



Creating pathways from clean energy to clean cars

This initiative leverages California Air Resources Board (CARB)'s Low Carbon Fuel Standard (LCFS) credit program to assign renewable generation sources to EV charging. It increases the number of LCFS credits that can be reinvested in renewables and electric transportation to accelerate the growth in both markets. Basically, we generate more rewards and pump them right back out to our customer programs and clean energy partners.

Besides sources like solar and wind, we can also use biomass sources like food waste, wastewater, or even the debris removed as part of SMUD wildfire mitigation efforts. We've already made significant headway in using wind, solar and dairy waste by acquiring certifications and creating SMUD programs to support these sources. In fact, we were the first utility to work closely with CARB to certify dairies and move this initiative forward.

The pathway plays an important role delivering renewable energy as clean fuel to EVs. Dairies emit the largest amounts of climate pollutants in California, and dairy digesters reduce those emissions by using the dairy waste to create electricity instead.

This enables commercial customers to fuel their fleets with clean energy, which significantly increases the number of LCFS credits. SMUD can then reinvest those additional credits to support the growth of electric transportation, while the generators can reinvest their credits in new advanced renewable generation.

By implementing digesters, California dairy farms are not only helping further shrink dairy's carbon footprint to unprecedented levels, they're also helping SMUD and the state transition to a carbon-neutral future using clean energy.

