

Department of Legislative Services
Maryland General Assembly
2021 Session

FISCAL AND POLICY NOTE
First Reader

House Bill 63 (Delegate Williams)
Environment and Transportation and
Appropriations

State Finance - Prohibited Appropriations - Magnetic Levitation Transportation System

This bill prohibits the State (or any unit or instrumentality of the State) from using any appropriation for a magnetic levitation (Maglev) transportation system located or to be located in the State. The bill does not apply to expenditures for the salaries of personnel assigned to review permits or other forms of approval for a Maglev transportation system. **The bill takes effect June 1, 2021.**

Fiscal Summary

State Effect: No immediate effect. There are no current plans to appropriate funding for a Maglev system; however, the bill could have an effect on any future Maglev project.

Local Effect: No immediate effect.

Small Business Effect: None.

Analysis

Current Law: None directly relevant. For information on the status of Maglev transportation projects in the State, please see the **Appendix – Magnetic Levitation Transit Systems in Maryland.**

Additional Information

Prior Introductions: SB 253 of 2020, a bill with a similar provision, received a hearing in the Senate Budget and Taxation Committee, but no further action was taken. Its cross file, HB 715, received a hearing in the House Appropriations Committee but was subsequently withdrawn. SB 200 of 2019, a bill with a similar provision, received a hearing in the Senate Budget and Taxation Committee, but no further action was taken. Its cross file, HB 1296, was referred to the House Rules and Executive Nominations Committee, but no further action was taken.

Designated Cross File: SB 188 (Senator Pinsky) - Budget and Taxation and Education, Health, and Environmental Affairs.

Information Source(s): Maryland Department of Transportation; Baltimore City; Anne Arundel, Baltimore, and Prince George's counties; Department of Budget and Management; Department of Legislative Services

Fiscal Note History: First Reader - January 21, 2021
an/lgc

Analysis by: Richard L. Duncan

Direct Inquiries to:
(410) 946-5510
(301) 970-5510

Appendix – Magnetic Levitation Transit Systems In Maryland

Magnetic Levitation Trains – Generally

Unlike traditional steel wheel trains that travel along rails, magnetic levitation (Maglev) trains use superconducting magnets to levitate train cars. Magnets attached to the train interact with magnets along rails within a concrete guideway to propel the train. The [U.S. Department of Energy](#) (DOE) reports that a Maglev train can travel at speeds of up to 375 miles per hour with very little turbulence compared to steel wheel trains. DOE also notes that Maglev trains are safer than traditional trains; for example, traditional train derailments that result from cornering too quickly are nearly impossible. Several countries have implemented Maglev train systems, including Germany, Japan, and South Korea, and many others have explored the prospects of doing so.

History of Maglev in Maryland

The federal Transportation Equity Act for the 21st Century (TEA-21), which was signed into law in 1998, authorized federal funding to implement a Maglev system in the United States. Funding through TEA-21 lapsed in 2003, and although the Act did not result in the implementation of a Maglev system, several states explored the costs and benefits of doing so. Maryland was particularly interested because a Maglev system could significantly reduce the travel time between Baltimore City and the District of Columbia.

The Maryland Department of Transportation (MDOT) began to devote funding to the development and evaluation of a Maglev system in fiscal 2001. At that time, the Federal Railroad Administration (FRA) and MDOT commenced the Environmental Impact Study (EIS) for the project, which is required by the National Environmental Policy Act.

The final EIS was never published, however, because State legislation enacted in 2003 and 2004 prohibited the funding of a Maglev project following the final report of the Task Force to Evaluate the Development and Construction of a Magnetic Levitation Transportation System. In its final report, which was issued in 2003, the task force noted that, among other challenges, a significant amount of funding would be required to implement a Maglev system in Maryland. As a result, during the 2003 session, the General Assembly prohibited spending any State funds to study, develop, or construct a Maglev system and required the enactment of legislation prior to any agreement to construct or operate such a system. During the 2004 session, these provisions were modified to prohibit any State or federal funding for any phase of a Maglev project after

July 1, 2005. The Budget Reconciliation and Financing Act of 2011, however, repealed these prohibitions.

Current Status of Maglev in Maryland

The Baltimore-Washington Superconducting Magnetic Levitation (SCMAGLEV) Project, which has been proposed by a private company, is a proposed Maglev train system between Baltimore City and the District of Columbia, with an intermediate stop at the Baltimore Washington International Thurgood Marshall Airport. In 2016, MDOT was awarded \$27.8 million by FRA to conduct the required EIS. The [estimated completion date](#) of the EIS is January 2022. Additional information about the project can be found on the [Baltimore-Washington SCMAGLEV Project website](#).