

Infrastructure Investment and Jobs Act (H.R. 3684)

Summary of the EV provisions

We are in the midst of an historic period in Washington as Congress considers a substantial investment in the nation's infrastructure. On this page, we summarize and track EV-related provisions in the Infrastructure Investment and Jobs Act.

Atlas Public Policy tracked the electric vehicle (EV) components – pulling any elements that call out or may refer to EV provisions. This [content](#) is updated on the EV Hub, www.atlasevhub.com.

*Last Updated: October 13, 2021 at 4:10 pm ET. ** in table denotes recently updated.*

A few notes on the data:

- The data source is the [latest version of the Build Back Better Act](#), released on October 28, 2021. An [earlier version was released](#) on September 23 and was valued at \$3.5 trillion.
- Cost estimates for the tax credits have been pulled from the [estimates](#) prepared by the Joint Committee on Taxation. These estimates were published on September 13 and so may not reflect updates to the scope of the credits in the bill. These costs have been included as a guide and are denoted with ** in the About column in the table below.
- ZEV Dedicated funding refers to funding dedicated to zero emissions vehicles. Other ZEV Eligible funding refers to initiatives where EVs are eligible but the funding is not dedicated to EVs. Both categories include manufacturing that may impact EV production and deployment.
- There is funding for oversight of EV programs, but we have not included that funding in this summary.
- We excluded sections referencing hydrogen and biofuels if they not listed as part of sections with electric vehicles.
- DOE refers to the Department of Energy. DOT refers to the Department of Transportation. EPA refers to the Environmental Protection Agency.

This table was compiled by the staff at Atlas Public Policy with help from Larissa Koehler from EDF and Max Baumhefner from NRDC.

Section Number	Title	Description	Lead Agency	Supporting Agency	Funding (\$ millions)	Type of Funding	Funding Targets
11129	Electric Vehicle Charging Stations Standards	Requires non-proprietary charging connectors and open access payment	DOT		Not stated	Clean	Charging, EVs
11401	Grants for charging and fueling infrastructure	Grant program for publicly accessible electric vehicle charging infrastructure, hydrogen fueling infrastructure, propane fueling infrastructure (for MD and HD vehicles only), and natural gas fueling infrastructure. Priority to rural areas, low- and moderate-income neighborhoods, and communities with low rate of private parking. Grants of up to \$15 million.	DOT	DOE	\$2,500	Clean	Rural, Underserved Communities, Charging, EVs
11402	Reduction of Truck Emissions at Port Facilities	Program to reduce truck idling at port facilities including to study port electrification, study emerging technologies and fund projects that reduce port related emissions.	DOT	DOE, EPA	\$250	Clean	Ports, Trucks
11403	Carbon Reduction Program	Carbon reduction program to reduce transportation emissions. Eligible projects include efforts to reduce the environmental and community impacts of freight movement, as well as projects to support deployment of alternative fuel vehicles and reduce transportation emissions at port facilities. Funding amount included in \$273 billion allocated to Federal-Aid	DOT		Not stated	Clean	EVs, Ports

Section Number	Title	Description	Lead Agency	Supporting Agency	Funding (\$ millions)	Type of Funding	Funding Targets
		Highway Program under section 119 of title 23					
23009	Truck Leasing Task Force	Task force has to examine “specific agreements available to drayage drivers at ports relating to the Clean Truck Program or any similar program to decrease emissions from port operations.”	DOT	Labor	Not stated	Clean	EVs, Ports
25006	Electric Vehicle Working Group	Working group to be established with Government, utilities, manufacturers including to report on the barriers to greater EV adoption. Group to prepare 3 reports – first report due in 18 months.	DOT and DOE	EPA, CEQ, GSA	Not stated	ZEV	EV
30018	Fleet Transition Plan	Requires grant applicants to submit zero emission transition plan that addresses workforce transition, costs, and other relevant indicators. Allocates at least 25 percent of the funds made available to carry out this sub-24 section, only consider eligible projects related to the acquisition of low or no emission buses or bus facilities other than zero emission vehicles and related facilities.	DOT		\$3,938	Clean	Buses, EVs
40107	Deployment of Technologies to Enhance Grid Flexibility	Funding eligible for various methods of enhancing grid flexibility, including vehicle-to-grid technologies.	DOE		\$3,000	Grid	Grid, EVs

