

HOUSE BILL 903

C8, M3

1lr1362

By: **Delegates A. Kelly, Braveboy, Burns, Carr, Cullison, Frick, Frush, Guzzone, Hucker, Kaiser, Kipke, Lee, Luedtke, A. Miller, B. Robinson, S. Robinson, Sophocleus, Waldstreicher, and Wood**

Introduced and read first time: February 11, 2011

Assigned to: Economic Matters

A BILL ENTITLED

1 AN ACT concerning

2 **Task Force on Green Chemistry**

3 FOR the purpose of establishing a Task Force on Green Chemistry; providing for the
4 membership of the Task Force; requiring the Governor to designate the chair of
5 the Task Force; requiring the Department of Business and Economic
6 Development to provide staff for the Task Force; requiring the Task Force to
7 meet at least quarterly at the times and places determined by the chair of the
8 Task Force; prohibiting a member of the Task Force from receiving certain
9 compensation and authorizing the reimbursement of certain expenses; requiring
10 the Task Force to study certain matters and make certain recommendations;
11 requiring the Task Force to report its findings and recommendations to the
12 Governor and General Assembly on or before a certain date; defining a certain
13 term; providing for the termination of this Act; and generally relating to the
14 establishment of a Task Force on Green Chemistry.

15 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF
16 MARYLAND, That:

17 (a) In this section, “green chemistry” means chemical engineering to design
18 chemical products and manufacturing processes that reduce or eliminate the
19 generation and use of hazardous substances across the life cycle of the substances
20 based on the following 12 principles:

21 (1) preventing waste;

22 (2) designing safer chemicals and products;

23 (3) designing less hazardous chemical syntheses;

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



- 1 (4) using renewable feedstocks;
 - 2 (5) using catalysts instead of stoichiometric reagents;
 - 3 (6) avoiding chemical derivatives;
 - 4 (7) maximizing atom economy;
 - 5 (8) using safer solvents and reaction conditions;
 - 6 (9) increasing energy efficiency;
 - 7 (10) designing chemicals and products to degrade after use;
 - 8 (11) analyzing in real time to prevent pollution; and
 - 9 (12) minimizing the potential for accidents.
- 10 (b) There is a Task Force on Green Chemistry.
- 11 (c) The Task Force consists of the following members:
- 12 (1) the Secretary of Business and Economic Development, or the
13 Secretary's designee;
 - 14 (2) the Secretary of the Environment, or the Secretary's designee;
 - 15 (3) the Chair of the Maryland Technology Development Corporation
16 (TEDCO), or the Chair's designee; and
 - 17 (4) the following members, appointed by the Governor:
 - 18 (i) a representative from a large Maryland manufacturer
19 participating in the international marketplace with recognized expertise in
20 implementing green chemistry into its manufacturing processes;
 - 21 (ii) a representative from a small Maryland manufacturer;
 - 22 (iii) a representative of a statewide occupational health and
23 safety organization or union health and safety committee;
 - 24 (iv) a representative of a statewide nonprofit environmental
25 health organization;
 - 26 (v) an individual with recognized expertise working with
27 businesses to implement sustainable business practices;

1 (vi) a health professional or scientist with recognized expertise
2 on the health effects of prenatal exposure to toxic chemicals or issues related to
3 occupational environmental health; and

4 (vii) an individual with training and recognized expertise in the
5 field of green chemistry.

6 (d) The Governor shall designate the chair of the Task Force.

7 (e) The Department of Business and Economic Development shall provide
8 staff for the Task Force.

9 (f) The Task Force shall meet at least quarterly at the times and places
10 determined by the chair.

11 (g) A member of the Task Force:

12 (1) may not receive compensation as a member of the Task Force; but

13 (2) is entitled to reimbursement for expenses under the Standard
14 State Travel Regulations, as provided in the State budget.

15 (h) The Task Force shall:

16 (1) study existing:

17 (i) models for promoting green chemistry at the state and
18 federal level;

19 (ii) state, federal, and international laws governing the use and
20 management of hazardous substances; and

21 (iii) methods for:

22 1. evaluating the impact of manufacturing processes and
23 products, including component chemicals, on health, safety, and the environment; and

24 2. comparing alternative manufacturing processes and
25 products, including functional equivalence, technical feasibility, and economic
26 viability; and

27 (2) make recommendations related to the development of a program
28 to promote green chemistry in the State, including:

29 (i) whether or not the program is needed;

30 (ii) the State agency that should administer the program;

- 1 (iii) program goals;
- 2 (iv) program funding;
- 3 (v) the roles and responsibilities of relevant government
4 agencies under the program;
- 5 (vi) communication and program integration with government
6 agencies and other stakeholders; and
- 7 (vii) mechanisms to promote green chemistry in the State under
8 the program including:
- 9 1. financial incentives such as low-interest loans and
10 tax credits;
 - 11 2. public-private partnerships;
 - 12 3. technology transfers, including identifying and
13 removing barriers to technology transfers;
 - 14 4. education and outreach efforts; and
 - 15 5. participation in an interstate chemical clearinghouse.

16 (i) On or before January 1, 2013, the Task Force shall report its findings and
17 recommendations to the Governor and, in accordance with § 2-1246 of the State
18 Government Article, the General Assembly.

19 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
20 July 1, 2011. It shall remain effective for a period of 2 years and, at the end of June
21 30, 2013, with no further action required by the General Assembly, this Act shall be
22 abrogated and of no further force and effect.