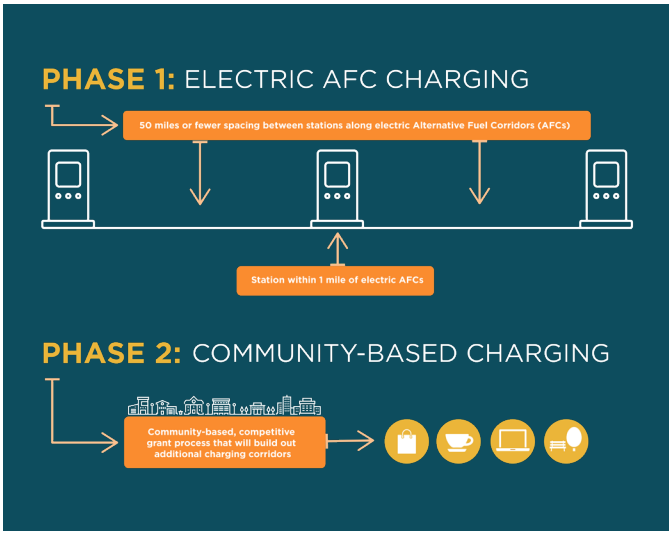
West Virginia NEVI Program Workshop Series

What is the NEVI Program?

The West Virginia (WV) National Electric Vehicle Infrastructure (NEVI) Program provides federal funding for West Virginia to strategically deploy electric vehicle (EV) charging stations and to establish an interconnected network to facilitate data collection, access, and reliability. The national program is administered by the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). The five-year program was enacted as the Infrastructure Investment and Jobs Act (IIJA).

Program Phases

Phase 1 of the West Virginia NEVI program focuses on meeting the fast-charging spacing requirements for the Alternative Fuel Corridors (AFCs) in the state. AFCs are required to have EV charging stations every 50-miles or less and have 4 Direct Current Fast Charging (DCFC) charging ports at each station. Once this requirements is met, program funds can be spent in other areas of the State. Phase 2 of the West Virginia NEVI program will focus on identifying additional areas to locate EV charging stations in the State.



Take the Survey

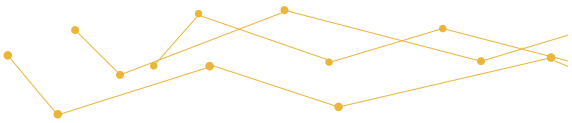
Please tell us what you think! You can use this QR code to access the online survey.

The purpose of the survey is to get input on-state-wide priorities for the West Virginia NEVI program.

EV Charging Infrastructure

EV charging infrastructure is also referred to as Electric Vehicle Supply Equipment (EVSE) and charging stations. There are three types of EV charging technologies currently available in the market for passenger vehicles.

EVSE	Power Level	Charge Rate (miles / hr)	Install Cost	Charging Use Cases	Key Points
Level 1	1 - 1.8 kW	3 - 7	$	**Home / Overnight**	Standard equipment for most electric vehicles Slower charging speed > eight hours - (full charge) Foundational technology that is aging out
Level 2	3.3 - 19.2 kW	10 - 60	$$	**Home-work / Destination / Community**	Slower charging speed > two hours - (full charge) Short-range travel (commuting, intra-regional) Currently accounts for ~80%of all charging demand
	7.7 kW typical	26			
Level 3 Direct Current Fast Charging (DCFC)	50 kW	175	$$$	**Long-Range Travel**	Fast charging speed ~30 minutes - (full charge) Long-range travel (evacuation, inter-regional)
	150 kW	500			
	350 kW	1,200			



Comments

Mail Comments To:

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