



Program Overview

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What is the Green Power Partnership

- The U.S. EPA's Green Power Partnership is a **voluntary** program that encourages organizations to use green power.
- We provide Partners with:
 - Technical assistance and tools on procuring green power.
 - A recognition platform for organizations using green power.



Who are Green Power Partners

700 Partners

100 Green Power Communities

+70 billion kWh used
annually

The equivalent electricity use of
6.6 million average American homes

Partnership accounts for
43% of Voluntary Market

2%
of total US annual retail sales



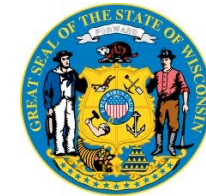
CAL POLY



JPMORGAN CHASE & CO.



FIFTH THIRD BANK



KOHLER



Bloomberg



GENERAL MOTORS



Green Power Partnership Partners



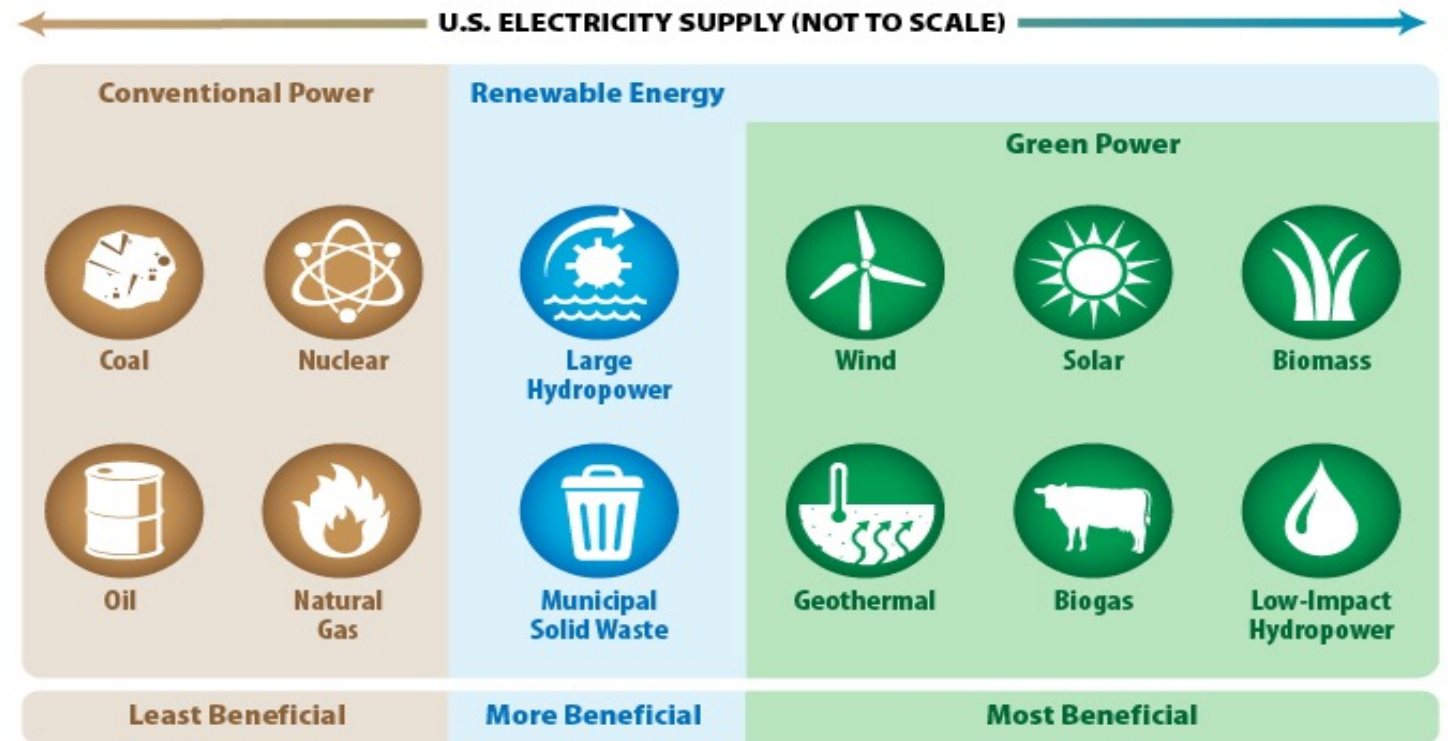


Agenda

- **IMPORTANCE** **Why Green Power ?**
- MOTIVATIONS Why purchase?
- PARTNERSHIP How do I become a Partner?
- SUPPORT Who can help?

