

# U.S. UTILITY GREEN TARIFF REPORT

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## ABOUT THIS PUBLICATION

The Clean Energy Buyers Association (CEBA) "U.S. Utility Green Tariff Update" provides detailed information on the green tariff programs available at electric utilities across the United States. This publication serves as a resource for energy customers who may be interested in procuring clean energy through these programs. This publication also allows utilities to compare program designs and inform the development of future green tariffs.

CEBA's utility green tariff publications focus on green tariff programs that allow eligible customers to buy both the energy and associated renewable energy certificates (RECs) from dedicated large-scale renewable energy projects through an independent tariff or as a rider on the customer's current electricity bill. This report excludes green pricing programs that allow customers to purchase unbundled RECs without a long-term commitment and at an additional cost to standard utility electricity charges. This publication excludes utility programs that can be classified as community choice aggregation or community solar. If you are an energy customer looking to learn more about community solar options and understand how they differ from green tariffs, see CEBA's "Community Solar Primer."

This update includes green tariff programs that have been proposed or approved between January 2021 and January 2023, as well as information on additional programs not covered in previous CEBA reports. Details on programs approved prior to 2021 can be found in CEBA's **"U.S. Electricity Markets: Utility Green Tariff Update December 2020."** Program details are compiled from utility websites, public utility commission dockets, and final tariff documents. Details were verified with utilities whenever possible. CEBA will produce regular updates on green tariff programs, but many utilities are moving quickly to offer new green tariffs. For complete and up-to-date details of each green tariff, see the appropriate docket or filing number listed in the tables below, or contact the utility directly.

# **KEY INFORMATION**

### Green Tariff Overview

As of January 2023, the Clean Energy Buyers Association (CEBA) has tracked **50 active green tariff programs** that have been approved or are pending approval at **40 utilities across 28 states** (see Figure 1). Green tariffs were first developed in 2013 to meet customer interest in sourcing their energy supply from cost-competitive renewable energy with a fixed or predictable price. Green tariffs have become a key utility solution and have expanded rapidly in the past few years.

### WHAT IS A GREEN TARIFF?

Green tariffs are voluntary utility programs that allow eligible customers to buy both the energy and associated renewable energy certificates (RECs) from a large-scale renewable energy project through an independent tariff or as a rider on a customer's current electricity bill. These programs are typically offered by local electric utilities and approved by state public utility commissions (PUCs). Green tariff programs ideally utilize new clean energy projects located within the same service territory or grid distribution area as the customer's load. In many green tariffs, utilities structure the cost component to cater to customer preferences for a more direct financial connection to their clean energy consumption.

Since 2013, green tariffs have expanded and evolved to meet growing customer demand for renewable energy and to address varying customer preferences. Utilities originally designed green tariffs for large-scale energy customers — specifically commercial and industrial customers that bring new load to a service territory. However, over time, utilities have designed green tariff programs to accommodate a more diverse set of energy customers, including existing commercial and industrial customers with disaggregated loads, universities, and government entities.

As utilities have worked to meet customer demand for clean energy, several green tariff models have emerged. Green tariff programs have taken roughly three forms:

- A sleeved power purchase agreement (PPA) model, which grants access to individual physical PPAs through the utility
- **Subscription programs,** which allow multiple customers to subscribe to a portion of a large clean energy project (or projects), while the utility holds the PPA or owns the project
- Market-based rate programs, which allow for organized wholesale market participation via the utility (see Box 1 for additional details)

#### Box 1

### Exploring Market-Based Rate Green Tariff Programs

CEBA categorizes a green tariff program as a market-based rate program when the following are true:

- The utility's service territory is located in a wholesale energy market.
- The program enables the customer to access clean energy resources in the organized wholesale market, for example, directly contracting with the developer or leading in the resource selection.
- The cost of participating in the green tariff program in some way reflects the pricing of that wholesale energy market, typically as the basis or some component of the charge and credit structure.

While only a few market-based rate programs exist, many green tariffs include a competitive market value of some sort in the tariff structure. These programs have been offered in areas with and without organized wholesale markets. The market value offered in these green tariffs varies by program. The market value could be a charge or credit reflecting overlapping organized wholesale market rates or nearby energy hub prices, variable hourly or day-ahead values or prices, or the difference between contracted prices and organized wholesale market prices.

Most green tariff programs to date have used either the sleeved PPA or subscription model. The subscription model has become the slightly more popular approach, with the flexibility to accommodate multiple, diverse subscribers with shorter and/or flexible contract lengths. More recently, some utilities (including Georgia Power in Georgia and Duke Energy in North Carolina and South Carolina) have started to include 24/7 options for customers looking to match their hourly energy usage with renewable energy.

The requirements to participate in green tariff programs have also evolved. Today, existing customers can participate in the majority of programs, as opposed to only customers with new load. For existing customers (particularly municipal customers), programs have increasingly provided carve-outs or made exceptions to minimum demand requirements.

### **IMPORTANCE OF GREEN TARIFFS**

Customer demand for clean energy is higher than ever, with commercial and industrial customers purchasing a record of nearly 17 GW of clean energy in 2022. Energy customers are seeking more options to procure clean energy across additional parts of the country. Utility green tariffs have become a primary mechanism for customers in traditionally regulated electricity markets, where customers must access clean energy through their local utility. Further, green tariffs tend to be an attractive option for cities, municipalities, federal agencies, small and medium-sized commercial and industrial customers, and customers with dispersed loads. In 2022, corporate customers announced over 3 GW of green tariff or bilateral utility deals, which accounted for roughly a quarter of total deal capacity with a known contract type tracked by CEBA. This figure likely underrepresents customer participation in green tariff programs, as customers do not always publicly announce subscriptions to green tariffs.

There are several reasons that energy customers may choose to participate in a green tariff program:

- Customers want more direct financial connection to the clean energy they procure and ideally would like it to be located within their local service territory or grid distribution area.
- Many customers cannot meet clean energy goals solely through on-site renewable energy generation, because it is infeasible for the company's physical portfolio and/or capacity is insufficient to meet its needs.
- Many customers do not have the internal resources to execute and manage self-owned or third-party clean energy projects, especially small and medium-sized businesses.
- Customers want cost predictability through varying-length contracts, fixed prices, or even market-based rates.
- Green tariffs enable customers to support clean energy development through their monthly utility bill, while avoiding the capital costs associated with alternative contract arrangements that may not be financially feasible or justifiable, especially for smaller, dispersed loads.
- Green tariffs are easier for customers to execute than PPAs. They do not require hiring a consultant/broker and negotiating contracts; they can offer more flexible, shorter-term contract lengths; and the customer does not need energy expertise.

Energy customers have signaled they want more options from their utilities to fulfill their clean energy, sustainability, and greenhouse gas reduction goals. A growing number of utilities recognize the need to create new options for these customers and have developed green tariff programs.



**Figure 1** States with Green Tariff Programs, January 2023



#### Availability of Green Tariffs and Electric Retail Choice

- Approved green tariff(s)
- Green tariff(s) pending approval
- Approved green tariff(s) and green tariff(s) pending approval
- Customer program(s) that function like a green tariff
- Electric retail choice easily available
- Green tariff pending approval; Electric retail choice easily available
- No known direct large-scale RE access available
- (#) Number of utilities in the state with a green tariff

### Summary of Green Tariff Updates Since December 2020

Since the last update of this publication in December 2020, 16 green tariff programs have been added to this report. Six programs received regulatory approval since 2020, six programs have been proposed and are pending approval, and four programs were not identified in previous reports but were approved prior to December 2020. These newly added programs include 11 new utilities and the first green tariff programs in seven states (Arkansas, Idaho, Indiana, Louisiana, Tennessee, Texas, and West Virginia). Of these 16 newly added programs, nine use a subscription model, five use a sleeved PPA model, and two offer both subscription and sleeved PPA options. Three of the programs detailed in this update are fully subscribed, while eight are open for customers to enroll or join a waitlist, and five programs will be open for enrollment after receiving regulatory approval. It is possible that CEBA has not captured all green tariff programs. If you are aware of a program that is missing from this report, please contact communications@cebuyers.org.

The amount of renewable energy available through green tariffs that have been approved or proposed since 2020 varies significantly, ranging from 100 megawatts (MW) to 4,000 MW. While some of these programs do not have a cap and others will add more project capacity in the future, the six programs approved since 2020 offer a total of at least 2,875 MW for eligible customers. In addition, at least 5,925 MW of renewable energy capacity has been proposed for programs that are pending approval. Georgia Power's Clean and Renewable Energy Subscription Program (CARES) constitutes one of the largest programs in the country, with 2,100 MW available. Following the trend of larger program sizes, Duke Energy in North Carolina has proposed adding up to 4,000 MW for its new Green Source Advantage (GSA) Choice program.

As of January 2023, there are 50 approved or pending green tariff programs across 40 utilities in 28 states. The number of utilities with green tariffs has grown significantly in recent years, increasing from 32 utilities as of December 2020. Green tariff programs are particularly useful for customers in states with vertically integrated utilities and no retail choice. Of the 32 states that do not offer any form of retail choice for commercial and industrial customers,<sup>1</sup> green tariffs are now offered by at least one utility in 22 states.

While the availability of green tariff programs has grown significantly, it is important to note that in most states, there is only one utility with a green tariff and the programs often have limited capacity. Customer interest in these programs is so high that many programs are quickly fully subscribed, and utilities cannot keep up with demand. To meet growing corporate demand for large-scale clean energy projects, additional utilities should create green tariffs or similar clean energy programs, and utilities with existing programs should expand the amount of renewable capacity available.



