



Introduction to Green-e Climate

Third-party certification for carbon offsets

Michelle McGinty
Manager, Program Outreach

Maggie Lund
Analyst, Certification Programs

About



CRS

center for
resource
solutions

- ✓ Non-profit in San Francisco
- ✓ Founded in 1997
- ✓ Policy work and certification programs
- ✓ Education and support

OUR MISSION

Creating policy and market solutions to advance sustainable energy.



Green-e



Energy



Climate



Marketplace



Climate
CERTIFIED

the global retail standard for carbon
offsets



Climate

CERTIFIED

Carbon Offsets

Carbon Offset Natural Gas, and Fuel Offset Programs

Carbon Offsets sold by third-party distributors

Fixed and customized products

Project-specific offsets



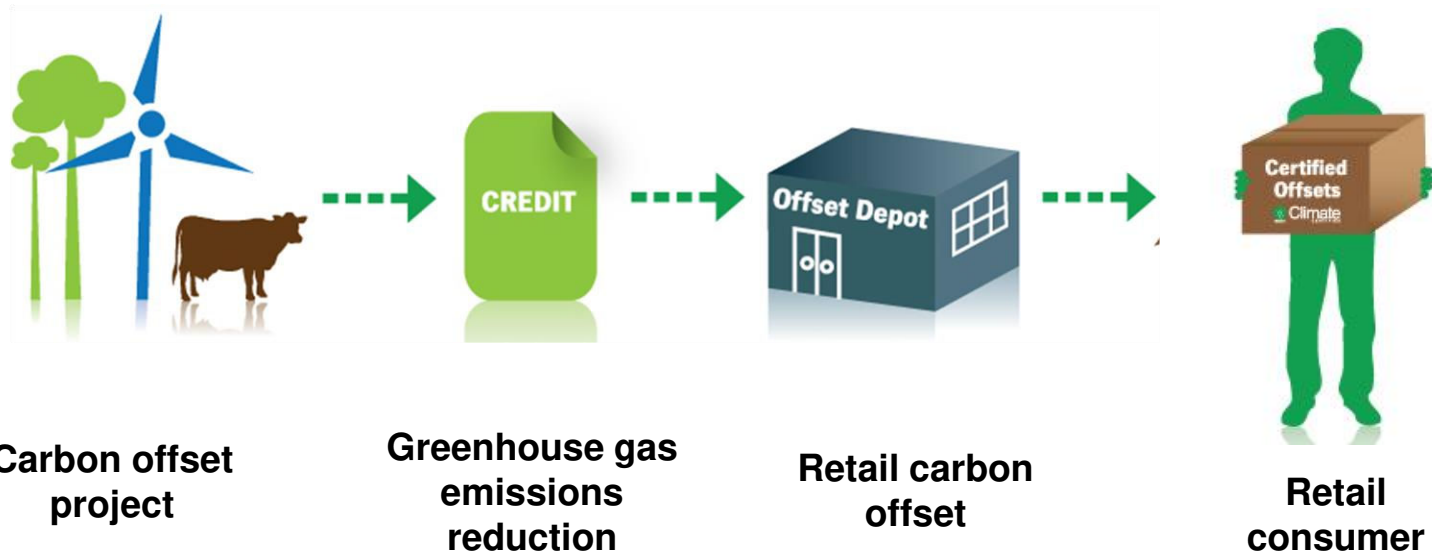
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Oversight



