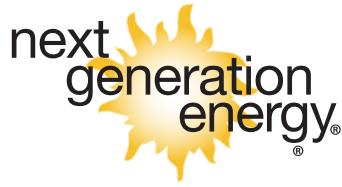


Company Code _____



Next Generation Energy®
75 Waneka Pkwy. Lafayette, CO 80026
303.665.2000 | 877.NGE4SUN | fax 303.664.1268
WWW.NGEUS.COM

Questionnaire for Off-Grid Applications

Copyright 2008 Next Generation Energy®

CLIENT INFO	
Company:	Phone:
Main Contact:	Cell Phone:
Last Name:	Email:
First Name:	
Billing Address:	
City/State:	Zip Code:
Materials ONLY Quote:	
Materials PLUS INSTALL (from NGE certified Dealer):	
Design Services Needed (\$300 min.):	
Certified Dealer:	
PROJECT INFO	
Address:	
City/State:	Zip Code:
GPS Coordinates:	
Longitude:	
Latitude:	
Elevation:	
Micro-Climate:	

What is the driving force behind obtaining this system? (rate the following from 1-5, 1 being the most important)

Economics____ Reliability____ Durability____ Independence____ Environmental____

Is fossil fuel a possibility for back-up? Desirable?

List the renewable energy factor (energy percentage supplied by the sun/wind/other renewables) Example 100% no fossil fuel - renewable energy factor of 50-80% recommended.

If the renewable energy factor is less than 100% please list type of fossil fuel support available i.e. Propane, natural gas, diesel, gasoline, etc.

Do you wish for the system to be scalable?

Are you aware of any obstacles to overcome before installing the system? For example; site issues such as trees, ground water, limited space, steep land, tough access, remoteness, etc.

Is this a year round or seasonal application? _____

If seasonal describe in detail:

Will system need batteries? _____ If so, what type of batteries (if known)?

How many days of autonomy are needed?

What do you consider the most important factor when selecting batteries?

(rate the following from 1-5, 1 being the most important)

Cost: maintenance or lack of: longevity: power output: reliability:

If commercial application, do you wish to explore other storage options i.e. Flywheel, fuel cell, etc. Caution these options are usually much more expensive than batteries.

Will the batteries be in a conditioned space?

What will be the average temperature in Fahrenheit? This assumes batteries will be relatively close to panels and charge controllers and or inverter if required. If not please explain.

What are the voltage requirements of the system?

How many amp hours are required per day? IF NOT KNOWN, WE NEED A COMPLETE LIST OF (two of the following) *amperage, wattage, or voltage for each component that requires electricity. Include information on all loads i.e. ac or dc. Example appliance says it uses 11 amps at 120 volts. Please specify each load as ac or dc.*

List hours of day each component is used on average:

Are there any continuous loads? What are they?

Are there any phantom loads? What are they?_

Are there non-continuous loads? What are they? Are there any surge loads? What are they?_

When working with a structure, how are you handling the following situations:

**Cooking? Cooling? Heating? Refrigeration? Lighting? Hot Water production?
Water supply? Irrigation? Fire protection? Other? Please specify**

Are there any large loads that occur intermittently? I.e. well pumping, welding, stock tank heater, etc?

Wind generator potential? If yes, describe resource:

Is there solar panel installation potential?

Describe type of mounting required i.e. Pole, roof, rack, ground, single axis tracking, dual axis tracking, pontoon, etc.

Any preference to type of technology used for photovoltaic?

Hydro potential? If yes, describe resource:

Ground source potential? If yes, describe resource:

Other sources of potential power? If yes, describe resource: Example- wood pellet stove

Is grid tie capability expected anytime soon? If yes, describe:

Are you aware of any permitting issues?

Are you aware of any rebate process?

Are you aware of any jurisdictional requirements?