31 January 2023

Advisory Number : REM- 2023-02

Subject : **Issuance of 2018 Renewable Energy Certificates (RECs) for the Renewable Energy Generated by Registered Voluntary Generators**

Dear REM Participants,

Please be advised that the RE Registrar has already issued the corresponding RECs for the renewable energy generated by registered Voluntary Generators (e.g. Non-WESM RE Embedded Generator, Net-Metered Facilities, and RE For Own-Use) for the January 2018 to December 2018 billing periods.

In this regard, we request all Host Distribution Utilities (DU) to perform the following:

1. Review the RECs issued to your company via the Philippine Renewable Energy Market System (PREMS) for the said billing periods; and

2. Accomplish and sign the REC Validation Form herein attached and submit it to us via email to reregistrar@wesm.ph or through the Secured File Transfer Protocol (SFTP) at https://ftp-in.wesm.ph/login on or before **15 February 2023, 05:00 PM.**

Please note that non-submission of the accomplished and signed REC Validation Form on the indicated deadline shall be considered **as confirmation of the correctness of the RECs issued to your organization** for the subject billing periods. Any request for extension for validation is highly discouraged.

To help you in validating your RECs from voluntary generators, please refer to the **Guide in Manually Validating the Renewable Energy Certificates (REC) from Voluntary Generators** attached to this Advisory.

Should you have concerns regarding this advisory, you may send an email through reregistrar@wesm.ph.

Thank you.

For the RE Registrar,

[redacted]

CLARES LOREN C. JALOCON
Head, Corporate Planning & Communications Department

Guide in Manually Validating the Renewable Energy Certificates (REC) from Voluntary Generators
Issue Date: 31 January 2023
Version: 1.0

A. How to Manually Compute Issued RECs from Fully Eligible (*i.e. RE facility came into commercial operations starting 2009 onwards*) Voluntary Generators

Steps:

1. Prepare the monthly metered quantity data submitted in the PREMS. Note that only metered quantities with "CONFIRMED" status in the PREMS are processed for REC computation.
2. Get the equivalent REC (i.e. 1 MWh= 1 REC) per facility based on the **monthly MQ.**
3. Get the sum of the quarterly carry-over value per facility and add it to the MQ of the first month in the next quarter. Please take note of the following reminders for carry-overs:
   i. When there is no generation in the first month of the next quarter, the carry-over value should be added to the next month with generation and compute the equivalent RECs thereof (*see sample in Table 3 below*).
   ii. Always check the carry-over value. If the facility has no carry-over from the last quarter, check if it has a carry-over from the other previous quarters.
4. Refer to Tables 1 to 4 for sample data and REC computation.

5. Abbreviations used:
    - NM01- Net-metered facility number 1
    - EG01- Non-WESM Registered Embedded Generator number 1
    - MQ - Metered Quantity
    - REC- Renewable Energy Certificate
    - CO- Carry- over

Table 1: Sample Computation for 1st Quarter Per Facility

Facility Code	201801			201802			201803			Total REC for Q1	CO for Next Quarter
	MQ	REC	CO	MQ	REC	CO	MQ	REC	CO		
NM01	0.8	0	0.8	0.8	0	0.8	0.8	0	0.8	0	2.4
EG01	1,500.8	1,500	0.8	1500.8	1,500	0.8	1,500.8	1,500	0.8	4,500	2.4
										4,500	**4.8**

Table 2: Sample Computation for 2nd Quarter Per Facility

Facility Code	Q1 CO	201804				201805			201806			Q2 RECs	CO for Next Quarter
		MQ	Total MQ (+ Q1 CO)	REC	CO	MQ	REC	CO	MQ	REC	CO		
NM01	2.4	0.8	3.2	3	0.2	0.8	0	0.8	0.10	0	0.8	3	1.8
EG01	2.4	1,500.8	1,503.2	1,503	0.2	1,500.8	1,500	0.8	1,500.8	1,500	0.8	4,503	1.8
												4,506	**3.6**

Table 3: Sample REC Computation for 3rd Quarter Per Facility

Assumption: There is no generation in the first month (201807) of the 3rd quarter. Add the carry-over in 201808.

