



TOWN OF APPLE VALLEY

TOWN COUNCIL STAFF REPORT

To: Honorable Mayor and Town Council **Date:** September 26, 2017

From: Patrick Carroll, Building Official
Building and Safety Department **Item No:** 2

Subject: ADOPT ORDINANCE NO. 493 - AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF APPLE VALLEY, CALIFORNIA, AMENDING THE APPLE VALLEY MUNICIPAL CODE, TITLE 8, BY ADDING CHAPTER 8.39, SETTING FORTH PROCEDURES FOR EXPEDITING THE PERMITTING OF ELECTRIC VEHICLE CHARGING SYSTEMS

T.M. Approval: _____ **Budgeted Item:** Yes No N/A

RECOMMENDED ACTION:

Adopt Ordinance No. 493.

SUMMARY:

At the Apple Valley Town Council meeting of August 22, 2017, Ordinance 493 was introduced.

Ordinance No. 493 codifies the requirements with which electric vehicle charging systems shall comply to be eligible for expedited review and authorizes the Building Official to administratively approve such applications.

FISCAL IMPACT:

There is no anticipated fiscal impact, as the costs would be recovered through existing building permit fees. As noted, the Building Division is currently providing expedited review of applications for electric vehicle charging systems.

ALTERNATIVES:

No alternative available, as this is a state mandate.

ATTACHMENTS:

1. Ordinance No. 493
2. Checklist-Permitting Electronic Vehicles and Electric Vehicle Service Equipment (EVSE)
3. Assembly Bill 1236

ORDINANCE NO. 493

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF APPLE VALLEY, CALIFORNIA, AMENDING THE APPLE VALLEY MUNICIPAL CODE, TITLE 8, BY ADDING CHAPTER 8.39, SETTING FORTH PROCEDURES FOR EXPEDITING THE PERMITTING OF ELECTRIC VEHICLE CHARGING SYSTEMS

The Town Council of the Town of Apple Valley does hereby ordain as follows:

SECTION 1. That Chapter 8.39 of the Municipal Code of the Town of Apple Valley is hereby added to read as follows:

Chapter 8.39

ELECTRIC VEHICLE CHARGING SYSTEMS

Sections:

- 8.39.010: Purpose.**
- 8.39.020: Definitions.**
- 8.39.030: Expedited Permitting Process.**
- 8.39.040: Electronic Access to Permit Information**
- 8.39.050: Electric Vehicle Charging Station Installation Requirements.**

8.39.010 Purpose.

The intent of this Article is to adopt an expedited permitting process that complies with Assembly Bill 1236 to achieve timely and streamlined permitting process for electric vehicle charging systems. This Article will facilitate convenient charging of electric vehicles and help reduce the Towns reliance on fossil fuels, and generate additional employment within the Town and State. The Article allows the Town to achieve these goals while protecting public health and safety.

8.39.020: Definitions.

The following definitions shall be applicable to the provisions in this Article.

ELECTRIC VEHICLE CHARGING STATION, means any level of electric vehicle supply equipment station that is designed and built in compliance with Article 625 of the California Electrical Code, as it reads on the effective date of this Chapter, and delivers electricity from a source outside an electric vehicle into a plug-in electric vehicle.

ELECTRONIC SUBMITTAL, means the utilization of one or more of the following:

- Electronic mail or email.
- The internet.
- Facsimile.

FEASIBLE METHOD TO SATISFACTORILY MITIGATE OR AVOID THE SPECIFIC, ADVERSE IMPACT. A method that includes, but is not limited to, any cost-effective method, condition, or mitigation imposed by the Town on another similarly situated application in a prior successful application for a permit. The Town shall use its best efforts to ensure that the selected method, condition, or mitigation meets the conditions of subparagraphs (A) and (B) of paragraph (1) of subdivision (d) of Section 714 of the Civil Code.

SPECIFIC, ADVERSE IMPACT. A significant, quantifiable, direct, and unavoidable impact, based on objective, identified, and written public health or safety standards, policies, or conditions as they existed on the date the application was deemed complete.

8.39.030: Expedited Permitting Process.

Consistent with Government Code Section 65850.7, the Building Official shall implement an expedited, streamlined permitting process for electric vehicle charging stations, and adopt a checklist of all requirements with which electric vehicle charging stations shall comply with in order to be eligible for expedited review. The Town's adopted checklist shall be published on the Town's website.

(a) Prior to submitting an application for processing, the applicant shall verify that the installation of an electric vehicle charging station will not have specific, adverse impact to public health and safety and building occupants. Verification by the applicant includes but is not limited to: electrical system capacity and loads; electrical system wiring, bonding and overcurrent protection; building infrastructure affected by charging station equipment and associated conduits; areas of charging station equipment and vehicle parking.

