SENATE BILL 871

M3, S2 5lr2110 CF HB 1062

By: Senator Hester

Introduced and read first time: January 28, 2025 Assigned to: Education, Energy, and the Environment

Committee Report: Favorable with amendments

Senate action: Adopted

Read second time: February 25, 2025

CHAPTER

1 AN ACT concerning

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Department of the Environment – Community Water and Sewerage Systems – Cybersecurity Planning and Assessments

4 FOR the purpose of requiring the Department of the Environment to coordinate, in coordination with the Department of Information Technology and the Maryland 5 6 Department of Emergency Management, cybersecurity efforts within community 7 water systems and community sewerage systems; establishing the responsibilities of 8 the Department of the Environment, the Department of Information Technology, 9 and the Maryland Department of Emergency Management with respect to 10 regulating, assessing, and promoting cybersecurity efforts within the water and 11 wastewater sector; requiring certain community water system and community 12 sewerage system providers in the State to take certain cybersecurity measures and 13 report certain cybersecurity incidents; prohibiting the inspection of public records related to the security of operational technology and certain critical infrastructure; 14 15 and generally relating to cybersecurity planning and assessments for community 16 water systems and community sewerage systems.

17 BY adding to

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18 Article – Environment

Section 9–2701 through 9-2707 9–2708 to be under the new subtitle "Subtitle 27.

Community Water and Sewerage System Cybersecurity"

21 Annotated Code of Maryland

22 (2014 Replacement Volume and 2024 Supplement)

23 BY repealing and reenacting, with amendments,

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

<u>Underlining</u> indicates amendments to bill.

Strike out indicates matter stricken from the bill by amendment or deleted from the law by amendment.

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(I**)**

	2 SENATE BILL 8/1	
1	Article – General Provisions	
2	Section 4–338	
3	Annotated Code of Maryland	
4	(2019 Replacement Volume and 2024 Supplement)	
5	BY repealing and reenacting, with amendments,	
6	Article – Public Safety	
7	Section 14–104.1	
8	Annotated Code of Maryland	
9	(2022 Replacement Volume and 2024 Supplement)	
10	SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLA That the Laws of Maryland read as follows:	۸ND,
2	Article – Environment	
.3	SUBTITLE 27. COMMUNITY WATER AND SEWERAGE SYSTEM CYBERSECURIT	Υ.
14	9–2701.	
15	(A) IN THIS SUBTITLE THE FOLLOWING WORDS HAVE THE MEANI	NGS
6	INDICATED.	
. 7	(B) "COMMUNITY SEWERAGE SYSTEM" HAS THE MEANING STATED	IN §
18	9-501 OF THIS TITLE.	
9	(C) "COMMUNITY WATER SYSTEM" HAS THE MEANING STATED IN § 9-40	1 OF
20	THIS TITLE.	
21	(D) "CYBERSECURITY" MEANS PROCESSES OR CAPABILITIES WHEI	REIN
22	SYSTEMS, COMMUNICATIONS, AND INFORMATION ARE PROTECTED AND DEFEN	DED
23	AGAINST DAMAGE, UNAUTHORIZED USE OR MODIFICATION, AND EXPLOITATION	١.
24	(E) "EMERGENCY MANAGER" HAS THE MEANING STATED IN § 14–10	1 OF
25	THE PUBLIC SAFETY ARTICLE.	
26	(F) (1) "OPERATIONAL TECHNOLOGY" MEANS PROGRAMMABLE SYST	EMS
27	OR DEVICES THAT INTERACT WITH THE PHYSICAL ENVIRONMENT BY DETECTING	
28	CAUSING A DIRECT CHANGE THROUGH THE MONITORING OR CONTROL OF DEVI	CES,
29	PROCESSES, AND EVENTS.	ĺ
30	(2) "OPERATIONAL TECHNOLOGY" INCLUDES:	

INDUSTRIAL CONTROL SYSTEMS;

