



APPLYING RNG TO CORPORATE SUSTAINABILITY GOALS

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Background



M-RETS creates and tracks Renewable Thermal Certificates (RTCs) and Renewable Electricity Certificates (RECs) across North America.



M-RETS RECs are able to contain hourly data information and peak/off-peak and RTC's may include verified carbon intensity data.



M-RETS supports RTC and REC compliance and voluntary markets in one easy to use platform that utilizes the latest software.

- **Mission:** M-RETS validates the environmental attributes of energy to serve as a trusted centralized gateway to environmental markets.
- Independent non-profit 501(c)(4) with a stakeholder board.
- M-RETS tracks in all states and provinces.



Why use a certificate tracking system?

The goal is to **simplify** process for all parties

The screenshot shows the M-RETS Certificates tracking system interface. The top navigation bar includes the M-RETS logo, 'Main RT Organization', and a user profile for 'Alice Super'. The left sidebar contains navigation links for Dashboard, Certificates, Transactions, Accounts, Projects, Generation, Programs, and Help. The main content area is titled 'Certificates' and shows '8,812 RTCs'. It features tabs for 'Active', 'Retired', and 'Withdrawn'. Below the tabs are buttons for 'Transfer', 'Retire', 'Withdraw', 'Reset', and a download icon. A table displays a list of certificates with columns for Account, M-RETS ID, Project, Thermal Resource, Feedstock, Vintage, Location, Quantity (RTCs), and Serial Numbers. Each row includes a checkbox for selection.

Account	M-RETS ID	Project	Thermal Resource	Feedstock	Vintage	Location	Quantity (RTCs)	Serial Numbers
<input type="checkbox"/> My biogas account	T1111	Jones Farm	Biogas	Biogas (Generic)	11/2016	ND	6200	T1111-ND-11-2016-C135B0
<input type="checkbox"/> My biogas account	T1111	Jones Farm	Biogas	Biogas (Generic)	12/2016	ND	1000	T1111-ND-12-2016-AAB515
<input type="checkbox"/> My biogas account	T1111	Jones Farm	Biogas	Biogas (Generic)	09/2018	ND	500	T1111-ND-09-2018-CB32DF
<input type="checkbox"/> My biogas account	T1111	Jones Farm	Biogas	Biogas (Generic)	08/2018	ND	100	T1111-ND-08-2018-34BD4A
<input type="checkbox"/> My biogas account	T1112	Springfield Landfill	Renewable Natural Gas	Anaerobic Digestion of 100% Green Waste	09/2018	ND	967	T1112-ND-09-2018-F115DD
<input type="checkbox"/> RTCs account 2	T1111	Jones Farm	Biogas	Biogas (Generic)	10/2018	ND	45	T1111-ND-08-2010-BAFE55

What does an RTC look like?

RTC Information

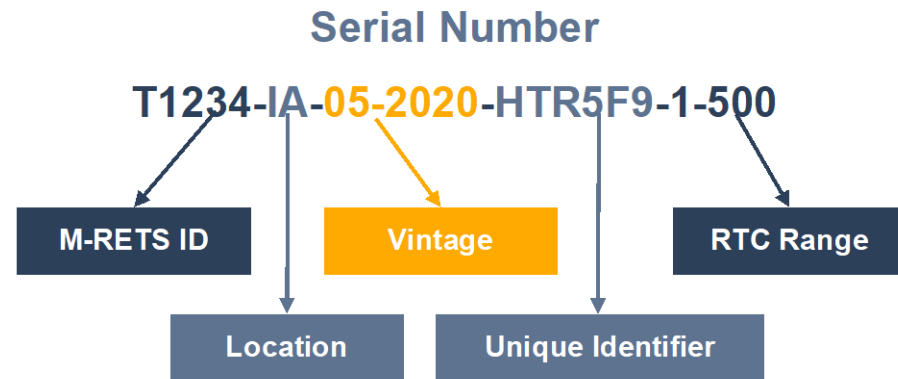
**Dekatherm (Dth) Renewable Thermal =
1 Renewable Thermal Certificate**

Certificate Details include:

- Serial Number (See Example)
- Account
- Project
- Thermal Resource
- Feedstock
- Vintage
- Location
- Quantity

Carbon Pathways (If Applicable)

IRE Verification (If Applicable)



System Benefits

RTC Batch Details



Serial Numbers T1112-ND-09-2018-F115DD-9001 to 9977

Project	Account	Thermal Resource	Feedstock	Vintage	Quantity
Springfield Landfill	My biogas account	Renewable Natural Gas	Anaerobic Digestion of 100% Green Waste	09/2018	977

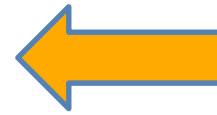
Injection Receipt:

Carbon Pathways

Name	Tool Name	Carbon Intensity	grams CO2 / Dth	Date Range	CP Endpoint	CP Endpoint Description	Injection Point	Document
RNG LCA #1	GHGenius 5.0f	0.25	263.750	2018-01-01 - 2020-01-01	Injection Point	N/A	46.1764445, -123.9092231	t2n-1248_report.pdf

Eligibilities

No eligibilities available



Active RTCs

RTC Batch Details



Serial Numbers T1112-ND-09-2018-F115DD-9968 to 9977

Project	Account	Thermal Resource	Feedstock	Vintage	Quantity
Springfield Landfill	Retirement account 1	Renewable Natural Gas	Anaerobic Digestion of 100% Green Waste	09/2018	10

Carbon Pathway

Name	Tool Name	Carbon Intensity	grams CO2 / Dth	Date Range	Document
RNG LCA #1	GHGenius 5.0f	0.25	263.750	2018-01-01 - 2020-01-01	t2n-1248_report.pdf

Retirement Reason: Corporate Renewable Claim

Eligibility

Notes: Acme Corp. Retirement 2020 RNG Claim

Period: 2020

Retired For: NY

Retired RTCs





Unknowns/Market Holdups

Claims:

- Reduction of carbon vs. traditional thermal resource or gross volume?
 - Scope Emissions Issue – How companies can count RNG use in scope emissions is currently holding up the industry!
- How will states and/or the FTC regulate?
- Will regulators allow voluntary claims stacking like RFS/LCFS?

Data:

- As these markets grow there will be a greater need for data standardization. M-RETS is working on this for both REC & RTC markets.



An aerial photograph of a wastewater treatment plant. The foreground is dominated by several large, circular aeration tanks with metal grates on top. In the middle ground, there are several rectangular concrete basins, some containing brown sludge. A paved area with several trucks and a yellow crane is visible. In the background, there are several long, industrial-style buildings with grey roofs. The entire image is overlaid with a semi-transparent green filter and large, faint, curved lines.

THANK YOU

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