<sup>&</sup>lt;sup>1</sup>13 states and the District of Columbia offer full retail choice, three states offer retail choice to commercial and industrial customers under limited conditions, and two states offer retail choice under limited caps that were fully subscribed at the time of publication. See American Coalition of Competitive Energy Suppliers. State-by-State Information. https://competitiveenergy.org/consumer-tools/state-by-state-links/.

### **OVERVIEW OF NEW PROGRAMS**

#### Six programs received regulatory approval since 2020:

- Arizona Public Service's Green Power Partners Program was approved September 1, 2021. The program includes three subscription options for new renewable resources and is open for enrollment.
- Entergy Arkansas' Green Promise tariff was approved in June 2022 for an initial capacity of 100 MW. The initial capacity is already fully subscribed, and Entergy Arkansas plans to seek approval to increase the program's capacity.
- Georgia Power's Clean and Renewable Energy Subscription Program (CARES) was approved January 17, 2023, with a total capacity of 2,100 MW. The program includes carve-outs for existing customers, new load customers, municipalities and schools, and an Around the Clock (ATC) option that will couple carbon-free resources with battery storage. Georgia Power plans to open enrollment periods in 2023 and 2025.
- Entergy Louisiana received approval for its Geaux Green option (Rider GGO) in September 2022. This program allows customers to subscribe to a portion of a 475 MW solar portfolio in one-year auto-renewing terms. Large commercial and industrial customers can currently join a waitlist.
- Duke Energy's Green Source Advantage (GSA) program in South Carolina was approved in January 2021. GSA allows customers with at least 1 MW of demand to work directly with developers to identify a project to purchase through Duke Energy. The program has a cap of 200 MW and is currently open for enrollment.
- In West Virginia, Appalachian Power Company and Wheeling Power Company received approval for Renewable Power Plus in June 2022. The program is currently fully subscribed for large customers, but capacity is still available under the 3% carve-out for residential and small commercial customers as of January 2023.

#### Six programs have been proposed and are pending regulatory approval:

- Idaho Power proposed the Clean Energy Your Way program in December 2021. The program will include a subscription option for 50-100 MW and a construction option that allows customers to work with Idaho Power to develop a new dedicated renewable resource.
- Ameren Missouri proposed a new subscription-based program in July 2022 called Renewable Solutions. Customers will be able to subscribe to up to 100% of their annual energy usage for 15 years. Phase 1 will have a capacity of 150 MW and has already been fully subscribed.
- In North Carolina, Duke Energy proposed the GSA Choice Program on January 27, 2023. GSA Choice will make up to 4,000 MW of new renewables available for large customers to contract through two program options. In addition, the program will include an energy storage option that would allow customers to virtually time-align their energy use with clean energy.

- In Oregon, Pacific Power proposed its Accelerated Commitment Tariff in March 2022 as part of a larger rate case. The program will allow nonresidential customers with at least 30 kilowatts (kW) of load to contract for new renewable resources for a minimum of five years. The program will have a procurement cap of 175 average megawatts (aMW), which equates to approximately 580-875 MW of nameplate capacity, depending on the capacity factor of the renewable resources.
- In South Carolina, Duke Energy proposed the Renewable Choice program in October 2022. The program will allow customers to subscribe to a portion of an 855 MW renewable portfolio. It will also include an optional energy storage feature for customers with at least 15 MW of demand to partner with Duke Energy on a grid-scale energy storage facility.
- Entergy Texas proposed the Green Future Option, which will allow customers to subscribe to a portion of a renewable resource for at least one year in 1 kW increments. The first offering of 120 MW has already been fully subscribed, contingent on approval of the program. A second offering of up to 525 MW will be available for commercial and industrial customers starting in 2026. Customers can reserve a place in the program now by submitting a reservation agreement.

### Four programs were approved prior to December 2020 and not identified in earlier versions of this report.

- Indiana Michigan Power received approval for updates to its IM Green programs (now called GoGreen) in both Indiana and Michigan in 2020. GoGreen now includes an option for customers to purchase energy and RECs from a renewable resource through a tailored contract with the utility.
- Tennessee Valley Authority (TVA) created the Green Invest program in 2018 to help large customers across its seven-state service territory meet their sustainability goals. TVA's board, rather than state PUCs, approved Green Invest. Customers can purchase RECs from a new renewable project between 2 to 500 MW in size for 15 to 20 years.
- Alliant Energy's Renewable Energy Partner program in Iowa was included in earlier editions of this report, and this update now includes Alliant's Renewable Energy Partner program in its Wisconsin service territory. The Wisconsin program was approved in July 2019, with a cap of 150 MW, and is currently open for enrollment.

### Five programs have received noteworthy updates since December 2020:<sup>2</sup>

• DTE Energy in Michigan received approval in June 2021 to add 797 MW of renewable energy to its MIGreenPower subscription-based program and add a "customerrequested offering," which allows customers to enter special contracts for a specified renewable energy project. Ford Motor Company and Stellantis have both announced large purchases through the customer-requested offering.

<sup>&</sup>lt;sup>2</sup>These expanded programs are not detailed further in this publication. More details can be found in CEBA's **<u>"U.S. Electricity Markets: Utility Green Tariff Update December 2020."</u>** 

- Consumers Energy's Large Customer Renewable Energy Program in Michigan received approval in September 2021 to expand the program size and make it a permanent program rather than a pilot program. The expansion removed the annual subscription limit and authorized Consumers Energy to add up to 1,000 MW of new renewables based on customer applications.
- NV Energy received approval in December 2021 for an updated NV GreenEnergy Rider (NGR 2.0), which made 230,000 megawatt-hours (MWh) of renewable energy available to both residential and nonresidential customers. The enrollment window closed December 7, 2022.
- Portland General Electric (PGE) in Oregon received approval to offer an additional 200 MW under Phase 2 of the Green Future Impact program in March 2021. According to PGE's website, the company plans to open enrollment for the PGE Supplied Option in the first quarter of 2023.
- In North Carolina, Duke Energy received approval for the GSA Bridge program in November 2022. The GSA Bridge program added 250 MW to Duke Energy's existing GSA program and serves as an interim option until the utility's newly proposed customer renewable programs are approved. Of the 250 MW, 100 MW is reserved for major military installations, while 150 MW is currently open for enrollment for all other customers.

### In addition, the following utilities are in early stages of developing new green tariff programs:

- In December 2021, Xcel Energy in Colorado proposed Renewable\*Connect 2.0 as part of its 2022-2025 Renewable Energy Compliance Plan. As proposed, Renewable\*Connect 2.0 would have a capacity of up to 300 MW and a subscription term of 15 years. Per a settlement agreement in September 2022, Xcel Energy withdrew Renewable\*Connect 2.0 from the larger Renewable Energy Compliance Plan PUC proceeding and will re-file an application for up to 300 MW with a request for expedited approval.
- In Montana, the cities of Missoula and Bozeman have been working with NorthWestern Energy since 2021 to develop a green tariff. The cities recently extended a contract with consultant Energy Strategies for another six months to continue pursuing the tariff.

#### Below is an additional program for customers to be aware of:

Alabama Power received approval for a certificate of convenience and necessity to develop up to 500 MW of renewable energy in 2015. Using this authorization, Alabama Power created a voluntary renewable program that allows large commercial and industrial customers to sponsor new large-scale renewable projects. This program is not filed as a tariff but functions similarly to a sleeved PPA green tariff program. Alabama Power works with a project developer to negotiate a PPA, which is contingent on a customer supporting the project. Costs are sleeved to the customer at a subscription price, and customers receive a monthly energy credit based on Alabama Power's hourly energy rate. Customers have signed contracts for 330 MW to date, with 170 MW remaining.

#### Table 1

Green tariff programs by year approved or proposed

YEAR APPROVED OR PROPOSED	STATE	UTILITY	GREEN TARIFF PROGRAM	STATUS
2017	Nevada	NV Energy	GreenEnergy Rider, Schedule NGR	Approved
2015	North Carolina	Duke Energy	Green Source Rider, Rider GS	Concluded
2015	Utah	Rocky Mountain Power	Service from Renewable Energy Facilities, Schedule 32	Approved
	Colorado	Xcel Energy	Renewable*Connect	Approved
	New Mexico	Public Service Co. of New Mexico (PNM)	Green Energy Rider, Rider No. 47	Approved
2016	Utah	RMP	Renewable Energy Purchases for Qualified Customers, Schedule 34	Approved
	Virginia	Dominion Energy	Schedule MBR	Replaced
	Washington	Puget Sound Energy	Schedule No. 139, Green Direct	Approved
	Wyoming	Black Hills Energy	Large Power Contract Service	Approved
2017	Georgia	Georgia Power	Commercial and Industrial REDI Schedule	Approved
	Nebraska	Omaha Public Power District	Large Power-High Voltage Transmission Level-Market Energy, Schedule No. 261 M	Approved
	Wisconsin	Madison Gas and Electric	Renewable Energy Rider	Approved
	Kansas	Evergy	Renewables Direct	Approved
	Kentucky	Kentucky Power	Renewable Power Option Rider	Approved
	Michigan	Consumers Energy	Voluntary Large Customer Renewable Energy Pilot Program	Approved
	Missouri	Ameren Missouri	Renewable Choice Program	Approved
	Missouri	Evergy	Renewables Direct	Approved
2018	Virginia	Dominion Energy	Schedule RF	No Longer Available
	Virginia	Dominion Energy	Renewable Energy Supply Service, Schedule RG	Approved
	Tennessee	Tennessee Valley Authority	Green Invest	Approved
	Wisconsin	Wisconsin Electric Power Co. (We Energies)	Dedicated Renewable Energy Resource	Approved
	Wisconsin	Xcel Energy	Renewable*Connect	Approved
2019	Arizona	Salt River Project	Sustainable Energy Services Pilot Rider	Approved
	Georgia	Georgia Power	Customer Renewable Supply Procurement	Approved
	Kentucky	LG&E and KU Energy	Standard Rate Rider Green Tariff	Approved

Note: Bold text indicates green tariff programs added to this update since the last publication in December 2020.

