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

03/08/2018

Under the Low Carbon Fuel Standard (LCFS) regulation\(^1\), ARB 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) accounts.

**Timing of Crediting**

Staff expects to complete the annual credit calculation for the prior year and place credits in the utilities' accounts on **March 15, 2018** for credits from 2017 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:

\[
PEV \text{ Electricity Use}^{\text{Non metered}} = \text{Number of Vehicles}^{\text{Non metered}} \times \text{Daily Average PEV Electricity Use} \times \text{Number of days in compliance period}
\]

For the 2017 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 31\(^{st}\).

The number of non-metered PEVs in each utility service territory is then calculated by ARB staff based on the California Vehicle Rebate Project (CVRP)\(^2\) database, and California Department of Motor Vehicles (DMV) registration data.

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\(^1\) 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](https://energycenter.org/clean-vehicle-rebate-project/rebate-statistics)