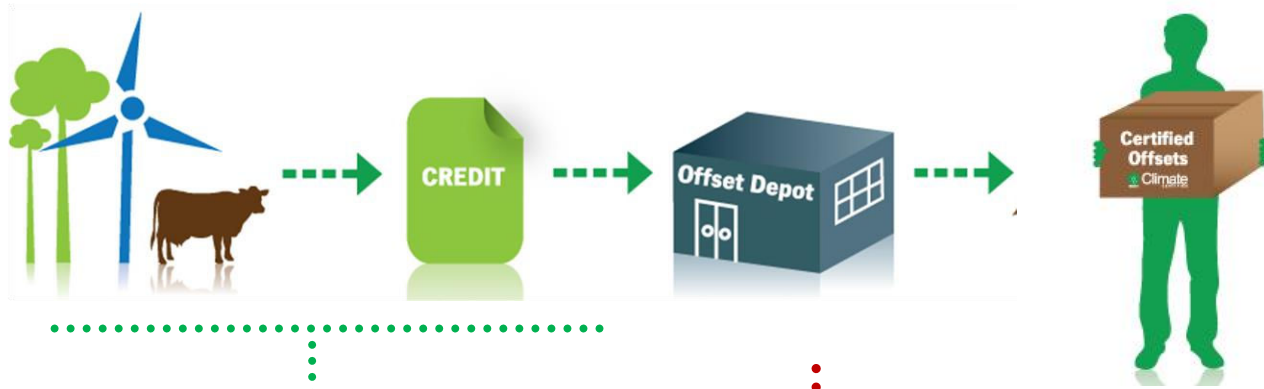
Carbon Offset Market



Carbon Offset Market - Oversight



Risk in the retail market

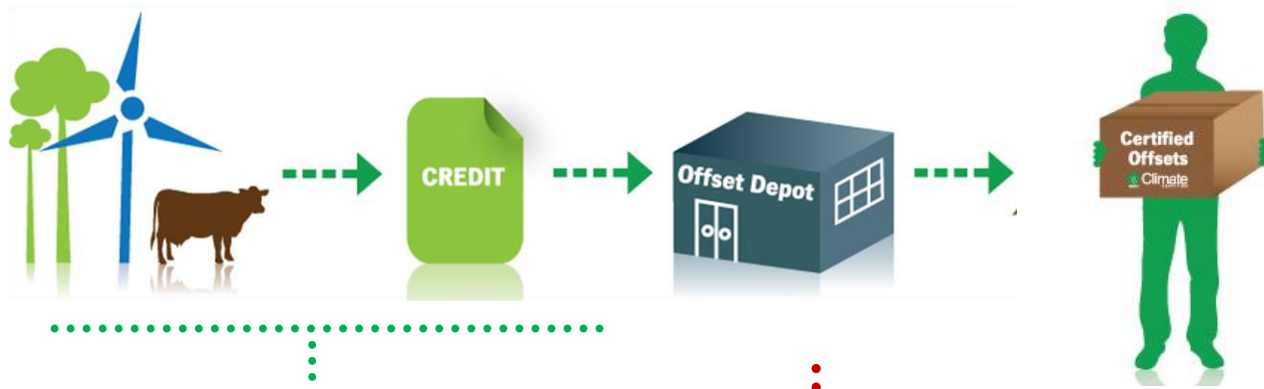


Project-level certification standards

No oversight leaves room for:

- Fraud and Double Selling
- Deception
- Mistakes

Risk in the retail market



Project-level certification standards

- Risk for the buyer
- Risk for the seller

Retail oversight





Green-e

Climate



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- **Permanence**
- **Additionality**
- **Verified**
- **Enforceable**
- **Real**

Unique Assurances

1. **Verified GHG emissions reductions come from projects certified under high-quality project standards.**



- **Permanence**
- **Additionality**
- **Verified**
- **Enforceable**
- **Real**

Green-e Climate Endorsed Programs





- Permanence
- Additionality
- Verified
- Enforceable
- Real
- Ownership

Unique Assurances

2. Emissions reductions are not being double-sold. Retirement of correct volumes and types of emissions reductions on behalf of customers based on an audit of sales and supply.

Annual Verification Audit



- Permanence
- Additionality
- Verified
- Enforceable
- Real
- Ownership
- Disclosure

Unique Assurances

3. Customers are given complete and accurate information about their purchase and are not misled with inaccurate advertising.

Marketing Compliance Review




- Permanence
- Additionality
- Verified
- Enforceable
- Real
- Ownership
- Disclosure

Carbon Offset Content Label

Product Name The Offsets-R-Us Super Offset			
Project Type	Project Certification	Project Location	% of Product*
Landfill Methane Capture	Climate Action Reserve	United States	50%
Renewable Energy	Verified Carbon Standard	Brazil	50%







The emission reductions supplied were created in:	2011
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	<p>Green-e Climate is an independent certification program for greenhouse gas emission reductions (offsets) sold on the voluntary market. It provides a way to identify products that meet the program's high environmental and consumer-protection standards. For more information on Green-e Climate certification requirements, or to find certified products, see www.green-e.org or call 888-63-GREEN.</p> <p><small>*The percentages listed are prospective. Actual figures may vary. For more information on how much they can vary see <i>Price, Terms & Conditions</i>.</small></p>
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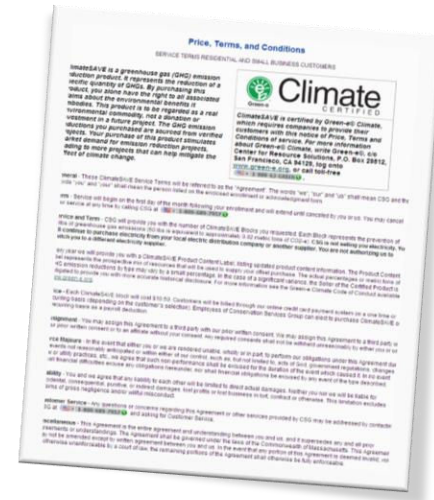


- Permanence
- Additionality
- Verified
- Enforceable
- Real
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Project List

 <p>Hills Wind Farm</p> <p>...just off of historic ... five thousand ... of cattle grazing ... lands, the 123 MW Red ... Wind Farm is the third ... largest wind farm in the state ...</p> <p>Read More</p>	 <p>Tatanka Wind Farm</p> <p>Acciona's largest wind farm in the world to date, the Tatanka Wind Farm is spread over 12,000 acres of rural land that is used for cattle grazing and agriculture.</p> <p>Read More</p>	 <p>Farmers City Wind Project</p> <p>When the Farmers City Wind Farm began operation in early 2009, it was the largest wind project in Missouri, and nearly doubled the state's wind power capacity.</p> <p>Read More</p>
 <p>Milpitas Unified School District</p> <p>SOLAR PHOTOVOLTAIC</p>	 <p>Milpitas Unified School District</p> <p>SOLAR PHOTOVOLTAIC</p>	 <p>Milpitas Unified School District</p> <p>SOLAR PHOTOVOLTAIC</p>

Price, Terms, and Conditions





- **Additionality**
- **Permanence**
- **Real**
- **Ownership**
- **Verified**
- **Enforceable**
- **Disclosure**



A.P.R.O.V.E.D.



