



W2E
RENEWABLE
SOLUTIONS



EnerCom Denver

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Novel, modular thermolysis technology

Converts manure into **clean commodities**
without waste

Superior economics

Disruptive to existing market

Potential for **1 gigaton** of annual CO₂e
impact

Currently funding **late-stage development**
of 1st project



Privately funded to date (>\$3 million)

Front end engineering FEL2/3

Initial site secured (NE Colorado)

100% feedstock supply under contract

10-year LOI for 100% RNG offtake supported by -471 CI score

Capex/EBITDA ratio of < 2x

Significant upside from rating our RGG char as a concrete additive





Integrating technology from the energy and waste management industries to solve manure management's greatest challenge



John Wallace, CEO

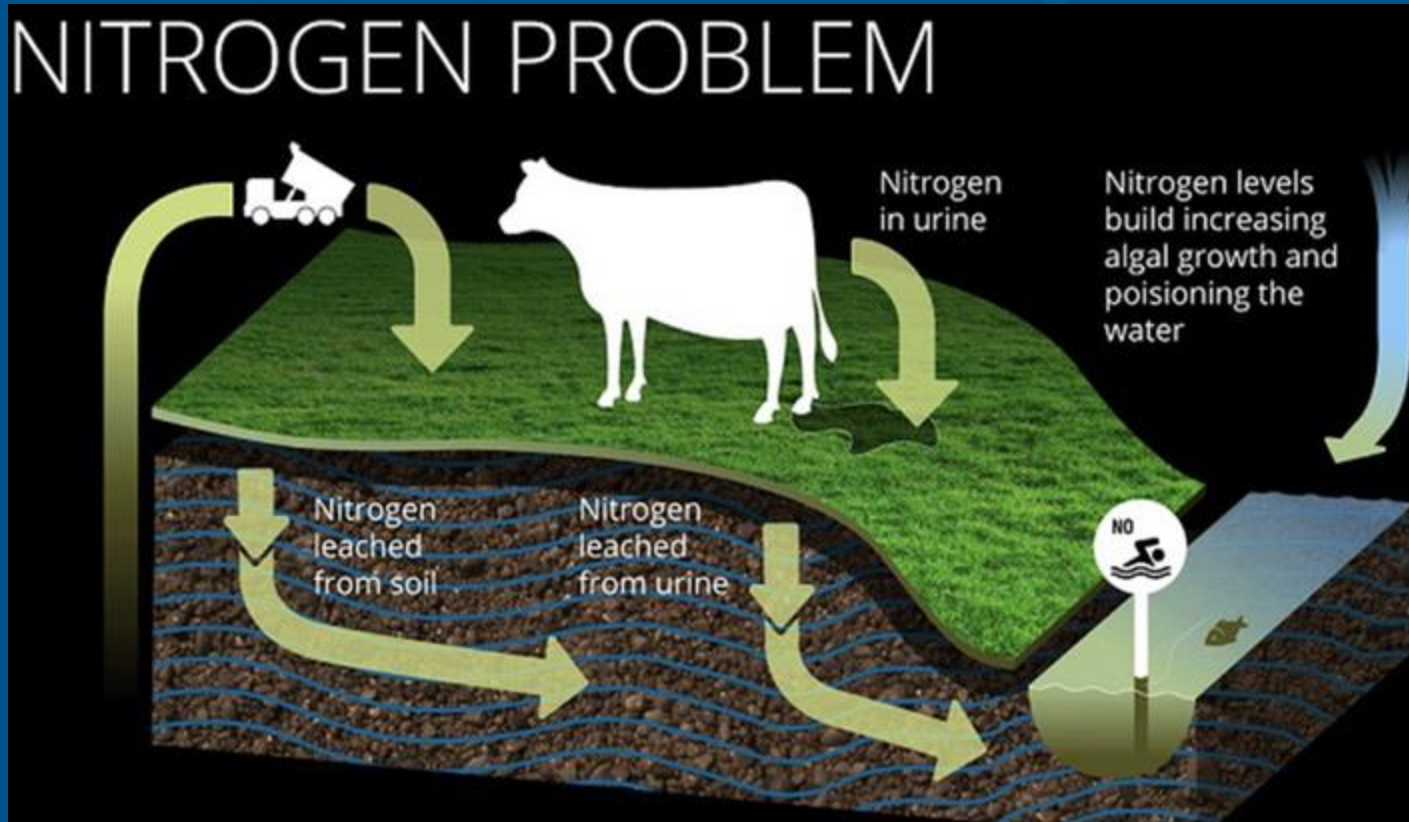
Seasoned founder and executive
37 years experience in Oil & Gas
Management, operations, finance