Facility Code	Q2 CO	201807 MQ	201808				201809			Q3 RECs	CO for Next Quarter
			MQ	Total MQ (+ Q2 CO)	REC	CO	MQ	REC	CO		
NM01	1.8	0	0.8	2.6	2	0.6	0.8	0	0.8	2	1.4
EG01	1.8	0	1,500.8	1,502.6	1,502	0.6	1,500.8	1,500	0.8	2,002	1.4
										2,004	**2.2**

Table 4: Sample REC Equivalent for 4th Quarter Per Facility

Facility Code	Q3 CO	201810 MQ	Total MQ for 201810	201810		201811			201812			Q4 RECs	CO for Next Quarter
				REC	CO	MQ	REC	CO	MQ	REC	CO		
NM01	1.4	0.8	2.2	2	0.2	0.8	0	0.8	0.8	0	0.8	2	1.8
EG01	1.4	1,500.8	1,502.2	1,502	0.2	1,500.8	1,500	0.8	1,500.8	1,500	0.8	4,502	1.8
												4,504	3.6

Table 5 shows the summary of the quarterly MQ and corresponding RECs per facility.

Table 5: MQ and REC Summary

Facility	Q1		Q2		Q3		Q4		Total		CO Next Year (Total MQ- Total REC)
	MQ	REC	MQ	REC	MQ	REC	MQ	REC	MQ	REC	
NM01	2.4	2	2.4	2	1.6	1	2.4	2.0	8.8	**7.0**	1.8
EG01	4,502.4	4,502	4,502.4	4,502	3,001.6	3,00	4,502.4	4,502.0	16,508.8	**16,507.0**	1.8
Total	4,504.8	4,504	4,504.8	4,504	3,003.2	4,500	4,504.8	4,500.0	16,517.6	**16,514.0**	3.6

B) How to Manually Compute Issued RECs from Partially Eligible Voluntary Generators