**Table 1** (Continued)Green tariff programs by year approved or proposed

YEAR APPROVED OR PROPOSED	STATE	UTILITY	GREEN TARIFF PROGRAM	STATUS
	Michigan	DTE Energy	MIGreenPower, Rider 19	Approved
	Minnesota	Xcel Energy	Renewable*Connect	Approved
	North Carolina	Duke Energy	Green Source Advantage	Approved
2019	Oregon	Portland General Electric	Green Future Impact	Approved
	South Dakota	Black Hills Energy	Renewable Ready Service	Approved
	Wisconsin	Alliant Energy	Renewable Energy Partner Program	Approved
	lowa	Alliant Energy	Renewable Energy Partner Program	Approved
	Indiana	Indiana Michigan Power	IM Green Customer Agreement Option	Approved
	Kentucky	Duke Energy	Green Source Advantage	Approved
	Kentucky	East Kentucky Power Cooperative	Renewable Energy Program	Approved
2020	Michigan	Indiana Michigan Power	IM Green Bring Your Own Contract	Approved
	Nevada	NV Energy	Large Customer Market Price Energy	Approved
	New Mexico	PNM	Solar Direct, Rider No. 50	Approved
	Virginia	Dominion Energy	Rate Schedule MBR, Large General Service Market-Based Rate	Approved
	Virginia	Kentucky Utilities	Green Tariff	Approved
	Wyoming	Black Hills Energy	Renewable Ready Service	Approved
	Arizona	Arizona Public Service	Green Power Partners Program	Approved
2021	Idaho	Idaho Power	Clean Energy Your Way	Proposed
	South Carolina	Duke Energy	Green Source Advantage	Approved
	Arkansas	Entergy Arkansas	Green Promise	Approved
	Louisiana	Entergy Louisiana	Geaux Green	Approved
2022	Missouri	Ameren Missouri	Renewable Solutions	Proposed
	Oregon	Pacific Power	Accelerated Commitment Tariff	Proposed
	South Carolina	Duke Energy	Renewable Choice	Proposed
	Texas	Entergy Texas	Green Future Option	Proposed
	West Virginia	Appalachian Power	Renewable Power Plus	Approved
2023	Georgia	Georgia Power	Clean and Renewable Energy Subscription	Approved
	North Carolina	Duke Energy	GSA Choice	Proposed

Note: Bold text indicates green tariff programs added to this report since the last update of this publication in December 2020.

## PROGRAMS APPROVED SINCE DECEMBER 2020

### Arizona

ARIZONA – ARIZONA PUBLIC SERVICE (APS)		
Tariff Name	Green Power Partners (GPP) Program	
Tariff Type	Rider; Subscription product	
Program Size/Period	Not specified	
	Available to business customers served under large and extra-large general service rates.	
Customer Eligibility	Customers with extra-small, small, and medium accounts may be eligible, provided their accounts have an aggregate non-coincident sum of individual peak loads that exceed 1 MW or 5,000 MWh annually.	
	Customer enters into a green power contract with APS. All contracts will be submitted to the Arizona Corporation Commission for approval.	
	<ul> <li>Green Connect: Customer subscribes to a specified amount of green power from a new APS resource (that is part of APS' planned resources) for at least one year.</li> </ul>	
Tariff/Contract Structure	• Green Locate: The customer purchases green power from a new APS resource that is part of APS' planned resources, but the customer gets to choose where to locate the facility. Customer subscribes to a designated amount of green power for a minimum of 20 years.	
	• Green Commit: The customer purchases green power from a new resource that is not part of APS' planned resources or seeks to accelerate acquisition of a planned resource. Customer subscribes to a fixed amount of green power with a purchase commitment for the output of the facility over a mutually agreeable term.	

ARIZONA – ARIZONA PUBLIC SERVICE (APS) (CONTINUED)		
	For all options: Customers pay a green power price in addition to the customer's full retail rate. The prices will be specified in the customer contract and may be revised from one resource procurement to the next. The green power price for all options will be priced in the range from \$0.001 per kwh up to \$0.015 per kwh.	
Customer Cost Structure	<ul> <li>Green Connect: The green power will be priced at the time of the offering (initial price of \$2.50/MWh).</li> </ul>	
	<ul> <li>Green Locate: Pricing will reflect any additional cost for change in project location.</li> </ul>	
	<ul> <li>Green Commit: The customer is responsible for all incremental costs, including capital costs. The green power will be priced at the time of the offering.</li> </ul>	
	Option A: At least one year	
Contract Time	Green Locate: Minimum of 20 years	
comment	Green Commit: 15-20 years	
Administrative Fee	Not specified	
	Green Connect: APS leads procurement	
Procurement Lead	<ul> <li>Green Locate: Customer chooses where to locate a planned APS facility.</li> </ul>	
	<ul> <li>Green Commit: Customer chooses a new renewable resource that is not part of APS' current resource plan.</li> </ul>	
Bundled RECs Management	RECs will be retired by APS. Upon customer request, APS will evaluate a REC transfer (to then be retired) for an additional fee.	
Aggregation of Customer Facility Demand	Aggregation is allowed for customers with extra-small, small, and me- dium accounts.	
Impact on Net Metering	Customers are allowed to participate in both net metering and the GPP Program.	
<b>RE Facility Eligibility</b>	Not specified	
	Application filed June 2021; Approved September 2021	
PUC Process	Option A amended July 2022	
Enrollment Status/RE Deals Signed	Open for enrollment.	
	An Option C agreement with Microsoft Corporation was approved De- cember 2022 for 231 MW of wind energy.	
Docket Information	E-01345A-21-0203	
	Green Power Partners Program	
Utility Website	GPP Tariff	

### Arkansas

ARKANSAS – ENTERGY ARKANSAS		
Tariff Name	Green Promise, Rate Schedule No. 64	
Tariff Type	Tariff; Subscription product (with a market value)	
	Initial capacity: 100 MW	
	• Up to 1 MW of initial capacity reserved for Residential customers.	
Program Size/Period	<ul> <li>Initial capacity will be apportioned to Non-residential customers who submitted a Letter of Intent before May 26, 2022.</li> </ul>	
	Entergy Arkansas plans to seek approval to increase the capacity of the program as customer demand grows.	
	1. Residential Service Rate Schedules RS, RT, and REMT	
Customer Eligibility	2. Small General Service Rate Schedules SGS, GFS, MP, AP, SMWHR, and CGS	
	3. Large General Service Rate Schedules LGS, GST, LPS, and PST	
	Customers can subscribe accounts to a minimum of 0.5 kW; Non- residential customers may elect additional capacity in 0.5 kW increments. Customers can subscribe up to 90% of their energy usage.	
	Customers choose between two options:	
Tariff/Contract Structure	<ul> <li>Annual Plan (Option 1): One-year auto-renewable subscription with a fixed monthly subscription cost and variable monthly subscription credit.</li> </ul>	
	<ul> <li>10-Year Plan (Option 2): Escalating monthly subscription cost based on 10-year commitment and a variable monthly subscription credit. Option 2 is tailored for commercial and industrial customers but is available to all customers.</li> </ul>	
	Subscribers pay a monthly subscription fee in exchange for a variable credit based on output of the renewable resource. Subscribers continue to pay existing rates. The subscription charge differs between Option 1 and Option 2; however, the credit rate is the same for both options.	
	<ul> <li>Annual Plan: Fixed monthly cost, starting at \$6.25 per kW (\$75/yr/kw)</li> </ul>	
Customer Cost Structure	<ul> <li>10-Year Plan: Annually escalating subscription cost, starting at \$6.01/ kW in year one and increasing to \$6.61 per kW in year 10. At year</li> <li>11, the rate returns to \$6.25 per kW (\$75/yr/kw) for remainder of subscription</li> </ul>	
	Customers receive a bill credit for the customer's portion of the energy produced by the resource (\$/kWh). The credit is estimated to start at \$0.029/kWh for the first year of participation and increases annually.	
	A customer's monthly bill cannot be less than the otherwise applicable minimum. If the customer's bill would result in the otherwise applicable minimum, any credit amount not applied in the current billing month will be carried forward to the following billing month.	

