

1 AN ACT concerning transportation.

2 **Be it enacted by the People of the State of Illinois,**
3 **represented in the General Assembly:**

4 Section 1. Short title. This Act may be cited as the
5 Accessible Electric Vehicle Charging Station Act.

6 Section 3. Applicability. This Act does not apply to a
7 charger owned by a resident of any of the following if the
8 charger is not used for a commercial purpose:

- 9 (1) a single-family home;
10 (2) a condominium association;
11 (3) a common interest community association;
12 (4) a master association; or
13 (5) a residential housing cooperative.

14 Section 5. Definitions. As used in this Act:

15 "AC Level 2" means a charger that uses a 240-volt
16 alternating-current electrical circuit to deliver electricity
17 to an electric vehicle.

18 "ABA" means the federal Architectural Barriers Act of
19 1968.

20 "ADA" means the federal Americans with Disabilities Act of
21 1990.

22 "Charger" means a device with one or more charging ports

1 and connectors for charging electric vehicles. "Charger" also
2 includes electric vehicle supply equipment.

3 "Charging port" means the system within a charger that
4 charges an electric vehicle. A charging port may have multiple
5 connectors, but it can only provide power to charge one
6 electric vehicle through one connector at a time.

7 "Charging station" means one or more chargers at a common
8 location. "Charging station" includes a large site, such as a
9 parking lot or parking garage, that has multiple charging
10 stations.

11 "Charging station operator" means the entity that operates
12 and maintains the chargers and supporting equipment and
13 facilities at one or more charging stations. "Charging station
14 operator" also includes a charging point operator.

15 "Connector" means a device that attaches electric vehicles
16 to charging ports to transfer electricity.

17 "Contactless payment methods" means a secure method for
18 consumers to purchase services using a debit, credit,
19 smartcard, or another payment device by using radio frequency
20 identification technology and near-field communication.

21 "Department" means the Department of Transportation.

22 "Direct current fast charger" or "DCFC" means a charger
23 that uses a 3-phase, 480-volt alternating current electrical
24 circuit to enable rapid charging through the delivery of
25 direct current electricity to the electric vehicle.

26 "Electric vehicle" means an automotive vehicle that is

1 either partially or fully powered by electricity.

2 "ICT" means information and communication technology.

3 "Site" means a parcel of land bounded by a property line or
4 a designated portion of a public right-of-way.

5 "Vehicle charging inlet" means the inlet on a vehicle into
6 which a connector is plugged. "Vehicle charging inlet" also
7 includes a charging port or charging door.

8 "Vehicle charging space" means a space to park a vehicle
9 for charging. A vehicle charging space can be a marked parking
10 space or an unmarked area adjacent to a charger.

11 Section 10. Accessible chargers; accessible routes.

12 (a) The Department shall ensure that charging stations in
13 this State are sufficiently accessible to allow independent
14 use by drivers with disabilities, including people who have
15 limited or no hand dexterity, limb differences, or upper
16 extremity amputations and use adaptive driving controls. A
17 reasonable number of chargers, as determined by the
18 Department, must have physical access for people who use
19 mobility devices, such as wheelchairs, scooters, walkers, and
20 canes. Chargers must have accessible communication features
21 and operable parts. All chargers containing ICT that are
22 developed, procured, maintained, or used by any entity within
23 the State must comply with Section 508 of the Rehabilitation
24 Act and have accessible ICT, including accessible hardware,
25 software, and operable parts.

1 (b) Chargers designed to serve people who use mobility
2 devices must be located on an accessible route and must
3 provide:

4 (1) a vehicle charging space that is at least 11 feet
5 wide and 20 feet long;

6 (2) an adjoining access aisle that is at least 5 feet
7 wide;

8 (3) a clear floor or ground space at the same level as
9 the vehicle charging space and positioned for an
10 unobstructed side reach; and

11 (4) accessible operable parts, including parts on the
12 charger and connector.

13 (c) The Department shall adopt the technical requirements
14 for accessible routes established by the ADA and ABA
15 standards, including walking surfaces, curb ramps, and ramps.