Chris Webb, President

Career innovator and entrepreneur
30+ years in waste management & recycling
Management, R&D, process design

Nearly 70 years combined experience, including 7 as partners




W2E's technology eliminates 97% of nitrogen pollution from the manure management cycle

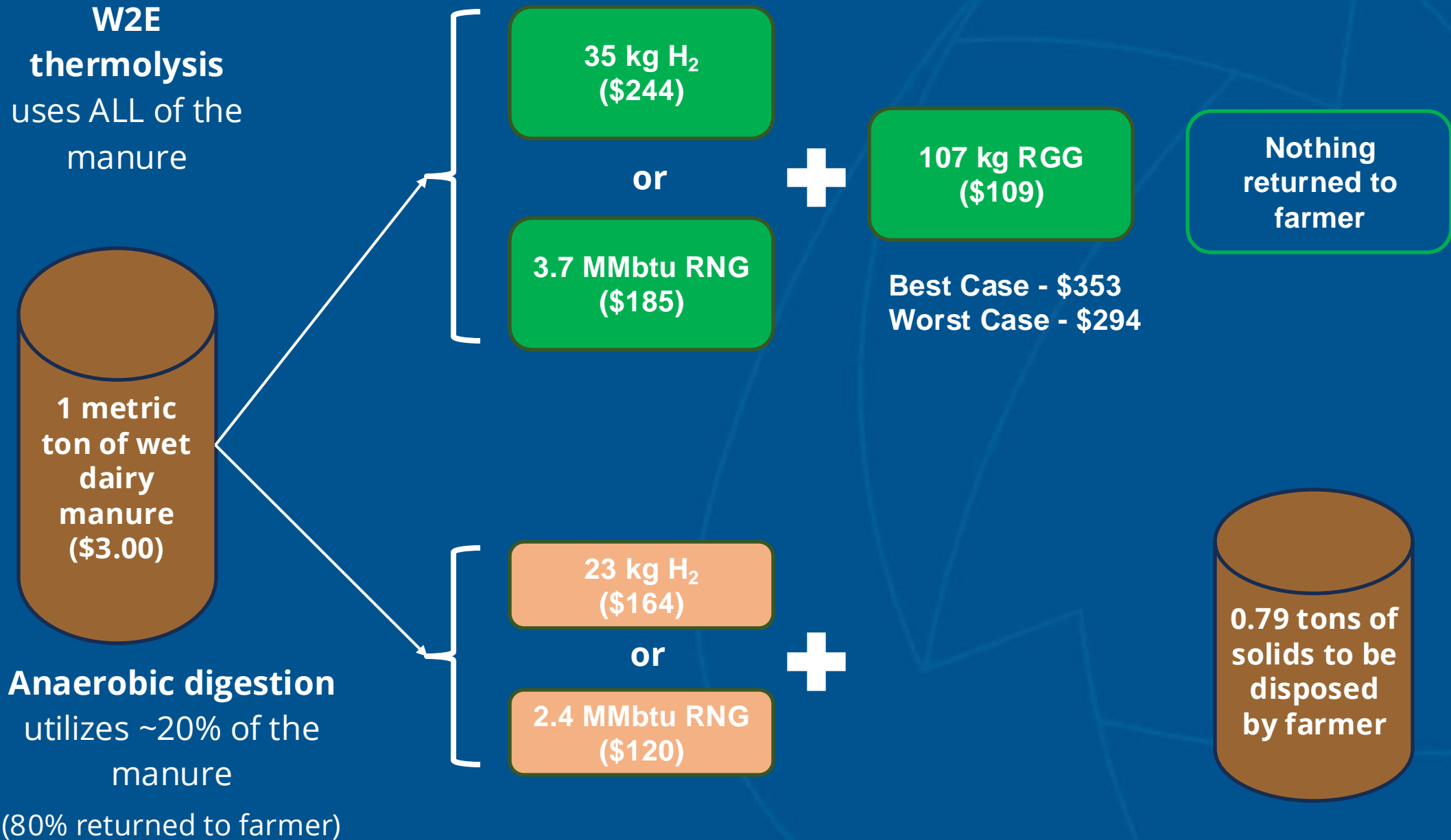
No other technology does this

Vast improvement on existing manure management practices

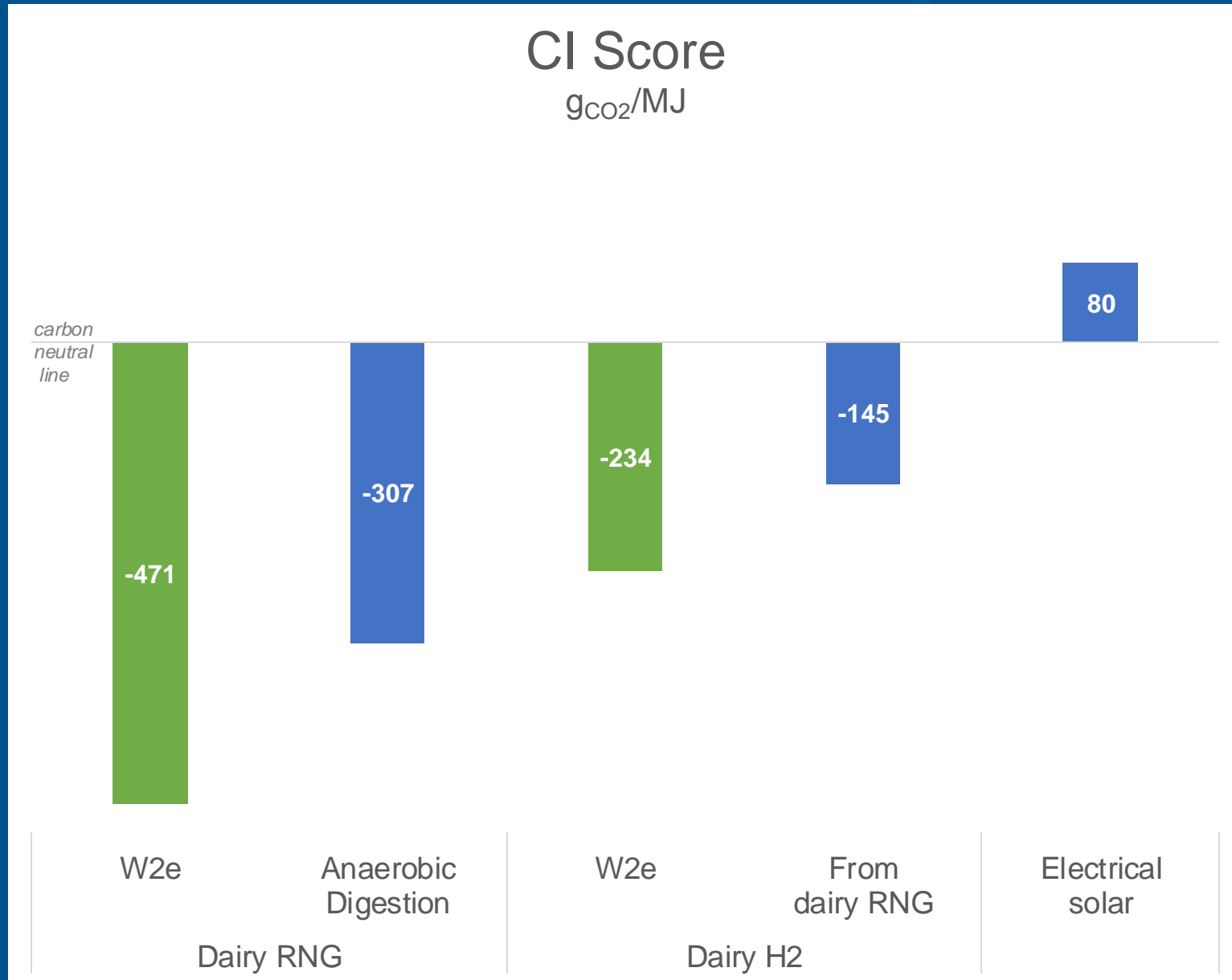
Our technology helps the environment and farmers

