



Green-e[®] Certification for Renewable Fuels

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AGA 2020 Virtual Fourth Annual RNG Workshop

Green-e[®] Certification

- Global leader in clean energy certification
- Consumer protection for voluntary renewable energy purchases
- Over 68 million MWh in retail transactions certified in 2019, enough to power over half of U.S. households for a month.



Green-e[®] Governance Board

Current representatives from:

- Natural Resources Defense Council (NRDC)
- Union of Concerned Scientists (UCS)
- CDP
- National Renewable Energy Laboratory (NREL)
- Center for Resource Solutions (CRS)
- Southern Environmental Law Center
- Renewable Northwest
- WSP | Parsons Brinckerhoff
- Sacramento Municipal Utility District (SMUD)
- Keyes, Fox & Wiedman LLP
- SunPower Corporation

Plus, non-voting members from 3Degrees, Puget Sound Energy, Carbon Solutions Group

Green-e[®] Renewable Fuels



Objectives

- Accelerate the adoption of renewable fuels, while ensuring that the gas is from sustainable renewable resources and meets the highest environmental standards
- Ensure customers are protected in their purchase and ability to make verifiable usage claims

Standard 2nd Draft

- Initial focus on biomethane from waste sources; may be expanded in the future
- Covers U.S. and Canada
- Regulatory surplus required: no RINs or LCFS credits for the same dekatherm sold in a Green-e[®] certified transaction
- Verification and audit required
- Consumer disclosures and marketing compliance review
- No double counting, double selling, double claiming

Production Pathways

A. Fuel Type: Biomethane

B. Sources of Production:

1. Digester Gas
2. Landfill Gas

C. Feedstocks for Anaerobic Digestion

- A. Municipal Wastewater
- B. Organic component of municipal solid waste when separated prior to landfilling
- C. Food waste
- D. Vegetative matter, such as yard waste, shrub, or chaparral
- E. Crop residue

Stakeholder Feedback

2nd Open stakeholder comment period open August 31-October 30, 2020. Feedback is requested on:

- Definitions
- Utility program requirements and residential customers
- Feedstocks, including wastewater and energy crops
- Use of animal waste and confined animal feeding operations (CAFOs)
- Production requirements, including permit violations and digestate management practices
- Carbon Intensity, including thresholds, leakage, and calculation methodologies
- Vintage of renewable production
- Production Facility Age
- Raw Biogas
- Certification program structure and options

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Lessons Learned from the Electricity Market

- Certification is crucial in a nascent market
- Stakeholder feedback helps create robust Standard and program
- Standard must be adaptable but clear



Standard Setting Process

- Advisory Group
- Working Group
- Terms of Reference
- Draft Standards
- Stakeholder comment periods
- Independent Green-e[®] Governance Board votes on the final draft of the Standard

Timeline: plan to release the final Standard by the end of 2020

Next Steps

2nd Open Stakeholder Comment Period is open August 31-October 30, 2020

60-day comment period—please provide feedback

www.green-e.org/renewable-fuels

Informational webinar on the 2nd comment period: October 8, 11 am-12 pm Pacific

www.resource-solutions.org/events

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forum for the clean
energy marketplace*



Renewable EnergyTM
Markets 2020

September 21st-24th 2020 ONLINE

Contact.

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