



# WEBINAR SERIES: INTRODUCTION TO 24/7 HOURLY MATCHING

**Hosted by:**

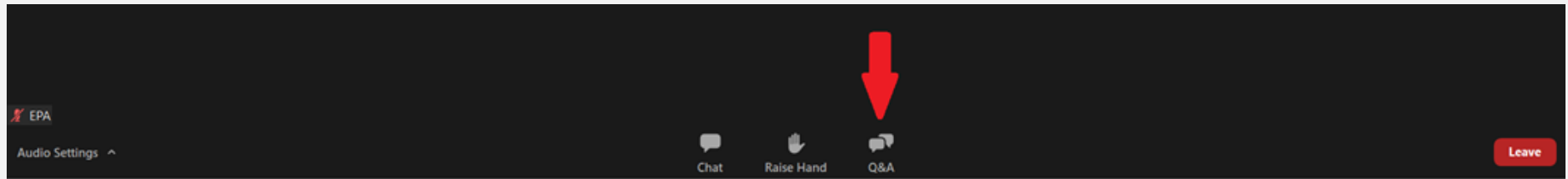
**EPA's Green Power Partnership**

**September 15, 2021 2:00-3:30pm ET**



# Webinar Logistics

Submit a question via the Q&A pane on your Zoom control panel. Questions will be answered during the Q&A session at the end of the event.



Please complete the survey at the end of today's webinar. Your feedback is important to us!

For technical questions about the Zoom platform during the event, please email [Olivia.Newport@erg.com](mailto:Olivia.Newport@erg.com)



# Poll Questions

## 1. How familiar are you with the topic of 24/7 hourly matching?

- Very familiar
- Somewhat familiar
- Neither familiar or unfamiliar
- Somewhat unfamiliar
- Very unfamiliar

## 2. What best describes your role as it applies to renewable electricity?

- Consumer/Buyer
- Utility/Load Serving Entity
- Renewable Electricity Supplier
- RE Project Developer
- Regulator/Government Agency
- Non-governmental organization
- Trade association
- Other





