



St. Landry, LA

BioCNG Vehicle Fuel Project Fact Sheet





St. Landry, LA

BioCNG Vehicle Fuel Project Fact Sheet

Biogas Source	MSW Landfill
Disposal Rate <i>(average tons per day)</i>	275 TPD
Gas Collected <i>(entire site)</i>	300 scfm
Gas Quality	Methane (CH ₄) - 55-58%
Flare	Onsite flare used continuously
Other Gas Use	None
Available Gas for CNG	50 scfm
Size of BioCNG Unit	BioCNG 50
Components	H ₂ S removal, chilling, VOC/Siloxane removal, CO ₂ removal, skid-mounted
Fueling Unit	Air & Gas Technology-fast fueling, single compressor
Start-Up Date	March 2012
Fuel Production (GGE)	Up to 250 GGE/day
Waste Gases	Landfill flare
Back Up For CNG Fueling	Gasoline bi-fuel vehicles
Fleet Size/Type	15 sheriff and public works vehicles

Typical BioCNG Sizing and Cost Information					
System size	Biogas inlet flow (scfm)	Typical Fuel Production (GGE/day)	Typical CapX (\$million)	Typical O&M (\$/GGE)	Typical Total fuel cost (\$/GGE)
BioCNG 50	50	200-300	1.2	1.06	1.77
BioCNG 100	100	375-600	1.5	0.82	1.19
BioCNG 200	200	775-1200	2.0	0.64	0.52
	<i>Notes:</i> 1. Cap x includes BioCNG conditioning unit and fueling station. 2. Grants, subsidies, tax credits not included. 3. Assumes 10 year financing at 4%. 4. BioCNG is qualified to receive Renewable Fuel Standard Credits. Financial impact will depend on the project-specific operating scenario, and can be up to \$1/GGE. 5. Does not include road tax 6. Assume 60% methane				



For more information, please contact:
 KayTurgeson - (630) 410-7202
 biocnginfo@biocng.us