(b) A permit application that satisfies the information requirements in the Town's adopted checklist shall be deemed complete and be promptly processed. Upon confirmation by the Building Official that the permit application and supporting documents meets the requirements of the Town adopted checklist, and is consistent with all applicable laws and health and safety standards, the Building Official shall, consistent with Government Code Section 65850.7, approve the application and issue all necessary permits. Such approval does not authorize an applicant to energize or utilize the electric vehicle charging station until approval is granted by the Town. If the Building Official determines that the permit application is incomplete, he or she shall issue a written correction notice to the applicant, detailing all deficiencies in the application and any additional information required to be eligible for expedited permit issuance.

(c) Consistent with Government Code Section 65850.7, the Building Official shall allow for electronic submittal of permit applications covered by this Ordinance and associated supporting documentations. Subject to 8.39.040(b), the Building Official shall also accept electronic signatures on all forms, applications, and other documentation in lieu of a wet signature by an applicant.

8.39.040: Electronic Access to Permit Information

(a) The Building Official shall make the checklist, permit application and sample documentation required for electric vehicle charging systems available on a publicly accessible website.

(b) Pending software installation, adaptation and security testing, an applicant may submit the application and related documentation for an electric vehicle charging system by electronic submittal, as specified on the Town website. Electronic signatures shall be accepted by the Town on all electronic submittals in lieu of a wet signature, in conformance with California Government Code § 16.5 and 2 California Code of Regulations § 22000 *et seq.*

8.39.050: Electric Vehicle Charging Station Installation Requirements.

(a) Electric vehicle charging station equipment shall meet the requirements of the California Electrical Code, the Society of Automotive Engineers, the National Electrical Manufacturers Association, and accredited testing laboratories such as Underwriters Laboratories, and rules of the Public Utilities Commission or a Municipal Electric Utility Company regarding safety and reliability.

(b) Installation of electric vehicle charging stations and associated wiring, bonding, disconnecting means and overcurrent protective devices shall meet the requirements of Article 625 and all applicable provisions of the California Electrical Code.

(c) Installation of electric vehicle charging stations shall be incorporated into the load calculations of all new or existing electrical services and shall meet the requirements of the California Electrical Code. Electric vehicle charging equipment shall be considered a continuous load.

(d) Anchorage of either floor-mounted or wall-mounted electric vehicle charging stations shall meet the requirements of the California Building or Residential Code as applicable per occupancy, and the provisions of the manufacturer's installation instructions. Mounting of charging stations shall not adversely affect building elements.

SECTION 2. Except as specifically amended or revised by the provisions of this ordinance, the provisions of the Town of Apple Valley Municipal Code shall remain in effect.

SECTION 3. Notice of Adoption. The Town Clerk of the Town of Apple Valley shall certify to the adoption of this ordinance and cause publication to occur in a newspaper of general circulation and published and circulated in the Town in a manner permitted under section 36933 of the Government Code of the State of California.

SECTION 4. Effective Date. This ordinance shall take effect the 30th day of September 2017 as required by Assembly Bill 1236.

SECTION 5. Severability. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications, and to this end the provisions of this ordinance are declared to be severable.

ADOPTED by the Town Council and signed by the Mayor and attested by the Town Clerk this 26th day of September 2017.

Scott Nassif, Mayor

ATTEST:

La Vonda M-Pearson, Town Clerk

APPROVED AS TO FORM:

APPROVED AS TO CONTENT:

John Brown, Town Attorney

Lori Lamson, Interim Town Manager



Town of Apple Valley

TOWN OF APPLE VALLEY RESIDENTIAL AND NON-RESIDENTIAL CHECKLIST FOR PERMITTING ELECTRIC VEHICLES AND ELECTRIC VEHICLE SERVICE EQUIPMENT (EVSE)

Please complete the following information related to permitting and installation of Electric Vehicle Service Equipment (EVSE) as a supplement to the application for a building permit. This checklist contains the technical aspects of EVSE installations and is intended to help expedite permitting and use for electric vehicle charging.

Upon this checklist being deemed complete, a permit shall be issued to the applicant. However, if it is determined that the installation might have a specific adverse impact on public health or safety, additional verification will be required before a permit can be issued.

This checklist substantially follows the “*Plug-In Electric Vehicle Infrastructure Permitting Checklist*” contained in the *Governor’s Office of Planning and Research “Zero Emission Vehicles in California: Community Readiness Guidebook”* and is purposed to augment the guidebook’s checklist.