What is Green Power?

- **Green power** is a subset of renewable electricity and represents those renewable energy resources and technologies that provide the highest environmental benefit.
 - Meets national standards for product quality and content
 - Green Power is specific to the “voluntary market” and is driven by consumer preference rather than by policy mandate
 - Is generation that is incremental to what is required by mandate
- **Renewable Electricity** is a broader category and includes some resources and technologies that have significant impact on the environment.

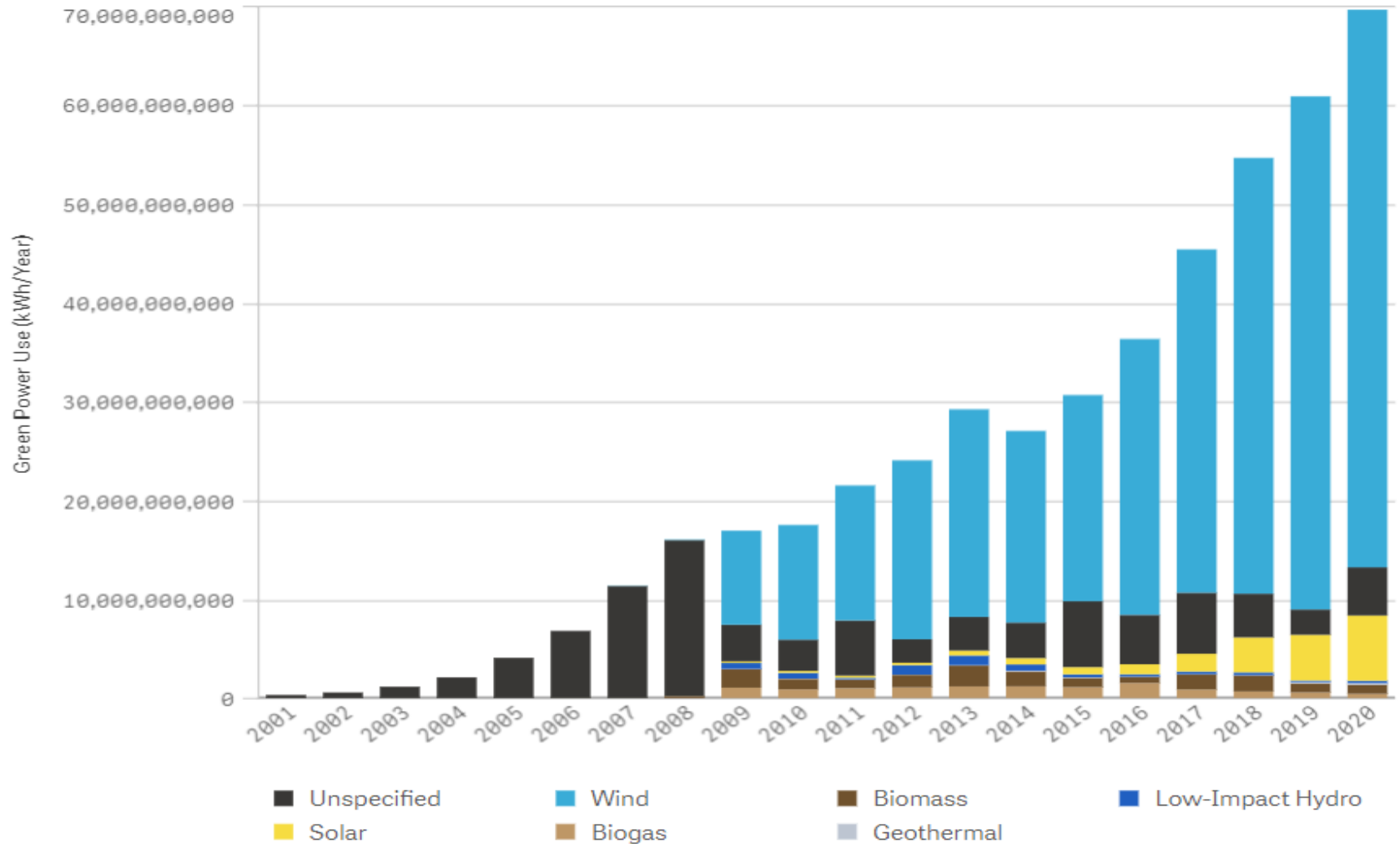


Is This Green Power ?



