



Illinois Budgeting for Results Commission Bi-Monthly Meeting Minutes for April 26, 2024

Welcome and Introductions

Commissioner Davis called the meeting to order at 1:30 pm. Attendees gathered at the following locations:

- Room 500 ½ Stratton Bldg., 401 South Spring Street, Springfield, Illinois 62704; and
- Room 555, 4S. 555 W. Monroe St. Chicago, Illinois 60661.

Roll Call

Commissioner Davis requested the BFR staff to call the roll. The roll was called, and a quorum was established. The attendance of Commissioners was recorded as follows:

- Members Present: Will Davis (Chicago), Meg Cappel (Chicago), and Brittany Maruna (Springfield)
- Attendance by Proxy:
 - Curt Clemons Mosby (Will Davis) and Patrick Nolan (Will Davis) attended by proxy pursuant to Section 50-25 of the State Budget Law. See 15 ILCS 20/50-25(c)(3).
- Members Present by Means of Video or Audio Conference: :
 - Commissioner Cappel moved to allow Commissioner Pete Duncan to participate virtually pursuant to Section 7 of the Open Meetings Act. 5 ILCS 120/7. Commissioner Davis seconded the motion. The motion passed by unanimous voice vote. Commissioner Duncan attended by means of video conference. Commissioner Duncan confirmed he could see and hear the meeting's proceedings.

Presentations on Electric Vehicles and Charging Stations

At the request of Commissioners at the meeting held on December 1, 2023, BFR staff invited subject matter experts from state agencies to present throughout the year on topics of interest to the Commission. The following presentations were given at this meeting:

- State EV Charging Programs - presented by Megha Lakhchaura, Illinois Electric Vehicle Officer of the Illinois Governor's Office; and
- Fleet EVs & Charging - presented by Vishnu Srinivasaraghavan, Director of Environmental Health and Safety, within Central Management Service's Director's Office, and Georgette Varner-Haynes, Policy Advisor, within Central Management Service's Bureau of Fleet Operations.

The Commissioners held brief discussion and asked questions of the presenters after each presentation. In addition, Commissioner Davis mentioned that each of the presenters may be asked to give a similar presentation before various committees in the Illinois House of Representatives.

See attachments one and two providing the slides from both presentations.

Review and Approval of Prior Bi-Monthly Meeting Minutes

Commissioner Cappel moved to approve the February 23, 2024, BFR Commission meeting minutes. Commissioner Nolan seconded the motion. The motion passed by unanimous voice vote.

State Mandates Cleanup Update

The Commissioners discussed the following bills as part of the Spring 2024 mandate cleanup exercise.

- [HB5601](#) - Commissioner Davis stated that this bill has been voted on in the House and has advanced to the Senate.
 - HB5601 is an omnibus bill providing fund and non-fund cleanup of statutory mandates that are obsolete or unduly burdensome to the operations of state government.
- [SB3760 and SB3761](#) - Commissioner Cappel stated that these bills were referred to the Assignments Committee in the Senate in February 2024 and remain there.
 - SB3760 codifies the advisory status of the Youth Budget Commission to operate under certain provisions of the Open Meetings Act.
 - SB3761 is a fund clean-up bill specific to the School Construction Bond Act.

Summer / Fall 2024 Mandates Collection

The BFR staff are soliciting the state agencies for any mandates those agencies believe to be obsolete or unduly burdensome to their operations and, therefore, request relief pursuant to Section 50-25 of the State Budget Act (15 ILCS 20/50-25). The timeframe for state agencies to submit their requests to the BFR staff is through June 2024. The mandate relief working group will review the scope and intent of each request submitted.

Identify Members of the Mandates Working Group

The BFR staff asked for any BFR Commissioners interested in serving on the mandate relief working group. In general, the time commitment involved is two virtual meetings with the possibility of a third meeting. The meetings will be held in August 2024.

Open Meetings Act Training Certificate

The BFR staff reminded Commissioners to complete their required Open Meetings Act training and turn in their certificates if they have not done so already.

Public Comment

Commissioner Davis acknowledged that BFR meetings are open to the public and asked if there were any questions or comments from the public. No questions or comments were received.

New Business

Commissioner Davis asked if Commissioners have any new business. No new business was raised.

The BFR staff reminded Commissioners that the presentation topics at the next meeting will be Diversity, Equity, Inclusion, and Accessibility and Equity and Racial Justice. Commissioner Davis commented that Illinois has created a [Commission on Equity and Inclusion](#) and recommended Nikita Richards as a presenter. Nikita currently serves as the Internal / External Communications & Legislative Affairs Officer of the Commission on Equity and Inclusion.

