



UTILITY-SCALE RENEWABLE ENERGY PROCUREMENT ANALYSIS TOOL

NATIONAL RENEWABLE ENERGY LAB (NREL)

EPA's Green Power Partnership

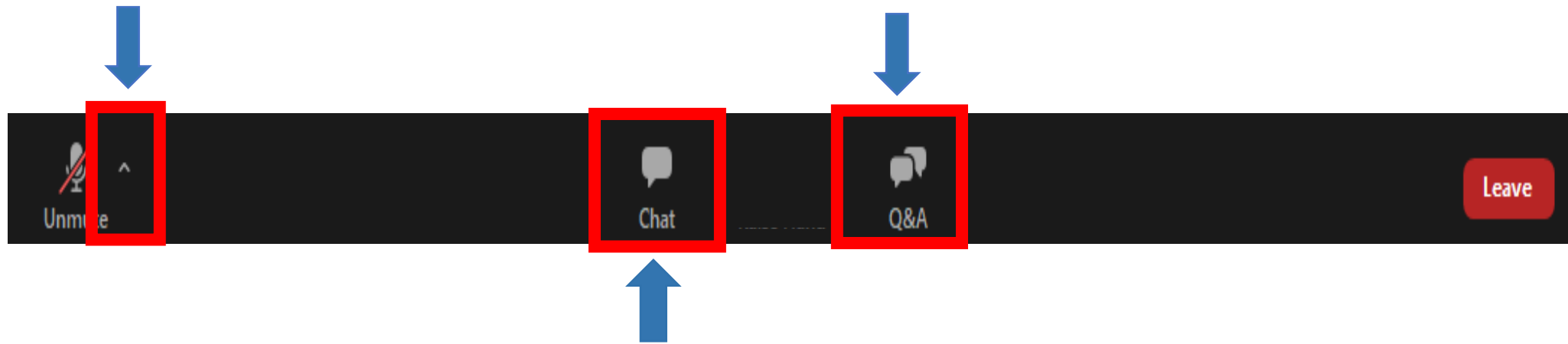
November 9, 2022

Webinar Logistics

Audio is available your computer's microphone and speakers or by telephone. Select "Switch to Phone Audio".

Webinar ID: 161 587 5946

Q&A Box: Questions and Comments for Presenters / Technical Difficulties



Chat Box: Resources from Presenters

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Speakers and Agenda

Speakers:

- Christopher Kent, Program Manager, U.S. EPA's Green Power Partnership
- Sushmita Jena, Renewable Energy Researcher, NREL
- Jeff Cook, Acting Solar Analysis Subprogram Manager, NREL

Agenda:

- Green Power Partnership (GPP) Overview
- Demonstration of NREL's Procurement Analysis Tool
- Questions & Answers Session

What is the Green Power Partnership

- EPA's Green Power Partnership is a free, voluntary program that encourages organizations to use green power to reduce the environmental impacts associated with conventional electricity use
- Specifically offers:
 - Recognition platform to help to promote and publicize organizations' green power use
 - Networking with other organizations
 - Technical assistance and access to resources



Partnership Requirements

- Partners agree to procure green power and provide an annual update.
- Use eligible green power as defined in the Partnership Requirements, including:
 - Sourced from U.S.-based generation sources
 - Sourced from generation facilities built or re-powered within the last 15 years

	Partnership Benchmark
If your annual electricity use is:	You must, at minimum, use this much green power:
Over 100,000,000 kWh	7% of your use
10,000,001 - 100,000,000 kWh	10% of your use
1,000,001 - 10,000,000 kWh	25% of your use
100,000 - 1,000,000 kWh	50% of your use

Who are Green Power Partners





Green Power Supply Options

Retail Options

Retail (Unbundled) RECs

Utility Products

Competitive Supplier Products

Community Choice
Aggregations

Project Specific

Self- Supply

Physical PPAs

Shared Renewables

Utility Green Tariffs

Financial Contracts (vPPAs)

Green Power Supply Options

Green Power Supply Options Comparison Tab

The table below summarizes the differing characteristics of green power supply options.