GPP Partner Renewable Resources

Green Power Use by Renewable Resource by Collection Year



Agenda

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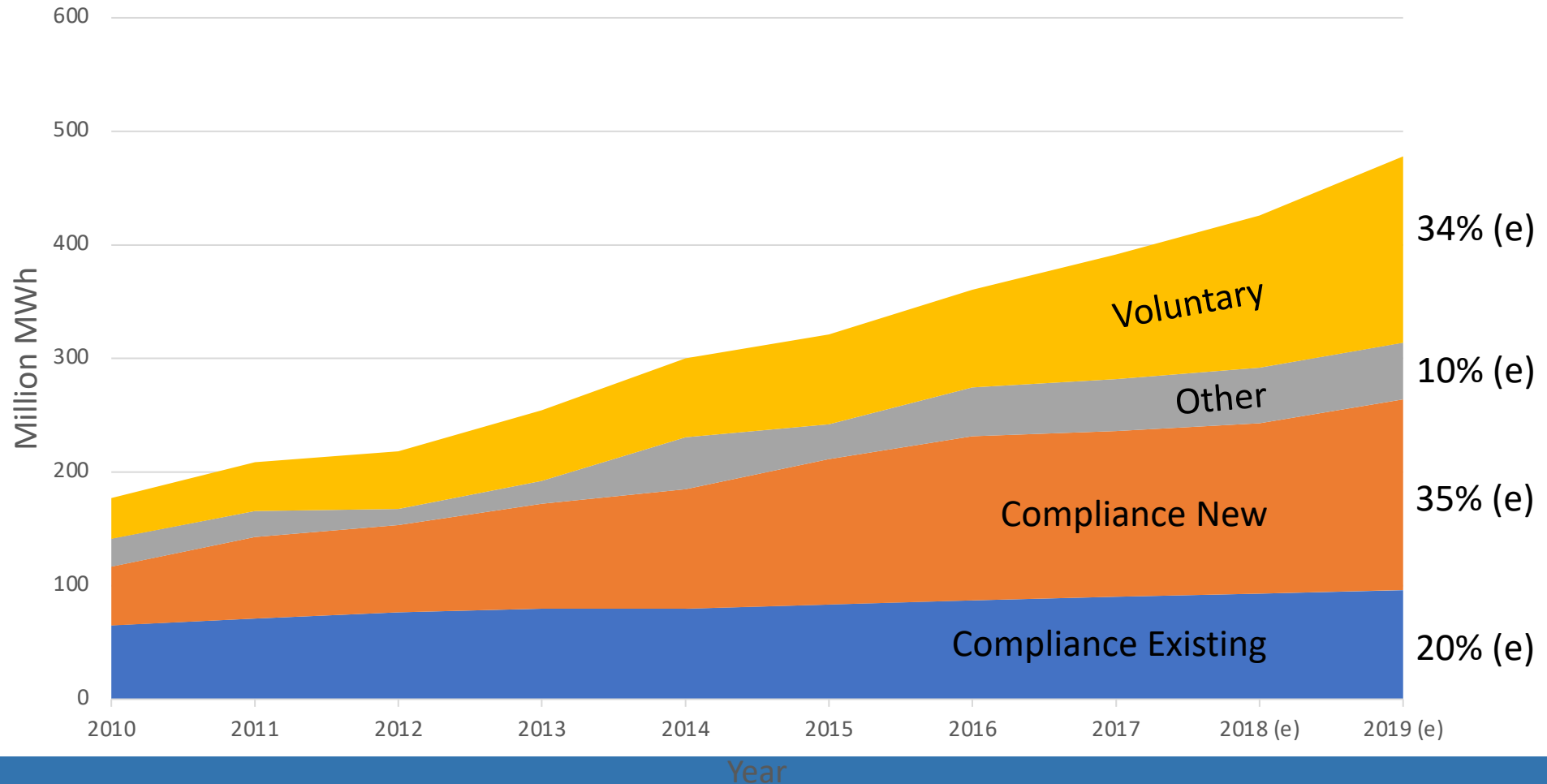
Voluntary Green Power Use: To Make A Difference

