

Notice of Upcoming Low Carbon Fuel Standard Credits Release for Non-Metered Residential Electric Vehicle Charging

02/01/2016

Under the Low Carbon Fuel Standard (LCFS) regulation¹, ARB staff calculates credits generated by Electrical Distribution Utilities (EDUs) for non-metered residential electrical vehicle charging and places these credits into EDUs' LCFS Reporting Tool and Credit Bank & Transfer System (LRT-CBTS) account.

Timing of Crediting

Staff expects to complete the annual credit calculation for the prior year and place credits in the utilities' accounts on the last working day of February of each year, starting on **February 29, 2016** for credits from 2015 vehicle charging. Because that timing is off-cycle relative to the other credit generation in the LCFS system, ARB is providing this public notice.

Summary of Crediting Methodology

Per Section 95491(a)(3)(D) of the LCFS rule, the electricity used for non-metered residential charging is determined by the number of non-metered Plug-in Electric Vehicles (PEVs) in the utility's service territory, and the daily average non-metered PEV electricity use per vehicle, using the following equation:

$$\begin{aligned} PEV \text{ Electricity Use}^{Non \text{ metered}} \\ = \text{Number of Vehicles}^{Non \text{ metered}} \times \text{Daily Average PEV Electricity Use} \\ \times \text{Number of days}^{in \text{ compliance period}} \end{aligned}$$

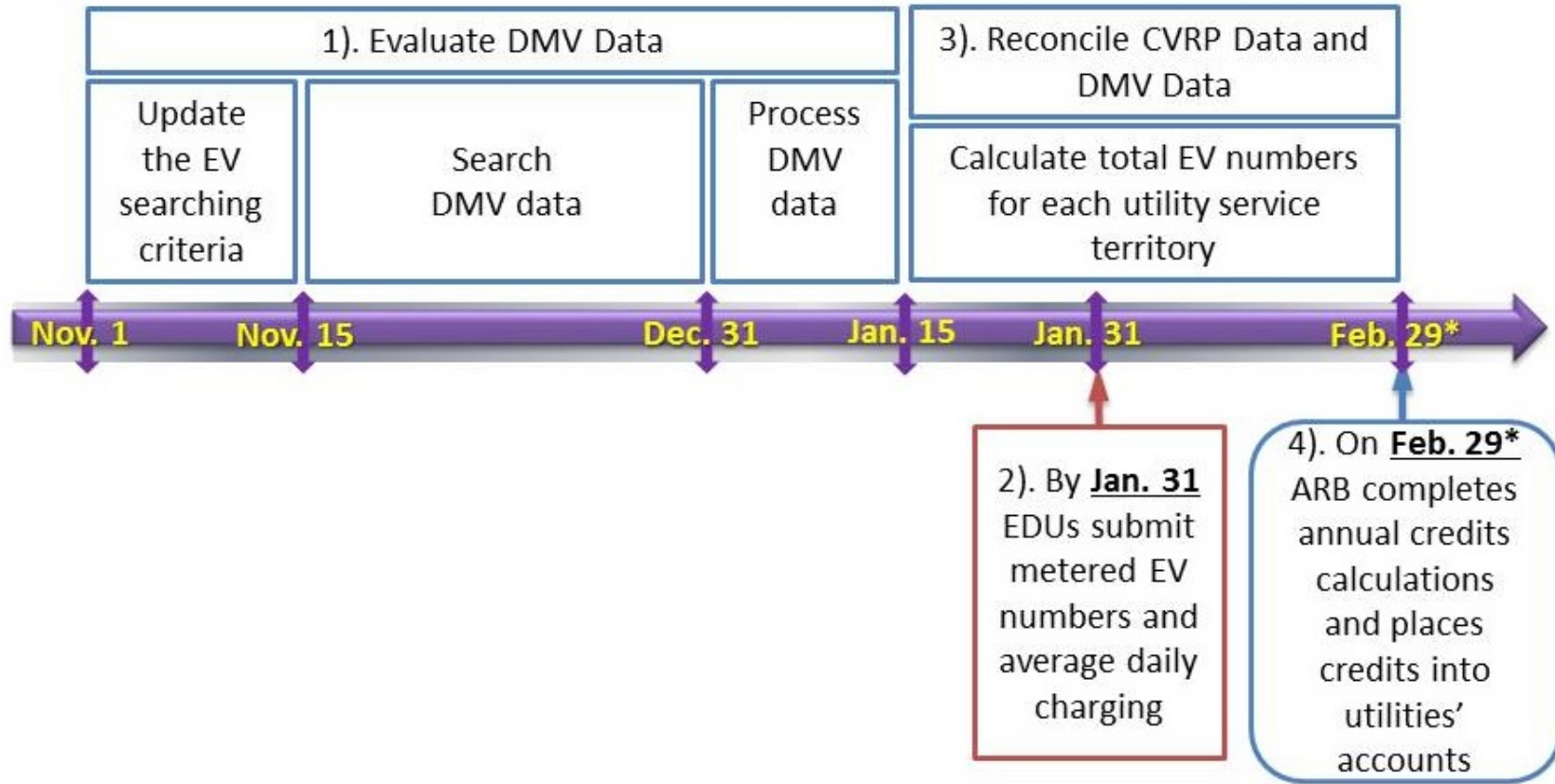
For the 2015 crediting period, the daily average per-vehicle non-metered PEV electricity use is assumed to equal the use for separately-metered vehicles in the same utility service territory. The utilities each calculate the daily average electricity use per metered vehicle and the number of separately-metered PEVs for the four quarters of the prior year and submit this information to ARB by January 31st.

The number of non-metered PEVs in each utility service territory is then calculated by ARB staff twice a year (only the second calculation is shown in Figure 1 below) based on availability of the California Vehicle Rebate Project (CVRP)² database, and California Department of Motor Vehicles (DMV) registration data.

¹ Pursuant to California Code of Regulations, Title 17, section 95491(a)(3)(D) and Table 12.

² <https://energycenter.org/clean-vehicle-rebate-project/rebate-statistics>

Figure 1. Summary of Crediting Cycle for Non-metered Residential PEV Charging



Steps 1, 3, and 4 are completed by the Air Resources Board

Step 2 is completed by the Electrical Distribution Utilities.

* This date is the last working day of February of each year, which is February 29 for 2016.