1	(II) BUILDING MANAGEMENT SYSTEMS;
2	(III) FIRE CONTROL SYSTEMS; AND
3	(IV) PHYSICAL ACCESS CONTROL MECHANISMS.
4 5	(F) (G) "WATER AND WASTEWATER SECTOR" MEANS ALL PROVIDERS, INCLUDING PRIVATE AND PUBLIC, OF WATER SUPPLY OR SEWERAGE SERVICES.
6	(G) (H) "ZERO-TRUST" MEANS A CYBERSECURITY APPROACH:
7	(1) FOCUSED ON CYBERSECURITY RESOURCE PROTECTION; AND
8	(2) BASED ON THE PREMISE THAT TRUST IS NEVER GRANTED IMPLICITLY BUT MUST BE CONTINUALLY EVALUATED.
10	9–2702.
11	THE DEPARTMENT SHALL:
12 13 14 15	(1) IN COORDINATION WITH THE DEPARTMENT OF INFORMATION TECHNOLOGY AND THE MARYLAND DEPARTMENT OF EMERGENCY MANAGEMENT, COORDINATE CYBERSECURITY EFFORTS WITHIN COMMUNITY WATER SYSTEMS AND COMMUNITY SEWERAGE SYSTEMS;
16 17 18	(2) INCLUDE CYBERSECURITY AWARENESS COMPONENTS FOR ALL NEW AND RENEWING OPERATOR AND SUPERINTENDENT CERTIFICATIONS UNDER TITLE 12 OF THIS ARTICLE; AND
19 20	(3) IN CONSULTATION WITH THE DEPARTMENT OF INFORMATION TECHNOLOGY:
21 22	(I) UPDATE REGULATIONS GOVERNING COMMUNITY WATER SYSTEMS AND COMMUNITY SEWERAGE SYSTEMS TO:
23 24 25	1. INCLUDE COMPREHENSIVE SECTIONS REGARDING CYBERSECURITY STANDARDS FOR WATER AND WASTEWATER TREATMENT FACILITIES; AND
26 27 28 29	2. REQUIRE COMMUNITY WATER SYSTEM AND COMMUNITY SEWERAGE SYSTEM PROVIDERS TO REPORT CYBER INCIDENTS CONSISTENT WITH DEPARTMENT OF INFORMATION TECHNOLOGY GUIDANCE TO UTILITIES REGARDING CYBER INCIDENTS IN ACCORDANCE WITH § 9–2707(B) OF THIS SUBTITLE:

- 1 (II) PROMULGATE MINIMUM CYBERSECURITY STANDARDS FOR
- 2 ESTABLISHED COMMUNITY WATER SYSTEMS AND COMMUNITY SEWERAGE SYSTEMS
- 3 THAT MEET OR EXCEED THE FEDERAL CYBERSECURITY AND INFRASTRUCTURE
- 4 SECURITY AGENCY'S CROSS-SECTOR CYBERSECURITY PERFORMANCE GOALS;
- 5 (III) REQUIRE COMMUNITY WATER SYSTEMS AND COMMUNITY
- 6 SEWERAGE SYSTEMS TO PLAN FOR DISRUPTIONS OF SERVICE DUE TO CYBER
- 7 INCIDENTS, INCLUDING RANSOMWARE ATTACKS AND OTHER EVENTS RESULTING IN
- 8 ROOT-LEVEL COMPROMISE;
- 9 (IV) ESTABLISH A LIST OF APPROVED CYBERSECURITY
- 10 TRAINING PROGRAMS FOR STAFF RESPONSIBLE FOR MAINTAINING OR OPERATING
- 11 WATER AND WASTEWATER FACILITIES; AND
- 12 (V) IMPLEMENT MEASURES TO PROTECT THE ACTIVE
- 13 CERTIFIED OPERATORS LIST MAINTAINED ON THE DEPARTMENT'S WEBSITE WHILE
- 14 ENSURING LEGITIMATE ACCESS FOR NECESSARY PURPOSES.
- 15 **9–2703.**
- 16 THE DEPARTMENT OF INFORMATION TECHNOLOGY SHALL:
- 17 (1) EMPLOY A PERSON TRAINED IN THE CYBERSECURITY OF
- 18 OPERATIONAL TECHNOLOGY TO WORK:
- 19 (I) WORK WITH THE STATE CHIEF INFORMATION SECURITY
- 20 OFFICER AND THE CYBER PREPAREDNESS UNIT IN THE MARYLAND DEPARTMENT
- 21 OF EMERGENCY MANAGEMENT TO SUPPORT EFFORTS RELATED TO OPERATIONAL
- 22 TECHNOLOGY IN WATER SYSTEMS AND OTHER CRITICAL INFRASTRUCTURE; AND
- 23 (II) COORDINATE WITH THE MARYLAND DEPARTMENT OF
- 24 EMERGENCY MANAGEMENT AND LOCAL GOVERNMENT INFORMATION SECURITY
- 25 OFFICERS TO ASSIST IN PROTECTING COMMUNITY WATER SYSTEMS AND
- 26 COMMUNITY SEWERAGE SYSTEMS;
- 27 (2) ALLOW ALL MEMBERS OF THE WATER AND WASTEWATER SECTOR
- 28 IN THE STATE TO JOIN THE MARYLAND INFORMATION SHARING AND ANALYSIS
- 29 CENTER TO FURTHER STRENGTHEN CYBERSECURITY EFFORTS AND INFORMATION
- 30 SHARING WITHIN THE SECTOR; AND
- 31 (3) IN CONSULTATION WITH THE DEPARTMENT, DEVELOP AND
- 32 PROMOTE A GUIDANCE DOCUMENT THAT:

- 1 (I) PROVIDES STANDARDS THAT MEET OR EXCEED THE
- 2 FEDERAL CYBERSECURITY AND INFRASTRUCTURE SECURITY AGENCY'S
- 3 CROSS-SECTOR CYBERSECURITY PERFORMANCE GOALS; AND
- 4 (II) OUTLINES THE BEST PRACTICES BEYOND MINIMUM
- 5 STANDARDS THAT CAN SERVE AS A POINT OF REFERENCE FOR ENHANCING THE
- 6 CYBERSECURITY POSTURE OF COMMUNITY WATER SYSTEM AND COMMUNITY
- 7 SEWERAGE SYSTEM PROVIDERS; AND
- 8 PROVIDE RESOURCES FOR CYBERSECURITY SPRINT TARGETING
- 9 OF COMMUNITY WATER SYSTEM AND COMMUNITY SEWERAGE SYSTEM PROVIDERS
- 10 TO IDENTIFY WEAKNESSES AND ASSIST WITH SECURITY IMPROVEMENTS.
- 11 **9–2704.**
- 12 ALL COMMUNITY WATER SYSTEM AND COMMUNITY SEWERAGE SYSTEM
- 13 PROVIDERS IN THE STATE SHALL:
- 14 (1) APPOINT A PRIMARY POINT OF CONTACT FOR CYBERSECURITY TO
- 15 INTERACT WITH THE MARYLAND DEPARTMENT OF EMERGENCY MANAGEMENT
- 16 APPROPRIATE LOCAL EMERGENCY MANAGER AND THE DEPARTMENT OF
- 17 Information Technology regarding cybersecurity-related matters;
- 18 AND
- 19 (2) ATTEND ANNUAL TRAININGS TO IMPROVE CYBERSECURITY
- 20 AWARENESS.
- 21 **9–2705**.
- 22 (A) THIS SECTION APPLIES TO A COMMUNITY WATER SYSTEM OR
- 23 COMMUNITY SEWERAGE SYSTEM IN THE STATE THAT:
- 24 (1) SERVES SERVES OVER 3,300 CUSTOMERS; OR
- 25 (2) UTILIZES INFORMATION TECHNOLOGY AND OPERATIONAL
- 26 TECHNOLOGY AS PART OF ITS OPERATIONS.
- 27 (B) EACH COMMUNITY WATER SYSTEM AND COMMUNITY SEWERAGE
- 28 SYSTEM PROVIDER SHALL:
- 29 (1) ADOPT AND IMPLEMENT CYBERSECURITY STANDARDS THAT ARE
- 30 EQUAL TO OR EXCEED THE STANDARDS ADOPTED BY THE DEPARTMENT UNDER §
- 31 **9–2702(3)(II)** OF THIS SUBTITLE;

