



US Army Corps  
of Engineers

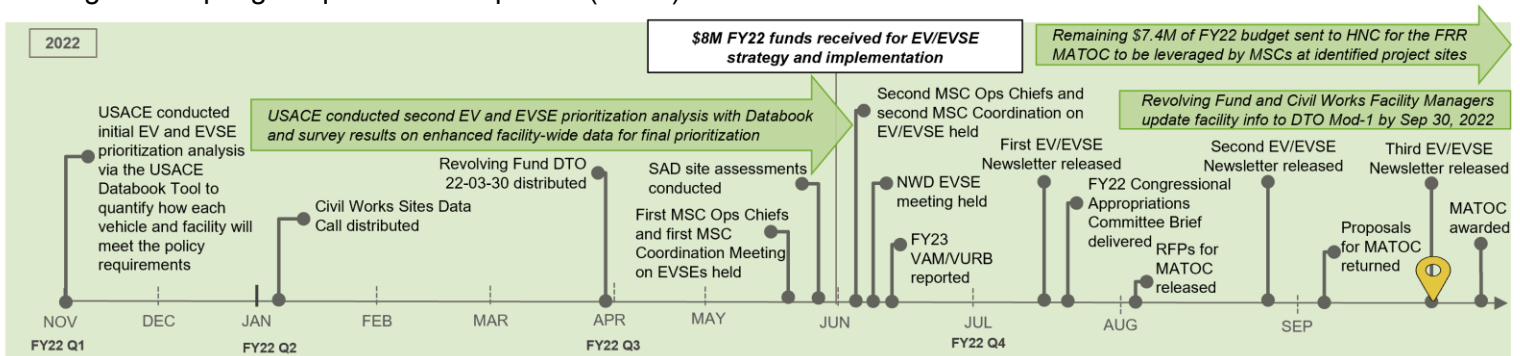
# SEP 2022 EV/EVSE NEWSLETTER

**BUILDING STRONG®**

As we near the end of this fiscal year (FY), HQUSACE is looking forward to continuing support and exciting progress in MSC electric vehicle (EV) acquisitions and electric vehicle supply equipment (EVSE) installation.

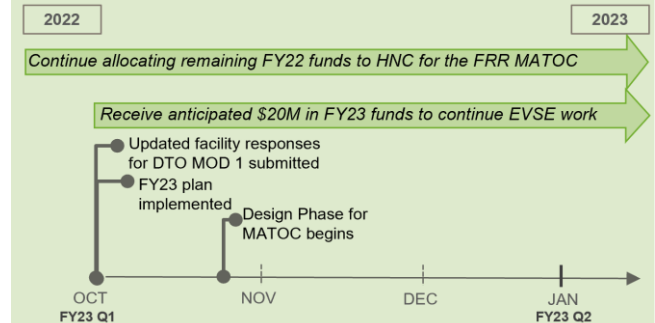
## KEY FY22 MILESTONES

- ✓ Designed the USACE DATABOOK Tool to rack and stack facilities for site prioritization and funding allocation
- ✓ Received \$8M in FY22 funds for EVSE strategy and implementation
- ✓ Issued two agency-wide initial site assessment surveys: 1) the Data Call for Civil Works sites and 2) the Daily Tasking Order (DTO) 22-03-30 for Revolving Fund sites
- ✓ Identified 55 priority locations for installation of a total of 296 EVSE ports
- ✓ Delivered \$7.4M of the total allocated funds to HNC for the Facilities Repair & Renewal (FRR) multi-award task order contract (MATOC) to be leveraged by MSCs nationwide
- ✓ Briefed USACE Leadership and Congressional Appropriations Committee on current and future EVSE efforts
- ✓ Began accepting Requests for Proposals (RFPs) from contractors on HNC's FRR MATOC



## KEY FY23 PRIORITY ACTIONS

- Receive the anticipated \$20M in FY23 funds for continued implementation of EVSE
- Receive updated facility responses from project sites (both Civil Works and Revolving Fund) via DTO MOD 1
- Solicit and award contract proposals for the FRR MATOC
- Allocate additional funds to priority USACE sites for site assessment and EVSE installation
- Increase zero-emissions vehicle acquisitions and optimize fleet size and composition



HQUSACE has published the FY23 Corps-wide EV/EVSE Data Call via DTO 22-03-30 MOD 1. **Access the Data Call [here](#) and provide updated data by September 30.** Timely data entry is critical to facilitate rapid distribution of funding and support for FY23 EVSE siting installation; however the Data Call will remain open through mid-October to accommodate other FY-end taskers required by MSCs.

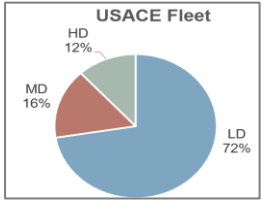
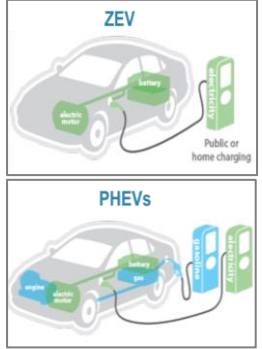
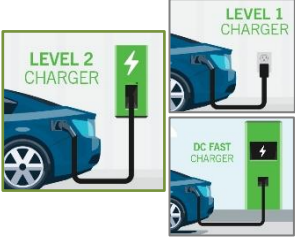
### EVSE Installation Status:

As we approach the end of FY22, 296 EVSE ports have been sited for installation. Along with the 40 existing ports already installed across the Corps, this brings USACE's total of existing and projected ports up to 336 moving into FY23. Projected numbers are subject to change based on evolving project site data, fleet data, and funding options.