ARKANSAS – ENTERGY ARKANSAS (CONTINUED)		
Contract Time Commitment	<ul> <li>Option 1: One-year term, extended automatically for periods of one year until terminated by customer</li> </ul>	
	<ul> <li>Option 2: Initial term of 10 years, extended automatically for periods of one year until terminated by customer (subject to early termination fee)</li> </ul>	
Administrative Fee	Not specified	
Procurement Lead	Entergy Arkansas	
Bundled RECs Management	Retired by Entergy Arkansas on customer's behalf	
Customer Facility Flexibility	Customers can transfer their subscription to a new location if relocating within Entergy Arkansas' service area	
Aggregation of Customer Facility Demand	N/A	
Impact on Net Metering	Not available to customer accounts taking service under Net-Metering Service, Small Cogeneration Rider, Large Cogeneration Rider, or Solar Energy Purchase Option	
<b>RE Facility Eligibility</b>	Current resources include Chicot Solar and Searcy Solar	
	Filed May 26, 2022	
	Approved June 22, 2022	
Enrollment Status/RE Deals Signed	Entergy has received Letters of Interest (LOIs) from customers for an estimated 477 MW. As additional resources are added, Entergy anticipates it will first enroll remaining demand from customers with existing LOIs. Once initial LOI customer subscriptions have been fulfilled, Entergy will maintain a waitlist and fulfill capacity on a first-come, first- served basis.	
	When the tariff was first filed for approval, 19 customers had submitted LOIs, representing 80 MW of total capacity.	
Docket Information	<u>21-054-TF</u>	
Utility Website	<u>Green Promise</u>	

### Georgia

Tariff Name	Clean and Renewable Energy Subscription (CARES) Program (Schedule CARES-1 and Schedule CARES CFE-ATC-1)	
Tariff Type	Tariff; Subscription product (with a market value)	
Program Size/Period	<ul> <li>2,100 MW total:</li> <li>Existing Load: 900 MW available for existing customers</li> <li>New Load: Up to 500 MW for customers with new load additions of at least 15 MW</li> <li>Carbon Free Energy Around the Clock (CFE-ATC) option: 650 MW of carbon-free resources coupled with battery storage</li> <li>50 MW for existing municipalities, universities, schools, and hospitals (MUSH)</li> <li>Economic development offering: opportunity for additional renewable solicitations for new load of 50 MW or more</li> </ul>	
Customer Eligibility/ Limitations	<ul> <li>Existing commercial and industrial customers with annual peak demand of at least 3 MW</li> <li>New load: New commercial and industrial customers or existing commercial and industrial customers with new load additions of at least 15 MW</li> <li>CFE-ATC option: new or existing commercial and industrial customers with minimum annual peak demand of 25 MW; can subscribe up to a 100 MW block</li> <li>MUSH: Municipalities, universities, schools, and hospitals with aggregate annual peak demand of 1-3 MW</li> <li>Economic development offering: new and existing commercial and industrial customers who are adding at least 50 MW of new load</li> <li>Customers already participating in a Georgia Power renewable subscription program may not subscribe a second time for load already accounted for under another program.</li> </ul>	
Aggregation of Customer Facility Demand	Customers may aggregate premises to reach the demand thresholds, provided premises are under a common ownership or control.	
Tariff/Contract Structure	Customer must subscribe to the CARES-1 or CARES CFE-ATC-1 tariff and enter into a CARES Customer Agreement with Georgia Power. Customers can purchase a subscription for a pro rata share of the production of renewable facilities. Subscription level cannot exceed 100% of preceding annual energy consumption of customer's facilities. For existing load, CFE-ATC, and MUSH: If interest exceeds the available capacity, Georgia Power will allocate capacity on a pro rata basis among customers who complete the Notice of Intent process. Program capacity for new load customers will be offered on a first-come, first-served basis	

GEORGIA – GEORGIA POWER (CONTINUED)		
	Standard general retail service applies, plus the CARES Program charge and credit, depending on the pricing option.	
	Customers can choose either a variable or fixed-price pricing option for the existing load, new load, and MUSH portions of the program. The CFE-ATC and Economic Development portions of the program will use the variable pricing option.	
Customer Cost Structure	Variable Pricing Option: Customers pay a price per kWh for variable output associated with their pro rata share of the portfolio capacity. The charge includes the levelized weighted average supply cost of the CARES portfolio, levelized transmission cost, renewable integration cost, administrative fee, and optional community adder fee.	
	<ul> <li>Customers receive hourly credits at the hourly operating cost of incremental generation, based on their share of energy production.</li> </ul>	
	<ul> <li>Under the CFE-ATC option, customers receive a capacity credit for avoided generation capacity.</li> </ul>	
	<u>Fixed-Price Option:</u> Customers pay a fixed price per kWh for the output associated with their pro rata share of the portfolio capacity. The charge is comprised of current and projected value of RECs, an administrative fee, and optional community adder fee. The cost per kWh will be determined at the time of contracting for 10 years. Customers do not receive credits under this option.	
Administrative Fee	<ul> <li>\$5,000 Notice of Intent (NOI) application fee for Existing Customers, New Customers, MUSH Customers, and Economic Development Customers</li> </ul>	
	<ul> <li>\$10,000 NOI application fee for CFE-ATC Customers</li> </ul>	
	Administrative fees are included in the program charge.	
Procurement Lead	Georgia Power issues RFPs for renewable resources.	
Bundled RECs Management	RECs will be retired by Georgia Power on behalf of customers.	
Contract Time Commitment	• Existing, MUSH, New Load, and Economic Development customers: minimum term of 10 years; can request up to 30 years in five-year increments	
	<ul> <li>CFE-ATC term of contract will be specific to each participating customer and set forth in the applicable Customer Agreement</li> </ul>	
Value of RE Price Certainty	Customers lock in contract price, subscription amount, and contract term length at the time of subscription. Under the Variable Pricing Option, it is possible to see lower utility bills if the hourly credit exceeds the program charge.	
Impact on Net Metering	Customers may participate in net metering. Participation in the CARES Program is limited to 100% of net energy purchased from Georgia Power.	

GEORGIA – GEORGIA POWER (CONTINUED)		
RE Facility Eligibility	• New renewable resources greater than 6 MW(ac)	
	• Two RFPs planned: RFP for 1,050 MW in 2023 (with commercial operations dates [CODs] in 2026 or 2027); RFP for remaining capacity in 2025 (with CODs in 2028 or 2029)	
	<ul> <li>CFE-ATC option: renewable facilities paired with battery energy storage; RFP anticipated in 2023</li> </ul>	
PUC Process	<ul> <li>Georgia Power requested approval to procure 2,100 MW of renewables for the CARES Program in its 2022 integrated resource plan, which was approved July 29, 2022</li> </ul>	
	<ul> <li>The CARES Program was filed for approval on December 8, 2022</li> </ul>	
	• Approved January 17, 2023	
Enrollment Status/RE Deals Signed	Interested customers must submit an NOI application. Georgia Power plans to open the first NOI submission periods in April 2023 and July 2023, with a second NOI submission period in 2025.	
Docket Information	2022 IRP: Georgia PSC <b>Docket #44160</b>	
	CARES Program: Georgia PSC <b>Docket #44847</b>	
Utility Website	CARES_FAQs	



### Louisiana

LOUISIANA – ENTERGY LOUISIANA		
Tariff Name	Geaux Green option (Rider GGO)	
Tariff Type	Rider; Subscription product	
	475 MW total	
	Subscriptions are allocated to different customer classes as follows:	
Program Size	<ul> <li>365 MW allocated to larger commercial, industrial, and governmental accounts</li> </ul>	
	<ul> <li>100 MW allocated to residential and small commercial customers</li> </ul>	
	10 MW for qualifying low-income residential customers	
Customer Eligibility	Open to all existing large commercial and industrial classes that have a metered service and the account is in good standing	
Tariff/Contract Structure	Voluntary rate schedule that allows customers to subscribe to a portion of a solar portfolio. Customers enroll in a one-year auto-renewing term for a minimum of 2 kW up to 50 MW, in increments of 1 kW.	
	Subscriptions are available on a first-come, first-served basis.	
Customer Cost Structure	<ul> <li>The rider is incremental to a customer's normal bill. Customers pay a monthly subscription fee based on the amount of the customer's subscription and the cost of the underlying resources and receive a variable monthly bill credit, based on the participant's share of output of the renewable portfolio and the MISO energy value.</li> <li>There are two options for the subscription fee: <ul> <li>Fixed-Price Option: Fee is based on the amount of capacity a customer subscribes to and a fixed capacity charge.</li> <li>Volumetric Price Option: Resembles a virtual PPA. Enrolled</li> </ul> </li> </ul>	
	customers pay for the difference between the green tariff subscription fee and the monthly wholesale price of energy, multiplied by their share of delivered energy each month.	
	Subscription fees will be updated and finalized by September 30, 2023. The current fee estimates are \$7.91/kW for the Fixed-Price Option and \$39.288/MWh for the Volumetric Price Option.	
Contract Time Commitment	One-year auto-renewing term	
Administrative Fee	Not specified	
Value of RE Price Certainty	If the value of energy produced by a customer's subscription exceeds a certain threshold, they will see a net reduction in their monthly utility bill. For the Fixed-Price Option, the bill effects are seasonal, and customers will see more benefits in the summer months, when solar produces more energy and power prices tend to be higher. For the Volumetric Price Option, participants will see a net reduction in their bill whenever the monthly MISO LMP prices exceed the Volumetric Price.	

LOUISIANA - ENTERGY LOUISIANA (CONTINUED)		
Procurement Lead	Entergy Louisiana handled procurement of all resources that will supply Rider GGO. The four initial resources that will supply the program include three 20-year PPAs and one build-own-transfer contract where Entergy Louisiana will directly own the renewable facility (St. Jacques) once it is operational.	
Bundled RECs Management	Retired by Entergy Louisiana on behalf of the customer	
Aggregation of Customer Facility Demand	N/A	
Impact on Net Metering	Customers can participate in both net metering and Geaux Green.	
RE Facility Eligibility	New renewable projects located in Louisiana. The four initial solar projects that will supply the program are Vacherie Solar (150 MW), Sunlight Road Solar (50 MW), St. Jacques Solar (150 MW), and Elizabeth Solar (125 MW).	
	Filed November 9, 2021	
PUC Process	Approved September 21, 2022	
Enrollment Status	The waitlist is currently open for large commercial and industrial clients.	
	Small business and residential customers will be able to enroll at a later date.	
Docket Information	<u>U-36190</u>	
Utility Website	Geaux Green	

### South Carolina

SOUTH CAROLINA – DUKE ENERGY		
Tariff Name	Green Source Advantage (GSA)	
Tariff Type	Rider; Sleeved PPA (with a market value)	
Program Size/Period	<ul> <li>200 MW total</li> <li>150 MW in Duke Energy Carolinas (DEC): 125 MW for business customers and 25 MW for local government and higher education customers</li> <li>50 MW in Duke Energy Progress (DEP): 10 MW for local government and higher education customers</li> </ul>	
Customer Eligibility/ Limitations	<ul> <li>New or existing nonresidential customers receiving concurrent service from DEC or DEP must have</li> <li>minimum annual peak demand of 1 MW at single location; or</li> <li>multiple service locations that, in aggregate, are equal to or greater than 1 MW.</li> <li>Annual capacity procured under the tariff cannot exceed 125% of customer's aggregate maximum annual peak demand at service location(s).</li> </ul>	
Contract Time Commitment	Maximum of 20 years	
Tariff/Contract Structure	Customer, Duke Energy, and RE Supplier enter into GSA Service Agreement outlining service terms and the negotiated rates and charges for the contract term per the GSA Program. The customer pays the GSA Product Charge, which is included on the utility bill and passed onto the facility owner. In return, the customer receives the GSA Bill Credit. Duke Energy enters into second contract, the GSA PPA, with the RE supplier for the delivery of energy and capacity. The GSA PPA price will be equal to the bill credit selected by the customer.	

