

Mid-Atlantic Electrification Partnership



A Regional Electrification Ecosystem
of Intermodal Leadership for Efficient
Intercity Travel and Community Benefit

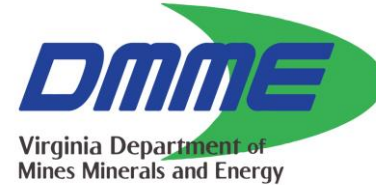
2021

Alleyn Harned
Virginia Clean Cities

Regional Leadership



Introduction of Key Partners



Deliverables



Overall Project Management Planning and Reporting	Kickoff and Kickoff Meeting	Educational and Analysis Programming	Infrastructure Deployment	Vehicle Deployment
DMME	DMME	EVNoire (Education)	Virginia Clean Cities (Lead)	GWRCCC (Lead)
Virginia Clean Cities JMU (Coalition Lead)	Virginia Clean Cities JMU	Argonne (Analysis)	GWRCCC	WV Clean State Program
Clean Cities Coalition Partners	Clean Cities Coalition Partners	Clean Cities Coalition Partners	WV Clean State Program	BGE
GWRCCC (DC and Maryland Lead)	Argonne	Virginia Clean Cities JMU	Pepco / BGE	Pepco
	EVNoire	DMME	DMME	Environmental Offices and State Agencies
		Utilities	Environmental Offices and State Agencies	Greenspot
		Environmental Offices and State Agencies	Blink	Other Utility Partners
		Charging and Vehicle Partners	Greenspot	
		Envision	Other Utility Partners	
		Port and Logistics Partners	Sonny Merryman	
			Local Government Partners	
			Envision	

Project Elements



	Quarter	Kickoff & Report	Analysis	SM DCFC	BGE DCFC	Pepco DCFC	Solar Charging	EV School buses	EV Shuttles	Education Events	WV MD Corridor	EV Rideshare	Hub Rideshare	144 Hub L2	19.2 L2
2020	1	Kickoff		Start			Start	Start	Start	Plan					
2021	2	.	Start	.	Start	Start	.	.	.	Start		Start		Start	Start
	3	.	2	Done	.	.	.	.	.	3	Start	.		0	20
	4	.	.		.	.	.	2	2	5	2	33		0	60
	5	Report	3		10	5	.	.	.	7	.	.		10	75
2022	6	.	4		.	.	1	.	.	9	4	.	Start	20	100
	7	.	.		Done	Done	.	.	.	11	.	66	.	50	115
	8	.	.				.	4	4	13	.	.	.	80	125
	9	Report	5				.	.	.	15	6	.	.	100	150
2023	10	.	.				Done	.	.	17	.	.	50	110	175
	11	.	6					Done	Done	19	.	.	.	120	175
	12	.	.							21	.	Done	.	144	200
	13	Done	Done							Done	Done		Done	Done	Done
	Goal:	100	8	2	20	12	2	6	4	23	8	100	72	144	200

Energy Zones Mapping Tool (EZMT)

For Mid-Atlantic Electrification Partnership—Argonne’s EZMT tool will provide both a mapping resource, and a platform to share the results of this work:

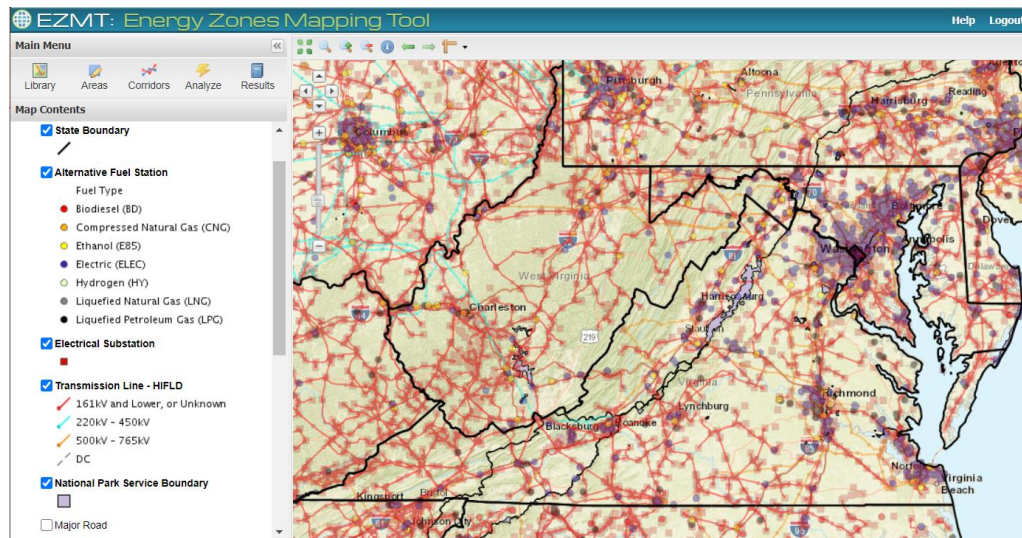
- Display energy infrastructure, hourly traffic volumes, truck stop locations, and other layers.
- Develop metrics to evaluate charging locations
- Quantify feasibility of the locations

Planned additions from this project:

- Map display of analysis products
- Downloadable data
- New modeling layers

Argonne will create an overview of the analysis, and host and record a demo on how to use the EV data and tools in the EZMT.

EZMT modeling results will also be used to analyze the buildout of DCFC infrastructure along alternative fuel corridors within the region.



Example EZMT map view of the project area, with alternative fuel stations, substations, transmission lines, and national parks. [www. https://ezmt.anl.gov/](https://ezmt.anl.gov/)

Build and Share

