



MCE Customer Programs Greenhouse Gas Emissions Reductions Methodology

Energy Efficiency & Electrification Programs

Greenhouse gas (GHG) emissions from MCE's energy efficiency program are measured using the Cost Effectiveness Tool (CET). The CET is developed and maintained by the California Public Utilities Commission. It is hosted on the [CPUC's California Energy Data and Reporting System \(CEDARs\)](#).

Virtual Power Plant Programs

To measure the GHG emissions reductions associated with load shifting or demand management programs, MCE extracted the hourly marginal emissions factors from the CET. The full year of hourly data was averaged to come up with an average hourly marginal emissions factor. The average hourly marginal emissions factor was multiplied by the total energy impact in the hours that demand was reduced and in the hours that demand increased. The difference of those two numbers is the total GHG emissions reductions credited to the programs.

Electric Vehicle Programs

MCE used the California Climate Investments Quantification, Benefits, and Reporting Materials found at this link to determine emissions reductions from its EV rebate program:

<https://ww2.arb.ca.gov/resources/documents/ci-quantification-benefits-and-reporting-materials>