Job Address:	Permit No.
<input type="checkbox"/> Single-Family <input type="checkbox"/> Multi-Family (Apartment) <input type="checkbox"/> Multi-Family (Condominium) <input type="checkbox"/> Commercial (Single Business) <input type="checkbox"/> Commercial (Multi-Businesses) <input type="checkbox"/> Mixed-Use <input type="checkbox"/> Public Right-of-Way	
Location and Number of EVSE to be Installed: Garage _____ Parking Level(s) _____ Parking Lot _____ Street Curb _____	
Description of Work:	

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Applicant Name:	
Applicant Phone & email:	
Contractor Name:	License Number & Type:
Contractor Phone & email:	
Owner Name:	
Owner Phone & email:	

EVSE Charging Level: <input type="checkbox"/> Level 1 (120V) <input type="checkbox"/> Level 2 (240V) <input type="checkbox"/> Level 3 (480V)	
Maximum Rating (Nameplate) of EV Service Equipment = _____ kW	
Voltage EVSE = _____ V	Manufacturer of EVSE: _____
Mounting of EVSE: <input type="checkbox"/> Wall Mount <input type="checkbox"/> Pole Pedestal Mount <input type="checkbox"/> Other _____	

System Voltage:	
<input type="checkbox"/> 120/240V, 1 ϕ , 3W <input type="checkbox"/> 120/208V, 3 ϕ , 4W <input type="checkbox"/> 120/240V, 3 ϕ , 4W	
<input type="checkbox"/> 277/480V, 3 ϕ , 4W <input type="checkbox"/> Other _____	
Rating of Existing Main Electrical Service Equipment = _____ Amperes	
Rating of Panel Supplying EVSE (if not directly from Main Service) = _____ Amps	
Rating of Circuit for EVSE: _____ Amps / _____ Poles	

AIC Rating of EVSE Circuit Breaker (if not Single Family, 400A) = _____
A.I.C.
(or verify with Inspector in field)

Specify Either Connected, Calculated or Documented Demand Load of Existing Panel:

• Connected Load of Existing Panel Supplying EVSE = _____ Amps

• Calculated Load of Existing Panel Supplying EVSE = _____ Amps

• Demand Load of Existing Panel or Service Supplying EVSE = _____ Amps
(Provide Demand Load Reading from Electric Utility)

Total Load (Existing plus EVSE Load) = _____ Amps

For Single Family Dwellings, if Existing Load is not known by any of the above methods, then the Calculated Load may be estimated using the “Single-Family Residential Permitting Application Example” in the Governor’s Office of Planning and Research “Zero Emission Vehicles in California: Community Readiness Guidebook” <https://www.opr.ca.gov>

EVSE Rating _____ Amps x 1.25 = _____ Amps = Minimum
Ampacity of EVSE Conductor = # _____ AWG

For Single-Family: Size of Existing Service Conductors = # _____ AWG or
kcmil

- or - : Size of Existing Feeder Conductor
Supplying EVSE Panel = # _____ AWG or
kcmil

(or Verify with Inspector in field)

I hereby acknowledge that the information presented is a true and correct representation of existing conditions at the job site and that any causes for concern as to life-safety verifications may require further substantiation of information.

Signature of Permit Applicant: _____ Date: _____

GOVERNMENT CODE - GOV

TITLE 7. PLANNING AND LAND USE [65000 - 66499.58] (*Heading of Title 7 amended by Stats. 1974, Ch. 1536.*)

DIVISION 1. PLANNING AND ZONING [65000 - 66103] (*Heading of Division 1 added by Stats. 1974, Ch. 1536.*)

CHAPTER 4. Zoning Regulations [65800 - 65912] (*Chapter 4 repealed and added by Stats. 1965, Ch. 1880.*)

ARTICLE 2. Adoption of Regulations [65850 - 65863.13] (*Article 2 added by Stats. 1965, Ch. 1880.*)

65850.7. (a) The Legislature finds and declares all of the following:

(1) The implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric vehicle charging stations is not a municipal affair, as that term is used in Section 5 of Article XI of the California Constitution, but is instead a matter of statewide concern.

(2) It is the intent of the Legislature that local agencies not adopt ordinances that create unreasonable barriers to the installation of electric vehicle charging stations and not unreasonably restrict the ability of homeowners and agricultural and business concerns to install electric vehicle charging stations.

(3) It is the policy of the state to promote and encourage the use of electric vehicle charging stations and to limit obstacles to their use.

(4) It is the intent of the Legislature that local agencies comply not only with the language of this section, but also the legislative intent to encourage the installation of electric vehicle charging stations by removing obstacles to, and minimizing costs of, permitting for charging stations so long as the action does not supersede the building official's authority to identify and address higher priority life-safety situations.

