

A GUIDE TO M-RETS RENEWABLE THERMAL



In the realm of environmental attribute tracking, a Renewable Thermal Certificate (RTC) stands as a distinctive representation of the environmental attributes entwined with the generation and utilization of one dekatherm (Dth) of renewable thermal energy. At the forefront of facilitating this representation is the M-RETS platform, which champions the utilization of rigorously validated carbon intensity pathways. These pathways are meticulously calculated through the application of the following models: Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation (GREET) (available in California Air Resources Board/Low Carbon Fuel Standard, OR, and WA versions), Greenhouse Gas Genius, and the International Sustainability and Carbon Certification (ISCC).

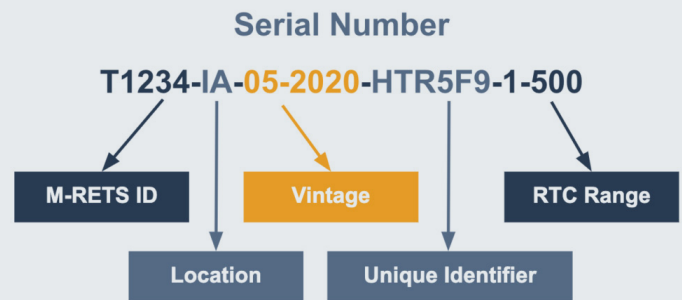
What sets M-RETS apart is its commitment to providing users with the ability to tailor their RTC claims with precision. Through the utilization of these established models, individuals and organizations can handpick carbon intensities that align precisely with their unique environmental goals and considerations. This personalized approach ensures that the retirement process of RTCs accurately reflects the distinctive attributes of each thermal energy source.

In a world increasingly focused on sustainability and environmental responsibility, the utilization of RTCs and the sophisticated models supporting them mark a significant step forward in promoting the use of renewable thermal energy sources. It not only acknowledges the diverse nature of renewable thermal energy but also empowers stakeholders to make environmentally informed choices, contributing to a greener, more sustainable future.

Anatomy of an RTC

Certificate details include:

- Serial number
 - Account
 - Project
 - Thermal resource
 - Feedstock
 - Vintage
 - Location
 - Quantity
- If applicable:*
- Eligibilities
 - Carbon pathways
 - IRE verification



Why use the M-RETS Renewable Thermal (RTC) System?

The RTC Tracking System is a web-based tracking platform that supports existing markets by providing:

- Higher level of integrity through a verification and certification process for every dekatherm (Dth)
- Increased market transparency for counter parties and regulators
- Increase liquidity (both exchange-based and over-the-counter bilateral transactions)
- Scientifically validated carbon values to facilitate GHG reduction claims

M-RETS is a proven platform that has a long track record in commodity tracking among clean energy stakeholders. The State of WA and OR have designated M-RETS the compliance tracking system for their state clean fuel programs.

M-RETS RTC System Subscription Types

I'm looking to...

Upload RTC Generation	● ● ●
Hold RTCs	● ●
Transfer RTCs	● ●
Accept RTC Transfers	●
Withdraw RTCs	● ●
Retire RTCs	● ●
Retire RTCs for State RPS Compliance	
Create Accounts for my RTCs	● ●
Create Programs	●
Participate in Programs	● ●

● Generator Only | ● General Subscribers | ● Independent Reporting Entity

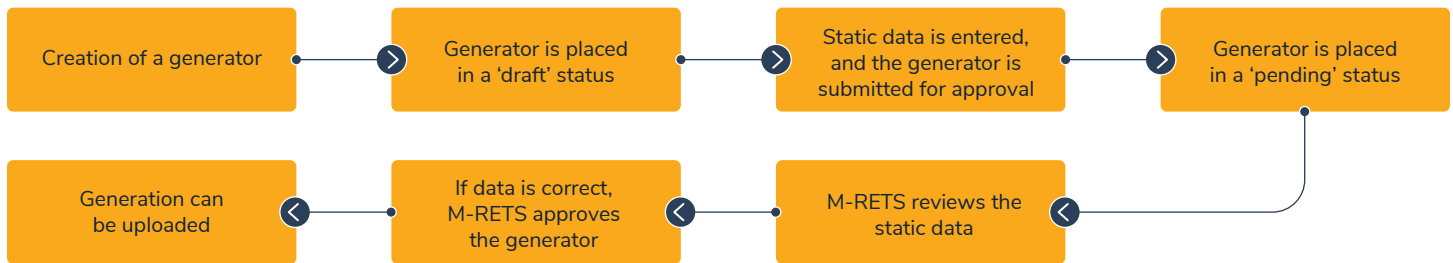


Generator Registration

To register a Generator, users must complete the following:

- 1 A completed online generator registration form containing information related to the characteristics of the generating unit.
- 2 If applicable: A completed Schedule A from the M-RETS Terms of Use outlining the Generator Owner's Designation of Responsible Party.
- 3 M-RETS requires an Engineering Report, performed by a licensed PE. M-RETS may require additional documentation to verify the information submitted in the generator registration.
- 4 Determine if the generator will use an independent reporting entity (IRE).

Step-by-Step Generator Registration Process



Reporting Generation

To ensure that double counting does not occur M-RETS requires that 100% of generation is reported.

M-RETS facilitates the reporting of RTC qualified generation to issue RTCs not sold into a regulatory program (e.g., a state Low Carbon Fuel Standard ("LCFS") or the EPA Renewable Fuel Standard ("RFS") that may not use M-RETS).

Independent Reporting Entity (IRE)

Based off the California LCFS program, we require the use of an IRE if you want to register and sell RTCs into the LCFS or RFS program.

Self-Reporting

M-RETS allows generators to self-report generation data. Generation is reported via the user interface and M-RETS requires documentation to validate the quantity of generation reported.

Fuel Sources

M-RETS issues RTCs from a diverse array of fuel sources, including but not restricted to green hydrogen, renewable natural gas (RNG), and biogas. For a comprehensive list of feedstock resources, please refer to Appendix B: Resource Type & Feedstock Source within the M-RETS Renewable Thermal Operating Procedures.

Programs

Organizations can leverage certificates within vehicle fuels programs such as LCFS or RFS, contingent upon the official designation of M-RETS by the state program as an approved compliance tracking tool with the allowance for stacking. Additionally, M-RETS extends its eligibility to facilitate the establishment of state compliance programs using the M-RETS program feature.

What is M-RETS?

M-RETS is a nonprofit, mission-driven organization that aims to grow renewable energy and renewable gas generation markets through digital infrastructure. The central objective behind M-RETS' online platform is to enhance market transparency, elevate the credibility of transactions beyond traditional paper attestations, and deliver the intrinsic value and liquidity required to bolster renewable thermal projects.