SOUTH CAROLINA - DUK	E ENERGY (CONTINUED)
Customer Cost Structure	Standard general retail service, plus the GSA Product Charge and administrative costs, minus the GSA Bill Credit.
	• GSA Product Charge: the energy produced by the GSA facility in the prior billing month multiplied by the cost outlined in the GSA Service Agreement.
	<ul> <li>GSA Bill Credit: customer can choose either the avoided cost bill credit or the hourly rate bill credit.</li> </ul>
	Avoided cost bill credit equals the fixed levelized avoided energy and capacity rate, as approved by the Public Service Commission (PSC) of South Carolina.
	Hourly rate bill credit or Hourly Marginal Avoided Cost Bill Credit applies to each hour and varies with the service territory:
	• DEC hourly rate bill: Hourly Energy Charge, equal to the expected marginal production cost and other related costs, plus the Rationing Charge, equal to the marginal capacity cost during hours with generation constraint
	<ul> <li>DEP hourly rate bill: Marginal Energy Cost (kW/hr), including marginal fuel and variable operating and maintenance expenses, plus the Tiered Capacity Charge (kW/hr)</li> </ul>
	The hourly rate cannot be lower than zero.
Administrative Fee	\$2,000 application fee; refundable only if there is insufficient capacity available
	\$375/month, plus \$50 per billed account
Value of RE Price Certainty	Customers lock in contract price, credit option, and contract term length directly with the renewable developer at the time of subscription.
Procurement Lead	Customer shall identify and propose to Duke Energy a GSA facility developed by the RE Supplier, either a third-party developer or a Duke Energy affiliate.
	Multiple customers could negotiate with a single RE supplier and share a single RE facility of their choosing.
Bundled RECs Management	RECs will be transferred directly to customer from the RE supplier. Terms of the transfer will be negotiated by the customer with the RE supplier.
Aggregation of Customer Facility Demand	Customer may aggregate multiple locations to achieve the 1 MW participant threshold, so long as each account is located in the same service territory as the RE facility.
Impact on Net Metering	No eligibility restrictions for customers who are currently net metering
RE Facility Eligibility	GSA facility must be located within Duke Energy's service territory (DEC or DEP), in either North Carolina or South Carolina, and in the same service territory as the customer's accounts

SOUTH CAROLINA - DUK	E ENERGY (CONTINUED)
PUC Process	<ul> <li>Filed with South Carolina PSC on October 10, 2018; update filed October 23, 2020</li> </ul>
	• Approved January 28, 2021
	<ul> <li>Extension of initial enrollment period and capacity reservations approved February 24, 2022</li> </ul>
	• A GSA modification was proposed and is with the PSC, as of January 2023. The proposed modified GSA Program would increase capacity from 200 MW to 250 MW and include an optional energy storage feature that would allow customers to store renewable energy during the day and use it at other times to better align their energy use with renewables. Customers will be able to subscribe to up to 100% of their energy use, instead of the 125% of contract demand currently available with GSA.
Enrollment Status	Open for enrollment.
	The customer must submit an application identifying the annual amount of RE to be procured on behalf of the customer, the RE supplier, the contract term, and the bill credit option. Along with the application, the customer must submit a standard-form term sheet identifying the GSA facility, facility owner, and the negotiated price.
Docket Information	Docket 2018-320-E
Utility Website	Duke Energy Green Source Advantage

### West Virginia

WEST VIRGINIA - APPALACHIAN POWER COMPANY AND WHEELING POWER COMPANY		
Tariff Name	Renewable Power Plus (Tariff No. 15)	
Tariff Type	Tariff; Subscription product	
Program Size/Period	Total capacity not specified.	
	At least 3% of the total program capacity will be made available to residential and small commercial customers.	
Customer Eligibility	Available to customers taking service under the utility's standard rate schedules and special contracts	
Tariff/Contract Structure	Customers can subscribe to a portion or all of their energy usage. All renewable energy generation included in the program portfolio is made available on a unit contingent basis. All customer subscription levels will be prorated each month so that customers receive a proportional share of total program renewable energy available. The utility will optimize RECs produced by the renewable energy generators supplying this program, to the benefit of all customers. Subscribing customers will receive 1 REC from a carbon-free generation resource for every 1 MWh of usage subscribed under this program.	
Customer Cost Structure	Monthly charge based on the subscription amount in kWh and the applicable monthly subscription rate (in addition to the rate schedule under which the customer takes service). Subscription Charge starts at \$.00325/kWh in year 1 and decreases to	
	\$0.002/kWh in years 6-10.	
Contract Time Commitment	10 years, with a 30-day cancellation notice, for commercial and industrial customers; one year, with a 30-day cancellation notice, for residential and small commercial customers	
Administrative Fee	N/A	
Value of RE Price Certainty	Subscription charge is set for 10 years.	
Procurement Lead	Appalachian Power Company and Wheeling Power Company	
Bundled RECs Management	Appalachian Power retires RECs on behalf of subscribing customers. If a subscribing nonresidential customer requires physical delivery of the REC certificates from this program, the customer shall sign an affidavit attesting that the RECs provided from this program will not be sold.	

#### WEST VIRGINIA – APPALACHIAN POWER COMPANY AND WHEELING POWER COMPANY (CONTINUED)

Customer Facility Flexibility	Subscribing customers may move their existing subscription to new or different electric accounts with the utility upon 30 days' notice if the total amount of renewable energy being purchased by the customer remains materially the same. If a subscribing customer's electric account usage declines to zero or is closed during the initial 10-year term of this program, the subscribing customer is not obligated to continue payments under this program.
Aggregation of Customer Facility Demand	Not applicable; each account must be enrolled in the program
Impact on Net Metering	Net metering customers are eligible to participate in the program
<b>RE Facility Eligibility</b>	Resources in the proposed portfolio are located in PJM.
PUC Process	Filed January 26, 2022
	Approved June 24, 2022
Enrollment Status/RE Deals Signed	Fully subscribed for large customers, with additional demand on a waitlist
	<ul> <li>Appalachian Power has a memorandum of understanding with Nucor Corp. for a special contract.</li> </ul>
	Capacity is still available under the 3% carve-out for residential and small commercial customers, as of January 2023.
Docket Information	<u>22-0045-E-US</u>
Utility Website	Rate Schedules (See pages 126-128.)

## **PROPOSED PROGRAMS**

### Idaho

IDAHO – IDAHO POWER	
Tariff Name	Clean Energy Your Way (Schedule 62)
Tariff Type	Subscription product or sleeved PPA
Program Size/Period	Subscription Option: 50-100 MW (program size to be determined in future proceeding)
	<ul> <li>Construction Option: No programwide cap. Size for Individual customers not to exceed 110% of customer load.</li> </ul>
Customer Eligibility	<ul> <li>Subscription Option: Open to all customer classes; Idaho Power is proposing an individual customer cap of 15% of program capacity. The subscription size would be based on a customer's average prior year energy use in kWh. Customers can subscribe to different levels of their average prior year energy use. Program details will be determined in a future proceeding.</li> </ul>
	• Construction Option: Open to Schedule 19 Large Power Service and Special Contract customers. Size of renewable facility(ies) under this option cannot exceed 110% of a customer's load. Schedule 19 customers with multiple facilities can elect to negotiate a single Construction Option contract (as proposed).
	Three options:
Tariff/Contract Structure	<ul> <li>Flexible Option (not described in detail in this report): REC purchases; Currently called the Green Power Program.</li> </ul>
	• Subscription Option: Business and residential customers can receive renewable energy equal to 50% or 100% of historic annual energy use by subscribing to a new local renewable resource (details to be determined in a future proceeding)
	<ul> <li>Construction Option: Allows large commercial customers to partner with Idaho Power to develop new dedicated renewable resources to support their energy use</li> </ul>

