BIOGAS SYSTEMS AND PROJECTS

• 20 Biogas plants in NC, MO and ID are ready for construction in 2019 and 20 more projects are under development.

• Recycle per plant of approximately 270,000 tons of organic agricultural waste: swine, dairy manure and green crop residues.

• Each plant produces 550,000 MMBtu of renewable natural gas that is equivalent of 5.5 MW of electricity.
POTENTIAL OF BIOGAS INDUSTRY IN THE U.S.

- Over 8,241 dairy and swine farms are ready for development today
- Europe has over 10,000 operating digesters
- Currently the U.S. has over 2,200 sites producing biogas in all 50 states, out of which 250 anaerobic digesters on farms
- GESS’ 40 projects will facilitate almost 20% growth in this sector alone
WHY BIOGAS?

Environmental benefits:
- Dramatic odor reduction
- Reduced greenhouse gas emissions
  - Dairy: 75,887 MTCO2e/yr or 2,048,949 ft³
  - Swine: 55,902 MTCO2e/yr or 1,509,354 ft³
- Platform for reducing nutrient runoff
- Increased crop yield

Waste treatment benefits:
- Natural waste treatment process
- Mature technology
- Complete biogas capture
- Nutrient recovery and recycling

Energy benefits:
- Multiple existing biogas end-use applications, including:
  - heat-only
  - electric-only
  - combined heat and power
  - pipeline quality biomethane
  - transportation fuel

Economic benefits:
- $800 million in investment funds
- GESS employed 35 people during last year
- 100 Construction jobs per project
- 16 permanent jobs per project
- Turns cost items into revenue-generating
- Additional cash flow opportunities for farmers
SHOW ME THE MONEY!

**SWINE MANURE REVENUES**
(from own farm)
- Number of Hogs: 18,000
- Annual Manure per hog: 4.6 tons
- Price per ton: $3.00
- Total: $54,000.00

**DAIRY MANURE REVENUES**
(from own farm)
- Number of Indigo Cattle: 1,600
- Annual Manure per animal: 1.2 tons
- Price per ton: $6.00
- Total: $96,000.00

**INDOOR CATTLE MANURE REVENUES**
(from procurement)
- Total Plant Needs: 11,680 tons
- Annual Manure from own farm: 11,680 tons
- Price per ton from Procured: $3.00
- Difference from Price per ton: $1.00
- Total from Procurement: $35,040.00

**OUTSIDE CATTLE MANURE REVENUES**
(from procurement)
- Total Plant Needs: 11,680 tons
- Annual Manure from own farm: 11,680 tons
- Price per ton from Procured: $3.00
- Difference from Price per ton: $1.00
- Total from Procurement: $35,040.00

**TOTALS**
- Total Revenues from Manure: $350,040.00
- Annual Land Lease: Rental Revenue (from Plant): Annual Rent/Lease: $15,000.00
- Total Revenues (before Investment Returns): $465,040.00

**REVENUE STREAM SUMMARY**

<table>
<thead>
<tr>
<th>REVENUE SOURCE</th>
<th>SALES</th>
<th>EBIT RATE*</th>
<th>REVENUE STREAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Biomass Sales</td>
<td>$4,500,000</td>
<td>8%</td>
<td>$340,000</td>
</tr>
<tr>
<td>Broom Biomass</td>
<td>$398,040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land Lease</td>
<td>$15,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Annual Cashflow</td>
<td>$465,040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Income to owner</td>
<td>$1,257,040</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
LET’S USE BIOGAS TO POWER THE FUTURE!

- Support and promote growing RNG Biogas industry
- Increase number of users in transportation market
- Reduce carbon footprint of the IndyCar series by converting team transporters and support vehicles to use RNG