# Panelists



Toby Ferenczi  
Founder  
EnergyTag



Ben Gerber  
President and CEO,  
Midwest Renewable Tracking System



Todd Jones  
Director of Policy  
Center for Resource Solutions

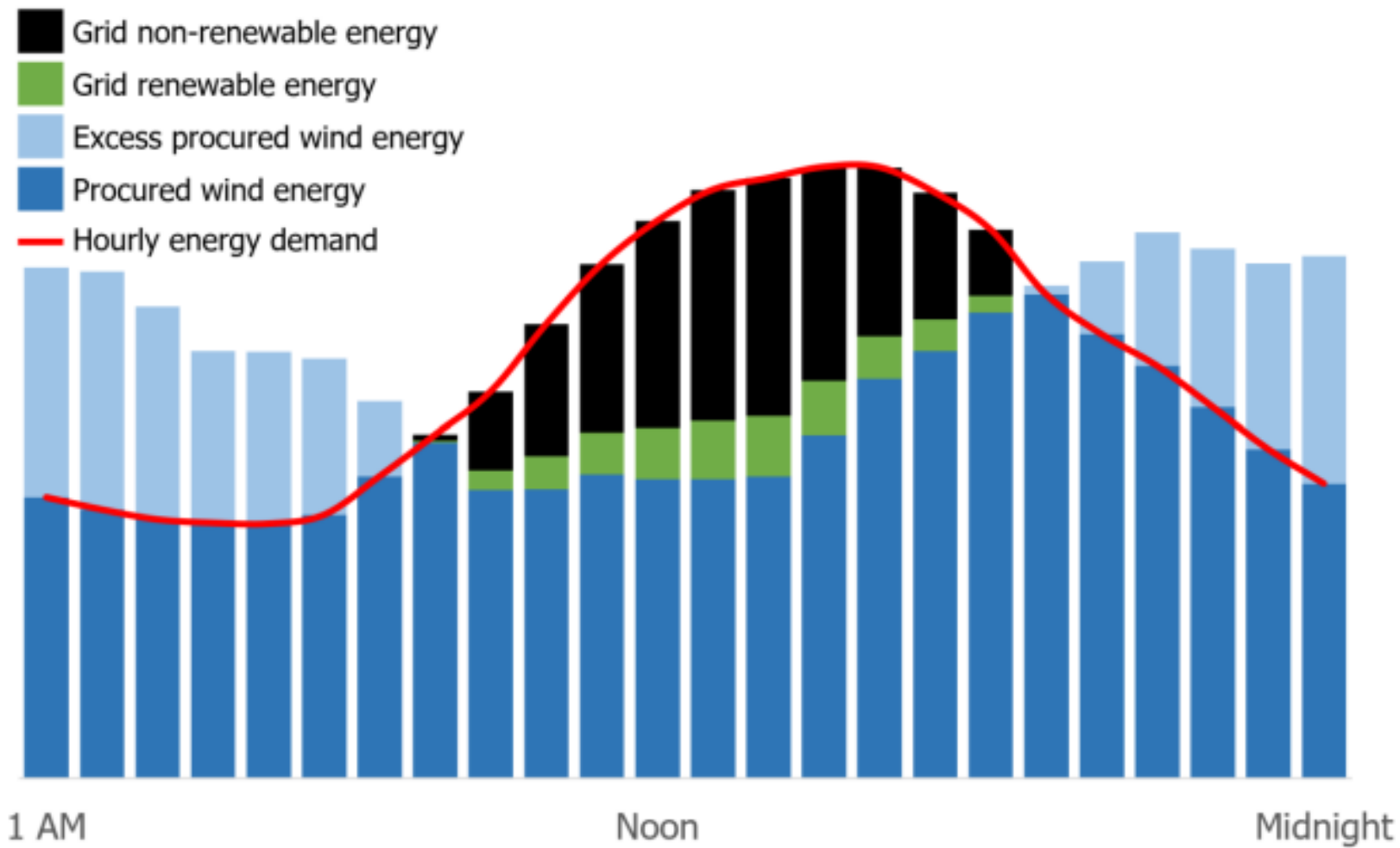


Greg Miller  
Energy Systems PhD Candidate  
UC Davis

# Panel Topic #1

**How would you describe 24/7 hourly matching?**





*Figure 2. A hypothetical day of hourly-matched renewables. The company's procured wind energy is 100% volumetrically-matched to their demand, but only 80% matched on an hourly basis since the wind production profile does not match the demand profile of their building.*

Source: Miller, Gregory. Beyond 100% renewable: Policy and practical pathways to 24/7 renewable energy procurement

24/7 provides you more granularity or higher resolution into the renewable electricity you use





## Panel Topic #2

**What will be needed to realize 24/7 hourly matching as a common practice?**



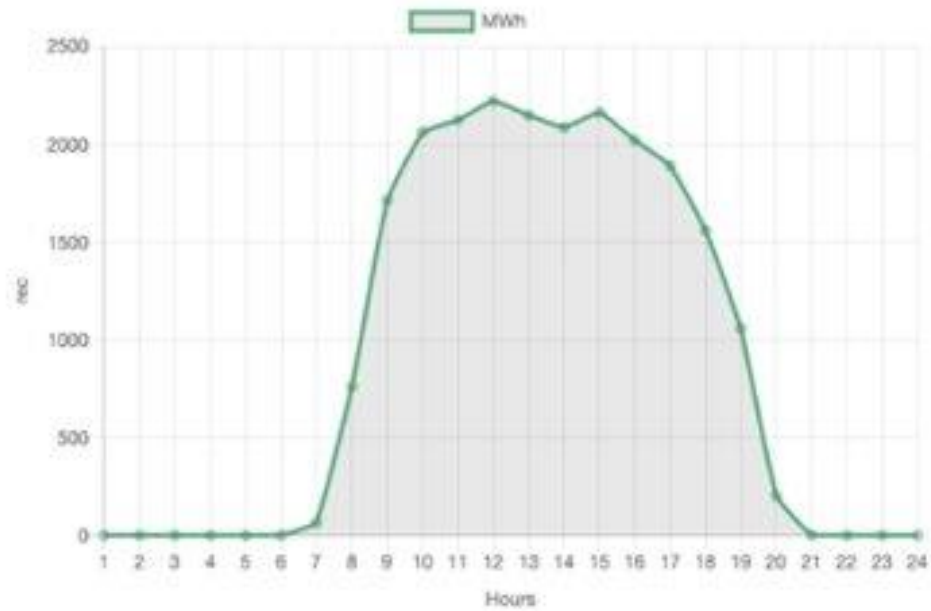
## Generation Profile

M11115 - STRONG SOLAR - 04/2020

Eastern Standard Time (UTC -5)