- Making the simple choice for how your power is generated
- Ensuring your purchase goes above and beyond what is otherwise available or mandated (incremental or surplus to)
- Buy third-party certified green power when possible
- Commit to long-term contracts
- Directly engage with new projects (economic benefits)
- Substantiate your use and claims through REC ownership

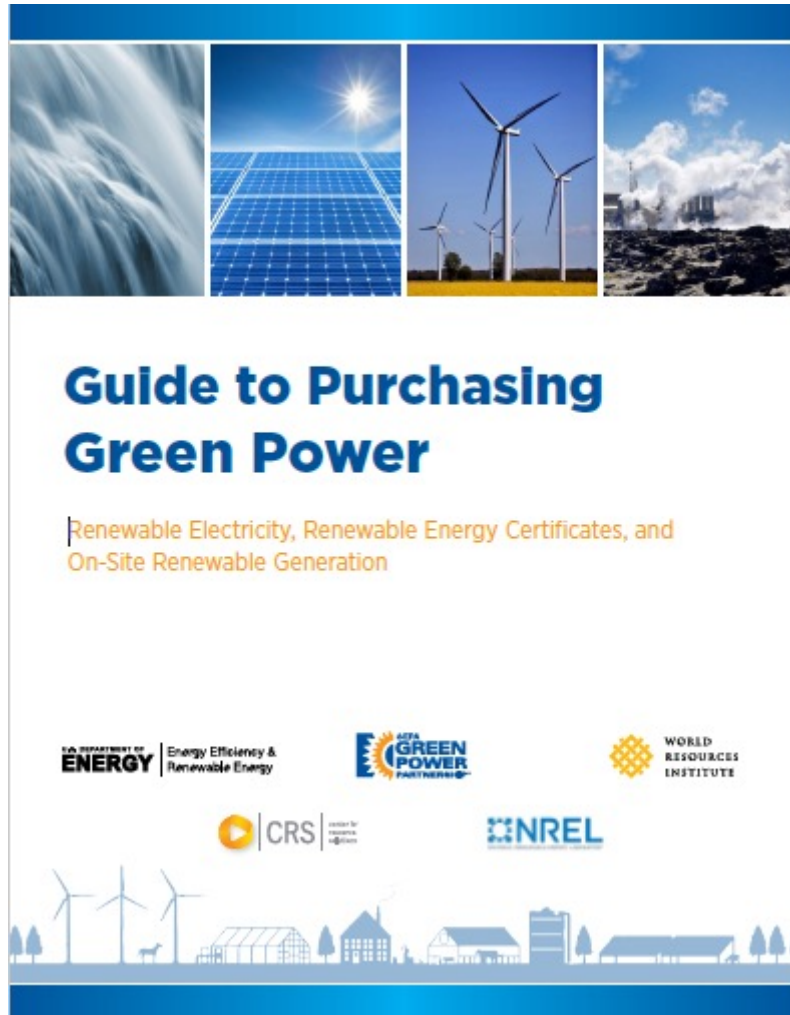


Retail Electricity Sales

Voluntary Green Power Is An Important Market Driver



Resources: Getting Started



Guide To Purchasing Green Power

- Great place to start if you have never purchased green power before
- Authors include EPA, DOE, World Resources Institute, Center for Resource Solutions and NREL
- <https://www.epa.gov/greenpower/guide-purchasing-green-power>

