

Maryland Bioenergy Center



Building Partners:

- Owner – BTS Biogas, Srl
- Architect & Structural – Barton & Loguidice
- General Contractor – Stewart & Tate Construction
- Concrete Contractor – M2 Construction, LLC
- Ready Mix Concrete Supplier – Bay Ready Mix of Maryland, LLC
- Precast/Ready Mix – Dutchland, Inc. & Chaney Enterprises, Inc.



Optimizing Ready Mix Concrete

4000 & 5000 PSI Required

Relatively Early Strip Strength
on 50% of Concrete Mixes.

No Slag or Fly Ash Permitted

Type II Cement Specified

Carbon Mineralization Technology
Used to Decrease Total Cement
Used

Minimized “Insurance Cement”

Capturing and Embedding
Carbon Dioxide







Why? Environmental Savings

Carbon Savings

Ready-Mix Concrete

81 Acres of trees Absorbing
CO₂ for the Year

150,000 Miles if Driving Car



What does a Bioenergy Center Do?

- Recycles 110,000 tons of Foods
- Produces 312,000 MMBtu of Natural Gas
- Makes 16,500 tons of Fertile Soils