IDAHO - IDAHO POWER	(CONTINUED)
Customer Cost Structure	Subscription Option: Customers pay a program charge and earn a credit on their bill for energy and capacity value of the resource. Idaho Power will propose specific pricing after a dedicated resource is selected. Pricing and program details will be determined in a future proceeding. Customers continue to pay all standard rates and charges.
	Construction Option: The customer pays all costs associated with the renewable resource. This impacts a customer's existing rate structure by creating new cost and benefit streams resulting from the renewable resource.
	When a resource is not generating, the customer takes service from Idaho Power at their standard rates. When the resource is generating, the customer pays for all of the generation output at an agreed-upon price. Customer receives a credit for energy and capacity value of the resource. If renewable generation exceeds the customer's energy use in a given hour, the customer is credited for that excess at a negotiated value. Customer continues to pay all fixed costs in the customer's energy rate, as well as standard rates, charges, and fees.
	Each Construction Option arrangement would be approved by the Idaho Public Utilities Commission (PUC) on a case-by-case basis.
Contract Times	• Subscription Option: 5 years, 10 years, or 20 years (as proposed)
Contract Time Commitment	<ul> <li>Construction Option: Aligned with the contract length of the procured renewable resource or negotiated</li> </ul>
Administrative Fee	Not specified
Value of RE Price Certainty	Construction Option: Customers pay an agreed-upon renewable resource price for the duration of the renewable resource contract.
	Subscription Option: Idaho Power
Procurement Lead	<ul> <li>Construction Option: Customers have the ability to work with Idaho Power to select a renewable resource</li> </ul>
Bundled RECs Management	<ul> <li>Subscription Option: Idaho Power retains and retires the RECs</li> </ul>
	<ul> <li>Construction Option: Customer can choose to take ownership of the RECs or have Idaho Power retire RECs on the customer's behalf</li> </ul>
Aggregation of Customer Facility Demand	N/A
Impact on Net Metering	Net metering customers may participate in the Subscription Option
<b>RE Facility Eligibility</b>	Renewable resources must connect to Idaho Power
PUC Process/Timeline	Proposed December 2, 2021
	40 MW deal with Micron announced in March 2022
Status/RE Deals Signed	Special contract with Meta for new data center (IPC-E-21-42, pending PUC approval)
	Customers can submit a form online to learn more about the program or email CleanEnergyYourWay@idahopower.com
Docket Information	IPC-E-21-40
Utility Website	<u> Proposed Clean Energy Your Way – Idaho Power</u>

### Missouri

MISSOURI – AMEREN MISSO	DURI
Tariff Name	Renewable Solutions Program
Tariff Type	Rider; Subscription product
Pilot Size/Period	Phase 1: 150 MW solar project
	<ul> <li>Customers served under service classifications 3(M) — Large General Service, 4(M) — Small Primary Service, and 11(M) — Large Primary Service</li> </ul>
	<ul> <li>Customers served under 1(M) or 2(M) if the 1(M) or 2(M) Customer is an affiliate of a 3(M), 4(M), or 11(M) Customer</li> </ul>
	Any accounts associated with governmental entities
Tariff/Contract Structure	Customer enters into an RSP Agreement with Ameren Missouri for a term of 15 years. Customer may subscribe in single percentage increments, up to 100% of the customer's annual usage.
Customer Cost Structure	Subscribers will be charged a set rate per kilowatt and receive a credit for each kWh produced by the facility, based on their share of the facility's capacity.
	<ul> <li>For Phase 1: Charge in year one is \$8.27/kW, escalating by 1.25% each year over the 15-year subscription term (\$9.84/kW in year 15).</li> </ul>
	Pricing for future phases of the program will be approved by the Public Service Commission.
Administrative Fee	Not specified
Value of RE Price Certainty	Customers lock in contract price at the time of subscription. Renewable Solutions ensures price certainty with no market risk.
Procurement Lead	Ameren Missouri will own and operate the facility. Ameren has requested approval to acquire a 150 MW solar facility being developed by Invenergy.
Bundled RECs Management	RECs will be tabulated monthly and retired by Ameren on behalf of customers semi-annually.
Contract Time Commitment	15 years
	Customers may transfer their subscription to another customer or may terminate their subscription by paying a termination fee.
Aggregation of Customer Facility Demand	Not specified
Impact on Net Metering	Customers participating in net metering may subscribe based on net load.
	New wind or solar resources
RE Facility Eligibility	150 MW solar project (Boomtown Solar Project) planned in Southern Illinois for Phase 1

MISSOURI – AMEREN MISSOURI (CONTINUED)	
Commercial Risk Management	The charge and credit rates will remain as defined in the tariff throughout the subscription. The program was designed so that subscribers are not subject to market price risk.
PUC Process	<ul> <li>Filed with the Missouri Public Service Commission in July 2022</li> <li>Ameren Missouri targeting approval by spring 2023</li> </ul>
Status/RE Deals Signed	The Phase 1 150 MW project has been fully subscribed for its first 15 years of operation. Seven organizations announced they are participating in the program: Bi-State Development, bioMérieux, Emerson General Motors, Mastercard, SSM Health, and Walmart. An additional 119 MW has been wait-listed by customer subscription requests that could not be fulfilled by Phase 1.
Docket Information	EA-2022-0245
Utility Website	Renewable Solutions – Ameren Missouri



## North Carolina

DUKE ENERGY PROGRESS)		
Tariff Name	Green Source Advantage Choice (GSA Choice) Program	
Tariff Type	Rider; Subscription product or Sleeved PPA	
Program Size/Period	Up to 4,000 MW	
Customer Eligibility	<ul> <li>Designed for large commercial and industrial customers</li> <li>Renewable energy offering: Customers with a Maximum Annual Peak Demand of at least 1 MW or aggregated Maximum Annual Peak Demand at multiple service locations in Duke Energy's North Carolina service territories of at least 5 MW.</li> <li>Energy storage option: Customers with a Maximum Annual Peak Demand of at least 15 MW or an aggregated Maximum Annual Peak Demand at multiple service locations of at least 30 MW</li> </ul>	
Tariff/Contract Structure	<ul> <li>Renewable Energy Offering: Allows large-load customers to contract with Duke Energy for locally sourced Clean Energy Environmental Attributes (CEEAs) from utility-owned generation assets and third-party-owned generation assets or through a three-party agreement between Duke Energy, a renewable developer, and the customer — in the same manner as the existing GSA Program.</li> <li>The CEEAs will be sourced from up to 2,200 MW of utility-owned generation and up to 1,800 MW of third-party-owned generation assets.</li> <li>Customers will have the option to either request that the company provide CEEAs through Duke's Available Renewable Energy Resources or identify and propose a "GSA Facility" developed by another renewable supplier.</li> <li>GSA Facility PPA option: Customers can identify and propose a facility developed by a third-party renewable supplier and negotiate price terms directly with the renewable supplier. Maximum facility size of 80 MW(ac). Limited to 250 MW in a given calendar year.</li> <li>Customers may subscribe up to 100% of their energy consumption. Program capacity will be available on a first-come, first-served basis.</li> <li>Energy storage or other clean energy technology option: Allows customers to virtually time-align their energy usage with renewable or clean energy storage or other clean energy resources. Customers can partner with Duke Energy on a grid-scale energy storage or other clean energy torage or other clean energy torage or other clean energy resources.</li> </ul>	

NORTH CAROLINA – DUKE DUKE ENERGY PROGRESS)	ENERGY (DUKE ENERGY CAROLINAS AND (CONTINUED)
	Renewable Energy Offering:
	• Customers who select the Available Renewable Energy Resources option would pay their primary rate schedule and any other applicable riders, plus the sum of the following:
	<ol> <li>a CEEA charge, based on market rates for such attributes or their equivalents at the time of execution of the customer agreement (factoring in the specified contract term)</li> </ol>
	2. the GSA Choice administrative fee, which shall not exceed 20% of the cost of the CEEAs
	<ul> <li>Customers who select the GSA Facility PPA option would pay their primary rate schedule and any other applicable riders, plus the sum of the following:</li> </ul>
	<ol> <li>the GSA Choice Product Charge (Equal to the price negotiated between the customer and the renewable supplier)</li> </ol>
	2. the GSA Choice Bill Credit (with option between an avoided cost bill credit or hourly rate bill credit), and
	3. the GSA Choice Administrative Charge
	Energy storage or other clean energy facility option: The cost will be shared proportionately between Duke Energy and the customer. Duke Energy will be responsible for the costs of the resource for use by the utility for system needs, while the participating customer is responsible for all other costs. Customer may elect to pay for their portion as an up-front "Contribution-in-Aid-of-Construction" or be billed over time through a levelized demand charge payment.
Contract Time Commitment	5, 10, 15, or 20 years
Administrative Fee	\$2,000 non-refundable application fee
Procurement Lead	<ul> <li>Available Renewable Energy Resources: Duke Energy-owned renewable facilities or two-party PPAs with Duke Energy</li> <li>GSA Facilities PPA: three-party PPA with the project developer, Duke</li> </ul>
	Energy, and customer; customer identify and propose a facility developed by a third-party renewable supplier and negotiate price terms directly with the renewable supplier
Bundled RECs Management	RECs will be retired on behalf of participating customers
Aggregation of Customer Facility Demand	Aggregation of facility demand is allowed
Impact on Net Metering	Not specified
RE Facility Eligibility	Renewable Energy Offering: Resources located within Duke Energy's balancing authority areas
	GSA Facility PPA option: maximum facility size of 80 MW(ac)
PUC Process	Proposal filed January 27, 2023
Enrollment Status	N/A
Docket Information	Docket Nos. E-7, Sub 1289 and E-2, Sub 1314
Utility Website	Renewables and EV Emerging Renewable Programs