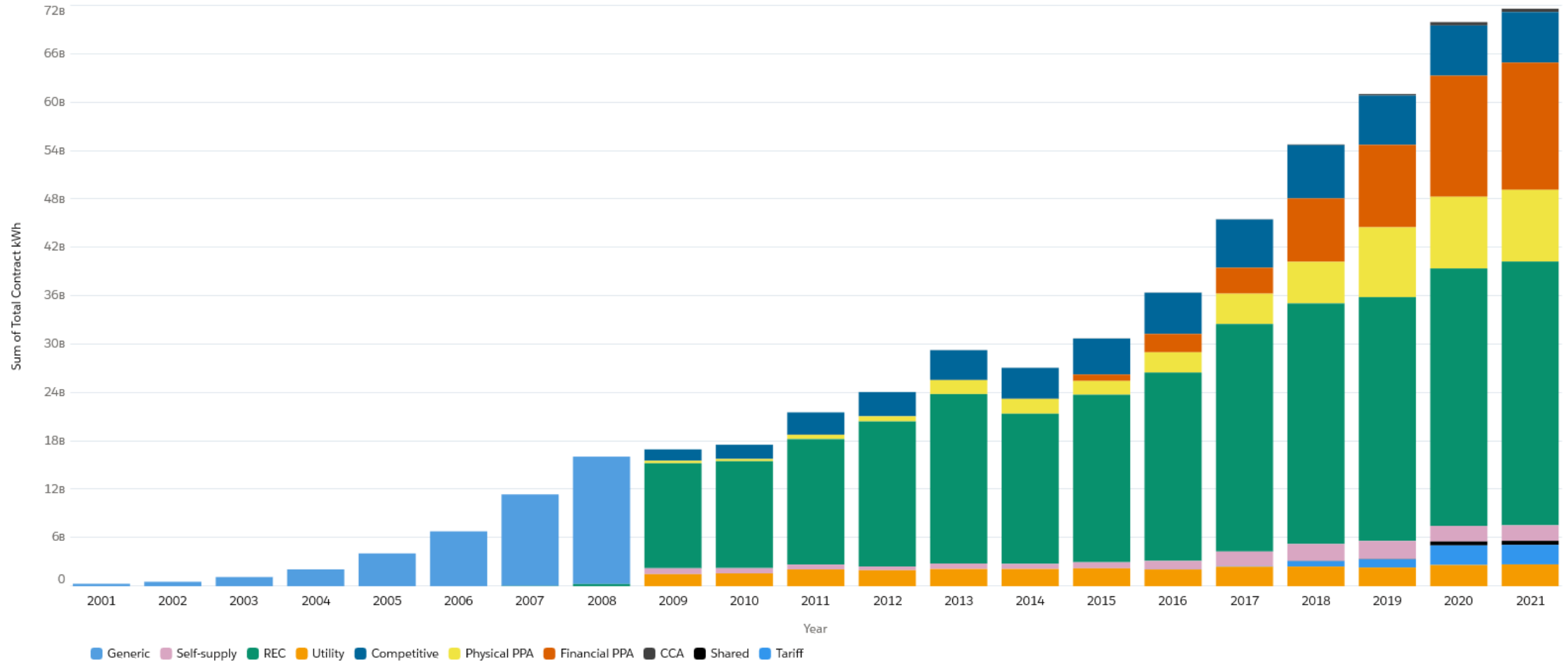
Green Power Supply Options

Retail Options	Retail (Unbundled) RECs
	Utility Products or Programs
	Community Choice Aggregation
Project Specific Options	Self-Supply
	Physical PPAs
	Shared Renewables
	Utility Green Tariffs
	Financial Contracts

Consumer Access to Green Power

Green Power Supply Option	Number of States with Green Power Access	Total Green Power Access by Option		Total Green Power Access Compared to Total US Electricity Data	
		Customers* (Million)	Electricity Sales (Billions of kWh)	Percent of Customers*	Percent of Electricity Sales
Utility Green Pricing Programs	37	58.3	1097	43.0%	35.0%
Competitive Green Power Marketing Products	19	45.2	1017	33.0%	32.2%
Community Choice Aggregation	7	3.3	9	2.4%	0.3%
Physical Power Purchase Agreements	27	21.8	659	15.9%	20.9%
Financial Power Purchase Agreements	50	0.21	756	0.2%	23.9%
Renewable Energy (Green) Tariffs	16	3.2	76	2.4%	2.4%
Community Solar/Shared Renewables	17	54.3	270	40.0%	8.6%
On-site Generation	48 ¹	33.7	570	24.7%	18.1%
Retail (Unbundled) RECs ²	50	All	All	100%	100%

GPP: Green Power Use by Supply Option



You are only using

RENEWABLE

ELECTRICITY

when you have both a

REC and

ELECTRICITY

How Do Recs Work?

