

APPLICATION FOR LISTING A LIVESTOCK OFFSET PROJECT				
OPR Staff Use Only	Date Application Received:	OPR Tracking Number:	Date Application Reviewed:	OPR Staff Use Only
PART I. ENTITY APPLYING FOR LISTING				
Is this form being submitted by the Offset Project Operator (OPO) or by the Authorized Project Designee (APD)? Notes: 1. The person completing this form should be an OPO/APD employee. 2. If the APD is submitting this form, the OPO should submit the form Designation of Authorized Project Designee simultaneously.				<input checked="checked" type="checkbox"/> OPO <input type="checkbox"/> APD
Name of Person Completing Form: Nick Facciola		Organization, if applicable: Origin Climate Inc.		
Date Form Completed: August 26, 2016		Phone Number: 415-762-4727	Email Address: nick@OriginClimate.com	
PART II. OFFSET PROJECT INFORMATION				
Offset Project Name: Greenwood Dairy Anaerobic Digester				
Offset Project Commencement Date: February 13, 2014		First Reporting Period Start Date: April 1, 2016	First Reporting Period End Date: March 31, 2017	
PART III. OPO/APD INFORMATION				
Part III.A OPO				
OPO Name: Origin Climate Inc.			OPO's CITSS ID#: CA 1418	
Mailing Address: 4 Embarcadero Center, Ste. 1400		City: San Francisco	State: CA	Zip: 94111
Contact Person: Nick Facciola	Phone Number: 415-762-4727	Email Address: nick@OriginClimate.com		
Part III.B APD (if applicable) <input checked="checked" type="checkbox"/> No APD/Not Applicable				
APD Name:			APD's CITSS ID#: CA _ _ _ _	
Mailing Address:		City:	State:	Zip:
Contact Person:	Phone Number:	Email Address:		
PART IV. OFFSET PROJECT LOCATION				
Street Address: 1087 State Highway 310		City: Canton	State: NY	Zip: 13617
Latitude: 44.6735		Longitude: -75.1489		
Governing Jurisdictions: New York State Department of Environmental Conservation				

Part V. OTHERS INVOLVED IN PROJECT

Facility Owner:	Name: Greenwood Dairy Farm LLC		
	Contact Person: Jon Greenwood	Phone Number: 315-386-3231	Email Address: lindagreenwood@yahoo.com
Technical Consultants:	1.	Name:	
		Contact Person:	Phone Number: Email Address:
	2.	Name:	
		Contact Person:	Phone Number: Email Address:
Other Parties with a Material Interest:	1.	Name: Origin Climate Inc.	
		Contact Person: Nick Facciola	Phone Number: 415-762-4727 Email Address: nick@OriginClimate.com
	2.	Name:	
		Contact Person:	Phone Number: Email Address:

PART VI. ANIMAL FACILITY LOCATION

Does the location of the animal facility differ from the Offset Project Location provided in Part IV?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Name of Animal Facility:			
Street Address:	City:	State:	Zip:

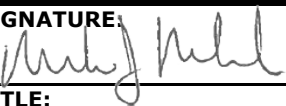
Part VII. ATTACHMENTS

On an attached separate sheet(s) of paper, describe the offset project and facility type (see instructions).

PART VIII. OTHER QUESTIONS (GENERAL)

1. Have any GHG reductions associated with the offset project ever been registered with or claimed by another registry or program, or sold to a third party prior to our listing?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, identify the registry or program (vintage and reporting period) below:			
Registry/Program: n/a	Reporting Period(s): n/a	Vintage(s): n/a	Credits Issued: n/a
2. Is this offset project being implemented and conducted as the result of any law, statute, regulation, court order, or other legally binding mandate? If yes, explain below:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Part IX. ATTESTATIONS AND OPO SIGNATURE

<u>mjm</u> Initial	I certify under penalty of perjury under the laws of the State of California the GHG reductions and/or GHG removal enhancements for			
	Project Name: Greenwood Dairy Anaerobic Digester	from	Crediting Period Start Date: 4/1/2016	to Crediting Period End Date: 3/31/2026
	will be measured in accordance with the Compliance Offset Protocol Livestock Projects, November 14, 2014, and all information required to be submitted to ARB is true, accurate, and complete.			
<u>mjm</u> Initial	I understand I am voluntarily participating in the California Greenhouse Gas Cap-and-Trade Program under title 17, article 5, and by doing so, I am now subject to all regulatory requirements and enforcement mechanisms of this program and subject myself to the jurisdiction of California as the exclusive venue to resolve any and all disputes arising from the enforcement of provisions in this article.			
<u>mjm</u> Initial	I understand that the offset project activity and implementation of the offset project must be in accordance with all applicable local, regional, and national environmental and health and safety laws and regulations that apply to the offset project location. I understand that offset projects are not eligible to receive ARB or registry offset credits for GHG reductions and GHG removal enhancements that are not in compliance with the requirements of the cap-and-trade program.			
In signing this form, I certify under penalty of perjury of the laws of California that the information contained in this form is true, accurate, and complete. I further certify that I am an Account Representative of the Offset Project Operator (OPO).				
SIGNATURE: 		PRINTED NAME: Mark Mondik		
TITLE: Managing Director		DATE: 8/30/2016		

Part VII. Attachments:

- As required by the Compliance Offset Protocol Livestock Projects, November 14, 2014, please provide on attached sheet(s) of paper descriptions of both the offset project and the facility type. You may follow the following outline in providing the descriptions:

I. Offset project description, including type of digester and method of destruction (one to two paragraphs)

The Greenwood Dairy Anaerobic Digester utilizes manure from Greenwood Dairy in Canton, New York. The Project consists of one above-ground, fully mixed anaerobic digester tank designed by RCM International LLC with a soft cover. The circular tank holds a capacity of 180,000 cubic feet. The digester system is operated at mesophilic temperatures and has a 25-day retention time. Biogas from the digester is primarily destroyed in a lean-burn engine-generator set to generate electricity. The Guascor MGG-500 engine can output 484 kW but the Stamford HCM636J generator is limited to 406 kW output. The project also has an enclosed flare to burn excess gas.

II. Description of the type of facility (e.g., dairy, swine, etc.)

- a. For a dairy facility, please include the following elements in the description:*
 - 1. average number of total animals*

Greenwood Dairy is home to approximately 2,500 milking cows including young stock, all housed in freestall barns. Most of the barns deliver manure to the digester.

- 2. type(s) of manure collection (e.g., scrape, flush, etc.) and frequency of manure collection*

All of the freestall barns are scraped three times daily to a culvert that gravity flows to the collection pit.

- 3. written description of pre-project (baseline) manure management system for all animals, including number of lagoons, pits, etc.*

In the baseline scenario at Greenwood Dairy, manure was fed to the same reception pit on the same frequency. At that point, manure was pumped directly to the lagoon for long-term storage.

- 4. written description of any and all pre-project covers on lagoons or pits (including for storm water or odor purposes) include type, material, and manufacturer*

The lagoon pit exceeds 1 meter in depth, and never had any cover, so in the baseline manure decomposed under anaerobic conditions with methane gas releasing to the atmosphere.

- 5. respective fraction of the manure from the milking herd, dry cows, and heifers that was sent to an anaerobic storage system pre-project*

The herd contributing manure to the digester includes more than 1,100 milking cows and 600 replacements. 100% of their manure is scraped to the collection pit now as in the baseline. In the baseline, that manure was delivered to the anaerobic lagoon and in the project scenario that manure is delivered to the digester.