

Complete and sign this form and include all attachments.

1. Contact Information.

Name of Owner/Applicant	Telephone	Email	
Avatar Energy Nevada Incorporated	877 282-8270	info@avatarenergy.com	
Mailing Address	City	State	Zip Code
2865 Silver Sage Drive	Carson City	NV	89701

Name of Applicant's Representative	Telephone	Email	
Stephen Wampler	925 210 9060	swampler@avatarenergy.com	
Mailing Address	City	State	Zip Code
1981 N. Broadway, Suite 430	Walnut Creek	CA	94596

2. Project Location. (Attach maps of appropriate scale to show clearly the location of the proposed project with respect to other identifiable topographical or geographical features in the area of the project; Attach proof of ownership, rights-of-way, easements or agreements showing that the applicant holds or is able to acquire all land, other than public land, or acquire interests therein and any water rights necessary for the construction of the proposed project; Provide copies of any liens on the property)

Legal Description of Property*	County		
Hill Side Dairy	Churchill		
Physical Address/Location	City	State	Zip Code
4170 Bass Road	Fallon	NV	89406

*Attach a complete metes and bounds legal description if available.

3. Project Description. (Attach additional documentation to fully describe the project, as needed. Applicant should supply documentation demonstrating experience and track record with constructing similar projects).

<p>Describe the type of renewable energy system, technology, vendors, contractors and system capacity. How much energy will the system generate or transmit on an annual basis?</p> <p>This project will place an anaerobic digester system designed and installed by Avatar Energy, LLC on a 2,000 cow dry lot dairy farm in Fallon Nevada. This project will place an above ground anaerobic digester to capture and process liquid waste generated from the milking parlor. The system will: digest manure from the existing dairy herd to produce biogas; utilize biogas to generate renewable electrical energy; and utilize digester effluent as crop fertilizer and bedding material. This proposal facilitates the deployment of commercialized innovative renewable energy technology in Nevada.</p> <p>Economically this project will offset all of the farms utility bills, bedding costs, supplemental heating and improved fertilizer value of their post digester effluent manure, meanwhile improving the overall long term farm sustainability. Environmentally this project will substantially improve water and air quality of the farm and surrounding community. Energy benefits from this project include approximately 745,635kW (746 MW) of renewable energy generated annually and reduce the cost of the total farm operations (dairy barns, milking parlor, machine shop, and homes) energy use. The farm will net meter the generated power with Nevada Energy to offset their current utility expenses. In addition, the farm will use a portion of the energy and biogas produced to run a roller mill to crack and process corn kernels for feed stock.</p> <p>Desert Hills Dairy will install an Avatar Energy AnD750 with a 150 kW cogeneration system. The system can accommodate a manure intake of 11,250 gallons per day and can produce approximately 48,800ft³ of biogas per day (29,295,000 BTUs per day of renewable energy) approximately 65.1ft³/day/cow. The biogas produced is converted into electrical energy and heat by the cogeneration system. Heat is captured off the engine block and exhaust at approximately 150 - 180°F with glycol heat exchangers. Excess hot water produced and not utilized by the digester is</p>
