

Dairy RNG Process Map

STEP
1

Collection

Manure is collected from dairy's open lots, milking parlor, and barns and moved to a mixing pit.

STEP
2

Digester

Manure is pumped to above ground digesters and broken down by an anaerobic process to create biogas.

Gas leaving the digester is at 60% methane content.

STEP
3

Gas Conditioning

Moisture and solids are removed to prepare the biogas for upgrading.

RNG gas leaves this process at 95%-99% pure methane, indistinguishable from geologic natural gas.

STEP
4

Gas Upgrading System

Biogas is conditioned into usable Renewable Natural Gas (RNG).

STEP
5

Interconnection

RNG is injected directly into a nearby natural gas pipeline for customer use, via pipeline or trucks.



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