### Oregon

OREGON - PACIFIC POWER	
Tariff Name	Nonresidential Accelerated Commitment Tariff, Schedule 273
Tariff Type	Tariff; Subscription product (with a market value)
	Procurement cap of 175 average MW
Program Size/Period	(Equal to approximately 580-875 MW of nameplate capacity, depending on the capacity factor of the renewable resources)
Customer Eligibility	Nonresidential customers with total aggregated electric load of at least 30 kW, based on annual peak load. Customer is required to provide adequate credit assurances.
	Direct Access Service customers are not eligible.
Tariff/Contract Structure	Customer enters contract with PacifiCorp; PacifiCorp purchases bundled renewable energy resources and corresponding RECs to meet customer's need.
	Contract is subject to approval by the Oregon Public Utility Commission (PUC).
Customer Cost Structure	Customer is responsible for costs of the renewable resource, in addition to their current rate schedule and any applicable supplemental schedules or riders.
	The program cost will be captured through a supplemental rider that reflects all costs for the program, including administrative costs. Participant will receive a credit that reflects the system value of the energy and capacity from the new facility.
	The credit reflects the energy and capacity value, as well as integration, shaping, and firming costs. The bill credit is determined by Pacific Power, using the company's integrated resource plan portfolio-based valuation methodology. The credit value will include a risk adjustment, will be determined at the time of resource procurement, and will be fixed over the contract period.
	A risk premium, called a subscriber mismatch fee, is included for customer contracts that are shorter than the contract for the renewable resource.
Administrative Fees	Early termination fee, unless customer transfers the contract to a different delivery point within PacifiCorp's Oregon service territory
	Minimum 5 years.
Contract Time Commitment	If the term of the contract differs from the term of the renewable energy resource(s), a subscriber mismatch fee (identified in the contract) will recover all of the costs identified using the IRP portfolio-based valuation methodology to protect non-participating cost of service Customers from the mismatch between contract durations.
Procurement Lead	PacifiCorp
Bundled RECs Management	Retired by utility on behalf of participating customers, or can be transferred to customer's Western Renewable Energy Generation Information System account, to be retired by the customer directly

#### **OREGON - PACIFIC POWER** (CONTINUED) A customer can request to transfer their contract for a renewable **Customer Facility Flexibility** resource to a different delivery point or to another customer. Aggregation of Customer A customer may meet the 30 kW threshold by aggregating multiple **Facility Demand** metered delivery points under a single entity. Impact on Net Metering Not specified Renewable resources must be located within the Western Electricity **RE Facility Limitations/** Coordinating Council and delivered to PacifiCorp's system. Eligibility PacifiCorp will leverage existing competitive procurement processes to identify potential projects. PUC Process Proposed as part of rate case in March 2022 Pending approval. Customers will be able to submit an "Expression **Enrollment Status** of Interest" form. **Docket Information** Rate case: UE 399 **Utility Website** PacifiCorp's Request for General Rate Revision

### South Carolina

SOUTH CAROLINA - DUKE I	ENERGY
Tariff Name	Renewable Choice Program
Tariff Type	Tariff; Subscription product
Program Size/Period	855 MW
Customer Eligibility	<ul> <li>Standard offering: Nonresidential customers with a Maximum Annual Peak Demand of at least 1 MW or aggregated Maximum Annual Peak Demand at multiple service locations of at least 1 MW</li> <li>Energy storage option: Customers participating in an eligible renewable energy program and with a Maximum Annual Peak Demand of at least 15 MW or an aggregated Maximum Annual Peak Demand at multiple service locations in the Duke Energy Carolinas service territory of at least 30 MW</li> </ul>
Tariff/Contract Structure	<ul> <li>Two enrollment options:</li> <li>Standard offering: Allows large-load customers to purchase Clean Energy Environmental Attributes (CEEAs) from new renewable facilities owned or contracted by Duke Energy. CEEAs include RECs and a carbon-offset attribute. Customers will be able to subscribe up to 100% of their energy use and receive the environmental attributes associated with their participation in the program. The program will have a maximum capacity of 855 MW, including 495 MW of utility-owned renewable energy facilities and 360 MW of facilities developed by third parties. Capacity will be available on a first-come, first-served basis.</li> <li>Energy storage option: Eligible customers may partner with Duke Energy on a grid-scale energy storage facility, or a portion of a grid- scale opergy storage facility owned and operated by Duke Energy</li> </ul>
Customer Cost Structure	<ul> <li>Standard offering: Customer pays a CEEA charge based on current rates on the tradeable market of solar RECs at the time of service agreement execution. Customer also pays a Renewable Choice administrative fee, which shall not exceed 20% of the cost of the CEEAs.</li> <li>Energy storage option: The cost of the energy storage facility will be shared proportionately between Duke Energy and the customer, with Duke Energy responsible for the system value, and the customer is responsible for all other costs. Customer may elect to pay for their portion of the cost as an up-front "Contribution-in-Aid-of-Construction" or be billed over time through a levelized demand charge payment.</li> </ul>
Contract Time Commitment	5, 10, 15, or 20 years
Administrative Fee	\$2,000 application fee
Procurement Lead	Duke Energy
Bundled RECs Management	RECs and carbon-free attributes are retired on behalf of participating

SOUTH CAROLINA – DUKE ENERGY (CONTINUED)	
Aggregation of Customer Facility Demand	Aggregation of facility demand is allowed
Impact on Net Metering	Not specified
RE Facility Eligibility	Renewable energy resources must be located within Duke Energy's balancing authority. Capacity and CEEAs for the program will be sourced from up to 495 MW of utility-owned generation and up to 360 MW of third-party-owned generation assets.
PUC Process	Proposal filed October 5, 2022
Enrollment Status	Contact: customerrenewableprograms@duke-energy.com
Docket Information	<u>SC Docket No. 2022-326-E</u>
Utility Website	Proposed Emerging Renewable Programs



### Texas

TEXAS – ENTERGY TEXAS	
Tariff Name	Green Future Option (Schedule GFO)
Tariff Type	Rider; Subscription product
Program Size/Period	120 MW available for commercial and industrial customers beginning in 2024
	Up to 525 MW available for commercial and industrial customers beginning in 2026
Customer Eligibility/	Open to all customer classes with metered service accounts in good standing.
Limitations	Entergy proposed a 30 MW cap for individual nonresidential customers at the parent company level.
Tariff/Contract Structure	Customer subscribes to a portion of a renewable resource for at least one year in 1 kW increments (minimum subscription level of 1 kW).
Customer Cost Structure	• In addition to standard rate, customer pays a fixed monthly charge based on their portion of the solar resource capacity and receives a variable bill credit based on their share of MISO energy revenue from the facility. This will result in either a net cost or net credit on the customer's monthly bill. Customers are more likely to receive a net credit in the summer months when solar resources produce more energy and MISO locational marginal prices tend to be higher.
	<ul> <li>Proposed subscription charge for initial offering: \$6.50/ kW-month.The subscription charge for future GFO offerings will be different from this original resource group.</li> </ul>
Contract Time Commitment	Minimum term of 1 year. Subscription is automatically extended for one-year periods until terminated by the customer.
Administrative Fee	Not specified
Procurement Lead	Entergy Texas
Bundled RECs Management	Retired by Entergy on behalf of participating customers
Aggregation of Customer Facility Demand	N/A
Impact on Net Metering	This schedule is not available for customer accounts taking service under rate schedule SQF or LQF.
<b>RE Facility Eligibility</b>	Renewable resources within southeast Texas
PUC Process	Submitted as part of rate case on July 1, 2022 Pending approval
Enrollment Status/RE Deals Signed	First offering: All 120 MW for commercial and industrial customers available beginning in 2024 have been fully subscribed. Up to 525 MW will be available for commercial and industrial customers beginning in 2026. Customers can reserve a place in the program by submitting a reservation agreement. The enrollment period to submit a reservation agreement for the GFO program will run through January 6, 2023, or until fully subscribed. The program is based on a first-come, first-served basis. All enrollments are contingent upon approval of the GFO program by the Texas PUC and the amount of available capacity from eligible resources.
Docket Information	Docket No. 53719
Utility Website	Green Future Option

## NEWLY IDENTIFIED PROGRAMS APPROVED PRIOR TO DECEMBER 2020

### Indiana

INDIANA – INDIANA MICHIGAN POWER	
Tariff Name	IM Green Rider (renamed to GoGreen Program), Customer Agreement Option
Tariff Type	Rider; Sleeved PPA
Pilot Size/Period	Not specified
Customer Eligibility	Available to customers taking metered service under the Industrial Power (IP) and Contract Service Interruptible Power (CS-IRP2) tariffs, or multiple General Service and/or Large General Service tariff accounts with common ownership under a single parent company that can aggregate multiple accounts to exceed 1,000 kW monthly peak demand over a 12-month average.
Tariff/Contract Structure	Customer works with Indiana Michigan Power to directly purchase the electrical output and associated environmental attributes from a renewable resource through a tailored contract. The contracts must receive state regulatory approval.
Customer Cost Structure	Charges for service under the Customer Agreement Option will be set in the written agreement between the utility and the customer. Charges will reflect a combination of the tariff service rates otherwise available to the customer and the cost of the renewable energy being contracted.