Adjournment

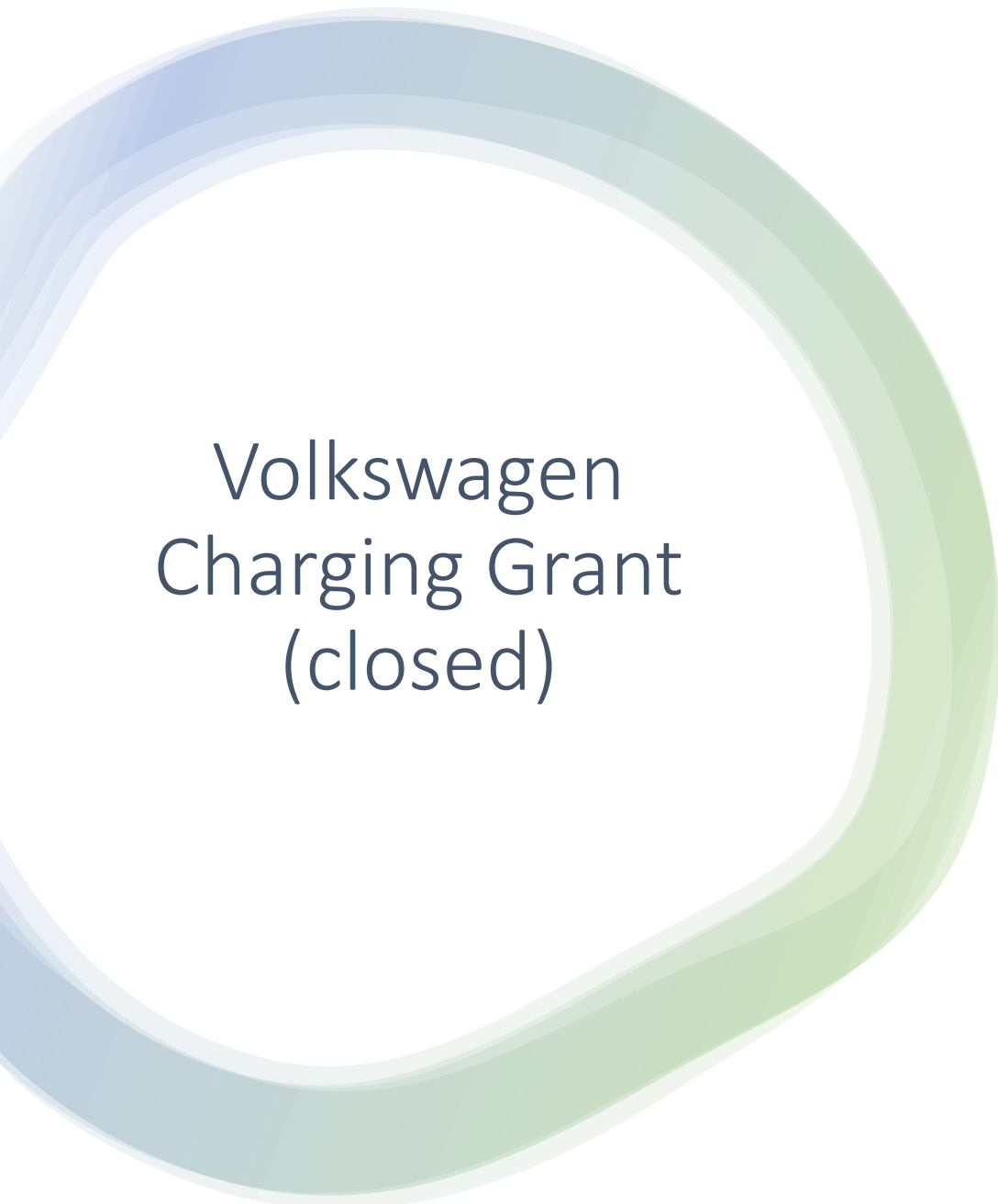
Commissioner Maruna moved to adjourn the meeting. Commissioner Cappel seconded the motion. The motion was passed by unanimous voice vote. The meeting was adjourned at 3:12 pm.

Next Bi-Monthly Business Meeting

The next bi-monthly business meeting will be Friday, May 31, 2024, at 1:30 PM.

