

HOUSE BILL 432

R2

0lr0599
CF SB 423

By: Delegates Korman, Barve, Cain, Carr, Charkoudian, Ebersole, Feldmark, Fennell, Fraser-Hidalgo, Healey, Kaiser, Kelly, Lierman, Love, McIntosh, Moon, Palakovich Carr, Pendergrass, Shetty, Solomon, Stewart, Turner, Valderrama, ~~and C. Watson~~ C. Watson, Holmes, and Terrasa

Introduced and read first time: January 23, 2020

Assigned to: Environment and Transportation and Appropriations

Committee Report: Favorable with amendments

House action: Adopted

Read second time: March 11, 2020

CHAPTER _____

1 AN ACT concerning

2 **Maryland Transit Administration – Conversion to ~~Electric Buses~~ Zero-Emission**
3 **Buses**
4 **~~(Electric Bus Transition Act)~~ (Zero-Emission Bus Transition Act)**

5 FOR the purpose of prohibiting, beginning in a certain fiscal year, the Maryland Transit
6 Administration from entering into a contract to purchase buses for the
7 Administration's State transit bus fleet that are not ~~electric buses~~ zero-emission
8 buses; requiring the Administration, on or before a certain date and each year
9 thereafter, to submit a report to certain committees of the General Assembly on the
10 implementation of this Act; requiring the annual report to include a schedule for
11 converting the State transit bus fleet to ~~electric buses~~ zero-emission buses
12 exclusively, an evaluation of the necessary charging infrastructure, a plan for
13 transitioning adversely affected State employees to certain similar or other
14 employment, a certain estimate of the potential reduction in emissions, and certain
15 financial analyses related to the projected costs of the conversion to ~~electric buses~~
16 zero-emission buses; providing for the application of this Act; defining certain terms;
17 and generally relating to converting the Maryland Transit Administration's fleet of
18 State transit buses to ~~electric buses~~ zero-emission buses exclusively.

19 BY adding to
20 Article – Transportation
21 Section 7-406

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

Underlining indicates amendments to bill.

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



1 Annotated Code of Maryland
2 (2015 Replacement Volume and 2019 Supplement)

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

5 **Article – Transportation**

6 **7-406.**

7 (A) (1) IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS
8 INDICATED.

9 (2) “BUS” HAS THE MEANING STATED IN § 11-105 OF THIS ARTICLE.

10 ~~(3) “ELECTRIC BUS” MEANS A BUS THAT IS PROPELLED SOLELY BY AN~~
11 ~~ELECTRIC MOTOR THAT DRAWS ELECTRICITY FROM A BATTERY THAT IS CAPABLE~~
12 ~~OF BEING RECHARGED FROM AN EXTERNAL SOURCE OF ELECTRICITY.~~

13 (3) “ZERO-EMISSION BUS” MEANS A MOTOR VEHICLE THAT IS:

14 (i) 1. DESIGNED TO CARRY MORE THAN 10 PASSENGERS
15 AND IS USED TO CARRY PASSENGERS; OR

16 2. DESIGNED AND USED TO CARRY PASSENGERS FOR
17 COMPENSATION;

18 (ii) A ZERO-EMISSION VEHICLE; AND

19 (iii) NOT A TAXICAB.

20 (4) “ZERO-EMISSION VEHICLE” MEANS:

21 (i) A FUEL CELL ELECTRIC VEHICLE THAT:

22 1. IS A MOTOR VEHICLE;

23 2. IS MADE BY A MANUFACTURER;

24 3. IS MANUFACTURED PRIMARILY FOR USE ON PUBLIC
25 STREETS, ROADS, AND HIGHWAYS;

26 4. HAS A MAXIMUM SPEED CAPABILITY OF AT LEAST 55
27 MILES PER HOUR;