### INDIANA - INDIANA MICHIGAN POWER (CONTINUED)

Contract Time Commitment	Minimum of one year
Procurement Lead	Customer works with Indiana Michigan Power
Bundled RECs Management	RECs retired on behalf of the customer
Impact on Net Metering	Not specified
PUC Process	Filed as part of rate adjustment case on May 14, 2019 (consolidated previous renewable energy options into a single revised voluntary renewable program called IM Green) Approved March 11, 2020
Enrollment Status	For more information about the Custom Agreement Option, email IMGreen@aep.com
Docket Information	<u>Cause No. 45235</u>
Utility Website	<u>Go Green At Work In Indiana</u> Schedule of Tariffs

## Michigan

MICHIGAN - INDIANA MI	CHIGAN POWER
Tariff Name	IM Green Program (renamed GoGreen Program), Bring Your Own Contract option
Tariff Type	Tariff; Sleeved PPA
Program Size/Period	Not specified
Customer Eligibility	Available to customers taking metered service under the Industrial Power (IP) and Contract Service Interruptible Power (CS-IRP2) tariffs, or multiple General Service and/or Large General Service tariff accounts with common ownership under a single parent company that can aggregate multiple accounts to exceed 1,000 kW monthly peak demand over a 12-month average.
Tariff/Contract Structure	Standard Program option: Customers purchase RECs from Indiana Michigan Power's renewable resources (not detailed in this report).
	Bring Your Own Contract option: Customer works with Indiana Michigan Power to directly purchase the electrical output and associated environmental attributes from a renewable resource through a tailored contract.
	• The customer submits request for service under this option, and Indiana Michigan Power will provide a written offer containing rates and related terms, and conditions of service.
	• Written contract must be approved by the Michigan Public Service Commission.
Customer Cost Structure	Charges for service under the Bring Your Own Contract option will be set in the written agreement between Indiana Michigan Power and the customer. Charges will reflect a combination of the firm service rates otherwise available to the customer and the cost of the renewable energy being contracted.
Contract Time Commitment	Determined in written agreement between customer and the utility
Procurement Lead	Customer works with Indiana Michigan Power.
Bundled RECs Management	RECs retired on behalf of the customer
Impact on Net Metering	Not specified
PUC Process	In December 2019, the utility filed an application that introduced new programs to expand the portfolio of program options under IM Green (including the Bring Your Own Contract option; approved September 10, 2020).
Enrollment Status	For more information, email GoGreen@aep.com.
Docket Information	Case No. U-18353
Utility Website	<u>Go Green At Work In Michigan</u> Michigan Rate Book

### Tennessee

TENNESSEE – TENNESSEE VALLEY AUTHORITY (TVA)	
Tariff Name	Green Invest
Tariff Type	Rider; Sleeved PPA model
Program Size/Period	No program-wide cap. Individual Green Invest projects are 2 to 500 MW in size.
Customer Eligibility	Available to local power companies, direct served customers, and business and industry customers across TVA's service territory. The minimum customer commitment is 1 MW.
Tariff/Contract Structure	TVA has a direct PPA with a developer for a new renewable project and the RECs are sold via a separate agreement to the Green Invest customer. Under the Green Invest framework, the RECs have a fixed price for the term of any tranche that is agreed upon, which is a rider on top of the power contract.
	The program matches customer demand for renewable energy to new utility-scale solar projects in the Tennessee Valley by leveraging a competitive procurement process. Customers sign a nonbinding agreement called the Green Invest Agreement, which commits them to the process and establishes the rules of the Green Invest transaction. There is no financial obligation with the Green Invest Agreement. The agreement enables customers to view a curated short list of commercially viable projects from TVA's annual RFP. Collaboratively, TVA, local power companies, and end-use customers identify sites that align with the customer's goals and preferences. Once a site is selected, the parties work to execute a Tranche Amendment. The Tranche Amendment commits the customer to the project, details information about the site, and initiates the customer's financial obligation. Concurrently, TVA will execute a PPA with a developer for the specific site. TVA will procure the renewables to meet up to 100% of a customer's load, and the customer will purchase the as-generated RECs from the new renewable project.
Customer Cost Structure	Under the Green Invest framework, the RECs have a fixed price for the term of any tranche that is agreed upon, which is a rider on top of the customer's power bill.
Administrative Fee	TVA charges an administrative fee that escalates each year. Additionally, local power companies may charge an administrative fee to cover the administrative tasks they perform to offer the program. The fees and escalation amounts are included in the Green Invest Agreement.

IENNESSEE – IENNESSEI	E VALLEY AUTHORITY (IVA) (CONTINUED)
Contract Time Commitment	15 to 20 years, consistent with the term of the related PPA
Value of RE Price Certainty	Provides long-term REC price stability
Procurement Lead	The customer works with a local power company and TVA. TVA pairs large customers with renewable developers through a competitive bid process.
	TVA issues an annual RFP for utility-scale, in-Valley new renewable projects. Once TVA receives the bids for the RFP, it compiles a list of the most commercially viable options. TVA reviews the list with the customers that have an executed Green Invest Agreement. Collaboratively, TVA, local power companies, and end-use customers identify sites that align with the customer's goals and preferences.
<b>REC Management</b>	RECs are retired on behalf of the Green Invest customer.
Aggregation of Customer Facility Demand	Customers can aggregate demand to meet the minimum eligibility requirement. Currently, the aggregation must occur within the same local power company service area.
Impact on Net Metering	N/A
RE Facility Eligibility	New renewable energy projects across TVA's seven-state service territory (which includes most of Tennessee and parts of Alabama, Georgia, Kentucky, Mississippi, North Carolina, and Virginia)
Approval Process	Created in 2018; approved by TVA's board
Enrollment Status/RE Deals Signed	Current program participants include Meta (450 MW), Google, General Motors, Jack Daniel's (30 MW), Vanderbilt University (60 MW), Knoxville Utilities Board (500 MW), DENSO, and Starkville Utilities.
Website	Green Invest

### Wisconsin

WISCONSIN – ALLIANT ENERGY (OPERATING AS WISCONSIN POWER AND LIGHT)	
Tariff Name	Renewable Energy Partner Program (Rider REP)
Tariff Type	Rider; Sleeved PPA model
Program Size/Period	Capped at 150 MW of existing customer load
Customer Eligibility	Open to any customer served under a commercial or industrial rate schedule
Tariff/Contract Structure	Customers sign a contract with Wisconsin Power and Light (WPL) to purchase all or a portion of its electricity from a designated renewable resource. Participating customers are eligible for bill credits for the energy produced under the individually negotiated contract.
	Once WPL receives a request from an interested customer, it will initiate discussions with the customer to determine whether mutually agreeable terms can be reached. It will confirm that the terms do not harm other utility customers.
	The contract with Alliant Energy includes details about the dedicated renewable resource, contract agreement term, costs, and estimated capacity value. Final contracts must be approved by the Public Service Commission of Wisconsin.
Customer Cost Structure	Participating customers pay for the cost of the dedicated renewable resource and receive a bill credit for the renewable energy generation specifically for the customer. The bill credit is based on energy production and MISO energy market prices. Specific rates will be defined in the customer contract.
	Standard service rate applies. Renewable energy purchases under this rider are exempt from fuel cost surcharges and credits.
Administrative Fee	Administrative costs are included in the customer contract.
Contract Time Commitment	Not specified; determined in customer contract
Procurement Lead	Alliant Energy builds and owns a dedicated renewable energy project.
Bundled RECs Management	RECs are assigned to participating customers.
Aggregation of Customer Facilities	An eligible customer with multiple accounts may aggregate any of its eligible accounts under a single contract with WPL.
Impact on Net Metering	Not specified
Renewable Facility Eligibility	Not specified
	Filed February 18, 2019
PUC Process	Approved July 19, 2019
Status/RE Deals Signed	5 MW solar project deal with Mercury Marine in July 2022
	Enrollment: Once WPL receives a request from an interested customer, it will initiate discussions with the customer to determine whether mutually agreeable terms can be reached that do not harm other utility customers.
Docket Information	<u>6680-TE-104</u>
Utility Website	Alliant Energy Renewable Energy Partner

### AGGREGATION OF CUSTOMER FACILITY DEMAND

Determines whether customers are permitted to aggregate accounts to reach minimum participation threshold requirements.

### GS

General service.

### MISO

Midcontinent Independent System Operator, the Independent System Operator (ISO) and regional transmission organization providing open-access transmission service and monitoring the high-voltage transmission system in the Midwest United States; Manitoba, Canada; and a southern United States region that includes much of Arkansas, Mississippi, and Louisiana.

### NET METERING

A billing mechanism that credits customers supplying surplus solar or other renewable energy from on-site projects to a utility's electric grid.

### РЈМ

Pennsylvania-New Jersey-Maryland Interconnection, the Independent System Operator and regional transmission organization that coordinates the wholesale electricity in parts of 13 Mid-Atlantic and Midwestern states and Washington, D.C.

### PPA

Power purchase agreement.

### **PROCUREMENT LEAD**

Identifies which party (for example, the utility or the customer) leads the relationship with the developer and initiates the renewable energy project negotiations.

### PUC

State Public Utility Commission (or Public Service Commission) that regulates electric utilities in a given state.

### RE

Renewable energy.

### **RE FACILITY ELIGIBILITY**

Identifies what type of renewable facilities may be used for the green tariff program. Resources that serve the program may be limited by factors such as technology type, size, location, and whether the project is a new or existing resources.

#### REC

Renewable energy certificate, a marketbased instrument that represents the rights to the environmental attributes of renewable electricity generation. One REC represents one megawatt-hour (MWh) of electricity generated from a renewable resource.

#### RIDER

Additional rate applied to an electricity tariff.

#### RPS

Renewable Portfolio Standard, a regulation that requires electricity suppliers to provide a minimum share of electricity from eligible renewable resources.

### TARIFF

Electricity price, and price structure, charged to utility customers.

### TRANCHE

A specific set of resources and customer terms offered as a portion of a larger green tariff program.

### ADDITIONAL RESOURCES ON GREEN TARIFFS

CEBA. 2020. "U.S. Electricity Markets: Utility Green Tariff Update December 2020." https://cebuyers.org/us-electricity-markets-utility-green-tariff-update/

Barua, P. 2017. "Implementation Guide for Utilities: Designing Renewable Energy Products to Meet Large Energy Customer Needs." Working Paper. World Resources Institute. http://www.wri.org/publication/implementation-guide-green-tariffs.

### ABOUT THE CLEAN ENERGY BUYERS ASSOCIATION

The Clean Energy Buyers Association (CEBA) activates a community of energy customers and partners to deploy market and policy solutions for a carbon-free energy system. CEBA's aspiration is to achieve a 90% carbon-free U.S. electricity system by 2030 and cultivate a global community of customers driving clean energy. To join CEBA or learn more about the organizations participating in the CEBA community, visit **www.cebuyers.org.** 



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