

# Swine RNG Process Map

STEP  
**1**

## Collection

Swine manure is moved from swine barns to in-ground digesters.

STEP  
**2**

## Digester

Manure is broken down by an anaerobic process to create biogas.

Gas leaving the digester is at 65% methane content.

STEP  
**3**

## Gas Dehydration

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

STEP  
**4**

## Biogas Gathering

Multiple farms are connected via small diameter gathering pipelines.

STEP  
**5**

## Gas Upgrading System

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

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

STEP  
**6**

## Interconnection

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

Given the significant methane content, RNG is indistinguishable from geologic natural gas.



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