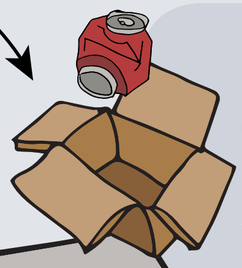
How We Make Power

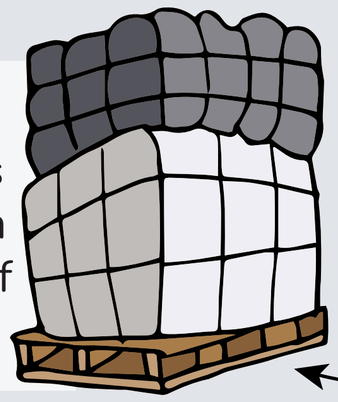
Material is received packaged in cardboard boxes, cans, bags, plastic, etc.

Cardboard is recycled before the depackaging process.

Unrecycled material goes to an incinerator or landfill.

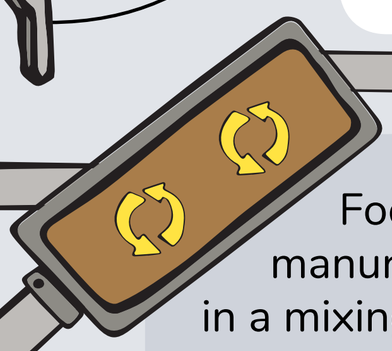


Materials go into a depackager and the machine grinds food waste while removing packaging materials.



Anything that is recyclable is recycled when it comes out of the machine.

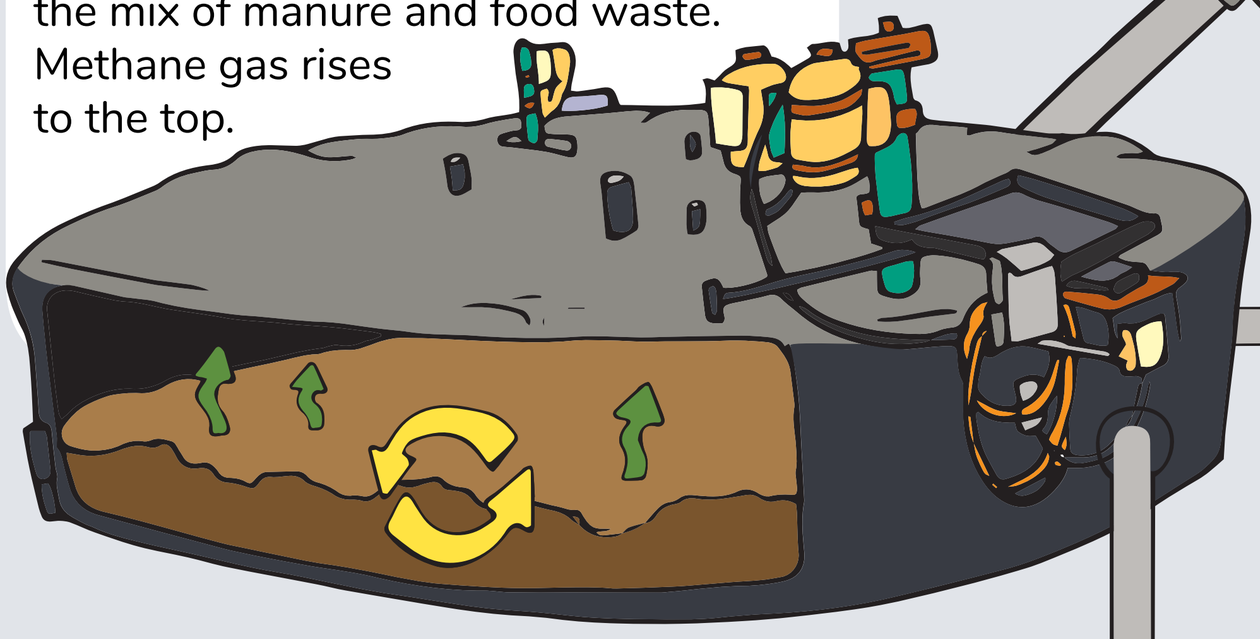
Manure from dairy cows is pumped out of the barn.

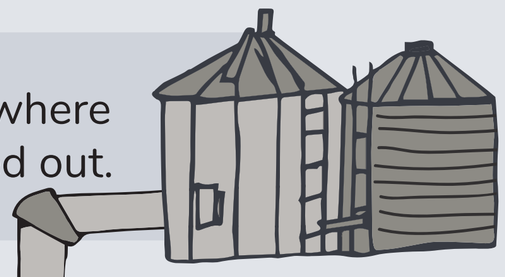


Food waste and manure are combined in a mixing area before being pumped into the digester.

Field growing crops. The liquid manure and food waste is used as fertilizer.

In the digester, bacteria breaks down the mix of manure and food waste. Methane gas rises to the top.

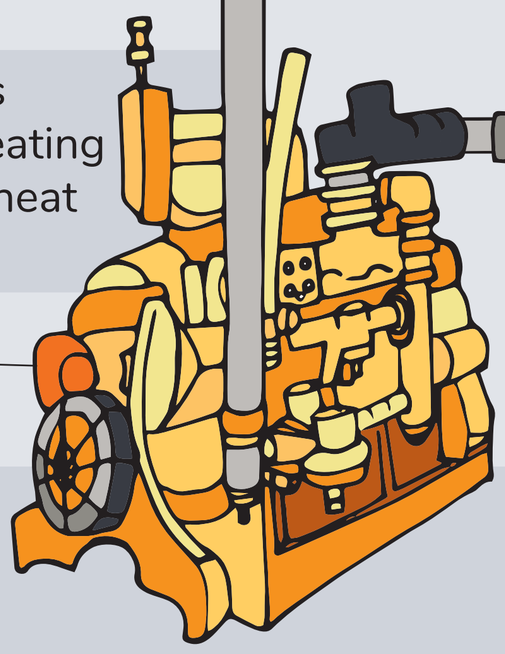


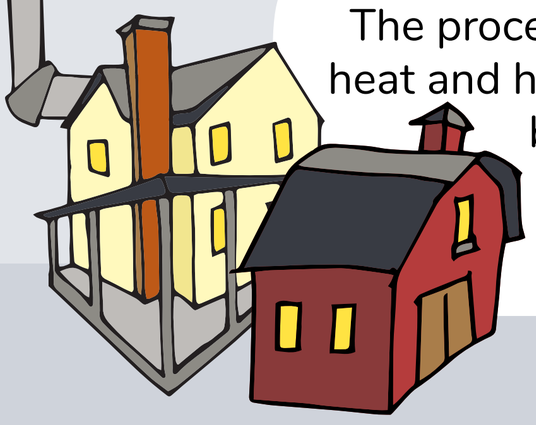


Corn bins where corn is dried out.

Electricity is sent back to the grid. The farm generates enough electricity to power 100 houses and the farm.

An engine burns methane gas, heating water to create heat and electricity.





The process provides heat and hot water for buildings on the farm.

Reinford FARMS

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reinfordfarms.com