
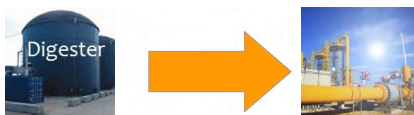



Dairy Digester Pollutant Emissions Impacts/Benefits

Typical California Covered Lagoon Digester

DIGESTER ENERGY PATHWAY	CH₄ / CO₂E	NOx	PM	H₂S	NH₃	CO	SOx	VOCs	N₂O	WQ
Electricity 	↓	↑	↑	↓	↓	↑	↑	↓	↓	↓
Pipeline biomethane RNG 	↓	↑	→	↓	↓	↑ →	↑ → ↓	↓	↓	↓
Transportation Fuel R-CNG 	↓	↓	↓	↓	↓	↑ →	↑ → ↓	↓	↓	↓

Categories:

Methane (CH₄)

Greenhouse Gas (CO₂E)

Nitrogen Oxide (NOx)

Particulate Matter (PM)

Carbon Monoxide (CO)

Ammonia (NH₃)

Hydrogen Sulfide (H₂S)

Sulfur Dioxide (SO_x)

Volatile Organic Compounds (VOCs)

Nitrous Oxide (N₂O)

Water Quality (WQ)

↓ = Reduction/Improvement

↑ = Increase/Impact

→ = No change