

Introducing Biogas



Northeast Biogas Initiative

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find us on instagram and facebook

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Macro

Site Considerations



sunny location

your frequent paths

easy feeding, fertilizing

running the gas line

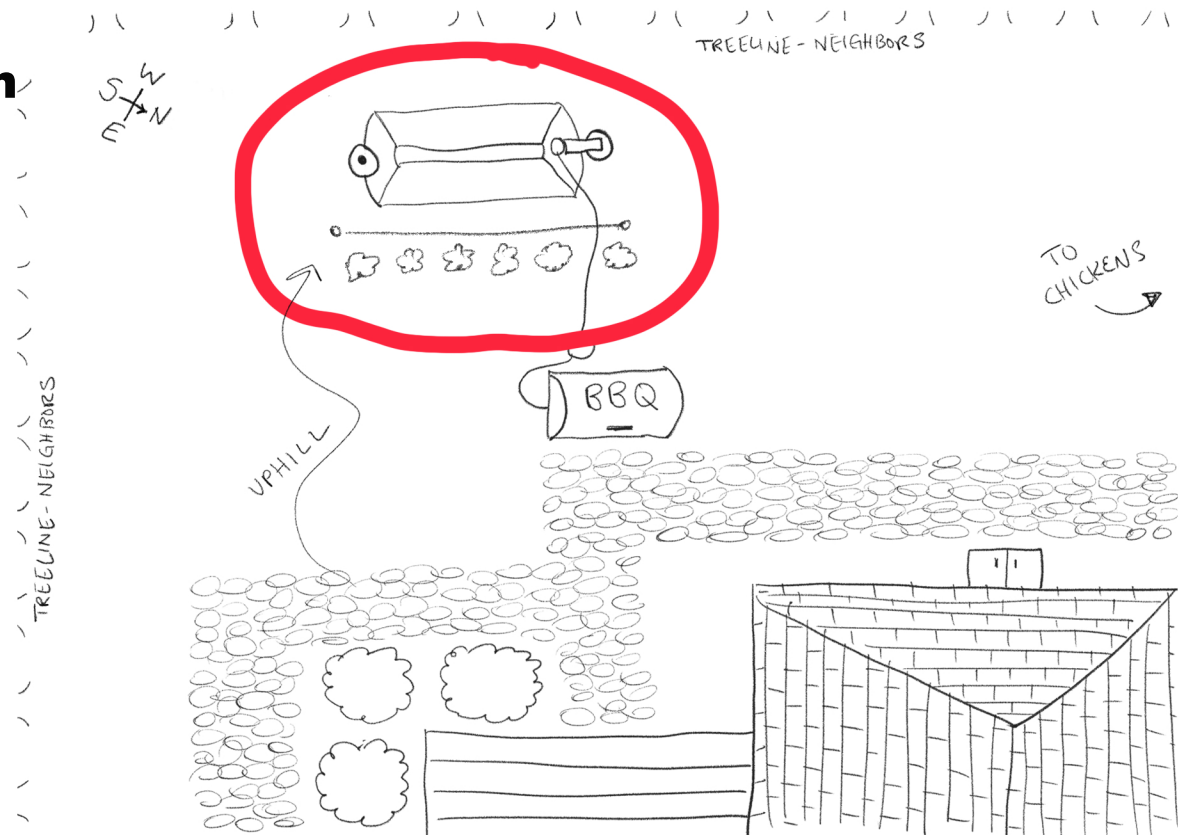
uphill / downhill

proximity to neighbors

smell, view

Example: Suburban Home

- sun from east and south
- close to frequent paths, for easy feeding
- far enough from house and neighbors
- bamboo screen and bushes to hide
- convenient cooking location



The Right Model for You

DIY 55-gal - \$150
1 qt compost/day

hobby/educational use
1-3 hours cook/week



HomeBiogas 2 - \$1000
1.5 gal compost/day

home/school/farm
1-2 hours cook/day



HomeBiogas 4 - \$1400
3 gal compost/day

home/school/farm/business
2-3 hours cook/day



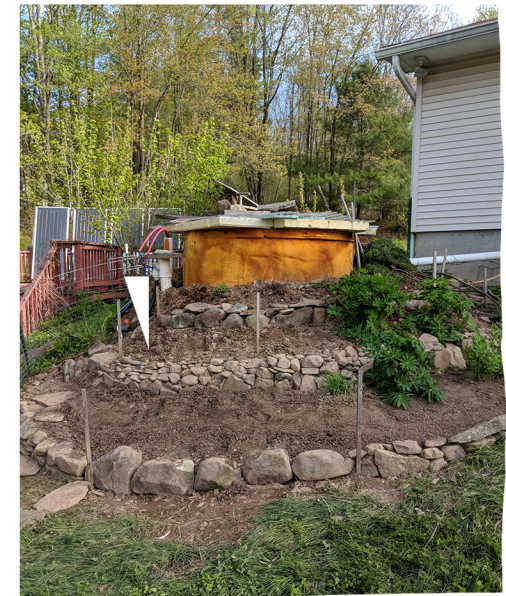
HomeBiogas 7 - \$1800
4.5 gal compost/day

home/school/farm/business
4-5 hours cook/day



Poured Concrete - \$15,000
variable size
insulated from cold

home/school/farm/business
variable output
heated with water from the house
integrated with kitchen sink



Questions to Consider

- ? Compost access/needs
- ? Cooking time
- ? Other gas uses
- ? Use of fertilizer
- ? Available space
- ? Cost of system

What can I feed my biodigester?

**Carbon : Nitrogen ratio
30 : 1 to 20 : 1**



**kitchen scraps
dog poop
livestock manure
humanure
used cooking oil*
coffee grinds*
egg shells*
bones***

***in small amounts**

How can I use my Biogas?



cooking



**electricity
generation**



space heating



lighting



water heating

How Can I Use My Fertilizer?



compost piles
woody debris
leaves+grass clippings
animal beddings
hugelkulture

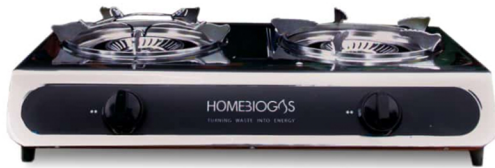
fruit trees
nut trees
berry bushes
maple operations
ornamentals
nursery stock

Fall bed prep
soil amendment
establishing new gardens
livestock grazing lands

Sell / Trade

What comes with a HomeBiogas 4?

Optional accessories: toilet, extra gas storage bag
Other necessary supplies: ~4 5-gal buckets



Counter-Top **Double-Burner Biogas Stove**



Gas Pipe 14m / 45ft for outdoor piping + 3m / 10ft for indoor piping



Gas Filter



An **Inlet Sink** with a plunger



Combined Fertilizer & Gas Outlet



Detailed printed **Assembly Guide** + Video Guide