Typical FAQs

-What is a REC?

-Who Are You?

-Why Do I Need You?

-What Are Your Fees?

-How Do I Get Paid?

-When Do I Get Paid?

-Who pays the Client (YOU)?

-What Is a REC Meter?

-What Is This PSA?

-How Often Do I Report?

REC Info

Presented by:

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Paul Button

What Is A REC?

Renewable Energy Certificates **(RECs)** are created from every Megawatt-hour of electricity produced by a solar generator. A 10 kW system produces about 12 REC's a year. RECs are sold separately from electricity and are created regardless whether the electricity is used on site or sold elsewhere

Who Are You?

I am an Independent <mark>Monitor</mark>, certified by the NH Public Utilities Commission and required by RSA 362, a State law

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Independent REC Verifier/Monitor (Certified by the NH PUC)

https://www.energy-audits-unltd.com

I DO NOT SELL RECs   I only report them

I DO NOT WRITE CHECKS   Brokers do

Email is my preferred method because the reports and contracts have created/modified dates in the metadata of the file for audit trail purposes

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Why Do I Need YOU?

The State of New Hampshire <u>requires</u> (**RSA:362**) that you have a Third Party Independent Monitor / Verifier to submit your production to the National Database (**NEPOOL / GIS**)

I verify and confirm your production and then record and report that production to **GIS**

I do not sell RECs, your broker does

I do <u>NOT</u> work for your Broker

What Are Your Fees?

Contract fees are based on the **DC size** of your array(s) **not** on the number of **RECs** they will produce

Pooling the sites gives your broker visibility and leverage

What Are Your <mark>Annual</mark> Fees?

DC kW	ANNUAL Fee
LT 5 K	$7.00
5 K	$12
9.9 K	
10 K	$25
29.9 K	
30 K	$38
49.9 K	
50 K	$55
69.9 K	
70 K	$70
99.9 K	
100 K	$85
149.9 K	
150 K	$100
199.9 K	
200 K	$200
299.9 K	
300 K	$300
499.9 K	
500 K+	$500

The <u>smallest</u> system that makes sense is a <u>5 kW</u> array

Small systems produce small amounts very slowly...

My <mark>ANNUAL</mark> Fee is a <mark>FLAT</mark> fee

I invoice you upon <u>receipt</u> of the contract (PSA) from you

and on the <mark>ANNUAL</mark> Birthday of our contract

How Do I Get Paid?

Since individual solar owners do not produce enough RECs to sell directly to buyers, an intermediary must exist. A REC **BROKER** is the link that connects buyers and sellers. The broker is paid a commission on the sale of the RECs

Aggregate pools of smaller producers create visibility for them at the auction where the utilities **have** to buy RECs

The Independent REC Monitor **(IM)** uploads the RECs to the national database (**GIS**)**. IM**s **DO NOT sell the RECs** and do **NOT** work for the broker. **IM**s have sole authority to upload RECs

How Do I Get Paid?

Here is a quick overview of the process:

➢ The array is installed

➢ The Owner finds a Broker and signs up with that firm

➢ The Owner requires (per State Law) an Independent Monitor (IM)

   ➢ **UNLESS** the array is **SELF-REPORTING** (software installed w/ the array)

➢ The Owner reports KWHR production from the array

   ➢ Or the array reports itself and my services are NOT required

➢ The IM verifies and uploads the production to the **GIS** national database

➢ These become RECs

➢ The Broker sells the RECs and sends the proceeds to the Owner

➢ **IMs DO <u>NOT SELL RECs,</u> Brokers Sell RECs.**

When Do I Get Paid?

The National rules state that <mark>any REC created in one quarter</mark> must sit,

<u>untouched</u>, for the **<u>entirety</u>** of the following quarter.

EX: A **Q1** REC (Jan-Mar) will sit on the auction block until the end of **<u>Q2</u>**

<u>plus</u> two weeks.

<u>Q1</u> RECs (Jan-Mar)   are **sold** on   **<u>JUL</u> 15**
<u>Q2</u> RECs (Apr- Jun)   are **sold** on   **<u>OCT</u> 15**
<u>Q3</u> RECs (Jul- Sep)   are **sold** on   **<u>JAN</u> 15** (of the
<u>following</u> year)
<u>Q4</u> RECs (Oct-Dec)   are **sold** on   **<u>APR</u> 15**

When Do I Get Paid?

The process is NOT instantaneous

1. The states have their own processes to validate the site as suitable for generating RECs

2. The Installer or Broker submits the required documents to appropriate state

3. A Broker can assign a Valid NEPOOL/GIS Account Number. The NEPOOL/GIS account number and the ZIPCODE of the array are your credentials to report your readings

4. I assign a "**tempxxx**" number. **BUT**, I can only report when a **VALID** number is put onto my national list. . This is usually the MAJOR delay in being able to report solar production (RECs), but your **temp** number will let me track your monthly meter readings.

<div align="center">

This **GIS xxxxxx** number is the one that IMs report RECs to
I CAN'T REPORT YOUR PRODUCTION TO MY TEMP NUMBER

</div>

When Do I Get Paid?

Electricity suppliers **must** buy RECs to meet the **RPS** (Renewable Portfolio Standard) requirement adopted by many states. There is no floor or ceiling to the pricing of the RECs, it is a supply and demand market where the supply is filled by **YOU**, the generators and the demand is set by the State

Most brokers sell RECs on a **Quarterly Basis**. Once the first check comes from your Broker, there will be a check every quarter following.

➡️ **IF YOU REPORT** ⬅️

What Is a REC Meter?

The **REC** meter is **NOT** the utility's **NET** meter

It is a totally DIFFERENT meter **or** it may be part of production monitoring software installed with your array

You MUST understand your NEED to report

I CAN'T REPORT WHAT I DON'T KNOW

What Is a REC Meter?

