

ADVANCING UTILITY GREEN TARIFFS ACROSS ASIA



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Thailand's Utility Green Tariff (UGT)

Bundled RECs through

Utility

Embedded within Thailand's
Electricity Supply Industry

Operated by three power utilities



Green

Global Standard Renewable Energy
Certificate REC)

Certified by I-TRACK



Tariff

UGT1 (User-unspecified Sources)
UGT2 (User-specified Sources)

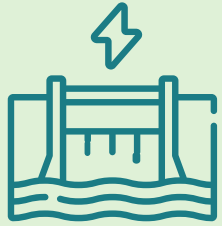
Regulated by ERC



More info: www.ugt-thai.com

UGT1 & UGT2 (Bundled RECs)

RE100 Friendly



RE source:
Hydropower

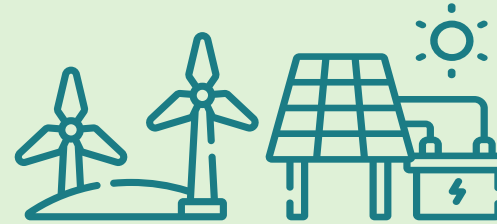
UTILITY GREEN TARIFF 1

USER-UNSPECIFIED green energy from existing RE capacity with RECs redeemed on behalf of end users

- ◆ Eligible for all types of Electricity Users
- ◆ Top up premium on regular bills
- ◆ Demand-supply matching on “UGT Platform”
- ◆ Annual subscription
- ◆ Applications accepted quarterly

ACTIVE (since July 2025)

7 Power Plants
(~2,000 GWh/year)



RE source:
Solar, Solar+BESS, Wind

UTILITY GREEN TARIFF 2

USER-SPECIFIED green energy from new RE capacity with RECs redeemed on behalf of end users

- ◆ Eligible for Electricity Users Type 4 and 5
- ◆ New tariff structure (not uniform)
- ◆ Demand-supply matching on “UGT Platform”
- ◆ 10-year contract
- ◆ 2 Portfolios: A (2024-2027) and B (2028-2030)

PROPOSED (expected 2026)

245 Power Plants
(~12,000 GWh/year)

UGT1 & UGT2 (Tariff Structure)

Utility Green Tariff Type 1 : User-unspecified Sources

$$\text{UGT1} = \text{Normal Tariff incl. } F_t + \text{Premium (REC + Admin Fee)}$$

Premium is changed every year.

PREMIUM

REC

+ Admin

Normal
Tariff
+ F_t

F_t (Fuel Adjustment Charge)

A regulated variable surcharge updated every 4 months by regulator (ERC) to account for fluctuations in fuel costs and exchange rates that are beyond the utility's control.

Utility Green Tariff Type 2 : User-specified Sources

UGT2 = **New tariff structure** with Generation Charge derived from the cost of renewable electricity procurement with associated RECs

UGT1

0.0375
(0.0012
USD/kWh)

Normal
Tariff
+ F_t

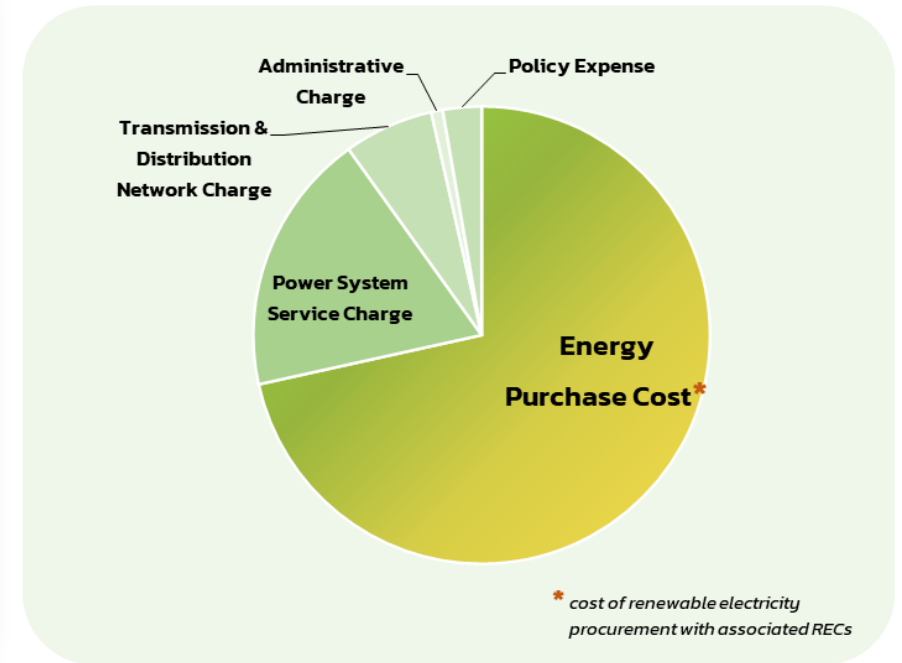
UGT2

(~ 0.14
USD/kWh)