16 Section 15. Electric vehicle charging space; access aisle.
17 Charging spaces with mobility features must provide a vehicle
18 space with a minimum width of at least 11 feet and a minimum
19 length of at least 20 feet. Adjacent to the vehicle charging
20 space shall be an access aisle that is at least 5 feet wide and
21 the full length of the vehicle charging space. Where vehicle
22 charging spaces are marked, access aisles shall also be marked
23 to restrict parking in them. The width of the vehicle charging
24 spaces and access aisles is measured to the centerline of
25 markings, but it can include the full width of lines where

1 there is no adjacent vehicle space or access aisle.

2 One access aisle may be shared by 2 vehicle charging
3 spaces, or a charging space and a parking space, but overlap of
4 the aisle shall be limited to 5-feet.

5 Access aisles shall not be blocked or obscured by curbs,
6 wheel stops, bollards, or charging cable slack. Floor or
7 ground surfaces of vehicle charging spaces and access aisles
8 must comply with Section 302 of the American with Disabilities
9 Act.

10 The access aisle shall be connected by an accessible route
11 to the clear floor or ground space at the charger. When
12 charging cables are less than 10 feet, the charger must be
13 positioned so that the operable parts and clear floor or
14 ground space are on the same side as the access aisle.

15 Section 20. Clear floor or ground space. Chargers shall
16 provide a clear floor or ground space. Clear floor or ground
17 spaces must meet ADA requirements for ground and floor
18 surfaces, including criteria for firmness, stability, and slip
19 resistance. The clear floor or ground space must be free of
20 changes in level and not sloped more than 1:48. Grass, curbs,
21 wheel stops, and bollards shall not be located within the
22 clear floor or ground space. Clear floor or ground space at
23 chargers must be a minimum of 30 inches by 48 inches.
24 Additional space may be required where the clear floor or
25 ground space is confined on 3 sides and obstructed for more

1 than half the depth. Chargers shall be installed at the same
2 level as the vehicle charging space and access aisle so that
3 the clear floor or ground space can be placed as close as
4 possible to the charger. If chargers must be installed on a
5 curb, such as at on-street parking, the charger must be placed
6 as close to the edge of the face of the curb as possible and no
7 farther than 10 inches away from the face of the curb.

8 Section 25. Operable parts within reach range. A
9 reasonable number of chargers, as determined by the
10 Department, shall comply with Section 309 of the Americans
11 with Disabilities Act operable parts requirements, including
12 technical requirements for clear floor or ground space, reach
13 ranges, and operation. Operable parts on chargers shall
14 include, but are not limited to, the connector, card readers,
15 electronic user interfaces, and switches and buttons,
16 including the emergency start or stop button. All operable
17 parts shall also meet the ADA requirements for an unobstructed
18 side reach and be no higher than 48 inches above the clear
19 floor or ground space and no farther than 10 inches away. An
20 exception for a fuel dispenser shall not be used. Operable
21 parts shall be placed at a reasonable height, as determined by
22 the Department, but not less than a minimum of 15-inches from
23 the base of the charger.

24 Section 30. Connectors; charging cables. Connectors must

1 allow operation with one hand and no tight grasping, pinching,
2 or twisting of the wrist, and they must require no more than 5
3 pounds of force to operate.

4 Lightweight charging cables, including, but not limited
5 to, AC Level 2 and DCFCs shall be of sufficient length, as
6 determined by the Department, to charge a vehicle with various
7 charging inlet locations. Heavier and shorter DCFC cables
8 shall be able to charge a vehicle positioned at least 5-feet
9 away and shall be installed so that users can access the
10 vehicle charging inlet, access aisle, and charger. Charging
11 cables shall not block or obstruct accessible routes when
12 stored or when connected to vehicles.

13 Section 35. Accessible communication features; user
14 interface.

15 (a) All chargers that are procured or maintained within
16 the State must comply with the technical requirements for
17 hardware under Section 508 federal Rehabilitation Act of 1973.

18 (b) Display screens shall:

19 (1) be visible from a point located 40 inches above
20 the clear floor or ground;

21 (2) avoid bright and rapid flashing lights;

22 (3) include at least one mode with text characters in
23 a sans serif font and have an adjustable text size or a
24 minimum character height of 3/16 inch;

25 (4) enable speech output that includes:

1 (A) an option for display screens to provide
2 speech output that is capable of full and independent
3 use by individuals with vision impairments;

4 (B) coordination with information displayed on the
5 display screen;

6 (C) capabilities that allow for pausing and
7 repeating; and

8 (D) volume controls; and

9 (5) include Braille instructions for initiating the
10 speech output function.