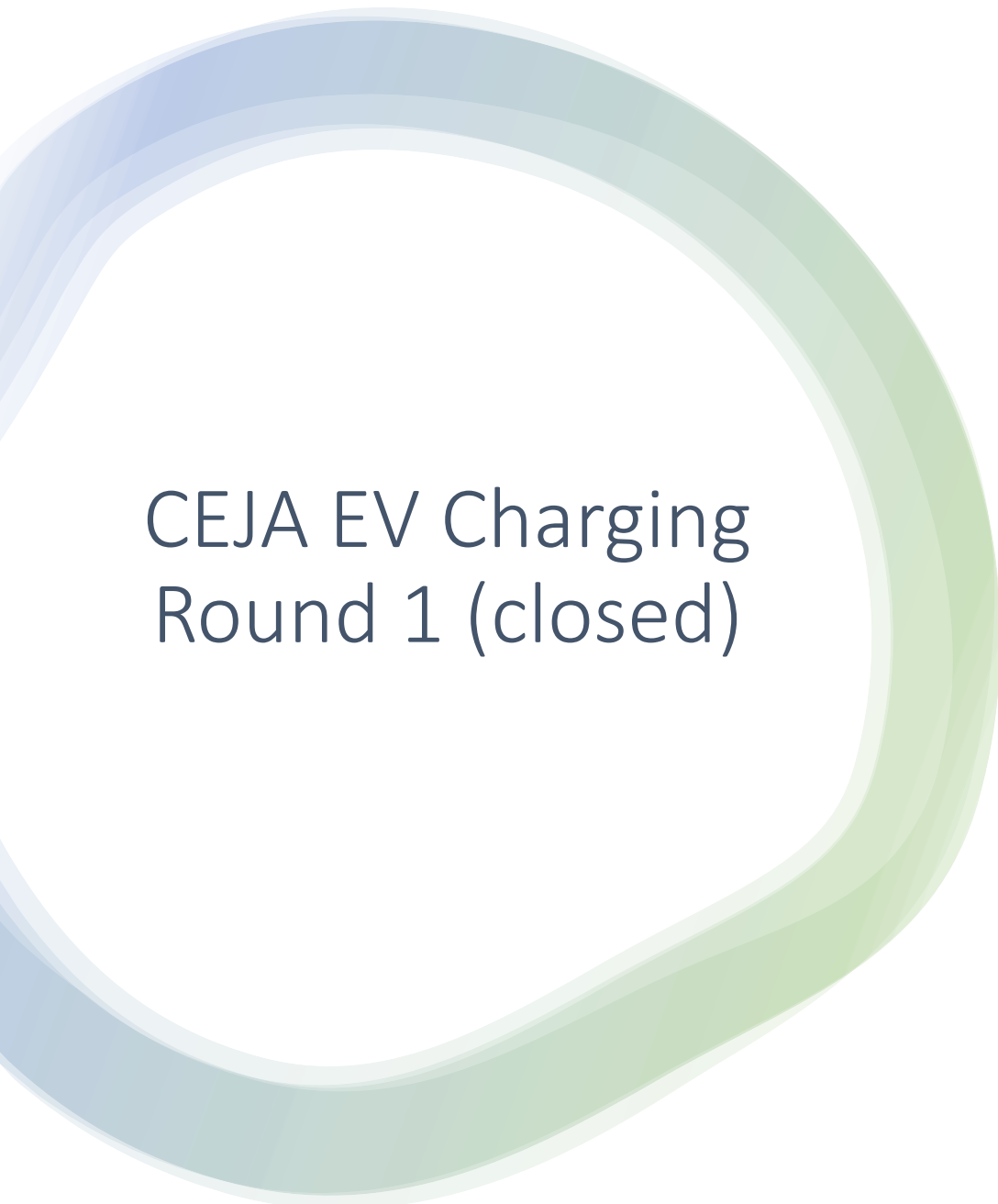
Illinois EPA State EV Charging Programs





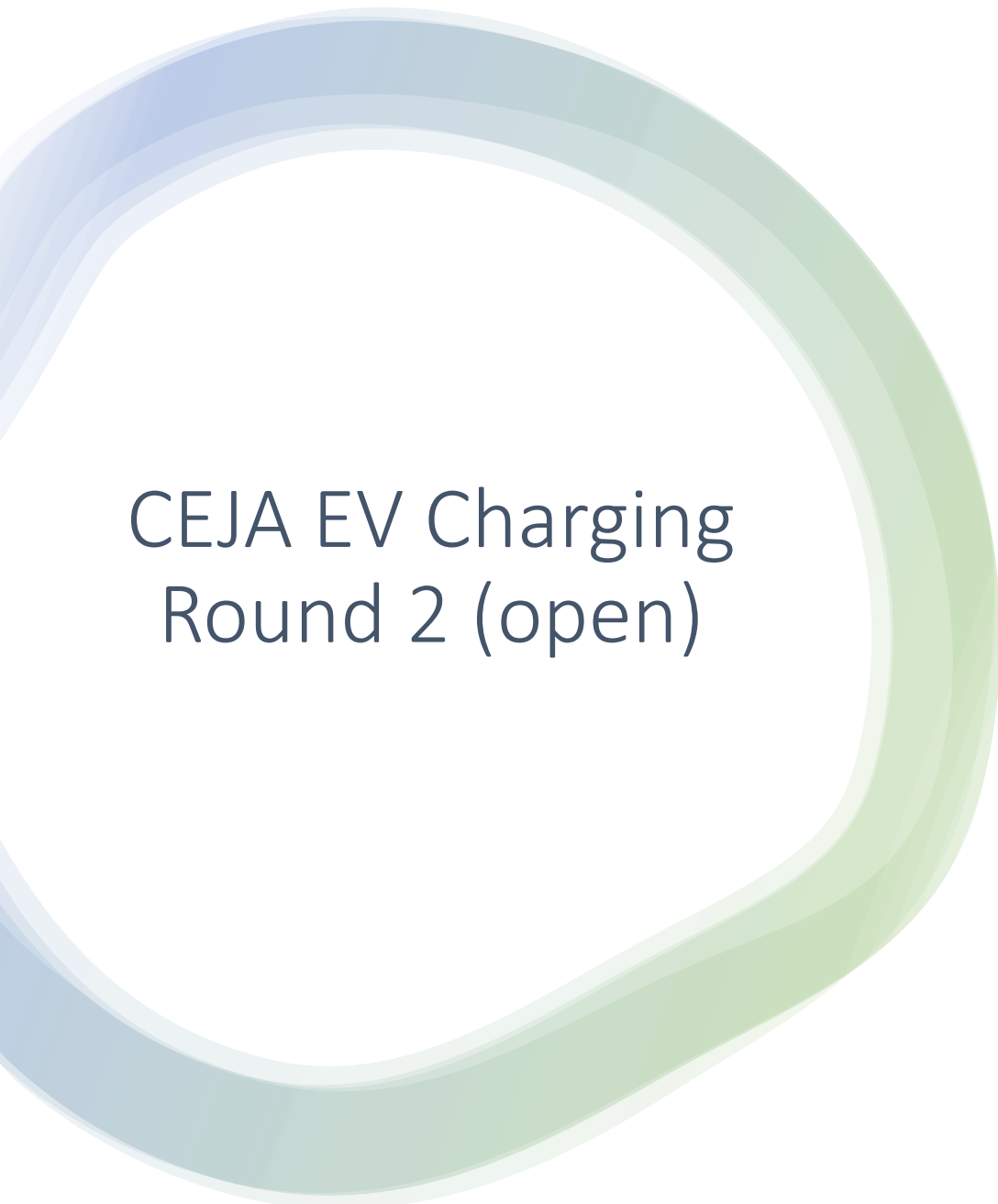
Volkswagen Charging Grant (closed)

- In June 2023, IEPA awarded \$12.6 million from the VW settlement to fund fast chargers across the state
- Funded 348 new charging ports at 87 locations
- Expected to be operational in Q3/Q4 of 2024
- Future rounds include electric vehicle funding for trucks, school buses, and public transit buses



CEJA EV Charging Round 1 (closed)

- Funded by the Rebuild Illinois Capital Plan and authorized under the Climate and Equitable Jobs Act (CEJA)
- Notice of Funding Opportunity released November 2023
- In April 2024, IEPA announced \$25.1 million in awards to 20 applicants at 141 locations
- Will fund 643 new DC fast charging ports across the state that are expected to be operational late 2024 and early 2025
- Awardees include gas stations, retail locations, restaurants, hotels, university, hospital, and colleges/universities



CEJA EV Charging Round 2 (open)

- Funded by the Rebuild Illinois Capital Plan and authorized under the Climate and Equitable Jobs Act (CEJA)
- Notice of Funding Opportunity open until May 10
- Eligible Charger Types
 - DC fast chargers
 - Level 2
- Eligible Applicants
 - Local Public Agencies