LOOK FOR A LABEL LIKE THIS
IT COULD SAY SOMETHING
DIFFERENT LIKE:

SOLAR PRODUCTION METER
or AC PRODUCTION METER

OR

It could be from the web-based
Reporting Software App.

Read the email or report that you
get and report those numbers to
the IM. Most apps display

"LIFETIME or TOTAL PRODUCTION"

THAT is the number that is the equivalent
to a meter reading

How do I put my production into the system?

Your production is tracked by MONTHLY reporting of the **REC METER** reading to the IM's website

https://energy-audits-unltd.com/meter-reading/

OR

From the report of your web-based software program. Look for the tab that displays "**LIFETIME**" or "**TOTAL**" PRODUCTION

You then report that number to the IM's website

Monthly generations do **not** work with my algorithms.

NB: If you have a **qualifying self-reporting** software package that can report **DIRECTLY** to GIS, then **you don't need me**
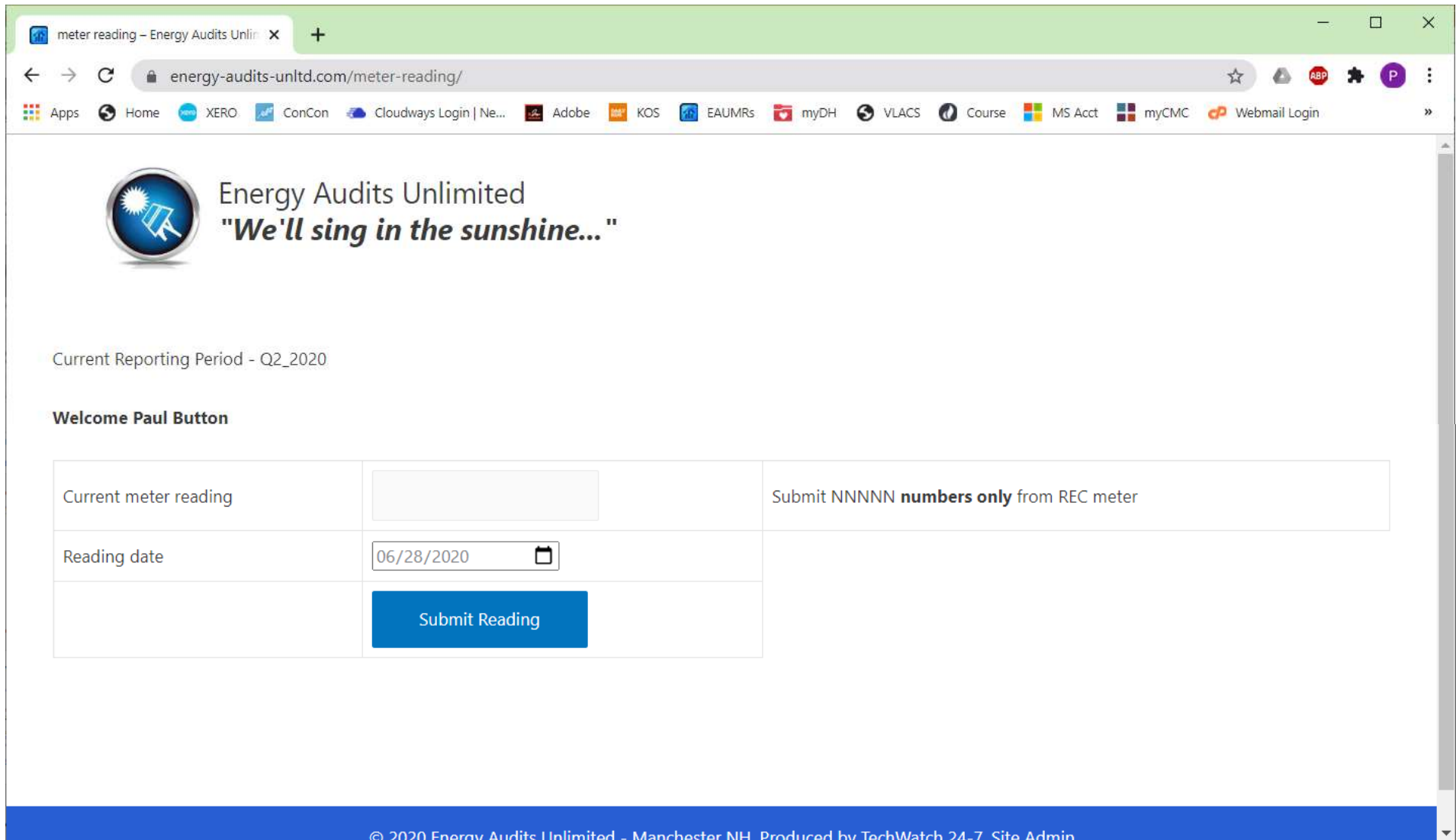
How do I put my production into the system?

Type in your NEPOOL/GIS ID
and the Zip Code (of the array)
Check the "I'm not a robot" (use Landscape on smaller devices)
and then Click Login

How do I put my production into the system?

Type In the Current Reading and then Click Submit Reading

What Is This *PSA*?

It is a **P**rofessional **S**ervices **A**greement

Telling you what I will do
and how much my **ANNUAL** fee is.
My fee is based on the **DC kW SIZE** of the array

How Often Do I Report?

YOU REPORT MONTHLY

I send monthly email reminders with your login info which will be your:

NEPOOL/GIS: **xxxxxx Acct #**
ZIP CODE: **(of the Array)**

I generate a **quarterly** report of your **SUBMITTED** Power generation which I upload to NEPOOL-GIS
These become RECs

It aligns with the **quarterly** auctions of the RECs (see pg 9)