Climate
CERTIFIED

differentiate your programs with
third-party certification and chain of
custody oversight



Climate

CERTIFIED

the easiest way for your
customers to be confident in their
purchase



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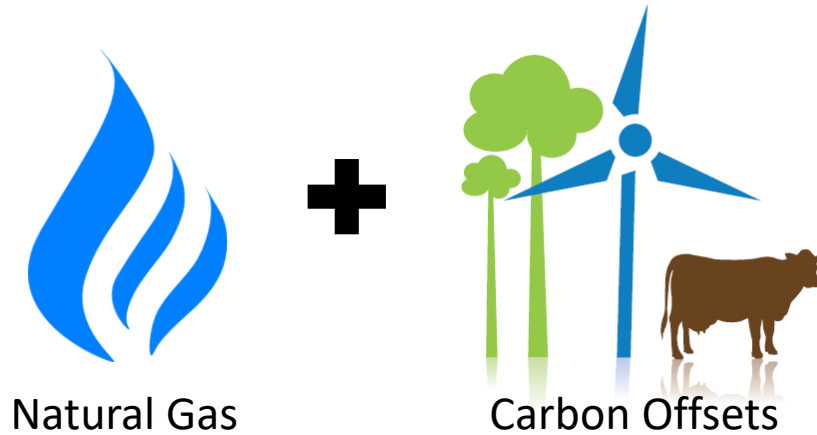
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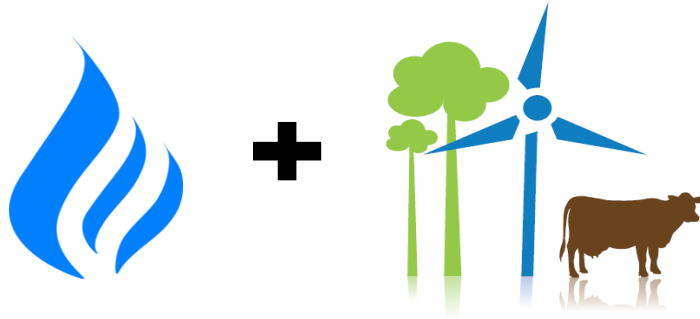
Benefits of Green-e Certification

- Demonstrates overall product quality
- Establishes consumer confidence
- Reduces risk to all parties
- Protects against double claims
- Meet best practices for marketing and sales
- Use the trusted certification logo

Gas Offset Programs



- P.A.V.E.R. Offset Quality
- Independent Verification of Sales and Exclusive Delivery
 - Transparency and Truth in Marketing



How does it work?

1. Open an account in a carbon offset registry. Purchase offsets.
2. Track customers' natural gas usage. Convert therms to metric tons of CO²e.
3. Retire carbon offsets (CO²e) on behalf customer natural gas usage.

No change to supply or sources of gas required

Green-e Climate in LEED v4



- BD&C – EA CREDIT: GREEN POWER AND CARBON OFFSETS (maximum 2 points)
- ID&C – EA CREDIT: GREEN POWER AND CARBON OFFSETS (maximum 2 points)
- EBOM – EA CREDIT: RENEWABLE ENERGY AND CARBON OFFSETS (maximum 5 points)

“Carbon offsets [...] must be Green-e Climate certified, or the equivalent.”

Purchaser Recognition





Marketplace



Verification of offset purchase and percent of emissions covered for events, facilities, operations, vehicle fleets, and more.

Table 1.A - Base Fees per Product

Base Fee for First Renewable Energy ("RE") or First Offset Product ¹	Additional RE Product or additional Offset Product	Base Fee for Non-profit (RE products only; details below)	Fee per Third-Party Distributor (offsets only; details below)	Base Fee for Federal Option product with Concurrent Green-e Energy Product ²
\$5,000	\$4,000	\$1,100	\$250	Waived

Table 1.B - Volumetric Fees

MWh (RE products) or Tons (Offsets)	Retail (\$ / MWh or Ton)	Wholesale (\$ / MWh or Ton)
1 - 250,000	\$0.031	\$0.03
250,001 - 2,000,000	\$0.018	\$0.0025
2,000,001 – 5,000,000	\$0.013	\$0.0005
>5,000,000	\$0.012	\$0.0005

CONTACT

Michelle McGinty

Manager, Program Outreach

Center for Resource Solutions

Michelle.mcginty@resource-solutions.org



@greenemarktplc



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