- RECs work much like money
 - Paper currency works because everyone accepts it, and we trust that it is backed by the government
 - Similarly RECs are a currency that works only if it is backed by a shared trust in what the REC represents
- Value is in exclusive ownership
 - If one entity uses the REC to “pay” for a claim, and the REC is also sold to another entity, it is the equivalent of counterfeit money
 - If counterfeit money is in circulation, trust and credibility is lost
- Certification and tracking systems help establish the value of renewable energy and increase consumer confidence in renewable energy

Resources: Green Power Markets Website

Green Power Markets



This website, created by EPA's [Green Power Partnership](#) program, provides tools and resources to understand and engage with green power in the U.S.



Learn



Act



Resources



Market Issues



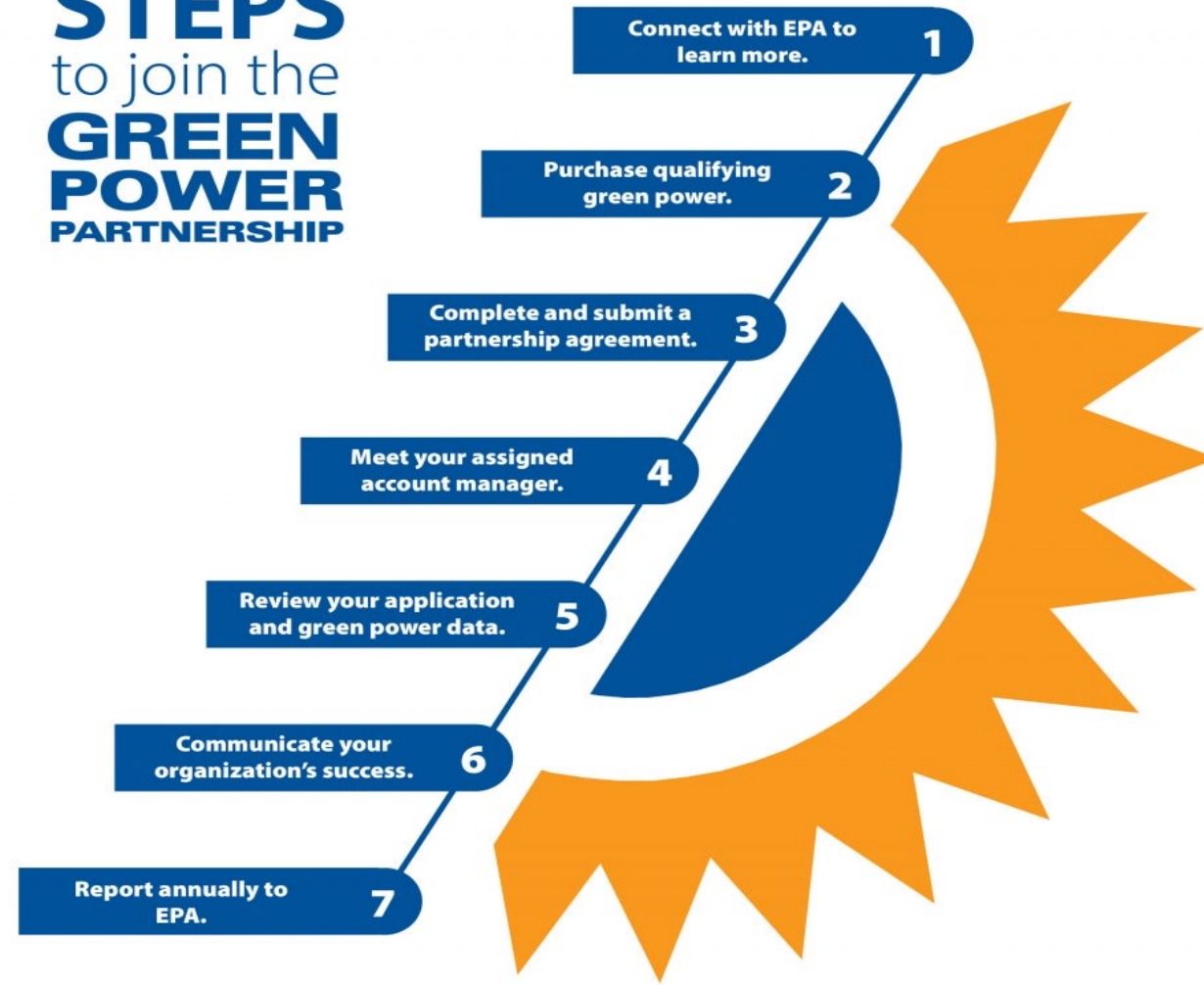
<https://www.epa.gov/green-power-markets>