(b) A city, county, or city and county shall administratively approve an application to install electric vehicle charging stations through the issuance of a building permit or similar nondiscretionary permit. Review of the application to

install an electric vehicle charging station shall be limited to the building official's review of whether it meets all health and safety requirements of local, state, and federal law. The requirements of local law shall be limited to those standards and regulations necessary to ensure that the electric vehicle charging station will not have a specific, adverse impact upon the public health or safety. However, if the building official of the city, county, or city and county makes a finding, based on substantial evidence, that the electric vehicle charging station could have a specific, adverse impact upon the public health or safety, the city, county, or city and county may require the applicant to apply for a use permit.

(c) A city, county, or city and county may not deny an application for a use permit to install an electric vehicle charging station unless it makes written findings based upon substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The findings shall include the basis for the rejection of potential feasible alternatives of preventing the adverse impact.

(d) The decision of the building official pursuant to subdivisions (b) and (c) may be appealed to the planning commission of the city, county, or city and county.

(e) Any conditions imposed on an application to install an electric vehicle charging station shall be designed to mitigate the specific, adverse impact upon the public health or safety at the lowest cost possible.

(f) (1) An electric vehicle charging station shall meet applicable health and safety standards and requirements imposed by state and local permitting authorities.

(2) An electric vehicle charging station shall meet all applicable safety and performance standards established by the California Electrical Code, the Society of Automotive Engineers, the National Electrical Manufacturers Association, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Public Utilities Commission regarding safety and reliability.

(g) (1) On or before September 30, 2016, every city, county, or city and county with a population of 200,000 or more residents, and, on or before September 30, 2017, every city, county, or city and county with a population of less than 200,000 residents, shall, in consultation with the local fire department or district and the utility director, if the city, county, or city and county operates a utility, adopt an ordinance, consistent with the goals and intent of this section, that creates an expedited, streamlined permitting process for electric vehicle charging stations. In developing an expedited permitting process, the city, county, or city and county shall adopt a checklist of all requirements with which electric vehicle charging stations shall comply to be eligible for expedited review. An application that satisfies the information requirements in the checklist, as determined by the city, county, or city and county, shall be deemed complete. Upon confirmation by the city, county, or city and county of the application and supporting documents

being complete and meeting the requirements of the checklist, and consistent with the ordinance, a city, county, or city and county shall, consistent with subdivision (b), approve the application and issue all required permits or authorizations. However, the city, county, or city and county may establish a process to prioritize competing applications for expedited permits. Upon receipt of an incomplete application, a city, county, or city and county shall issue a written correction notice detailing all deficiencies in the application and any additional information required to be eligible for expedited permit issuance. An application submitted to a city, county, or city and county that owns and operates an electric utility shall demonstrate compliance with the utility's interconnection policies prior to approval.

(2) The checklist and required permitting documentation shall be published on a publicly accessible Internet Web site, if the city, county, or city and county has an Internet Web site, and the city, county, or city and county shall allow for electronic submittal of a permit application and associated documentation, and shall authorize the electronic signature on all forms, applications, and other documentation in lieu of a wet signature by an applicant. In developing the ordinance, the city, county, or city and county may refer to the recommendations contained in the most current version of the "Plug-In Electric Vehicle Infrastructure Permitting Checklist" of the "Zero-Emission Vehicles in California: Community Readiness Guidebook" published by the Office of Planning and Research. A city, county, or city and county may adopt an ordinance that modifies the checklists and standards found in the guidebook due to unique climactic, geological, seismological, or topographical conditions. If a city, county, or city and county determines that it is unable to authorize the acceptance of an electronic signature on all forms, applications, and other documents in lieu of a wet signature by an applicant, the city, county, or city and county shall state, in the ordinance required under this subdivision, the reasons for its inability to accept electronic signatures and acceptance of an electronic signature shall not be required.

(h) A city, county, or city and county shall not condition approval for any electric vehicle charging station permit on the approval of an electric vehicle charging station by an association, as that term is defined in Section 4080 of the Civil Code.

(i) The following definitions shall apply to this section:

(1) "A feasible method to satisfactorily mitigate or avoid the specific, adverse impact" includes, but is not limited to, any cost-effective method, condition, or mitigation imposed by a city, county, or city and county on another similarly situated application in a prior successful application for a permit.

(2) "Electronic submittal" means the utilization of one or more of the following:

(A) Email.

(B) The Internet.

(C) Facsimile.

(3) “Electric vehicle charging station” or “charging station” means any level of electric vehicle supply equipment station that is designed and built in compliance with Article 625 of the California Electrical Code, as it reads on the effective date of this section, and delivers electricity from a source outside an electric vehicle into a plug-in electric vehicle.

(4) “Specific, adverse impact” means a significant, quantifiable, direct, and unavoidable impact, based on objective, identified, and written public health or safety standards, policies, or conditions as they existed on the date the application was deemed complete.

(Added by Stats. 2015, Ch. 598, Sec. 1. Effective January 1, 2016.)