 - Private Companies
- Award amount – 80% of total eligible costs; capped at \$40,000 per port for DC fast chargers and \$5,000 per port for level 2
- Minimum of two locations per application



Complementary Federal Programs

- IDOT has launched a \$50 million NOFO for the National Electric Vehicle Infrastructure (NEVI) program
 - Supports charging infrastructure on the interstates
 - Charging stations to be built every 50 miles on interstates
 - Applications close May 7, 2024, with awards expected to be issued July 2024
 - Chargers will be installed in 46 eligible locations and expected to be operational in Q3 of 2025
- Other relevant federal programs:
 - USDOT's Charging and Fueling Infrastructure Program
 - USEPA's Clean Ports Program
 - USEPA's Clean Heavy-Duty Vehicles Program



Links

- CEJA EV Charging Round 2
 - <https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/air-quality/driving-a-cleaner-illinois/documents/daci-ceja-chargers-nofo-round-2.pdf>
- IDOT NEVI NOFO
 - [https://idot.illinois.gov/content/dam/soi/en/web/idot/documents/transportation-system/planning/drive-electric/IDOT NEVI NOFO AdvanceDraft ForWeb.pdf](https://idot.illinois.gov/content/dam/soi/en/web/idot/documents/transportation-system/planning/drive-electric/IDOT%20NEVI%20NOFO%20AdvanceDraft_ForWeb.pdf)

