

ARTICLE XXIX ELECTRIC VEHICLE CHARGING STATIONS

SECTION 29.01 STATEMENT OF PURPOSE

The purpose of this section is to facilitate the installation and operation of electric vehicle charging stations as an accessory use to promote sustainable transportation options while Ensuring compatibility with surrounding land uses, protecting public health and safety, and minimizing impacts on the character of the Township.

SECTION 29.02 DEFINITIONS

For the purposes of this section, the following terms shall have the meanings set forth below. These definitions shall be incorporated into ARTICLE II DEFINITIONS of this Ordinance.

- A. **Electric Vehicle (EV).** A vehicle that operates, either partially or wholly, on electrical energy from the electrical grid or an off-board source that is stored on-board for motive purpose, including battery electric vehicles and plug-in hybrid electric vehicles.
- B. **Electric Vehicle Charting Station (EVCS).** A public or private parking space that is served by battery charging station equipment that has as its primary purpose the transfer of electric energy (by conductive or inductive means) to a battery or other energy storage device in an electric vehicle.
- C. **Level 1 Charging.** A slow charging system that uses 120-volt alternating-current electric supply to supply energy to an electric vehicle's on-board charger.
- D. **Level 2 Charging.** A medium charging system that uses a 240-volt alternating-current electric supply to supply energy to an electric vehicle's on-board charger.
- E. **Level 3 Charging.** A fast-charging system that uses 480-volt or higher three-phase circuit direct-current electric supply to supply energy to an electric vehicle's on-board charger.

SECTION 29.03 PERMITTED USES

- A. Level 1 and Level 2 EVCS for private, non-revenue generating-use shall be permitted as an accessory use in all zoning districts, subject to the standards of this section, when accessory to a principal permitted use or special land use.
- B. Level 3 EVCS shall be permitted as an accessory use only in Neighborhood Commercial District or as special land use in other districts where approved by the Planning Commission pursuant to ARTICLE XIV SPECIAL LAND USES, subject to the standards of this section.
- C. EVCS shall not be considered a principal use unless specifically approved as a special land use in Neighborhood Commercial District.

SECTION 29.04 GENERAL STANDARDS

- A. **Location.** EVCS shall be located in side or rear yards where feasible and shall not be placed in required front yard setbacks. In non-residential districts, EVCS may be located in parking areas but shall not interfere with pedestrian or vehicular circulation.
- B. **Number.** There shall be no limit on the number of EVCS installed for private use on a residential property.
- C. **Parking.** Spaces equipped with Level 3 EVCS shall not count towards the minimum parking requirements of this Ordinance. Such spaces may be reserved for electric vehicle use, with appropriate signage.
- D. **Equipment and Installation.** ALL EVCS equipment shall be installed in accordance with the Michigan Electrical Code and shall include protective bollards or curbs to prevent vehicle contact. Equipment shall not exceed eight (8) feet in height.
- E. **Signage.** Signage for EVCS shall be limited to identification of the charging station, instructions for use, and safety warnings. Signs shall not exceed four (4) square feet in area and shall comply with ARTICLE XII SIGNS.
- F. **Lighting.** Any lighting associated with EVCS shall be shielded to prevent glare onto adjacent properties and shall comply with SECTION 3.16 EXTERIOR LIGHTING.
- G. **Accessibility.** Publicly accessible EVCS shall comply with applicable Americans with Disabilities Act (ADA) requirements for accessible parking spaces.
- H. **Maintenance.** Level 3 EVCS shall be maintained in good working order. Abandoned or inoperable stations shall have repair initiated or equipment removed, at the owner's sole cost and expense within sixty (60) days of written notice from Township officials.

SECTION 29.05 SITE PLAN REVIEW

Installation of Level 3 EVCS or any EVCS as a principal use shall require site plan approval pursuant to ARTICLE XIII SITE PLAN REVIEW. The site plan shall include details on location, equipment specifications, electrical service, and traffic impact.

SECTION 29.06 NONCONFORMANCE

Nothing in this section shall be deemed to allow the expansion of a nonconforming use or structure unless otherwise permitted by ARTICLE IV Nonconforming Uses and Structures.