

California Dairy Digester Development

California dairy farms (and digester projects) are primarily located in the San Joaquin Valley, as shown below.



California is home to 14 “clusters” of dairy digesters in various stages of development. Clusters are groups of digesters that share a centralized gas clean-up facility, where dairy biogas is upgraded and then injected into natural gas pipeline so it can be used as carbon-negative transportation fuel or generate hydrogen. Additionally, another 63 California dairy farms have or share access to digesters (operating or in development) that are not a part of a cluster. **In total, California has 243 dairy digester projects, capturing methane from 271 dairy farms**, and creating either renewable electricity, renewable natural gas, or hydrogen fuel. **About 168 of the digesters are currently in operation**, with the rest in development.

The renewable energy created is helping power the state’s clean-energy future. Today, California dairy farms are generating enough renewable natural gas to fuel more than 3,706 transit buses. At the same time, some dairy farms are generating enough renewable electricity to power more than 13,502 electric vehicles. **In total, California dairy farms power more than 17,000 vehicles daily with the energy created by dairy digesters.**