Fleet EVs & Charging

Georgette Varner-Haynes
Policy Advisor | Bureau of Fleet Operations

Vishnu Srinivasaraghavan
Director of Environmental Health and Safety | CMS Director's Office



Fleet EV Deployment



Implementation Process

- Co-convened the State Fleet Working Group per EO 2021-08
- Hosted agency meetings and assessed EV readiness
- Initiated supporting procurements
 - JPMC Electric Vehicle Charging Stations RFP
 - JPMC Electric Vehicle IFB
 - JPMC Fleet Leasing RFP
- Established CMS Inter-Bureau EV Working Group
 - Assessed State-owned property infrastructure
 - Developed interim charger installation funding plan
 - Implemented interim EV deployment plan
- Convened the Fleet EV Ops & Logistics Working Group

Interim EV Charging Plan

- 1:1 EVs to assigned Level 2 ports
- Level 3 charging sites along primary agency routes from Central Garage in Springfield
- Procuring public charging option and Tesla adapters

Level 1 | Plug-in Chargers
3 miles per hour



Level 2 | Overnight Chargers
80% in 4-10 hours



Level 3 | Fast Chargers
20% to 80% in 1 hour



Electric Vehicles in Fleet

- Over 12K ICE in fleet
- 107 EVs purchased 2023-24
 - \$50K - Average cost (Ford JPMC)
 - Various battery ranges
 - CCS1 standard charging ports
- 43 Mach-Es on order
- Ford converting to NACS (Tesla) charging ports
- New EV JPMC includes Ford Lightning pick-ups

Mach-e Range | 250 miles



Ioniq | 330 miles



Ariya | 235 miles

The Hyundai
IONIQ 6

EV Rollout

- Provide agency Vehicle Coordinator training
- Notify agencies of Level 2 port assignments
- EV Logo developed and deployed
 - All fleet EVs and charging units display logo
 - Only fleet EVs with logos authorized to charge at fleet stations
- Distribute EV FAQ with each EV

Illinois Department of Central Management Services | Division of Vehicles
MUSTANG MACH-E BEGINNER'S GUIDE & TRAINING ACKNOWLEDGMENT

THINGS TO KNOW BEFORE DRIVING A MACH-E

Instrument Panel

- Settings
- Digital Owner's Manual
- Hazard Flasher Button
- Lighting
- Wipers
- Cruise Control
- Start Button
- Heated Seats
- Heated Steering
- Cell Phone Connection

TRAINING VIDEOS

- Opening the Door
- Setting Driving Modes
- One Pedal Driving
- Parking Break Switch

KNOWING YOUR VEHICLE
E-LATCH
 Ford Mach-E YouTube Clip | E-Latch

Ford Mach-E YouTube Clip | Drive Modes & One Pedal Driving

Non-Ford Driver's Mach-E Tutorial | One Pedal Driving

Ford Mach-E YouTube Clip | Parking Break



FLEET EV FAQ



Q: How far can I drive on a full battery?
 Avoid travelling more than 125 miles from your homebase charger until CMS announces that more fast charging options are in place. Mustang Mach-Es can travel up to 250 miles, in ideal conditions, on a fully charged battery. NOTE: Freezing outdoor temperatures can quickly drain EV batteries. See below for ways to preserve battery life as you travel.

Q: How do I know how many miles of battery life I have left in my Mach-E?
 Miles remaining in the battery can be found behind the steering wheel on the left of the dash display, and on the home page of the touch-screen tablet at the center of the dashboard.

Q: What do I do if my Mach-E loses charge and I'm not near a charging source?
 Call Ford Roadside Assistance at 800-241-3673 for a tow to the nearest charging station.

Q: Can fleet EVs be charged at Tesla stations?
 No, fleet EVs cannot currently be charged at Tesla/NACS charging stations. They are only compatible with CCS1 charging ports. Ford plans to convert to the Tesla charging standard in 2025.

Q: Where can I charge my fleet EV?

- Daily/Overnight charge at the Level 2 charging port DOV assigned to your vehicle.
- Fast/Free Recharging is available for agencies at the Sangamo Building | Grand & North 9th Street, Springfield. Additional CMS Fast Chargers will be available soon.
- Public Charging Stations should only be used in emergencies. Wix fuel cards cannot be used to pay for public charging fees and payment reimbursement is not currently available.

Q: How do I charge and for how long?
 The Mach-E charging port is on the driver's side between the front door and front wheel. Insert the charger nozzle into the EV port and click in until the charging indicator light illuminates. Charge for 8-10 hours on your assigned homebase charger or 45 mins-1 hour on DC Fast Chargers.