- 1 (2) ADOPT COMMIT TO ADOPTING A ZERO-TRUST CYBERSECURITY
- 2 APPROACH, SIMILAR TO AND BEGIN PLANNING AND IMPLEMENTING THE
- 3 ZERO-TRUST APPROACH, AS APPROPRIATE FOR EACH SYSTEM, MODELED AFTER
- 4 THE FEDERAL CYBERSECURITY AND INFRASTRUCTURE SECURITY AGENCY'S
- 5 ZERO-TRUST MATURITY MODEL, FOR ON-PREMISES SERVICES AND CLOUD-BASED
- 6 SERVICES; AND
- 7 (3) ON OR BEFORE JULY 1, 2026, AND EACH JULY 1 EVERY 2 YEARS
- 8 THEREAFTER, ENGAGE WITH A THIRD PARTY TO CONDUCT AN A MATURITY
- 9 ASSESSMENT OF THE ITS CYBERSECURITY PROGRAM FOR OPERATIONAL
- 10 TECHNOLOGY AND INFORMATION TECHNOLOGY DEVICES OF THE COMMUNITY
- 11 WATER SYSTEM OR COMMUNITY SEWERAGE SYSTEM, BASED ON THE MINIMUM
- 12 CYBERSECURITY STANDARDS ESTABLISHED UNDER § 9-2702(3)(II) OF THIS
- 13 SUBTITLE.
- 14 **9–2706.**
- ON OR BEFORE OCTOBER 1, 2026, AND EVERY 2 YEARS THEREAFTER,
- 16 THE OFFICE OF SECURITY MANAGEMENT IN THE DEPARTMENT OF INFORMATION
- 17 TECHNOLOGY SHALL:
- 18 (1) COLLECT CERTIFICATIONS OF EACH COMMUNITY WATER SYSTEM
- 19 AND COMMUNITY SEWERAGE SYSTEM PROVIDER'S COMPLIANCE WITH STANDARDS
- USED IN THE ASSESSMENTS CONDUCTED UNDER $\S 9-2705(B)(4)$ $\S 9-2705(B)(3)$ OF
- 21 THIS SUBTITLE FOR CYBERSECURITY-RELATED POLICIES AND PROCEDURES; AND
- 22 (2) SUBMIT A REPORT TO THE STATE CHIEF INFORMATION
- 23 SECURITY OFFICER, OR THE OFFICER'S DESIGNEE.
- 24 (B) THE REPORT REQUIRED UNDER SUBSECTION (A)(2) OF THIS SECTION
- 25 SHALL INCLUDE:
- 26 (1) A GENERAL OVERVIEW OF CYBERSECURITY TECHNOLOGY AND
- 27 POLICIES USED BY COMMUNITY WATER SYSTEMS AND COMMUNITY SEWERAGE
- 28 SYSTEMS IN THE STATE, GROUPED BY NUMBER OF CUSTOMERS SERVED; AND
- 29 **GENERAL RECOMMENDATIONS FOR IMPROVING CYBERSECURITY**
- 30 TECHNOLOGY AND POLICIES USED BY COMMUNITY WATER SYSTEMS AND
- 31 COMMUNITY SEWERAGE SYSTEMS IN THE STATE, GROUPED BY NUMBER OF
- 32 CUSTOMERS SERVED.
- 33 **9–2707.**

