

Together, we generated a lot of renewable energy in 2015:

That's an environmental impact equivalent to:



Solar Power
102,383 MWh



Wind
45,339 MWh



Biogas
56,071 MWh

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Keeping 309 million pounds of CO₂ out of the atmosphere¹



Planting 115,000 acres of trees¹



Not driving a car for 334 million miles¹

2015 Program Participation*:

12,452 Residential Participants

518 Business Participants

*Sales are reported through October 2014 - September 2015.

To learn more about our generation sites and to find the one nearest you, please visit www.greenpowerswitch.com.

What is a REC?

As a participant in Green Power Switch, you are purchasing an amount of RECs (Renewable Energy Certificates) equivalent to a percentage of your electricity usage. Let's learn more:

How does a REC work?

RECs are created when an eligible renewable energy facility generates electricity. One REC is equivalent to 1,000 kWh or one MWh of renewable electricity. RECs allow those who don't generate renewable energy to purchase green power at a low cost. By purchasing a REC, you are purchasing a claim to the environmental attributes of renewable electricity generation without actually consuming the clean electricity itself².

How is your GPS purchase making a difference?

When RECs are sold, more demand is created for renewable energy generation³. As a GPS customer, you are helping generate a market for renewable energy by making it competitive with lower fossil fuel prices. When you purchase RECs, you are also purchasing the benefits created by the RECs - the pollution avoided and the economic benefit to Tennessee Valley communities that house these renewable technologies. The social, economic, and environmental impacts of your participation in GPS are making a difference. Thank you for helping create a cleaner, more sustainable Tennessee Valley region!

¹ <http://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

² <http://www3.epa.gov/greenpower/gpmarket/rec.htm>

³ https://www.youtube.com/watch?v=_12VYXms6-c

Spotlight:

New GPS Team Member

Green Power Switch has gained another great team member! Cue the celebratory music and help us welcome **Ethan Ogle as the new Green Power Switch Program Manager**.

With a diverse background as a high school science teacher and attorney, Ethan most recently worked at TVA procuring contracts that helped TVA meet federal regulations under the newly implemented Coal Combustion Residual Regulations. This experience, plus his interest in responsible energy practices, made the transition to Green Power Switch an easy one!

Ethan is excited to join the team and looks forward to learning more about TVA's role in renewable energy while working with customers and businesses to achieve renewable energy solutions.

2016 PROSPECTIVE PRODUCT CONTENT LABEL

Green Power Switch is a voluntary renewable energy program from Tennessee Valley Authority and participating local power companies. The product is sold in blocks of 150 kilowatt-hours (kWh), and is made up of the following new renewable resources.

Green-e Energy Certified New ² Renewables in Green Power Switch		Generation Location
	2016 (projected) ¹	2016 (projected) ¹
Biogas	22%	AL, GA, KY, MS, NC, TN or VA
Solar	12%	AL, GA, KY, MS, NC, TN or VA
Wind	66%	AL, GA, KY, MS, NC, TN or VA
Total	100%	

1. These figures reflect the power that we have contracted to provide. Actual figures may vary according to resource availability. We will annually report to you before August 1 of next year in the form of a Historic Product Content Label the actual resource mix of the electricity you purchased.

2. New Renewables come from generation facilities that first began commercial operation within the past 15 years.

For comparison, the current average mix of resources TVA has purchased or generated includes: Coal (32%), Nuclear (33%), Natural Gas (14%), Hydroelectric (11%), and Other (10%). [Source: TVA CY2015]

The average home in the Tennessee Valley uses 1200 kWh per month. [Source: Energy Information Administration]

For specific information about this electricity product, please contact your local power company or TVA Green Power Switch at greenpowerswitch@tva.gov, the toll free Renewable Energy Information Call Center at 1-866-673-4340, or visit www.greenpowerswitch.com.



Energy
CERTIFIED

Green Power Switch is Green-e Energy certified, and meets the minimum environmental and consumer protection standards set forth by the non-profit Center for Resource Solutions. Learn more at www.green-e.org.