| Solution | Spreading | Anaerobic digestion |  W2E |
|-------------------------------------|---------------------------|---------------------|---|
| Estimated % of US manure management | 95% | 5% | 0% currently |
| Technology | Stockpiling and spreading | Bacterial digestion | Thermolysis |
| Revenue streams | Fertilizer | Biogas | H ₂ , RNG + RGG |
| Emissions addressed | None | Methane | Methane NO ₂ CO ₂ Nitrate compounds |
| What remains with farmer | Manure | Digested manure | Nothing |

Thermolysis vs anaerobic digestion



Best-in-class carbon index scores



Source: LCFS Pathway Certified Carbon Intensities data at <https://ww2.arb.ca.gov/resources>

Converts 100% of manure waste into decarbonization assets via a proprietary process flow unique in use of high-temperature thermal reactors



Converts manure to high-quality commodity streams:

- Renewable Graphite/Graphene (RGG)
- +
● Green Hydrogen (H₂);
- Renewable Natural Gas (RNG);
- Green electricity; or
- Green methanol

Industrial scale: continuous process that supports high throughput

No technology risk: Novel process design utilizes off-the-shelf industrial components

Solves a problem for our customers and suppliers

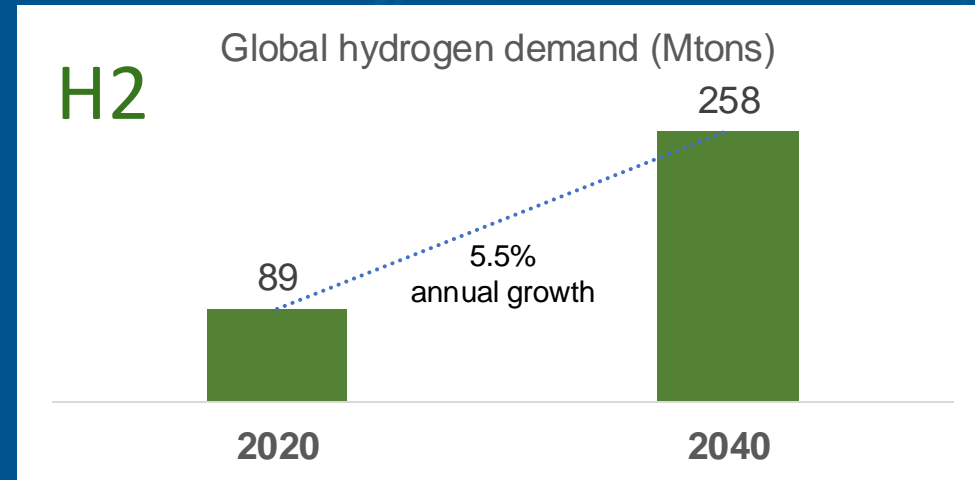
- Our clean commodity products are in high and growing demand
- Better and cheaper solution for farmers