Q: What are some tips for preserving my battery life?

- During Winter and Summer, precondition the cab and engine temperature before leaving (see the Owner's Manual)
- Use the One-Pedal Driving regenerative braking feature in stop-and-go traffic
- Don't Fast Charge too often • Drive slower • Limit use of the Built-in Navigation feature

Q: What type of maintenance do EVs require?

- No oil changes • Annual inspections, periodic tire rotations and brake fluid replacement required

Email Questions to CMS/DOV at CMS.Fleetreport@illinois.gov

Call for Roadside Assistance when:
 Out of Charge | Locked Out | Tow is Needed

U.S. ROADSIDE ASSISTANCE
 For Complimentary Help, Call 1-800-241-3673
 Quick access to the information below gets help to you faster. Know your vehicle's mileage and specific location.

NAME _____

VIN _____

Roadside Assistance services are available from the warranty start date and last for 5 years or 60,000 miles whichever comes first.

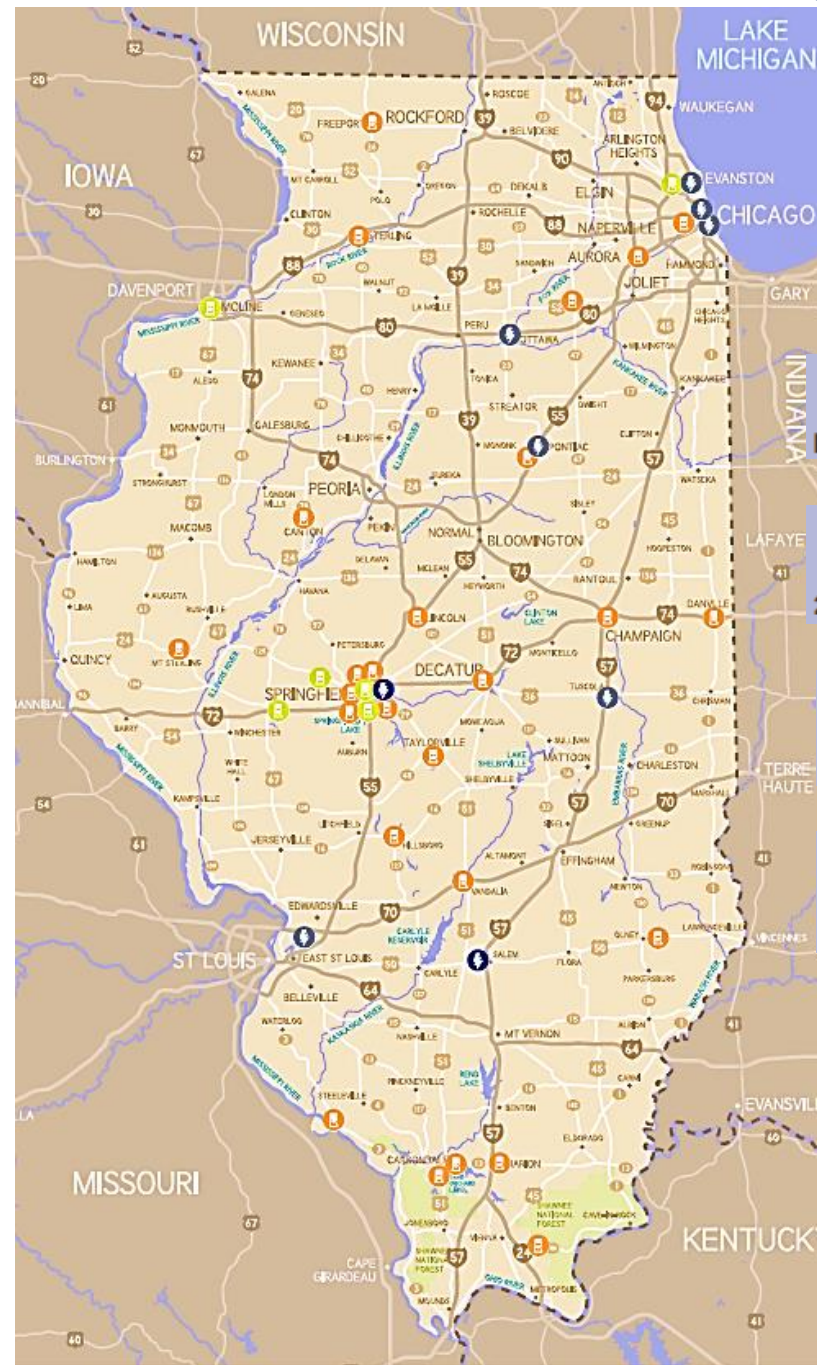
- ✓ If using your Plug-in Charger, don't forget to unplug it and put it back in your trunk before you leave.
- ✓ The Parking Brake switch looks like the window button and is on the center console.

