Sustainable Food
Renewable Energy
Clean Water

Presented by: Eric R. Barger, Sr.
CALIFORNIA DIRECT JOBS
ANIMAL PRODUCTION & AQUACULTURE

BEEF CATTLE EXCLUDING FEED LOTS 4,200
DAIRY FARMS 18,200
OTHER LIVESTOCK AND AQUACULTURE 6,500
SUPPORT FOR ANIMAL PRODUCTION 2,900

TOTAL DIRECT JOBS 31,800

California In State Support Jobs Livestock Production – Estimate = 125,000
CALIFORNIA DIRECT JOBS
ANIMAL PRODUCTION & AQUACULTURE

Total Ag Jobs = 575,000
Estimated Support Jobs = 2.5 Million

California In State Support Jobs Livestock Production – Estimate = 125,000
CALIFORNIA DIRECT JOBS
ANIMAL PRODUCTION & AQUACULTURE

Farms and Ranches
$50 Billion in Receipts 2017

California In State Support Jobs Livestock Production – Estimate = 125,000
Ag Waste - Market - California

Total Number of Animals in CA

- Cattle
- Dairy
- Hogs
- Broilers
- Layers

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Ag Waste - Market - California

Note: 2012 Map Data

Source: Food & Water Watch analysis of U.S. Department of Agriculture Census of Agriculture data.
BEST Plan

BargerTech

Environmental Superior Technology & Plan

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1) Eliminate the discharge of animal waste to surface and ground water

2) Substantially eliminates the atmospheric emission of ammonia

3) Substantially eliminates the emission of odors detectable beyond the animal farm’s boundaries

4) Substantially eliminates the release of disease-transmitting vectors and airborne pathogens

5) Substantially eliminates nutrient and heavy metal contamination of soil and groundwater
On-Farm Super Flush System
Installed, Operated & Maintained by BTi

Substantial Greenhouse Gas (GHG) Reductions
Biogas Digestate Storage

Clean Water Treatment
(Reuse & Management)
Environmental Reclamation Plant
(aka – Lagoon Eliminator)
Biogas Production, Organic Solids & NPK Recovery, Clean Water
Environmental Sustainability

Biogas & kWh (Renewable Energy)

Organic Solids (Soil Additive)

(Biogas)
Transportation Fuel

Water (H2O)

Organic Fertilizer (NPK)

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On Farm Greenhouse Gas (GHG) Reductions
On Farm Biogas Digestate Storage
On Farm Water Management
Installed, Operated & Maintained by BTi

Renewable Biogas Production
Organic Solids & NPK Recovery
Drinking Quality Water
Environmental Sustainability

**Land** – Recovery from Waste Application
Repurpose Land Use for Crop Production

Air – Largest GHG Reduction Opportunity!
Livestock is the Largest Emitter Second only to Fossil Fuels

Water – Billions of Gallons / Day
(Super Flush & Lagoon Eliminator)
70% of Water used Globally is in Agriculture

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Ag Waste - Biogas Market

Note: 2012 Map Data

Current WIP – NC, TX, CA & OH

Source: Food & Water Watch analysis of U.S. Department of Agriculture Census of Agriculture data.

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Questions?

Comments

Discussion

Thank You For Your Time!!

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