PASTURE TO POWER

How partnerships between BMW Group and dairy farms power BMW electric vehicles.

1. THE ENVIRONMENTAL DOUBLE BENEFIT

METHANE'S CLIMATE IMPACT

Methane (CH₄) is a natural byproduct of life, but it traps significantly more heat in the atmosphere than CO2. Reducing global methane emissions is a primary solution to reducing the impacts of climate change.



HOW DRIVING CAN HELP

BMW Group is partnering with dairy farms to install biodigesters and reduce methane emissions. Driving an electric vehicle (EV) powered by biodigesters helps reduce the environmental impact of methane, creating a double benefit.

The Double Benefit:



2. TURNING MANURE INTO MOTION

HOW BIODIGESTERS WORK

Generate

Electricity

WHY IT MATTERS

electricity for California.

Net Impact on

the Climate

Positive Impact

Negative

Impact

Cow manure is collected and stored in pools or tanks, where the methane emissions are captured and burned to generate electricity.

Transfer

to Grid

Burning methane instead of releasing it into the atmosphere significantly

For example, the biodigester at the Straus Organic Dairy Farm **decreases**

yearly methane emissions by 720 metric tons and generates renewable

benefits the environment, even more than solar or wind energy.





Use Electricity

for Fuel

Benefit of blocking

it into renewable

Impact of methane burned in biodigester

electricity

L

methane and turning

Burn in

Biodigester

it's best for the grid.



Not only does this partnership help the environment, it also generates energy credits that provide local farms in California with a new revenue source.





BMW GROUP

3. DRIVERS AND FARMS EARN MONEY

SUPPORTING LOCAL FARMS

This money goes to support family farms and agricultural businesses. The partnership offers new incentives for dairy farmers to build digesters, creating a self-sustaining revenue stream that helps farms thrive.

CHARGE SMART TO GET PAID

Through BMW Group's smart charging program, ChargeForward, you'll get paid just by plugging in your BMW EV and letting your vehicle charge when