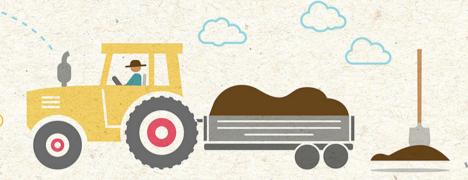
## A PILE of ENERGY:

HOW COW POOP BECOMES POWER



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

\*A digester is a processing tank equipped to capture biogas from cow droppings.





The cow pies are put into the digester and heated to a







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

Electricity Abounds!



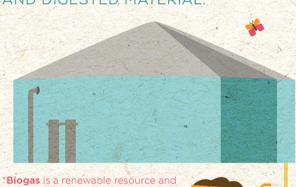




## This is where things get exciting!

BACTERIA/MICROORGANISMS BREAK DOWN THE DUNG INTO RAW BIOGAS\* AND DIGESTED MATERIAL.

you know.



is composed of mostly methane and CO2. It can replace natural gas in most applications once non-methane compounds are removed.





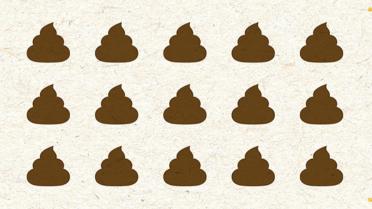
But what about the digested material? Leftovers are used to produce fertilizer, compost, soil amendments, or animal bedding.





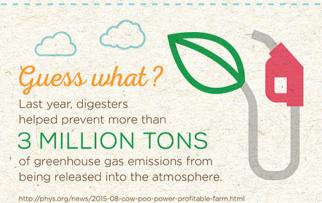


**Fun Facts** 

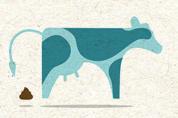


The "number two" from 15 cows is enough to power an average home for one day.

http://www.xprize.org/news/cow-power-turning-manure-moolah http://www.eia.gov/tools/faqs/faq.cfm?id=97&t=3



VE IT OR NOT...



IS METHANE. http://science.kqed.org/quest/2013/08/29/harnessing-the-hidden-power-of-cow-manure/

USDA PLANS TO SUPPORT 500 NEW DIGESTERS

http://www.usda.gov/wps/portal/usda/usdamediafb?contentid=2015/04/0109.xml&printable=true&contentidonly=tr