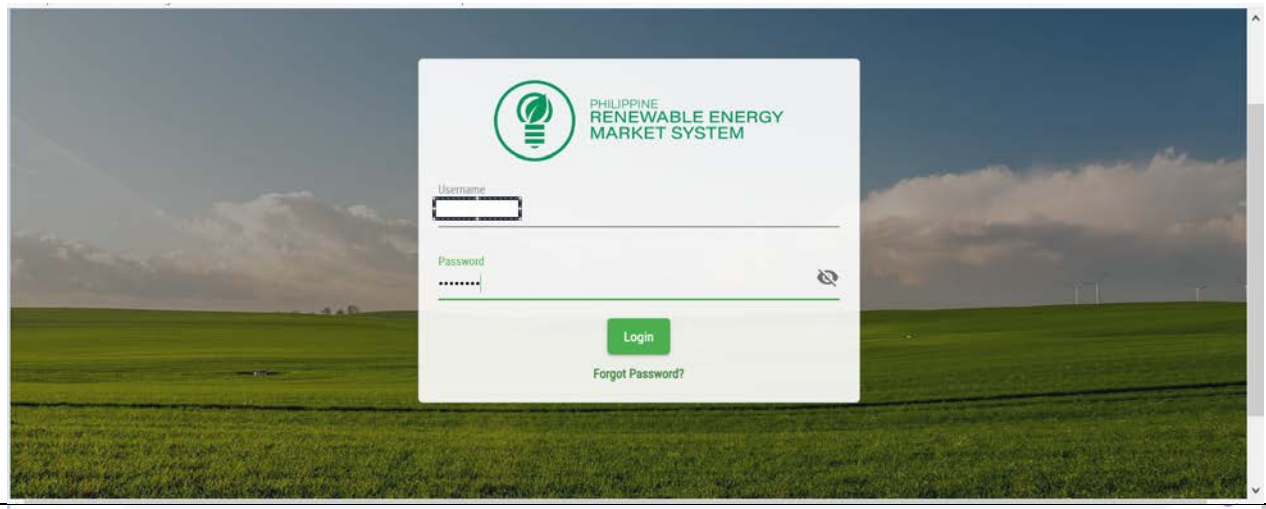
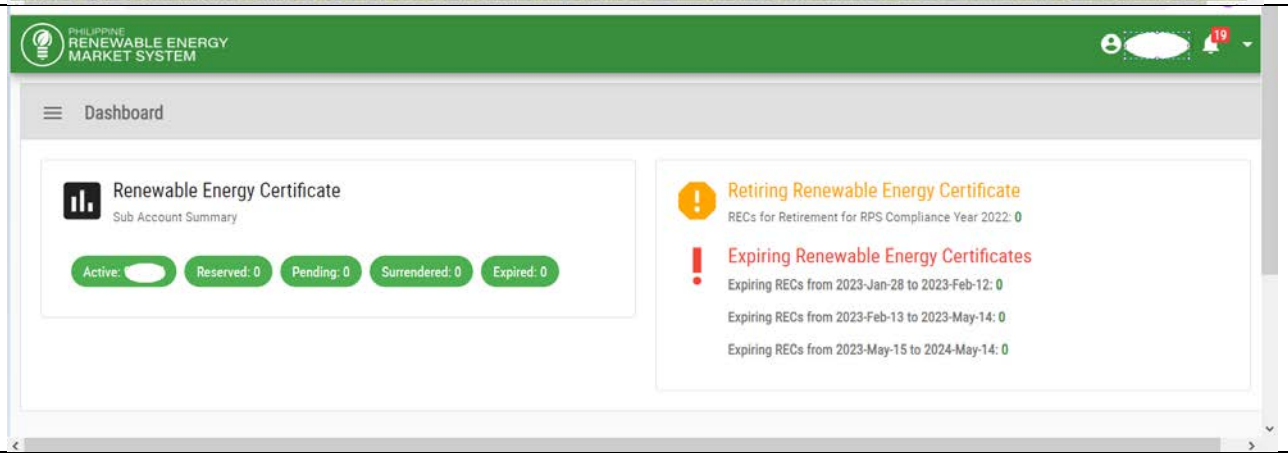
Steps:

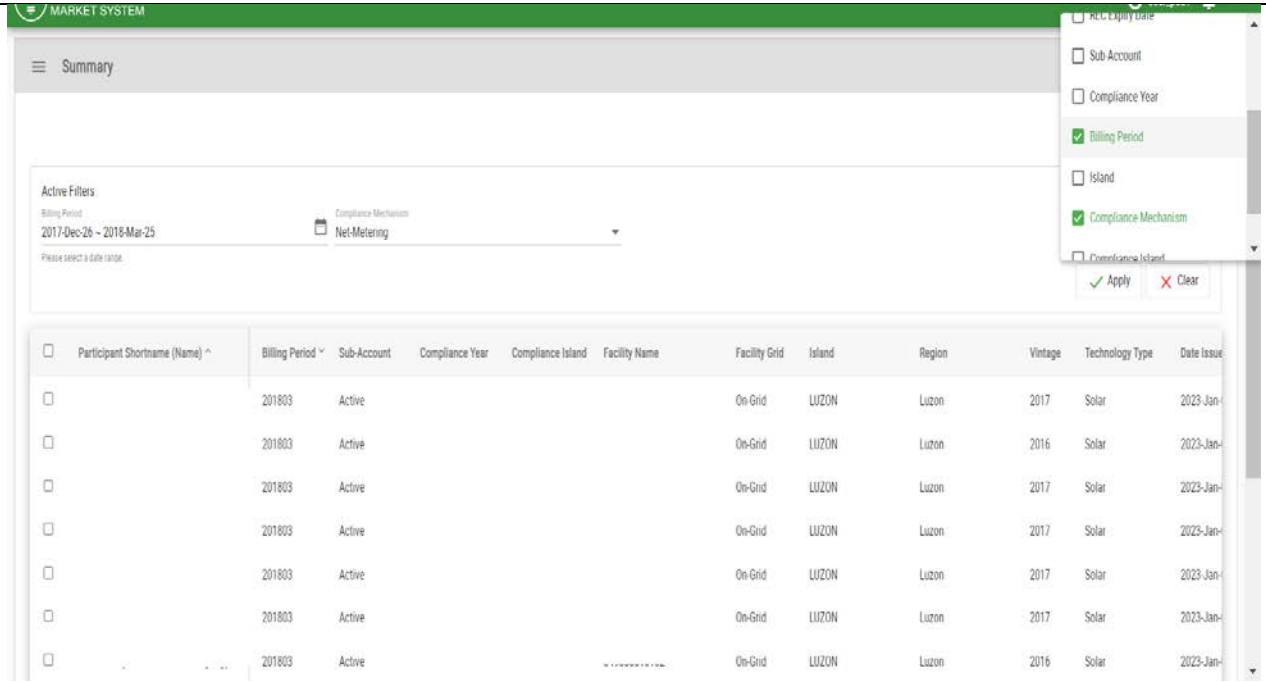
1. Prepare the hourly metered quantity data submitted in the PREMS. Note that only metered quantities with “CONFIRMED” status in the PREMS are processed for REC computation.
2. Determine the hourly eligible MQ of the Partially Eligible Facility
   *Formula: Hourly Eligible MQ = Max (0, Hourly Total MQ * Eligible Capacity/Registered Capacity*
3. Get the monthly eligible MQ by adding the hourly eligible MQ
4. Get the total number of REC (i.e. 1 MWh= 1 REC) for the quarter
5. Get the sum of the quarterly carry-over value per facility and add it in the MQ of the first month in the next quarter. Note the following for the carry-overs:
   i. When there is no generation in the first month of the next quarter, the carry-over value should be added in the next month with generation and compute the equivalent RECs thereof (*see sample in Table 3 below*).
   ii. Make sure to always check the carry-over value. If the facility has no carry-over from the last quarter, check if it has a carry-over from the other previous quarters.
6. Refer to Table 6 for the Sample Computation

Table 6: Sample Computation – Partially Eligible Facility

Quarter	Date & Hour	Hourly MQ (MWh)	Eligible MQ (MWh)	REC
Q1	2017-Dec-26 01:00:00	30	20.00	
	2017-Dec-26 02:00:00	30	20.00	
	Total (Q1)	60	40	40
Q2	2018-Mar-26 01:00:00	30	20.00	
	2018-Mar-26 02:00:00	30	20.00	
	Total (Q2)	60	40	40
Q3	2018-June-26 01:00:00	30	20.00	
	2018-June-26 02:00:00	30	20.00	
	Total (Q3)	60	40	40
Q4	2018-Sep-26 01:00:00	30	20.00	
	2018-Sep-26 02:00:00	30	20.00	
	Total (Q4)	60	40	40
Total RECs for the year				120

C. How to Check the Issued RECs from Voluntary Generators in the PREMS

Step	Screenshot
1. Open PREMS account at https://online.prems.pemc.ph/#/	
2. On the main page, click the **Active Sub account.**	

Step	Screenshot
3. It will direct you to the **Summary Page**. Under the summary page, select **FILTER by COMPLIANCE MECHANISM.** Choose the applicable compliance mechanism, as follows: • **Net- Metering** • **RE for Own use** • **Others for Non-WESM Embedded RE Generation** You may also use other filter option like billing period should you wish to check the number of issued RECs per quarter. Click **APPLY.** The list of RECs issued based on the applied filter will then show up.	

Step	Screenshot
4. Scroll down to determine the total number of RECs for the year, as shown in the **bottom left of the page *(example: 722 RECs in 2018 for Net-Metering Facilities)*** • Filter another Compliance Mechanism if you have RE for Own Use or Non-WESM RE Generator facility 5. Compare the PREMS issued RECs versus the manual computation results.