**A PILE of ENERGY: HOW COW POOP BECOMES POWER**

First, the cow... well... you know...

The manure is then trucked, washed, carried, or flushed to the digester.*

THE MANURE IS THEN TRUCKED, WASHED, CARRIED, OR FLUSHED TO THE DIGESTER.*

A digester is a container or equipment to capture biogas from cow slurries.

The cow pies are put into the digester and heated to a WHOPPING 100°F. THAT’S HOT POO!

**WHOPPING 100°F**

**THE LEFTOVERS**

Raw biogas is then sent to a generator to make clean, renewable electricity or converted into renewable natural gas to be used as fuel.

**RAW BIOGAS**

Electricity Abounds!

Biogas is a renewable resource and is composed of mostly methane and CO₂ (both greenhouse gases) in most biogas systems. Non-negative non-combustible compounds (methane).

Bacteria/microorganisms break down the dung into raw biogas* and digested material.

**This is where things get exciting!**

**65% OF THE GAS FROM MANURE IS METHANE.**

Believe it or not...

**BELIEVE IT OR NOT...**

But what about the digested material? Leftovers are used to produce fertilizer, compost, soil amendments, or animal bedding.

**Fun Facts**

**15 COWS**

The “manure too” from 15 cows is enough to power an average home for one day.

*First, the cow... well... you know...

Last year digesters helped prevent more than 3 MILLION TONS of greenhouse gas emissions from being released into the atmosphere.

**Guess what?**

**USDA PLANS TO SUPPORT 500 NEW DIGESTERS OVER THE NEXT TEN YEARS.**

**http://www.sustainableco.org/energy/convertmanure.html**

**http://www.usda.gov/.../.../.../.../.../.../.../.../.../"**

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