Springfield Fast Charger | North 9th Street & Grand

Printed by the Authority of the State of Illinois | 1003 | Digital Only | 24-0540 | 000-010


Current EV & Charger Distribution

- 80 EVs deployed
 - 38 sites
 - 17 agencies
- 82 active Level 2 charging ports
- 11 installed or pending Level 3 fast charging sites



 NEW LEVEL 2 OVERNIGHT CHARGERS

 2015-INSTALLED LEVEL 2 CHARGERS

 LEVEL 3 FAST CHARGERS

 PENDING LEVEL 3 INSTALLATIONS

Fleet EV Charging



Charging Infrastructure Development Plan

Under CMS direction, the Electric Vehicle Charging Stations JPMC awardee will:

- Assess the State building infrastructure for charger readiness
- Assess the State fleet
- Select the charging station network
- Purchase and install EV charging stations
- Provide charger repair and maintenance service
- Provide related EV charging station program assistance

STATE OF ILLINOIS
REQUEST FOR PROPOSAL
Central Management Services
JPMC Electric Vehicle Charging Stations (EVSE)
23-416CMS-BOPM4-B-31995 v2

Brief Description:

This solicitation is issued by Central Management Services in cooperation and agreement with the Chief Procurement Officer for General Services. The purpose of this solicitation is to establish a contract to enable Central Management Services, governmental units, and qualified not-for-profit agencies to obtain electric vehicle charging stations, installation, charging station network, repair and maintenance of the electric vehicle charging stations, and related electric vehicle charging station program assistance on an as needed basis during the contract period.

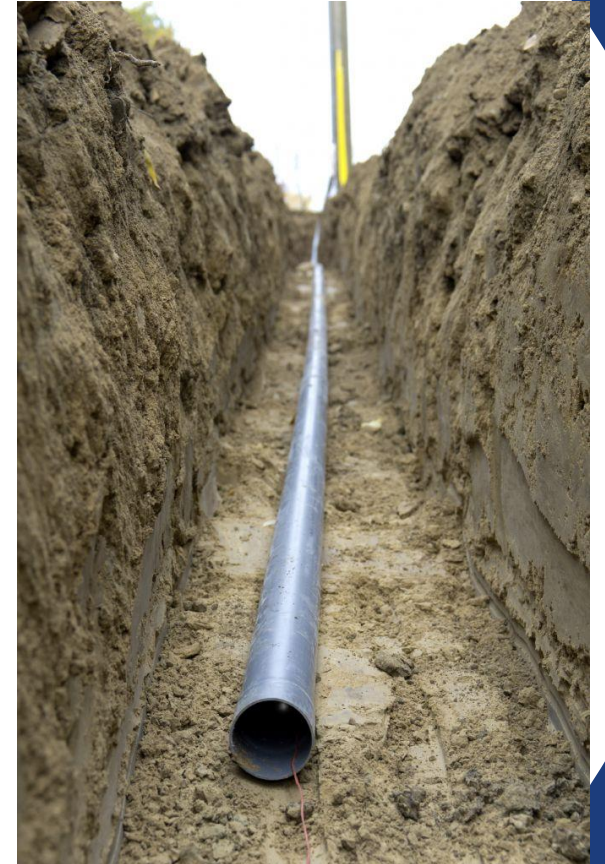
EV Charger Installation Requirements

- Sufficient Power from the Building
- Parking infrastructure to support cars staying stationary for an extended period of time (minimum 30 mins)



