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## SENATE JOINT RESOLUTION NO. 32

Offered January 8, 2020

Prefiled January 6, 2020

*Requesting the Department of Environmental Quality to study the impact of electric vehicles and develop a Clean Transportation Plan. Report.*

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Patron—Bell

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Referred to Committee on Rules

WHEREAS, each year, American passenger cars and trucks, through vehicle tailpipe and oil extraction and transport emissions, spew upwards of three trillion tons of carbon pollution into the air by burning about 121 billion gallons of gasoline; and

WHEREAS, fully electric vehicles use electricity to power a battery instead of an internal combustion engine and therefore do not rely on gasoline or require oil changes; and

WHEREAS, in almost in every region of the country, carbon emissions from the electricity sources used to power electric vehicles are lower than the emissions from conventional cars; and

WHEREAS, due to federal, state, and industry rebates and tax credits, decreasing prices in electric vehicle technology, and the cheaper price of electricity in comparison to gasoline, the cost of owning and operating an electric vehicle is now notably lower than that of many conventional vehicles; and

WHEREAS, incentives and initiatives on a state level can help to educate the public about the benefits of electric cars, expand necessary infrastructure and accessibility, and keep electric vehicles affordable for middle-class and low-income individuals; now, therefore, be it

RESOLVED by the Senate, the House of Delegates concurring, That the Department of Environmental Quality be requested to study the impact of electric vehicles and develop a Clean Transportation Plan.

In conducting its study, the Department of Environmental Quality shall (i) review the state of the electric vehicle market in the Commonwealth; (ii) establish objectives for electric vehicle adoption, with the goal of reducing transportation emissions from the 2015 baseline by 26 percent by 2025; (iii) propose strategies to increase electric vehicle adoption.; (iv) provide estimates of the impacts from increased electric vehicle adoption, including savings to consumers and workforce opportunities; (v) estimate the number of electric vehicle charging stations required to support the number of electric vehicles; (vi) propose strategies for expanding electric vehicle charging infrastructure; (vii) identify state and local policy and ordinance changes that would encourage the adoption of electric vehicles, and electric vehicle charging and electric vehicle-ready infrastructure; (viii) consider and develop recommendations on the viability of adopting the Advance Clean Car emission standards, including the Zero-Emission Vehicle mandate; and (ix) recommend actions that may be undertaken by state agencies to advance the Department of Environmental Quality's goals and objectives developed pursuant to this study. In conducting the study, the Department of Environmental Quality shall hold meetings to obtain stakeholder and public input, including the opportunity for review of draft findings and recommendations.

All agencies of the Commonwealth shall provide assistance to the Department of Environmental Quality for this study, upon request.

The Department of Environmental Quality shall complete its meetings by November 30, 2020, and shall submit to the Governor and the General Assembly an executive summary and a report of its findings and recommendations for publication as a House or Senate document. The executive summary and report shall be submitted as provided in the procedures of the Division of Legislative Automated Systems for the processing of legislative documents and reports no later than the first day of the 2021 Regular Session of the General Assembly and shall be posted on the General Assembly's website.

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