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How do I Join the Partner ?

STEPS to join the GREEN POWER PARTNERSHIP



Green Power Use: Program Benchmarks

Annual electricity usage	Partnership minimum requirements
<i>If your annual electricity use in kilowatt-hours is ...</i>	<i>You must, at a minimum, use this much green power*:</i>
≥ 100,000,001 kWh	7% of use
10,000,001 – 100,000,000 kWh	10% of use
1,000,001 – 10,000,000 kWh	25% of use
100,000 – 1,000,000 kWh	50% of use

*All green power must be surplus to regulation or what is otherwise available to all ratepayers as part of the grid mix

EPA Green Power Partnership Program Requirements: <https://www.epa.gov/greenpower/requirements-green-power-partnership>

To select a new Partner, first click the Clear button to the right.

Clear

Bimbo Bakeries USA, Inc.

Location

Horsham, PA

Industry

Food & Beverage

Partnership Agreement Signed

9/30/2021

Period of Reported Green Power Use

1/1/2021 - 12/31/2021

Collection Year: Last Data Report

3/19/2022

Sustainability Website

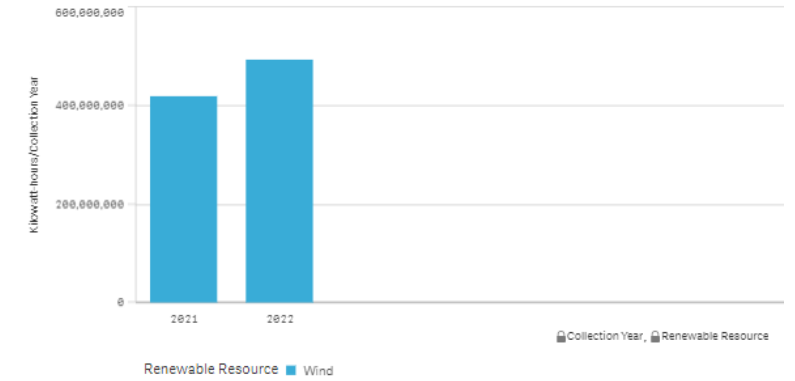
<https://bimbobakeriesusa.com/baked-for-nature>

Profile

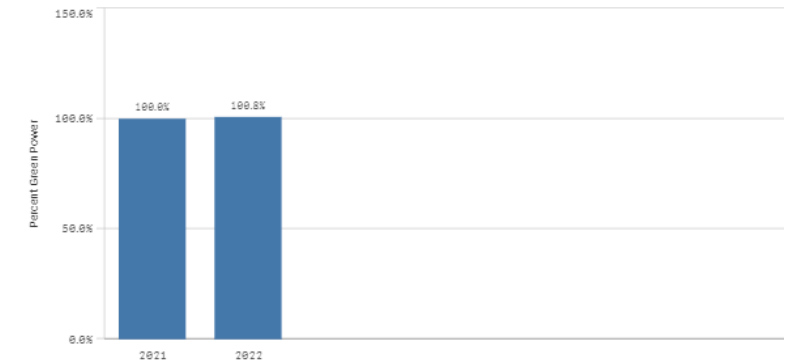
Bimbo Bakeries USA is known for its category leading brands, innovative products, freshness and quality. Its brands include Arnold, Artesano, Bimbo, Brownberry, Entenmann's, Oroweat, Sara Lee and Thomas'. Bimbo Bakeries USA is part of Mexico's Grupo Bimbo, S.A.B de C.V., the world's largest baking company with operations in 33 countries.