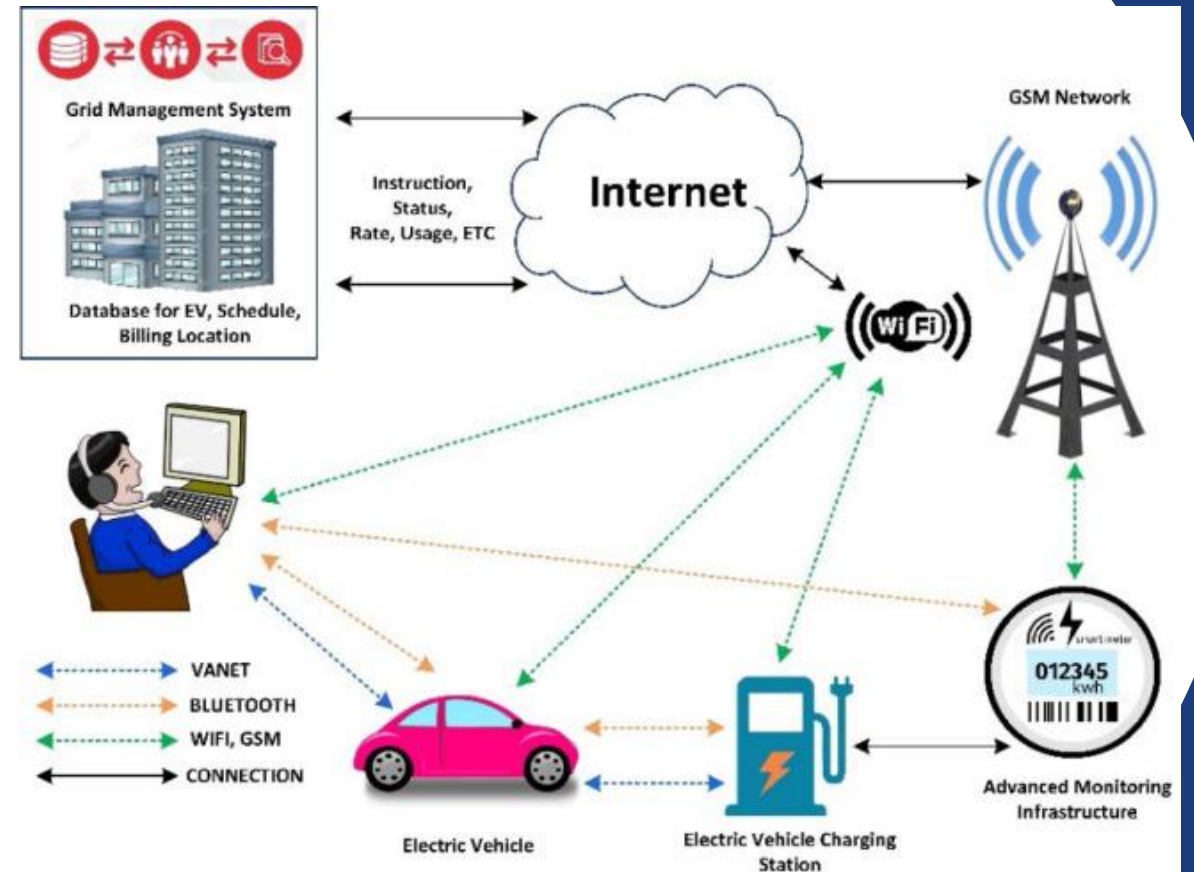
Power

- Transformers
- New Wiring and Conduits
- Electrical Panels and associated control equipment



Network and Statewide Contract

- Chargers should eventually be integrated into a Statewide network that can be remotely monitored and controlled.
- Allows for:
 - Energy Management
 - Payment Options
 - Possibility to open to the public
- The Statewide Master Contract will facilitate this integration.
- This Statewide contract will also be open to all government entities and universities much like our energy contracts.



(Mastoi et. al, 2022)

Average Install Costs and Future Plans

- Average Level 2 Costs (*equipment and installation*): \$9,300
- Average Level 3 Costs (*equipment and installation*): \$32,000
- Statewide Master Contract should bring prices down further.
- Contract will also allow for greater logistical control across the State.
- CMS EHS planning EV charger installs when completing already planned capital projects.

Picture Sources

- [Schneider Electric EV Link EV230PSR Charging Station \(evchargesolutions.com\)](https://www.evchargesolutions.com/)
- [Next-generation EV chargers | Enphase](https://www.enphase.com/)
- [Ev860 | NAPA Auto Parts \(napaonline.com\)](https://www.napaonline.com/)
- <https://autelenergy.us/>
- [Bosch EV3000 DC Fast Charger - 480V 3P 40A Circuit Charging Station with 13' Cord Plug-in | Strictly Auto Parts](https://www.strictlyautoparts.com/bosch-ev3000-dc-fast-charger-480v-3p-40a-circuit-charging-station-with-13-foot-cord-plug-in/)
- <https://www.youtube.com/watch?v=aZqgutxMjpM&list=PLCFM1h5Oz66glqvjY1XF6LscnafHlbFZ&index=9>
- <https://www.hyundaiusa.com/us/en/electrified>
- <https://www.nissanusa.com/vehicles/electric-cars/ariya/gallery.html>
- <https://www.electricrate.com/data-center/basics-of-electricity/>
- <https://forums.unrealengine.com/t/creating-a-parking-lot/590396>
- https://energyeducation.ca/wiki/images/thumb/1/1b/Pad_mounted_transformer.jpg/900px-Pad_mounted_transformer.jpg
- <https://www.constructioncanada.net/licensed-electrical-contractors-safely-install-underground-wiring/>
- <https://cdn.motor1.com/images/mgl/7ZZbjq/s1/connectder-v3-with-inverter-980x551.webp>
- <https://ars.els-cdn.com/content/image/1-s2.0-S2352484722017346-gr11.jpg>