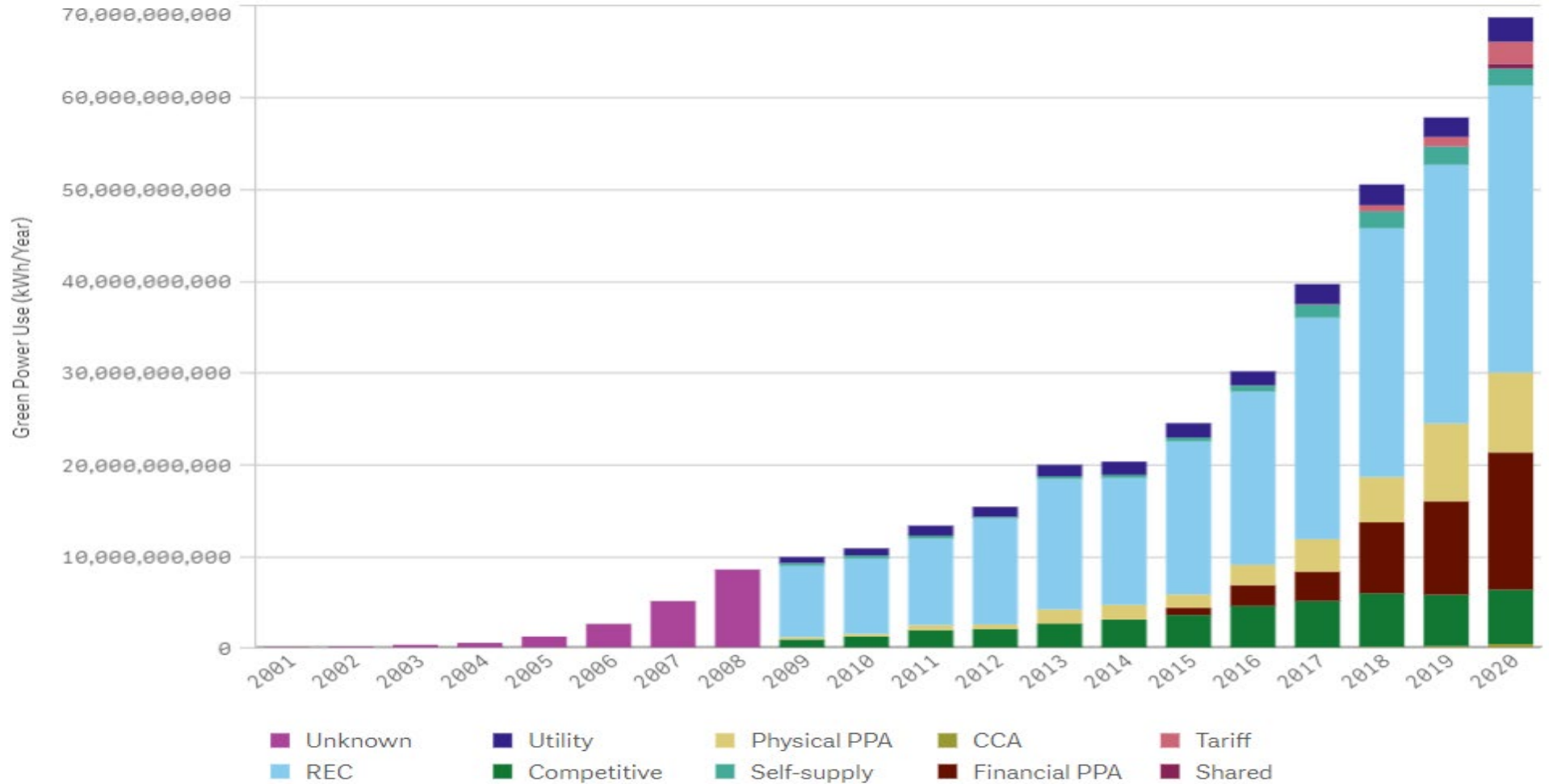
		Characteristics							Supply Option Includes			
		Simple/Fast Transaction	Cost Savings/Price Hedge	Requires Long-term Commitment	RE Generators Located Onsite	Supports Regional RE Deployment	Direct Impact on New Supply	Supply Option Availability	Reduces Carbon Footprint*	RECs	Commodity Electricity	Generating Asset
Retail Supply Options	Unbundled RECs	●	○	○	○	○	○	●	●	●	○	○
	Competitive Green Power	●	○	○	○	○	○	○	●	●	●	○
	Utility Green Power	●	○	○	○	○	○	○	●	●	●	○
	Community Choice Aggregation	●	●	○	○	○	○	○	○	○	●	○
Project Specific Supply Options	Self-Supply	○	●	●	●	●	●	●	●	●	●	●
	Shared Renewables	●	●	○	○	●	●	○	○	○	○	○
	Utility Green Tariff	○	●	●	○	●	●	○	●	●	●	○
	Physical PPA	○	●	●	○	●	●	○	●	●	●	○
	Financial PPA	○	●	●	○	○	●	○	●	●	○	○

*Dependent on REC ownership



Partner Green Power Use by Supply Option

Green Power Use by Supply Option by Collection Year



[Download Supply Option Summary](#)

Questions?

- Christopher Kent, EPA,
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- Sushmita Jena, NREL,
Sushmita.Jena@nrel.gov
- Jeff Cook, NREL
Jeff.Cook@nrel.gov

Resources:

About the Green Power Partnership

- <https://www.epa.gov/greenpower/about-green-power-partnership>



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 & Regulations", and "About EPA". A search bar is located on the right side of the header. The main content area is titled "Green Power Partnership" and includes 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, there 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 column titled "Key Resources" contains links for "Partnership Agreement", "Partnership Requirements", "Project Development Toolbox", and "Guide to Purchasing Green Power".

For more information, visit

www.epa.gov/greenpower