- 1 (A) EACH COMMUNITY WATER SYSTEM AND COMMUNITY SEWERAGE
 2 SYSTEM SHALL REPORT, IN ACCORDANCE WITH THE PROCESS ESTABLISHED UNDER
 3 SUBSECTION (B) OF THIS SECTION, A CYBERSECURITY INCIDENT, INCLUDING AN
 4 ATTACK ON AN INFORMATION TECHNOLOGY SYSTEM OR OPERATIONAL
 5 TECHNOLOGY SYSTEM BEING USED BY THE COMMUNITY WATER SYSTEM OR
 6 COMMUNITY SEWERAGE SYSTEM PROVIDER, TO THE STATE SECURITY OPERATIONS
 7 CENTER IN THE DEPARTMENT OF INFORMATION TECHNOLOGY.
- 8 (B) (1) THE STATE CHIEF INFORMATION SECURITY OFFICER, IN
 9 CONSULTATION WITH THE DEPARTMENT, SHALL ESTABLISH A PROCESS FOR
 10 COMMUNITY WATER SYSTEM PROVIDERS, COMMUNITY SEWERAGE SYSTEM
 11 PROVIDERS, AND OTHER MEMBERS OF THE WATER AND WASTEWATER SECTOR TO
 12 REPORT CYBERSECURITY INCIDENTS.
- 13 (2) THE REPORTING PROCESS SHALL SPECIFY:
- 14 (I) THE CIRCUMSTANCES UNDER WHICH AN INCIDENT MUST BE
- 15 REPORTED;
- 16 (II) THE MANNER IN WHICH AN ENTITY MUST REPORT AN
- 17 INCIDENT; AND
- 18 (III) THE TIME PERIOD WITHIN WHICH AN ENTITY MUST REPORT
- 19 AN INCIDENT.
- 20 (C) THE STATE SECURITY OPERATIONS CENTER SHALL IMMEDIATELY
- 21 NOTIFY THE **DEPARTMENT AND THE OTHER** APPROPRIATE STATE AND LOCAL
- 22 GOVERNMENT AGENCIES OF A CYBERSECURITY INCIDENT REPORTED UNDER THIS
- 23 SECTION.
- 24 (D) (1) ON OR BEFORE JANUARY 1, 2027, AND EACH YEAR THEREAFTER,
- 25 THE OFFICE OF SECURITY MANAGEMENT IN THE DEPARTMENT OF INFORMATION
- 26 TECHNOLOGY SHALL PUBLISH A REPORT THAT DESCRIBES THE NUMBER AND TYPE
- 27 OF INCIDENTS REPORTED BY COMMUNITY WATER SYSTEMS AND COMMUNITY
- 28 SEWERAGE SYSTEMS IN THE PRECEDING CALENDAR YEAR.
- 29 (2) The report required under this subsection may not
- 30 IDENTIFY THE IMPACTED COMMUNITY WATER SYSTEMS OR COMMUNITY SEWERAGE
- 31 **SYSTEMS.**
- 32 **9–2708.**
- On or before July 1, 2026, and every 2 years thereafter, the
- 34 DEPARTMENT SHALL REPORT TO THE GENERAL ASSEMBLY, IN ACCORDANCE WITH

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(1)

(a)