4.5622*
or
4.5475*

based on which
subscribed
Portfolio

THB/kWh



*Awaiting ERC's approval

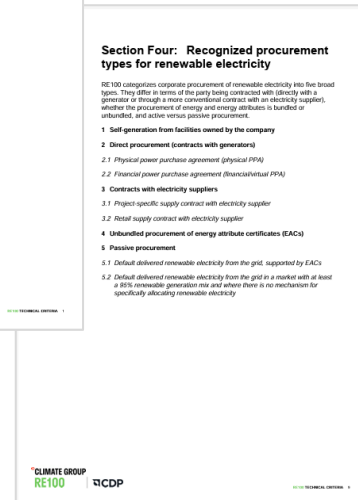
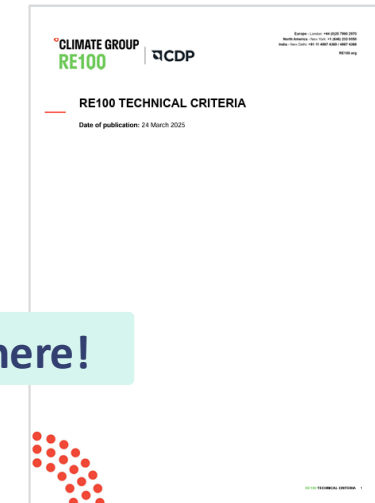
RE100: Technical Criteria

- 1) Self-generation from facilities owned by the company
- 2) Direct procurement (contracts with generators)
 - 2.1 Physical power purchase agreement (physical PPA)
 - 2.2 Financial power purchase agreement (financial/virtual PPA)
- 3) Contracts with electricity suppliers
 - 3.1 Project-specific supply contract with electricity supplier
 - 3.2 Retail supply contract with electricity supplier
- 4) Unbundled procurement of energy attribute certificates (EACs)

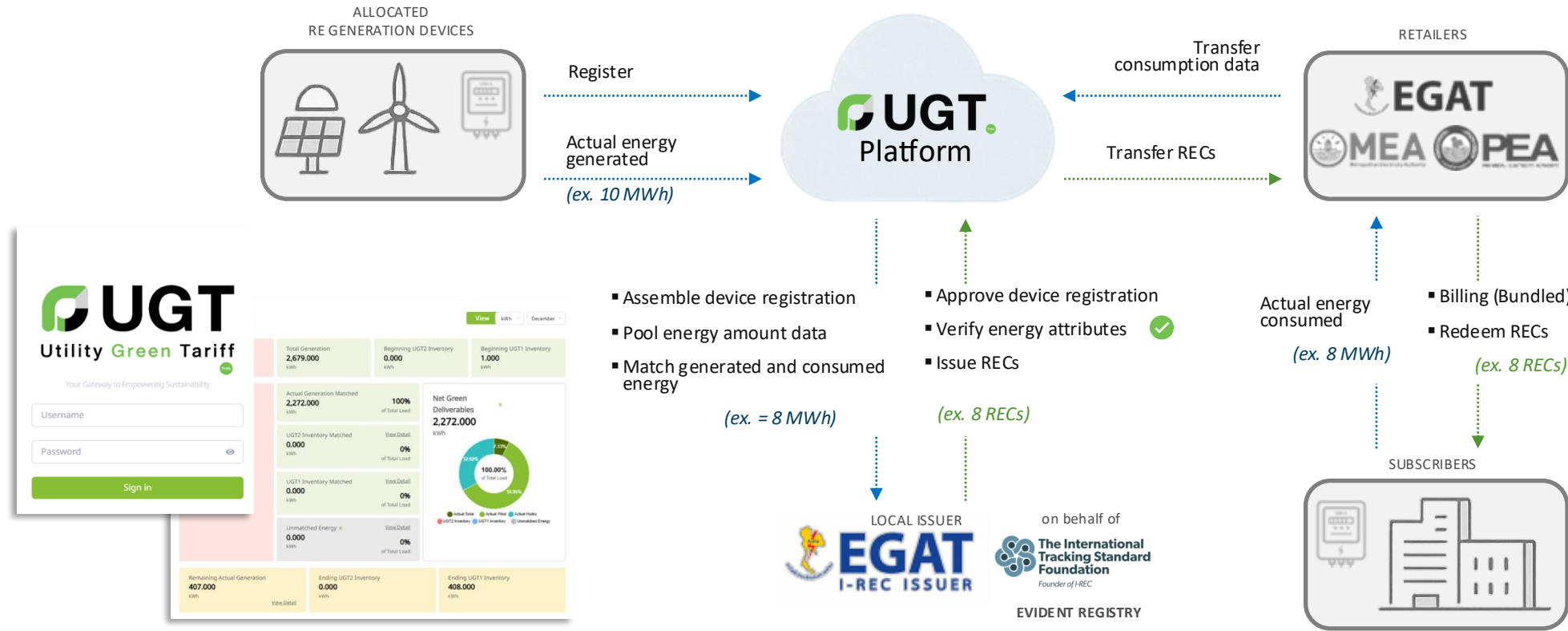


UGT is here!

UGT



UGT Platform



UGT Platform serves as a central hub for Generation and Load matching. By integrating with the *I-TRACK* Standard's Evident Registry, it enables direct REC issuance, ensuring a “transparent”, “auditable”, and “efficient process”.