

# Clean Bay Renewables

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- Demonstrate thermophilic anaerobic digestion linked to nutrient recovery system separating nutrient constituents in byproducts
- 2 MW Capacity, generate electricity-capacity 48 megawatt hours per day
- 90% electricity sold to grid, 10% used for parasitic load
- Regional facility, processing 80 tons/day poultry litter
- Litter purchased & sourced through manure broker
- Accept both cake and full house cleanout

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- Heat generated used as thermal source for thermophilic digestion and to pasteurize solids for class A designation
- Byproduct markets being developed-3 possible sales outlets: nutrient recovery vendor, wholesaler or fertilizer company, or directly to farmers
  - Struvite fertilizer (slow release, phosphorus source: 5-28-0)
  - Low phosphorus soil amendment from digestate (N &K)
- Project leveraged by \$15 million in investments

# Clean Bay Renewables- status

- Obtained all permits required for construction
- Ground breaking August,2017 (5 mos. behind schedule)
- Initiate MDE Air Quality permit application in August, 2017
- Projected construction window- 8 months