MSC	Existing Ports (installed prior to FY22)	Ports Sited for FY22 Installation	Projected Funding to Meet 2027 Goal
LRD	0	0	\$-
MVD	5	5	\$ 125,000
NAD	0	0	\$ -
NWD	16	58	\$ 1,450,000
POD	0	0	\$ -
SAD	0	155	\$ 3,875,000
SPD	11	12	\$ 300,000
SWD	4	66	\$ 1,650,000
HECSA, HQ GAO	4	0	\$ -
<b>Total</b>	<b>40</b>	<b>296</b>	<b>\$ 7,400,000</b>
<b>Total across USACE, pending sited for FY22 installation</b>			<b>336</b>

## Answering Key Questions from the Field

Keeping with USACE's goal to provide accurate, complete, and transparent information on EV and EVSE deployment, this callout box will be a recurring feature of the monthly EV/EVSE Newsletter. Per questions received since the last Newsletter, below are definitions of key fleet, EV, and EVSE terminology.

DoD Vehicle Classifications:		
<b>Light-Duty (LD)</b>	Vehicles weighing 8,500 lbs. gross vehicle weight rating (GVWR) or less. Examples include sedans, station wagons, caryalls, minivans, subcompact SUVs, passenger vehicles, LD pickups, and utility vans.	
<b>Medium-Duty (MD)</b>	Vehicles weighing between 8,500 lbs. and 16,000 lbs. GVWR. Examples include trailers, dump-trucks, MD pickups, and fuel trucks.	
<b>Heavy-Duty (HD)</b>	Vehicles weighing over 16,000 lbs GVWR. Examples include heavy trailers, heavy semis, freightliners, worksters, and Ford F-550.	
Types of Vehicles:		
<b>ICE Vehicle</b>	Traditional vehicles powered by gasoline internal combustion engines (ICEs)	
<b>Alternative fuel vehicles</b>	Vehicles that rely on alternative fuel, including low GHG-emitting, compressed natural gas, electric, and plug-in hybrid.	
<b>Zero-emission vehicles (ZEV)</b>	Vehicles that produce zero tailpipe exhaust emissions of any criteria pollutant	
<b>Electric vehicle (EV)</b>	Derives all or part of its power from electricity using an electric motor	
<b>Plug-in hybrid vehicle</b>	Uses both an electric motor and an ICE to be powered by both gas/diesel and electric chargers.*	
<b>Battery EV</b>	Uses only power through electric chargers through a large traction battery.*	
<b>Fuel-cell EV</b>	Use a fuel-cell stack and a battery engine powered by hydrogen and emit water vapor and warm air.*	
Types of EVSE/Charging Stations:		
<b>Level 1</b>	Delivers 120volt (V) charge, replenishing a battery at a rate of 2-5 miles of range per hour of charging time. Full charge takes ~7-30 hrs.	
<b>Level 2</b>	Delivers 208-240V charge, replenishing a battery at a rate of 10-20 miles of range per hour of charging time. Full charge takes ~2-5 hrs. Level 2 is the best option for USACE ZEVs based on cost and efficiency.	
<b>Level 3 / Direct Current (DC) Fast Charging</b>	Delivers up to 480V charge, replenishing an EV battery at a rate of 50-90 miles of range per <i>half hour</i> of charging time. Full charge takes ~30 min.	

\*Counts as a ZEV for the purposes of the Executive Order 14057 goal of 100% light-duty ZEV emissions by 2027.

*Do you have questions you would like to see answered here?*

*Please send them to Brian Wilson (contact information below) for incorporation into future newsletters.*

### Points of Contact

If you have any questions related to EVs, EVSE, policy requirements, USACE's strategic plan, or related subject areas, please contact one of the names listed below. For specific questions related to Civil Works sites, reach to Mr. Brian Wilson. For specific questions related to Revolving Fund sites, reach to Ms. Marti Sedgwick.

Civil Works, National Environmental Compliance, Sustainability and Energy Program Manager <b>Mr. Brian Wilson</b> brian.j.wilson@usace.army.mil, (202) 235-3194 Civil Works Operations	Logistics/Directorate of Logistics/G4, DRU Engineer <b>Ms. Marti Sedgwick</b> margaret.w.sedgwick@usace.army.mil, (910) 232-9600 USACE Logistics	Geospatial Program Manager, Installations Support <b>Mr. Jay Plucker</b> julius.plucker2@usace.army.mil, +49 (0) 611 9744 2736 Huntsville Engineering Center
Military Programs, AMP/CUP Program Manager <b>Mr. Murty Dinivahi</b> murty.v.dinivahi@usace.army.mil, (972) 302-7792 Military Programs	Sustainability Programs, National Sustainability Program Manager <b>Mr. Mike Early</b> michael.j.early@usace.army.mil, (202) 762-0414 Military Programs/Environmental Division	Huntsville Program Manager, Fleet Engineer <b>Mr. Brian Spear</b> brian.t.spear@usace.army.mil, (256) 895-1976 Huntsville Engineering Center

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