



## Digester Site Assessment

*The following information is necessary for the planning and design of a biogas system and will provide a basis for additional discussions. Please feel free to contact us, if you have any questions.*

**Fill out this form digitally and, either fax the completed pages to 518-283-1287. or email the saved PDF to [info@chfourbiogas.com](mailto:info@chfourbiogas.com). For identification purposes, please save the file as yourname\_assessment.pdf**

Owner/Operator Information	
Name of Company	
Street Address	
City, State and Zip	
Company Legal Structure	
Company Manager/Contact Person	
Tel.:	
Fax:	
Cell:	
Email address:	
System Information	
Location (if different from above): Street Address	
City, State and Zip	
Legal structure for the planned system	<input type="checkbox"/> Single Owner <input type="checkbox"/> Multiple Owners <input type="checkbox"/> Lease Other:

Electricity Production	
New construction with about	kW/h
Expansion system with about	kW/h
Are there plans for future expansion?	Yes      No
Maximum wattage to grid?	kW/h
Level of wattage to grid	full / surplus
Heat Production	
Is there a plan to utilize excess process heat outside of the biogas operation?	Yes      No
If yes, where and how?	

<b>Emissions</b>			
Distance to adjacent town or village?		yds	
Distance to closest external residence?		yds	
The planned system site is zoned as	Agricultural	commercial	industrial
May concerns may be raised about	Nature	water	monuments other (e.g.: historic grounds)
Are there underground utility conduits?		Yes	No
If yes, what type?			
Has a geological survey been performed? (Ground composition, water level data)		Yes	No
<b>Groundwater Protection</b>			
Are there nearby bodies of water ?		Yes	No
Are there existing sewer pipes?		Yes	No
Are there existing structures that could be utilized in the biogas system?		Yes	No
Need existing structures be demolished?		Yes	No
<b>Supply Potential</b>			
Distance from biogas system to transformer station		yds	
Is there an existing transformer station on site?		Yes	No
If yes, KVA		KVA	
If more than one, how many?		pieces	
Total KVA capacity		KVA	
<b>Communication</b>			
What type of communication is available?		Telephone, analog Telephone, ISDN / DSL Cell Phone Other:	
<b>Access paths</b>			
Is there a fortified road to the planned location?		Yes	No
If yes, what type?	Field path	gravel path	other
<b>Traffic</b>			
Do the substrates have to be transported through a residential area?		Yes	No
Is there a concern about noise impact with regard to the transport of substrate?		Yes	No
Could the daily receiving operations have a noise impact?		Yes	No
Are there multiple access routes to the system site?		Yes	No

<b>Planning Documentation</b>	
Please supply following documentation if available:	
<ul style="list-style-type: none"> <li>- Aerial Photo or geographic location of the proposed digester location</li> <li>- Topographic Site Survey (1:1000, 1:5000; not older than 6 months)</li> <li>- Geologic Site Survey</li> <li>- Soil Borings Report</li> </ul>	
<b>Elevations</b>	
Elevation of system site above sea level?	ft / m above sea level
Is there a surveyed or verified elevation point?	Yes      No
If yes, where is this located?	
Is it marked on the planned lay-out?	Yes      No
Is there a surveyed site map?	Yes      No
Are there existing underground conduits on the planned system site?	Yes      No
Are these conduits marked in the plan?	Yes      No
<b>Labor</b>	
Will the biogas system be operated primarily by the owner?	Yes      No
Will the biogas system be operated by external labor?	Yes      No
Both?	Yes      No
<b>Financing</b>	
Will the biogas system be financed?	Yes      No
Do you have an offer for financing?	Yes      No
Are there investors?	Yes      No
Will you use your own capital?	Yes      No
If yes, In what amount?	\$
<b>Subsidy / Grants</b>	
Maximum subsidy amount?	\$
Subsidy percentage of total Investment?	%
<b>Electricity Wholesale Rates</b>	
Do you have a power purchase contract with the local utility?	
Rate per 1 kWh to grid	cents / kWh
Length of rate guarantee	years

<b>Contact Information for Permitting Agencies</b>	
Agency Responsible for permit application	
Contact Person	
Phone	
E-Mail	
<b>Municipal agency responsible for building permit</b>	
Contact Person	
Phone	
E-Mail	
<b>Other Permits / Reviews</b>	
Air Emissions / Fire Safety / Natural Resources Protection / Other	
Please provide relevant contact information	
<b>Biogas System</b>	
Existing lagoon or storage tanks?	Yes          No
If yes, capacity?	gallons
Available for use in biogas system?	Yes          No
If yes, distance to planned system location	yds

**Feedstock: Manure**

livestock units	Number/Each	Liquid Manure Amount per year		Solid Manure Amount per year	
	per year	in m <sup>3</sup>	Dry Solids Content	in tons (metric)	Dry Solids Content
dairy cow					
mother cow without calf					
mother cow with calf					
calf - less than 6 months old					
calf - 6 to 12 months old					
youngstock, 1 to 2 years old					
cattle over 2 years old					
bull - 6 to 18 months					
bull - 6 to 24 months					
Other:					

What type of manure collection system is currently in use?	
Is solid or liquid manure being accepted from other agricultural operations?	Yes      No
If yes, type	
Quantity per year	

**Feedstock: Crops**

Description	# of Acres	Yield: Ton/Acre	Dry Solids Content in %	Material per year in Tons	Cost per acre
corn silage					
grass silage					
whole plant grain					
switch grass					
grain seed, ground					
wheat straw					
corn stalks					
household grass clippings clover					
commercial grass clippings					
fodder-/sugar beet leaves					
sugar beet					
fodder beet					
grain cleaning residue					
foliage					
Other:					

Total useable agricultural area (fields and grassland)	acres	
owned	acres	
leased	acres	
Is there an agreement to take fertilizer	Yes	No
of this grassland	acres	
owned	acres	
leased	acres	
Is there an agreement to take fertilizer	Yes	No

**Feedstock: Processing Waste**

**Do you currently have a contract with an organic material supplier?**

Description	Tons per year	% of dry solid content	Pretreatment	
			chopped	heat-treated
			yes/no	yes/no
fruit pomace				
oil seed residue				
apple mash				
apple pomace				
grain mash				
potato mash				
potato water				
potato pulp				
beer draff				
beer yeast				
beer waste				
potato shreds				
starch potatoes				
food waste potatoes				
potato peels				
household kitchen waste				
commercial kitchen waste				
vegetable waste				
food scraps				
bread waste				
baking waste				
pig blood				
whey				
rumen contents (pressed out)				
rumen contents (untreated)				
stomach contents (pig)				
flotate sludge				
Fats Oils and Greases (FOG)				
Other:				

Feedstock from External Sources	
Vendor contact information	
Revenue from acceptance of material (tipping fees)	\$ / ton
Length of agreement	years
Are materials still packaged?	Yes No
How are materials delivered?	.....own pick-up.....external.company
Existing pasteurization / pretreatment facilities?	Yes No