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Honda Supplier's Guide to Utility-Scale Renewable Energy Procurement In the United States

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Contributor Credits:

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Please note that all information in this report is based on publicly available information. Information is current as of August 18, 2023.

Guidance for Readers:

This report points readers to the resources they need to pursue clean energy procurement in any U.S. state. It offers a deep dive into clean energy programs offered by utilities in the 15 states that are most common to Honda suppliers. If any readers are looking for guidance on programs that are not covered in this report or are looking for additional support on conducting or analyzing power procurements, Edison Energy's advisory team can be hired for consulting services. The team can be reached at hondagreenexcellence@edisonenergy.com.

About Edison Energy:

Edison Energy LLC (DBA in Europe as Altenex Energy and Alfa Energy) is a global energy and sustainability advisory firm that provides strategy and implementation services to help large corporate, industrial, and institutional clients navigate the transition to a net-zero future. With the recent integration of Edison, Altenex, and Alfa into one global company, we bring the strength of combined expertise across energy procurement, optimization, renewables, and sustainability solutions. Our advanced technological capabilities and expanded international reach enables our clients to achieve more positive, measurable impact.

Edison by the numbers: 45 Global Fortune 500 clients; 11.2+ GW of offsite renewable procurement; $10BN+ in energy spend managed; 30+ countries served; 20+ languages spoken. For more information, visit www.edisonenergy.com.

Table of Contents

Introduction

As a growing number of wind and solar projects come online in the U.S., buyers have more options than ever before to power their operations with renewable energy. However, buyers may find it challenging to find the right opportunity to procure renewable energy, as options vary geographically, and often by utility.

This guide serves as a decision support tool to help buyers evaluate and navigate their options for purchasing renewable energy at scale. Buyers may also have the option to build their own renewable energy project at their facility, with specific guidance available in a separate publication, *Honda Supplier's Guide to On Site & Community Solar in the United States.*

How to Use This Guide

This guide first reviews several fundamental concepts that drive the availability of renewable energy options for U.S. customers. Then, it offers a decision tree that enables suppliers to understand what their renewable energy procurement options look like for each of their locations in the U.S.

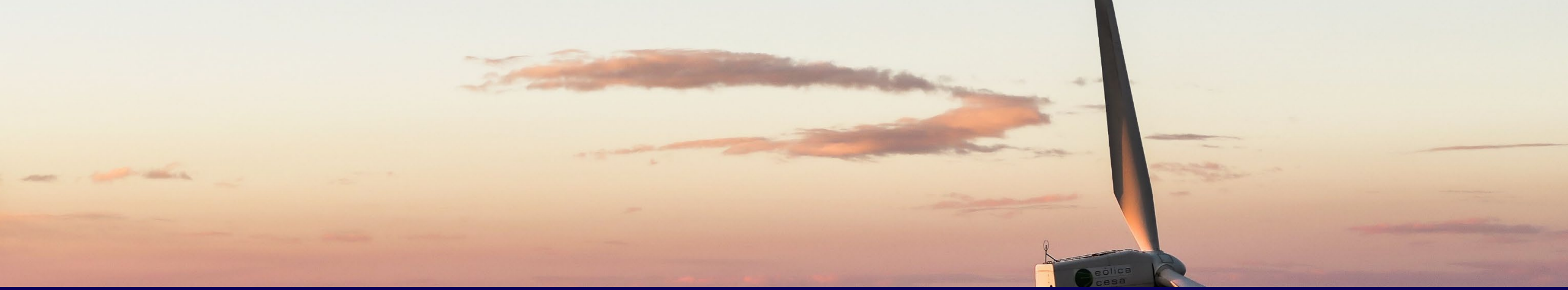
It includes detailed guidance on the large utility renewable energy options available in the top 15 states most common to Honda suppliers. For the remainder of the states, there is higher-level guidance on options available in each state, and how to research the finer details.

At a high level, the side-by-side comparison of various renewable energy procurement strategies are noted in **Figure 1**. This guide walks buyers through their options, ranging from the fairly simple, short-term renewable energy option of purchasing RECs on their own, to the more complex but highly impactful approach of contracting a long-term power purchase agreement (PPA) with a large wind or solar project.