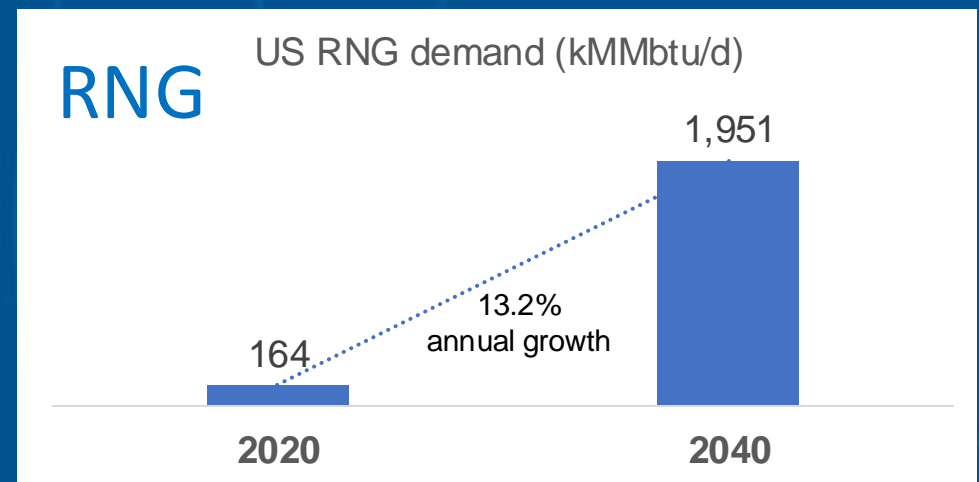
Regional, national and global markets

Strong demand growth forecast through 2040

Our cost of production is substantially less than prevailing commodity prices



Source: McKinsey



Source: BCG

Graphene and graphite
have many industrial uses

Concrete additive is near
term focus – undergoing
certification

**Increases concrete
strength** meaningfully

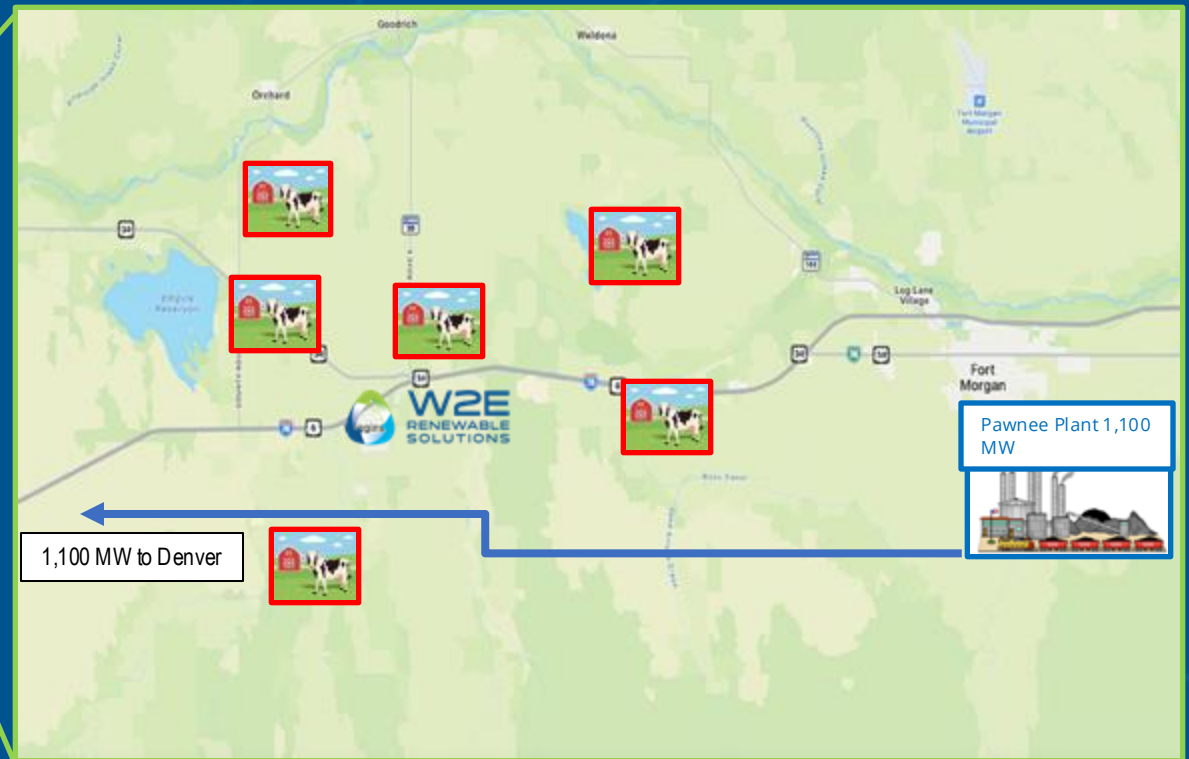
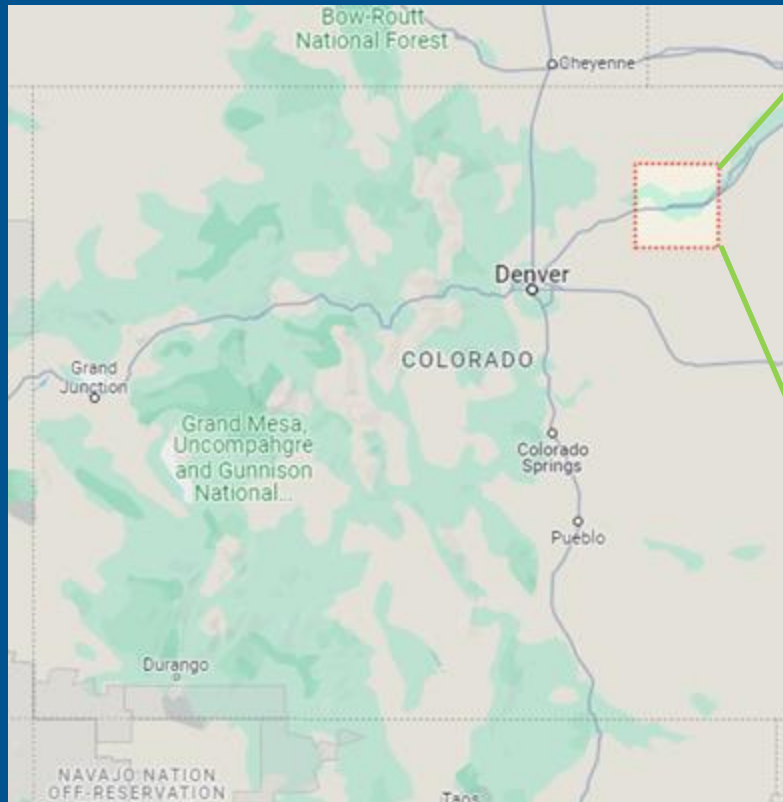


Number of Dairy Farms for the 24 Largest States



10 million milking dairy cows in the US
Potential for thousands of our facilities in the US

- Sited in Morgan County, Colorado (65 miles NE of Denver)
- Centrally located relative to numerous industrial dairies
- Immediate access to rail, highway, and pipeline for marketing our products



Scale • 3-train facility making RNG | 9 train expansion capability onsite

Capital cost • Facility capex: **\$230 m**

Manure feedstock • **1,800 metric tons / day** dairy manure

Products • RNG: **7 thousand MMBtu / day** | RGG: **200 short tons / day**

Renewable attributes • H₂: 45v credits | RNG: RINs, LCFS

Status - mid-development

- ✓ Site control under contract
- ✓ Engineering through FEL2/3
- ✓ Manure supply under firm contract
- ✓ Offtake in advanced negotiation

Current Phase -
Final Development:
9-12 Months

FID

Construction &
Commissioning:
12-18 Months

COD

**24-30 Months to Full
Operation**

\$5 million capital raise

Preferred equity in parent company

PhiCap Advisors facilitating capital process

Pre-cursor to a much larger project construction financing

Uses of funds: Completing Wiggins I development

- Final engineering
- Permitting
- Finalizing offtake agreements
- Assembling and building the operations team



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Thank
you



W2E Renewable Solutions