

**Program Handbook – Bear Ready Residential
Bear Valley Electric Service – EV Charging Pilot**

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Administered by:



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Table of Contents

Program Handbook for Bear Valley Electric Service – EV Charging Pilot

A. INTRODUCTION.....	4
1. Bear Ready Residential Program Overview	5
B. Residential Make-Ready Eligibility	5
1. Customer Type and Size	5
2. Site Requirements.....	6
C. APPLICANT DUTIES AND REQUIREMENTS.....	6
1. Application Stage	6
2. Participation Stage	7
D. APPLICATION PROCESS.....	7
1. Application and Installation Process.....	7
E. DEFINITIONS	8



A. INTRODUCTION

In March 2012, Governor Edmund G. Brown Jr issued an Executive Order B-16-2012 to help accelerate the market for zero-emission vehicles (ZEVs) in California and set a long-term goal of reaching 1.5 million zero emission vehicles on California's roadways by 2025. The executive order established milestones for three periods:

- By 2015, California's major metropolitan areas will be able to accommodate zero emission vehicles through infrastructure plans.
- By 2020, California's zero emission vehicle infrastructure will be able to support up to 1 million vehicles.
- By 2025, 1.5 million zero emission vehicles will be on California's roadways with easy access to infrastructure.

These milestones require mechanisms to install electric vehicle (EV) charging infrastructure quickly and effectively.

On October 7, 2015, Senate Bill (SB) 350, the Clean Energy and Pollution Reduction Act (Chapter 547, Statutes of 2015), was signed into law, establishing new clean energy, clean air and greenhouse gas reduction goals for 2030 and beyond. Among other things, SB 350 requires the California Public Utilities Commission (Commission), in consultation with the California Air Resources Board (CARB) and the California Energy Commission (CEC), to direct the utilities to undertake transportation electrification (TE) activities consistent with Public Utilities Code Sections (Pub. Util. Code §§) 237.5 and 740.12.1.

September 27, 2018 the Commission adopted the Settlement Agreement (Application No. 17-06-034) for Bear Valley Electric Service (A Division of Golden State Water) (hereinafter, BVES) Make-Ready Pilot.

Bear Ready Residential is BVES residential EV charging pilot program intended to encourage and accelerate easy access to residential home charging for Big Bear residents while also supporting the best interest of Bear Valley Electric Services ratepayers. Under Bear Ready Residential, BVES will reimburse eligible residents for the installation of the electrical infrastructure needed for electric vehicle (EV) charging at participating Big Bear residential locations. Local residents will need to select an approved contractor to install electrical infrastructure, meeting minimum program requirements, for EV charging at their site, and participate in the [TOU-EV-1](#) rate.

This Bear Ready Residential Program Handbook (Program Handbook) details eligibility, program requirements and provides necessary definitions, explanations, and processes associated with the program requirements for residential properties. The Program Handbook may be periodically updated as needed to clarify project requirements and improve program effectiveness. The Program Handbook, including any updates, will be posted on the Bear Valley Electric Service webpage at https://www.bves.com/media/managed/bearreadydocuments/BVES_Bear_Ready_Residential_Program_Handbook.pdf

Note to Applicants: At the time an applicant submits a signed application for program participation, the most current Program Handbook available, as well as the Project Requirements signed by the applicant, will apply.

This document constitutes the Program Handbook for Bear Ready Residential. Definitions of key program parameters are in Section E of this manual.

1. Bear Ready Residential Program Overview

Through Bear Ready Residential, local Big Bear residents can apply to have BVES reimburse them for the cost of the design, permit, and installation of the electrical infrastructure to support up to one (1) Level 2 EV charger at their residence. All residential EV charger installations will be required to add a submeter to an existing BVES customer residential location. BVES will reimburse the residential participant for the equipment and electrical contractor labor required to add the submeter. Participating residents may use their preferred EV charger on the electrical infrastructure.

Eligible residents must have a current active BVES electric account supplying electricity to the residential location listed on the application.

Following installation, participating home owners and/or residents will need to keep the electrical infrastructure in place for at least 10 years. All participating residents will have their EV chargers enrolled in the residential Time of Use Electric Vehicle Charging (TOU-EV) pilot rate designed to both minimize the impact to the local electrical grid, while encouraging residential EV chargers.

Potential applicants can determine their eligibility through review of Section B of this Program Handbook, and by contacting the Center for Sustainable Energy (CSE) directly by email at [BearReady@energycenter.org](mailto: BearReady@energycenter.org) or by calling (800) 808-2837. Once an application is screened and approved, applicants will be notified of their selection by BVES.

Information about Bear Ready Residential is also available to the public and other interested parties via the BVES webpage. The BVES webpage, <https://www.bves.com/efficiency-&-environment/electric-vehicle-charging-pilot/bear-ready-residential>, is operated and maintained by BVES, and includes an up-to-date list of eligible equipment models, participating electrical contractors, program applications, and all supporting documentation and forms applicable to the Bear Ready Residential program.