At Bimbo Bakeries USA, we live Our Purpose every day – Nourishing a Better World – recognizing our obligation to protect and preserve our planet for generations to come. Through our parent company, Grupo Bimbo, we are RE100 partners and all our U.S. operations are powered with renewable wind energy. We are also committed to achieving Net Zero Carbon emissions by 2050 by strengthening measures to prevent, reduce, or eliminate at least 90% of the carbon emissions in our value chain by leading the way for our value chain to transition to 100% renewable energy, moving to lower carbon logistics and vehicles and implementing energy efficiency strategies across all operations. We currently operate 400+ alternative fueled vehicles, divert 95%+ of our manufacturing waste from landfills and have been recognized as an EPA ENERGY STAR Partner of the Year – Sustained Excellence, for five consecutive years.

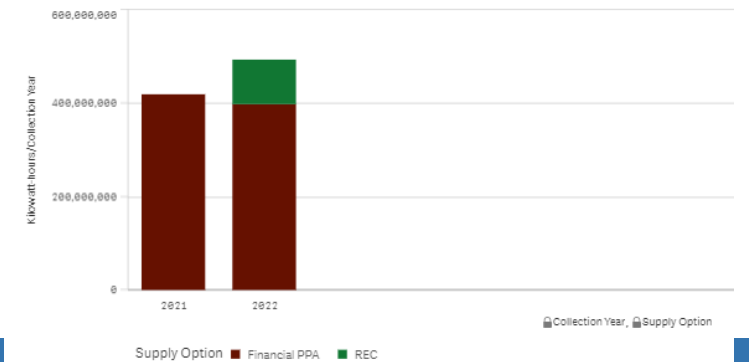
Green Power Use by Renewable Resource



Green Power Percentage of Electricity Use



Green Power Use by Supply Option



Green Power Partnership National Top 100



As of July 28, 2022, the combined annual green power use of EPA's Top 100 Partners amounts to more than 81 billion kilowatt-hours, which is equivalent to the annual electricity use of more than 7.6 million average American homes.

Usage figures are based on annualized Partner contract amounts (kilowatt-hours), not calendar year totals. These rankings are updated on a quarterly schedule. Find out how your organization can [partner with EPA](#) today!

- [\[National Top 100 \]](#)
- [Top 30 Retail](#)
- [Top 30 College & University](#)
- [Top 30 Tech & Telecom](#)
- [Top 30 K-12 Schools](#)
- [100% Green Power Users](#)
- [Top 30 Local Government](#)
- [Fortune 500® Partners List](#)
- [Top 30 On-site Generation](#)
- [Long-term Contracts](#)

Quarter Partner Rankings

Partner Name	Annual Green Power Usage (kWh)	GP % of Total Electricity Use*	Industry	Green Power Resources
1. Google LLC	9,100,267,846	105%	Technology & Telecom	Solar, Wind
2. Microsoft Corporation	8,324,914,969	100%	Technology & Telecom	Various
3. T-Mobile	7,806,076,868	100%	Technology & Telecom	Various
4. The Procter & Gamble Company	2,594,266,946	100%	Consumer Products	Various
5. Walmart Inc.	2,494,817,935	13%	Retail	Various
6. Apple Inc.	2,477,186,342	104%	Technology & Telecom	Biogas, Small-hydro, Solar, Wind
7. Equinix, Inc.	2,458,915,894	100%	Technology & Telecom	Various
8. AT&T	2,360,337,220	18%	Technology & Telecom	Wind
9. PepsiCo	1,711,233,504	100%	Food & Beverage	Solar, Wind
10. Kimberly-Clark Corporation	1,645,259,000	55%	Consumer Products	Solar, Wind

Green Power Leadership Award



GREEN POWER
Leadership Awards

Selection Criteria

Intention and Ambition

Green Power Use

Communication

Influence

Transparency

Innovation, Sustainability, and Grid Improvements



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For more information, visit

www.epa.gov/greenpower