Section Number	Title	Description	Lead Agency	Supporting Agency	Funding (\$ millions)	Type of Funding	Funding Targets
40109	State Energy Program	State Energy Program mandate (in the Energy Policy and Conservation Act) amended to include: “programs to increase transportation energy efficiency, including programs to help reduce carbon emissions in the transportation sector by 2050 and accelerate the use of alternative transportation fuels for, and the electrification of, State government vehicles, fleet vehicles, taxis and ridesharing services, mass transit, school buses, ferries, and privately owned passenger and medium- and heavy-duty vehicles”. Unclear how much of the Program budget allocated to Transportation Electrification (TE).	DOE		\$500	Clean	Buses, EV
40112	Demonstration of electric vehicle battery second-life applications for grid services	“Project to demonstrate second-life applications of electric vehicle batteries as aggregated energy storage installations to provide services to the electric grid”	DOE		Not stated	ZEV	Batteries, Grid
40207	Battery processing and manufacturing	Programs to support a domestic supply chain for battery production. Programs include: – \$3,000 (battery material processing grants) – \$3,000 (battery manufacturing and recycling grants)	DOE		\$6,135	Grid	Batteries, EVs.

Section Number	Title	Description	Lead Agency	Supporting Agency	Funding (\$ millions)	Type of Funding	Funding Targets
		<ul style="list-style-type: none"> – \$10 (Lithium-Ion Battery Recycling Prize) – \$60 (Battery Recycling Research, Development, and Demonstration Grants) – \$50 (State and Local Programs) – \$15 (Collection system for batteries) 					
40208	Electric drive vehicle battery recycling and second-life applications program	Amendment to the Energy Independence and Security Act to include EV batteries. Funding to maintain a North American battery supply chain, program of research, development, and demonstration of second life applications and technologies and processes for final recycling and disposal of batteries. Funding also for grant program, study and report on recycling and second-life applications.	DOE		\$200	ZEV	Batteries
40209	Advanced Energy Manufacturing and Recycling Grant Program	Funding eligible for a variety of “advanced energy” manufacturing facilities, which includes facilities that manufacture EVs and EV charging components.	DOE		\$750	Grid	EVs, Batteries, Charging
40210	Critical Minerals Mining and Recycling Research	Grants to support supply chain resiliency that support basic research that will accelerate innovation to advance critical minerals	DOT	National Science Foundation, Department of the Interior,	\$400	Grid	Manufacturing

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		mining, recycling, and reclamation strategies and technologies		Department of Commerce			
40414	Data Collection on Electric Vehicle Integration with the Electricity Grids	Project to expand data collection with respect to EV integration into electricity grids.	EIA	DOT, EPA, DOE	Not stated	ZEV	Data, Grid, EVs
40431	Consideration of Measures to Promote Greater Electrification of the Transportation Sector	States to promote greater transportation electrification by amending rates to: 1. Promote affordable and equitable EV charging 2. Improve customer experience with EV charging 3. Accelerate third party investment in EV charging infrastructure 4. Recover marginal costs of electricity delivery to EVs and infrastructure	State PUCs		Not stated	ZEV	Grid, EVs
40435	Study on impact of electric vehicles	Study to look at the “cradle to the grave” environmental impact of electric vehicles.	DOE		Not stated	ZEV	EVs
40436	Study on impact of forced labor in China on the electric vehicle supply chain	Study to look at the impact of forced labor in China on the electric vehicle supply chain.	DOE	DOS, DOC	Not stated	ZEV	EVs
40541	Grants for Energy Efficiency Improvements and Renewable Energy	Funding for improvements at Public Schools, including for installing alternative fueled vehicle infrastructure for school buses,	DOE	DOT, Local Education Agencies	\$500	Clean	Buses, Charging.

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	Improvements at Public School Facilities.	fleets, students, and the general public. Funding can also be used to procure alternative fuel vehicles.					
71101	Clean School Bus Program (zero-emission buses only)	Funding for zero emissions school buses.	EPA		\$2,500	Zev	Buses
71101	Clean School Bus Program (zero-emission buses or lower emission buses)	Funding for zero emissions and low emissions school buses.	EPA		\$2,500	Clean	Buses
71102	Electric or Low Emitting Ferry Pilot Program	Electric or low emitting ferry pilot that provides grants for the purchase of “alternative” fuel and electric ferries.	DOT		\$250	Clean	Ferries
Division J	National Electric Vehicle Formula Program	Funding to states to “strategically” deploy EV charging, maintenance for the infrastructure and “establish an interconnected network to facilitate data collection, access and reliability”.	DOT	DOE, States	\$5,000	ZEV	Charging, EVs
NA	Port Infrastructure Development Program	Funding for projects that improve resiliency of ports, including port electrification and “Electric vehicle charge or hydrogen refueling infrastructure for drayage, and medium or heavy-duty trucks and locomotives that service the port and related grid upgrades.”	DOT		\$2,250	Clean	Ports, EVs, Charging