION  
24 OF BEST MANAGEMENT PRACTICES.

25 (B) BEST MANAGEMENT PRACTICES MAY INCLUDE THE FOLLOWING:

26 (1) PRACTICES DESIGNED TO MEASURE THE AMOUNT OF WATER  
27 CONVEYED THROUGH THE SYSTEM'S INFRASTRUCTURE TO WATER USERS, SUCH AS  
28 UNIVERSAL METERING;

29 (2) AUDITS OF LARGE-VOLUME USERS;

30 (3) REUSE AND RECYCLING OF WATER FOR NONPOTABLE,  
31 NONRESIDENTIAL APPLICATIONS;

32 (4) MANAGEMENT OF SYSTEM PRESSURE TO REDUCE USAGE;

33 (5) RETROFIT PROGRAMS;

34 (6) EFFICIENCY IN LANDSCAPE DESIGN AND IRRIGATION TECHNIQUES;

35 (7) WASTEWATER RECLAMATION AND RECYCLING PROGRAMS;

- 1 (8) FIXTURE REPLACEMENT PROGRAMS;
- 2 (9) WATER AND WASTEWATER PRICING STRUCTURES THAT ENCOURAGE  
3 IMPROVED EFFICIENCY;
- 4 (10) REBATES AND OTHER FINANCIAL INCENTIVES;
- 5 (11) AN EDUCATION PROGRAM FOR USERS DESIGNED TO PROMOTE  
6 INCREASED EFFICIENCY AND CONSERVATION; AND
- 7 (12) PROMOTION OR ADOPTION OF LOCAL WATER-USE ORDINANCES  
8 THAT ENCOURAGE WATER CONSERVATION.

9 5-5B-05.

10 (A) IN REVIEWING REQUESTS FOR NEW, RENEWED, OR EXPANDED WATER  
11 APPROPRIATION OR WASTEWATER DISCHARGE PERMITS BY PUBLIC WATER SYSTEMS  
12 OR SEWAGE TREATMENT PLANTS, AS DEFINED BY THIS SUBTITLE, THE DEPARTMENT  
13 SHALL CONSIDER EXISTING LOCAL INITIATIVES AND VOLUNTARY EFFORTS AND  
14 BEST MANAGEMENT PRACTICES SET FORTH FOR IMPLEMENTATION WITHIN A  
15 PERMIT APPLICATION.

16 (B) IN REVIEWING AND PRIORITIZING REQUESTS BY PUBLIC WATER SYSTEMS  
17 OR SEWAGE TREATMENT PLANTS, AS DEFINED BY THIS SUBTITLE, FOR STATE  
18 FINANCIAL ASSISTANCE THROUGH THE MARYLAND WATER QUALITY REVOLVING  
19 LOAN FUND UNDER § 9-1605 OF THIS ARTICLE AND OTHER STATE FUNDING  
20 SOURCES, THE DEPARTMENT SHALL CONSIDER LOCAL INITIATIVES AND VOLUNTARY  
21 EFFORTS, AND THE BEST MANAGEMENT PRACTICES SET FORTH FOR  
22 IMPLEMENTATION WITHIN A FINANCIAL ASSISTANCE APPLICATION.

23 (C) ON OR BEFORE OCTOBER 1, 2003, THE DEPARTMENT SHALL ISSUE  
24 GUIDELINES TO PUBLIC WATER SYSTEMS AND SEWAGE TREATMENT PLANTS ON  
25 BEST MANAGEMENT PRACTICES FOR IMPROVING WATER CONSERVATION AND  
26 EFFICIENCY IN WATER AND WASTEWATER USE, TREATMENT, STORAGE, AND  
27 TRANSMISSION, INCLUDING:

28 (1) COSTS AND COST-SAVINGS ASSOCIATED WITH IMPLEMENTING  
29 EXAMPLES OF SPECIFIC BEST MANAGEMENT PRACTICES;

30 (2) WATER CONSERVATION ASSOCIATED WITH IMPLEMENTING  
31 SPECIFIC BEST MANAGEMENT PRACTICES; AND

32 (3) PRIORITY ELIGIBILITY FOR FUNDING THROUGH STATE FINANCIAL  
33 RESOURCES FOR DRINKING WATER AND WASTEWATER TREATMENT IMPROVEMENTS  
34 INCLUDING THE MARYLAND WATER QUALITY REVOLVING LOAN FUND UNDER §  
35 9-1605 OF THIS ARTICLE AND OTHER STATE OR FEDERAL FINANCIAL ASSISTANCE  
36 WHEN BEST MANAGEMENT PRACTICES ARE IMPLEMENTED.

37 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take  
38 effect October 1, 2002.