11 (c) Input controls shall include:

12 (1) a label on keys and visual controls with high
13 contrast;

14 (2) a control that is tactically discernible;

15 (3) a QWERTY layout when alphabetical keys are
16 provided;

17 (4) a 2-second delay before input of a key is
18 repeated; and

19 (5) a visual, auditory, or tactile alert that notifies
20 the user when a timed response is required and gives the
21 user an opportunity to indicate more time is needed.

22 (d) If the charger requires the user to have an NFC
23 keychain card or other physical token that requires a
24 particular orientation for its use, then the card or token
25 must provide a tactically discernible orientation.

1 Section 40. Contactless payment systems; customer service.

2 (a) Registration and payment card readers shall be
3 compatible with contactless payment systems, shall be
4 tactically discernible, and shall provide visual and audible
5 feedback.

6 (b) Charging station operators shall provide customer
7 service, help support, or other mechanisms to report outages,
8 malfunctions, obstructed chargers, and other issues.

9 Section 45. Electric vehicle charging station location
10 within a site. A charging station must connect to an
11 accessible route that leads to an accessible entrance of the
12 building or facilities on the same site. Additionally, the
13 accessible chargers shall be on the shortest accessible route
14 to the accessible entrance relative to other chargers at the
15 same charging station.

16 Charging stations in parking garages must provide an
17 accessible route that connects to the accessible pedestrian
18 entrance of the parking garage. Additionally, a minimum
19 vertical clearance of 98 inches must be maintained throughout
20 the vehicular route to the accessible vehicle charging space
21 and access aisle.

22 Sites with charging stations as the primary purpose shall
23 include accessible routes that connect to any amenities on the
24 site and, if provided, a sidewalk in the public right-of-way.

25 Charging stations added to existing sites must comply with

1 the ADA and ABA requirements for alterations and additions. In
2 alterations, compliance with the ADA and ABA standards is
3 required to the maximum extent feasible. If charging stations
4 are added to an existing site, they must connect to an
5 accessible route and a reasonable number of chargers, as
6 determined by the Department, must comply with Section 309 of
7 the Americans with Disabilities Act and have a clear floor or
8 ground space and operable parts within reach range.

9 Section 50. Electric vehicles charging stations at
10 residential facilities. Shared or common-use chargers located
11 at residential facilities in the State must be accessible.
12 Chargers that are designated to specific residential units
13 shall provide the appropriate accessibility features. When
14 residential facilities designate parking spaces to each
15 residential unit, the parking space for the mobility
16 accessible unit must be an accessible parking space. A charger
17 provided for a mobility accessible residential unit must have
18 a charging space with accessible mobility features. A charger
19 provided for a communication accessible residential unit must
20 have a charger with accessible communication features.

21 Section 51. Enforcement. The Attorney General shall have
22 the authority to enforce this Act. The Attorney General may
23 investigate any complaint or reported violation of this Act
24 and, if necessary to ensure compliance, may do any or all of

1 the following:

2 (1) Conduct an investigation to determine if a
3 violation of this Act exists. This includes the power to:

4 (A) require an individual or entity to file a
5 statement or report in writing under oath or
6 otherwise, as to all information the Attorney General
7 may consider;

8 (B) examine under oath any person alleged to have
9 participated in or with knowledge of the violations;
10 and

11 (C) issue subpoenas or conduct hearings in aid of
12 any investigation.

13 (2) Bring an action for an injunction to halt
14 construction or alteration of any electric vehicle
15 charging station or to require compliance with this Act by
16 any electric vehicle charging station that has been or is
17 being constructed or altered in violation of this Act.

18 (3) Bring an action for mandamus.

19 (4) Bring an action for penalties as follows: any
20 owner of an electric vehicle charging station in violation
21 of this Act is subject to civil penalties in a sum not to
22 exceed \$250 per day, and each day the owner is in violation
23 of this Act constitutes a separate offense.

24 (5) Bring an action for any other appropriate relief,
25 including, but not limited to, in lieu of a civil action,
26 the entry of an assurance of voluntary compliance with the

1 individual or entity deemed to have violated this Act.

2 Section 55. Rules. The Department shall adopt rules to
3 implement and administer this Act.