Visualization

Data



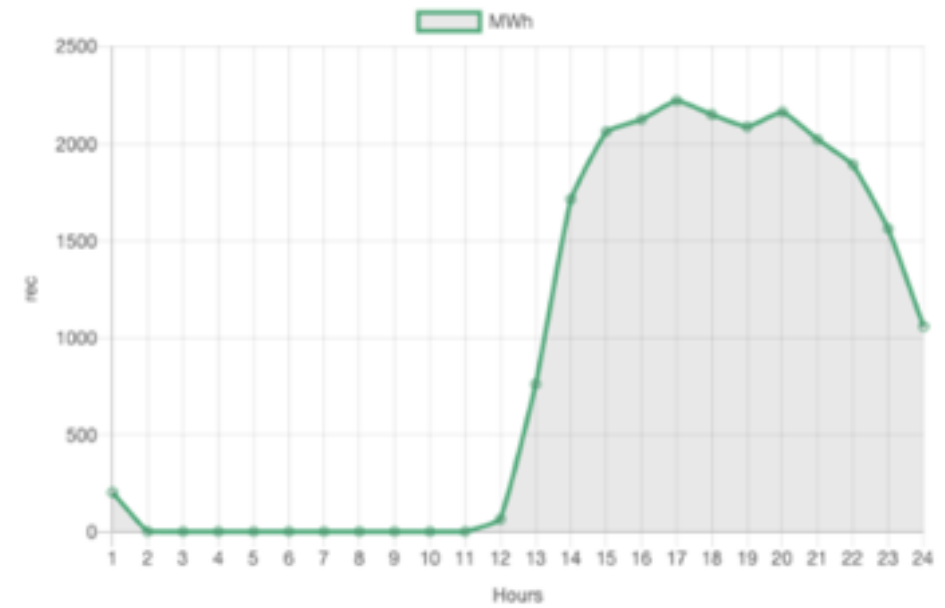
## Generation Profile

M11115 - STRONG SOLAR - 04/2020

UTC

Visualization

Data



## **Panel Topic #3**

**What role do you see energy attribute instruments (e.g., RECs) playing in 24/7 hourly matching?**


## Panel Topic #4

**How do you see 24/7 shaping corporate GHG accounting or interfacing with established regulatory frameworks?**



## Panel Topic #5

**What do we know about the market effect that 24/7 hourly matching will have on the market?**



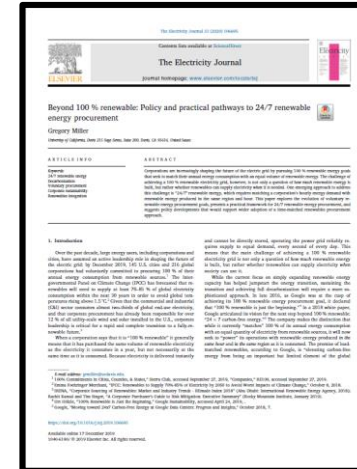
# Audience Question & Answer Session

# Resources



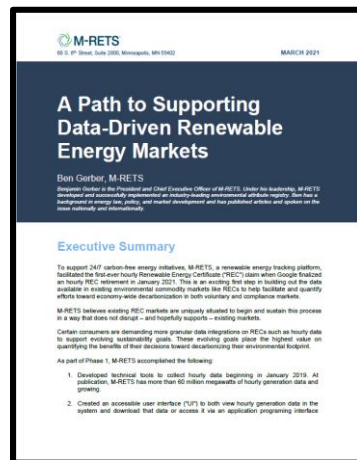
White paper that describes the history of existing certificate and accounting frameworks, the potential benefits of moving towards increased temporal granularity and a range of best practice principles for hourly matching.

<https://www.energytag.org/#white>



Journal article presents a framework for 24/7 renewable energy procurement and proposes policy developments that would support a wider adoption of a time-matched renewables procurement approach.

<https://www.sciencedirect.com/science/article/pii/S1040619019303008>



Document describes tracking system approach for building out hourly data to facilitate and quantify economy-wide decarbonization in both voluntary and compliance markets

<https://www.mrets.org/wp-content/uploads/2021/02/A-Path-to-Supporting-Data-Driven-Renewable-Energy-Markets-March-2021.pdf>



Document illustrates a framework for hourly renewable energy certificates (RECs).

<https://resource-solutions.org/document/121420/>

# Upcoming Events

## **EPA 24/7 Hourly Matching Webinar Series: *The Corporate Experience***

*September 22nd from 1-2pm ET*

- Maud Texier, Google
- Chris Pennington, Iron Mountain
- Series Registration: <https://bit.ly/3B4EAb4>

## **2021 Renewable Energy Markets (REM) Conference**

*September 27-30th*

- The REM Conference covers every aspect of renewable energy procurement, community clean energy projects and programs, reporting and accounting, energy storage, renewable fuels, sustainability strategies, federal and state regulation and more
- <https://www.renewableenergymarkets.com/us/home>





A screenshot of the EPA Green Power Partnership website homepage. The page features a blue header with the EPA logo and navigation links for "Environmental Topics", "Laws &amp; Regulations", and "About EPA". A search bar is located on the right. The main content area includes a "Green Power Partnership" title, a "Top Partner lists updated April 27, 2020" announcement, a "What's New" section with links to "May Program Update", "Top Partner Rankings updated April 27, 2020", "New Events and Webinars added", and "Revisions to Partnership Requirements". Below this are three columns of "Key Resources" with sub-sections: "Partnership Overview" (Learn about GPP, Program Successes, Events and Webinars, Program Initiatives), "Become a Partner" (Partnership Benefits, Requirements, Steps to Join, Become a Community), and "Meet Our Partners" (Partner List, National Top 100, Green Power Communities, Award Winners). A fourth "Key Resources" section lists "Partnership Agreement", "Partnership Requirements", "Project Development Toolbox", and "Guide to Purchasing Green Power".

For more information, visit

[www.epa.gov/greenpower](http://www.epa.gov/greenpower)