1 **5. IS POWERED ENTIRELY BY ELECTRICITY, PRODUCED**
2 **BY COMBINING HYDROGEN AND OXYGEN, THAT RUNS THE MOTOR;**

3 **6. HAS AN OPERATING RANGE OF AT LEAST 100 MILES;**
4 **AND**

5 **7. PRODUCES ONLY WATER VAPOR AND HEAT AS**
6 **BY-PRODUCTS; OR**

7 **(II) A PLUG-IN ELECTRIC DRIVE VEHICLE THAT:**

8 **1. IS A MOTOR VEHICLE;**

9 **2. IS MADE BY A MANUFACTURER;**

10 **3. HAS A MAXIMUM SPEED CAPABILITY OF AT LEAST 55**
11 **MILES PER HOUR; AND**

12 **4. IS PROPELLED TO A SIGNIFICANT EXTENT BY AN**
13 **ELECTRIC MOTOR THAT DRAWS ELECTRICITY FROM A BATTERY THAT:**

14 **A. HAS A CAPACITY OF NOT LESS THAN 4**
15 **KILOWATT-HOURS; AND**

16 **B. IS CAPABLE OF BEING RECHARGED FROM AN**
17 **EXTERNAL SOURCE OF ELECTRICITY.**

18 **(B) (1) THIS SECTION APPLIES TO THE ADMINISTRATION'S STATE**
19 **TRANSIT BUS FLEET.**

20 **(2) THIS SECTION DOES NOT APPLY TO A BUS THAT IS PART OF A**
21 **LOCALLY OPERATED TRANSIT SYSTEM.**

22 ~~(B)~~ **(C) BEGINNING IN FISCAL YEAR 2022, THE ADMINISTRATION MAY**
23 **NOT ENTER INTO A CONTRACT TO PURCHASE BUSES FOR THE ADMINISTRATION'S**
24 **STATE TRANSIT BUS FLEET THAT ARE NOT ~~ELECTRIC BUSES~~ ZERO-EMISSION BUSES.**

25 ~~(C)~~ **(D) (1) ON OR BEFORE JANUARY 1, 2021, AND EACH JANUARY 1**
26 **THEREAFTER, THE ADMINISTRATION SHALL, IN ACCORDANCE WITH § 2-1257 OF**
27 **THE STATE GOVERNMENT ARTICLE, SUBMIT A REPORT TO THE SENATE BUDGET**
28 **AND TAXATION COMMITTEE, THE HOUSE APPROPRIATIONS COMMITTEE, AND THE**
29 **HOUSE ENVIRONMENT AND TRANSPORTATION COMMITTEE ON THE**
30 **IMPLEMENTATION OF THIS SECTION.**

1 **(2) THE ANNUAL REPORT SHALL INCLUDE:**

2 **(I) A SCHEDULE FOR CONVERTING THE ADMINISTRATION'S**
3 **STATE TRANSIT BUS FLEET TO ~~ELECTRIC BUSES~~ ZERO-EMISSION BUSES**
4 **EXCLUSIVELY;**

5 **(II) AN EVALUATION OF THE CHARGING INFRASTRUCTURE**
6 **NEEDED FOR THE ADMINISTRATION TO CREATE AND MAINTAIN A STATE TRANSIT**
7 **BUS FLEET OF ~~ELECTRIC BUSES~~ ZERO-EMISSION BUSES EXCLUSIVELY;**

8 **(III) A PLAN FOR TRANSITIONING ANY STATE EMPLOYEES**
9 **ADVERSELY AFFECTED BY THE CONVERSION FROM A DIESEL-POWERED STATE**
10 **TRANSIT BUS FLEET TO ~~AN ELECTRIC-POWERED A ZERO-EMISSION STATE~~ TRANSIT**
11 **BUS FLEET TO SIMILAR OR OTHER EMPLOYMENT WITHIN THE ADMINISTRATION OR**
12 **DEPARTMENT THAT HAS COMMENSURATE SENIORITY, PAY, AND BENEFITS;**

13 **(IV) IN COORDINATION WITH OTHER APPROPRIATE STATE**
14 **AGENCIES, AN ESTIMATE OF THE REDUCTION IN THE AMOUNT OF CARBON DIOXIDE**
15 **EMISSIONS, MEASURED IN POUNDS, THAT WILL BE OBTAINED THROUGH THE USE OF**
16 **~~ELECTRIC BUSES~~ ZERO-EMISSION BUSES EACH YEAR UNTIL THE STATE TRANSIT**
17 **BUS FLEET IS CONVERTED TO ~~ELECTRIC BUSES~~ ZERO-EMISSION BUSES**
18 **EXCLUSIVELY; AND**

19 **(V) A FINANCIAL ANALYSIS:**

20 **1. OF THE PROJECTED COST OF PURCHASING,**
21 **MAINTAINING, AND PROVIDING CHARGING INFRASTRUCTURE FOR THE ~~ELECTRIC~~**
22 **ZERO-EMISSION STATE TRANSIT BUS FLEET EACH YEAR UNTIL THE FLEET IS**
23 **CONVERTED TO ~~ELECTRIC BUSES~~ ZERO-EMISSION BUSES EXCLUSIVELY; AND**

24 **2. COMPARING THE PROJECTED COST UNDER ITEM 1 OF**
25 **THIS ITEM TO THE PROJECTED COST OF CONTINUING TO OPERATE A**
26 **DIESEL-POWERED STATE TRANSIT BUS FLEET.**

27 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
28 October 1, 2020.