B. Residential Make-Ready Eligibility

1. Customer Type and Size

- a.** Must be a single-family dwelling concurrently served under a Domestic (D and

DO) schedule.

- b. Be the property owner to apply on behalf of a qualified site.

2. Site Requirements

Sites must meet the requirements listed below to be eligible for participation in Bear Ready Residential.

- a. Be located within and served electricity by **Bear Valley Electric Service**. Service address will be required during application process and CSE can terminate applications that do not meet required address validations.
- b. Comply with all federal, state and municipal laws, ordinances, rules, codes, standards and regulations.
- c. Have off-street parking serving the main use of the site. The off-street parking must be reasonably accessible from a point of power connection.
- d. Be available to move forward in the Bear Ready Residential program within a reasonable timeframe, if selected for participation.

C. APPLICANT DUTIES AND REQUIREMENTS

1. Application Stage

- a. Submit a complete Preliminary Service Request (PSR) to BVES.
- b. Submit a complete application including all required documentation for participation in Bear Ready Residential before program funds are exhausted.
- c. Indicate parking space, meeting the site requirements, that is available for participation in Bear Ready Residential. Dedicate one space per EV charger connector.
- d. Select an electrical contractor from the list of approved Big Bear approved contractors. Request and submit the contractor quote for the make-ready design to BVES.
- e. After the quote is approved from BVES, then have the contractor begin the job.
- f. If selected for participation in Bear Ready Residential, complete enrollment in the

TOU-EV rate.

2. Participation Stage

- a. Allow random inspections of the make-ready infrastructure.
- b. Participate in ongoing research efforts to support the Bear Ready Residential pilot program. Participation may include phone interviews, focus groups, and / or surveys to gather information on aspects of the Bear Ready Residential program and EV driver response to the program.

The applicant is responsible for ensuring the accuracy of the information on their application and required documentation submitted to CSE. The applicant is also responsible for using the Bear Ready Residential infrastructure solely for EV charging for the duration of the program. The use of the infrastructure for anything other than EV charging will void participation in the TOU-EVI-1 rate, and accumulated usage will be back billed at the house meter rate and any extra charges will apply. The applicant may also be required to repay the reimbursement costs incurred by BVES.

D. APPLICATION PROCESS

1. Application and Installation Process

To apply for participation in the Bear Ready Residential pilot project, applicants can follow this simple process:

- a. Send in an interest email or for preliminary eligibility review.
 1. Email your name, service address, and interest in Bear Ready Residential to [BearReady@energycenter.org](mailto: BearReady@energycenter.org) or mail a letter to: Center for Sustainable Energy, Attn: Bear Ready Residential, 3980 Sherman Street, San Diego, CA 92110.
 2. Once the interest email or letter is submitted, CSE will review it to preliminarily determine eligibility.
 3. CSE will provide potentially eligible applicants with a full application form.
- b. Complete and send in a full application and supporting documents.
 1. Complete a PSR and submit it to BVES.
 2. Complete the full application and submit it along with required supporting documents by mailing a copy to: Center for Sustainable Energy, Attn: Bear Ready Residential, 3980 Sherman Street, San Diego, CA 92110.

3. Once the full application is submitted, CSE will review it for eligibility.
 4. Select an electrical contractor from the list of approved Big Bear Lake contractors and secure a quote from the contractor. Submit a quote from a BVES approved electrical contractor for the installation of the submeter socket, additional breaker panel, conduit, and wiring.
- c. Complete installation and submit final invoice for reimbursement.
1. Once approved by BVES for participation in Bear Ready Residential have the electrical contractor secure required permits complete the installation and final inspection and submit the electrical contractor invoice and three photos clearly showing the installation and operational EV charger by mailing a copy to: Center for Sustainable Energy, Attn: Bear Ready, 3980 Sherman Street, San Diego, CA 92110.

E. DEFINITIONS

Application Date: The date an application is submitted. This date is determined by the time/date stamp of an email transmission, or the U.S. mail postmark on physical mail.

Electric Vehicle Charging Station (EVCS): Charging equipment (external to the vehicle) used to charge a plug-in electric vehicle.

Electric Vehicle Service Provider (EVSP): A business that can provide connectivity across a network of charging stations. Connecting a central server, the provider manages the software, database, and communication interface that enables operation of the station. Some EVSPs will also provide charger installation and contracting services.

Level 2 Charging Station (L2): A charging station that supplies electricity to a plug-in electric vehicle's onboard charger in the form of alternating current (AC). Level 2 charging stations require a 208/240-volt AC connection.

Make-Ready Electric Vehicle Infrastructure: a parking space wired with all the electrical infrastructure necessary to support electric vehicle charging.

Maximum Demand: The Maximum Demand in any month shall be the measured maximum average kilowatt input, indicated or recorded by instruments, during any 15-minute metered interval in the month.

Nationally Recognized Testing Laboratory (NRTL): An independent laboratory recognized by the Occupational Safety and Health Administration to test products to applicable product safety standards.

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