- § 2–1257 OF THE STATE GOVERNMENT ARTICLE, ON WATER SYSTEM COMPLIANCE 1 2AND THE PROGRESS MADE REGARDING THE IMPLEMENTATION OF THE 3 REQUIREMENTS SET FORTH IN THIS SUBTITLE. Article - General Provisions 4 5 4-338. 6 (A) IN THIS SECTION, "CRITICAL INFRASTRUCTURE" HAS THE MEANING 7 STATED IN § 1-101 OF THE PUBLIC UTILITIES ARTICLE. 8 IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS (A) **(1)** 9 INDICATED. 10 "COMMUNITY SEWERAGE SYSTEM" HAS THE MEANING STATED IN **(2)** 11 § 9–501 OF THE ENVIRONMENT ARTICLE. 12 "COMMUNITY WATER SYSTEM" HAS THE MEANING STATED IN § 9–401 OF THE ENVIRONMENT ARTICLE. 13 14 **(4)** "CRITICAL INFRASTRUCTURE" HAS THE MEANING STATED (I)IN § 1–101 OF THE ENVIRONMENT ARTICLE. 15 "CRITICAL INFRASTRUCTURE" INCLUDES: 16 (II)17 1. A COMMUNITY SEWERAGE SYSTEM; AND 2. 18 A COMMUNITY WATER SYSTEM. "OPERATIONAL TECHNOLOGY" HAS THE MEANING STATED IN § 19 **(5)** 20 9–2701 OF THE ENVIRONMENT ARTICLE. 21 A custodian shall deny inspection of the part of a public record that contains 22 information about the security of an information system, OPERATIONAL TECHNOLOGY, 23OR CRITICAL INFRASTRUCTURE, INCLUDING ANY RECORDS OF A COMMUNITY WATER SYSTEM OR COMMUNITY SEWERAGE SYSTEM. 2425 Article - Public Safety 26 14–104.1.
- 28 (2) "COMMUNITY SEWERAGE SYSTEM" HAS THE MEANING STATED IN 29 § 9–501 OF THE ENVIRONMENT ARTICLE.

In this section the following words have the meanings indicated.

- "COMMUNITY WATER SYSTEM" HAS THE MEANING STATED IN § 1 2 9–401 OF THE ENVIRONMENT ARTICLE. 3 "CRISIS AND EMERGENCY RISK COMMUNICATION PLAN" MEANS A **(4)** PLAN FOR COMMUNICATING DURING AN EMERGENCY. 4 5 [(2)] (5) "Local government" includes local school systems, local school boards, and local health departments. 6 7 **[**(3)**] (6)** "Unit" means the Cyber Preparedness Unit. 8 (b) (1) There is a Cyber Preparedness Unit in the Department. 9 In coordination with the State Chief Information Security Officer, the (2)10 Unit shall: 11 support local governments in developing a vulnerability (i) assessment and cyber assessment, including providing local governments with the 12 13 resources and information on best practices to complete the assessments; 14 develop and regularly update an online database of cybersecurity training resources for local government personnel, including technical training resources, 15 cybersecurity continuity of operations templates, consequence management plans, and 16 trainings on malware and ransomware detection; 17 assist local governments in [: 18 (iii) 19 the development of cybersecurity preparedness and 1.1 20 response plans[;], INCLUDING: 21[2.] **1.** implementing best practices and guidance developed by the State Chief Information Security Officer; [and] 22 23 [3.] **2.** identifying and acquiring resources to complete appropriate cybersecurity vulnerability assessments; AND 24253. **PLANNING** PROVIDING GUIDANCE TO LOCAL 26 EMERGENCY MANAGEMENT ORGANIZATIONS FOR INCIDENTS AGAINST WATER AND 27WASTEWATER FACILITIES, INCLUDING ENSURING THAT THERE ARE PLANS FOR ALTERNATIVE WATER SUPPLIES AND MUTUAL AID AGREEMENTS SHOULD WATER 2829 **SERVICES BECOME UNAVAILABLE**;
- 30 (iv) connect local governments to appropriate resources for any other 31 purpose related to cybersecurity preparedness and response;

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(2)

include in the annual budget bill an appropriation of at least:

1 2 3	(v) as necessary and in coordination with the National Guard, local emergency managers, and other State and local entities, conduct regional cybersecurity preparedness exercises; [and]
4 5	(vi) establish regional assistance groups to deliver and coordinate support services to local governments, agencies, or regions; <u>AND</u>
6 7 8	(VII) ANNUALLY HOST AT LEAST ONE TABLETOP EXERCISE, TAILORED TO THE STATE'S WATER AND WASTEWATER SECTOR, TO CONTINUE REFINING STATE AND LOCAL GOVERNMENT RESPONSES TO CYBER INCIDENTS; AND
9 10 11 12	(VIII) DEVELOP A GUIDANCE FOR CRISIS AND EMERGENCY RISK COMMUNICATION PLAN FOR COMMUNITY WATER SYSTEMS AND COMMUNITY SEWERAGE SYSTEMS LOCAL EMERGENCY MANAGEMENT ORGANIZATIONS IN THE STATE.
13 14	(3) The Unit shall support the Office of Security Management in the Department of Information Technology during emergency response efforts.
15 16 17 18 19	(c) (1) Each local government shall report a cybersecurity incident, including an attack on a State system being used by the local government, to the appropriate local emergency manager and the State Security Operations Center in the Department of Information Technology and to the Maryland Joint Operations Center in the Department in accordance with paragraph (2) of this subsection.
20 21	(2) For the reporting of cybersecurity incidents under paragraph (1) of this subsection, the State Chief Information Security Officer shall determine:
22	(i) the criteria for determining when an incident must be reported;
23	(ii) the manner in which to report; and
24	(iii) the time period within which a report must be made.
25 26 27	(3) The State Security Operations Center shall immediately notify appropriate agencies of a cybersecurity incident reported under this subsection through the State Security Operations Center.
28 29 30	(d) (1) Five Position Identification Numbers (PINs) shall be created for the purpose of hiring staff to conduct the duties of the Maryland Department of Emergency Management Cybersecurity Preparedness Unit.

For fiscal year 2024 and each fiscal year thereafter, the Governor shall

1	(i) \$220,335 for 3 PINs for Administrator III positions; and
2	(ii) \$137,643 for 2 PINs for Administrator II positions.
3	(E) THE DEPARTMENT SHALL:
4 5	(1) INCLUDE CYBERSECURITY ATTACK INFORMATION ON THE DEPARTMENT'S "KNOW THE THREATS" WEBSITE; AND
6 7	(2) CONSIDER USING MD READY AS AN ALERT SYSTEM IF NECESSARY DEPARTMENT'S WEBSITE.
8	SECTION 2. AND BE IT FURTHER ENACTED, That:
9	(a) It is the intent of the General Assembly that:
.0 .1 .2 .3	(1) the Department of the Environment, in consultation with the Department of Information Technology, conduct a comprehensive education campaign targeted at leaders within the water and wastewater sector, emphasizing the economic value of cybersecurity prevention over remediation;
14 15	(2) the Maryland Department of Emergency Management prioritize tabletop exercises focused on water cybersecurity; and
16 17 18	(3) the Department of the Environment work closely with the U.S. Environmental Protection Agency, the U.S. Department of Defense, and other relevant organizations to identify and access resources available for local community water systems and community sewerage systems.
20 21	(b) The education campaign under subsection (a) of this section shall include mention of the following information and materials:
22 23	(1) the U.S. Environmental Protection Agency's Incident Action Checklist – Cybersecurity for all water and wastewater systems in the State;
24	(2) the National Institute of Standards and Technology's:
25	(i) Cybersecurity Framework 2.0;
26	(ii) Special Publication 800–82r3; and
27	(iii) security recommendations;
28 29	(3) reference models appropriate to the State's water and wastewater sector's operational technology networks to guide security improvements;

best practices, including network segmentation;

(4)

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$\frac{1}{2}$	(5) the federal Cybersecurity and Infrastructure Security Agency's "Top Cyber Actions for Securing Water Systems" fact sheet;
3 4	(6) the U.S. Department of Energy's Supply Chain Cybersecurity Principles;
5 6	(7) information on third–party risks to water and wastewater facilities and networks; and
7 8	(8) free resources available from federal agencies, including the Cybersecurity and Infrastructure Security Agency's:
9	(i) Cross–Sector Cybersecurity Goals; and
10	(ii) Cybersecurity Evaluation Tool.
11 12 13	(c) On or before July 1, 2026, the Department of the Environment shall report to the General Assembly, in accordance with \S 2–1257 of the State Government Article, on its efforts under subsection (a) of this section.
14 15	SECTION 3. AND BE IT FURTHER ENACTED, That this Act shall take effect October 1, 2025.
	Approved:
	Governor.
	President of the Senate.
	Speaker of the House of Delegates.