Figure 1: Comparison of Renewable Purchasing Options

	Unbundled RECs	Utility Green Pricing	Utility Green Tariffs	Virtual PPAs	Onsite Solar
Renewable Energy Claim	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Additionality Claim	**No**	**No**	**Depends**	**Yes**	**Yes**
Complexity	**Low**	**Low**	**High**	**High**	**Medium**
Term Length Commitment	**Short**	**Short**	**Long**	**Long**	**Long**

For any suppliers seeking assistance with planning their renewable energy procurement strategy, running competitive solicitations for power, or negotiating power or REC contracts, the Edison Energy team is available for consulting engagements in these areas.

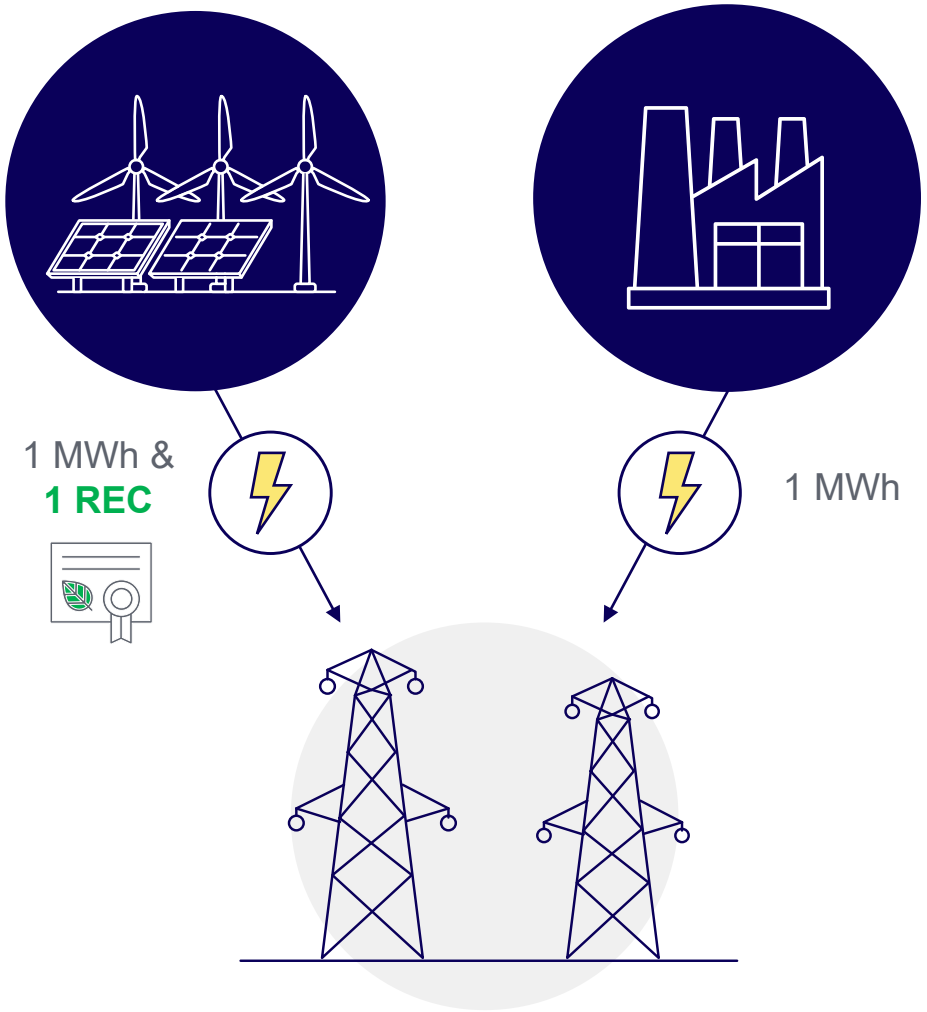


Fundamentals of Renewable Energy Procurement

The End Goal: Retiring Renewable Energy Certificates

One of the major factors motivating many buyers to purchase renewable energy is that it enables them to reduce their Scope 2 emissions as part of their carbon accounting. Emissions are reduced under carbon accounting through the retirement of renewable energy certificates (RECs). A REC is created when one megawatt-hour (MWh) of electricity is generated and delivered to the electricity grid from a renewable energy resource. By purchasing, and later retiring, a REC for every MWh of power that a buyer uses, the buyer eliminates their Scope 2 emissions.

This guide shows buyers how they can procure RECs: bundled with their electricity purchase or unbundled from electricity through a REC-only purchase.

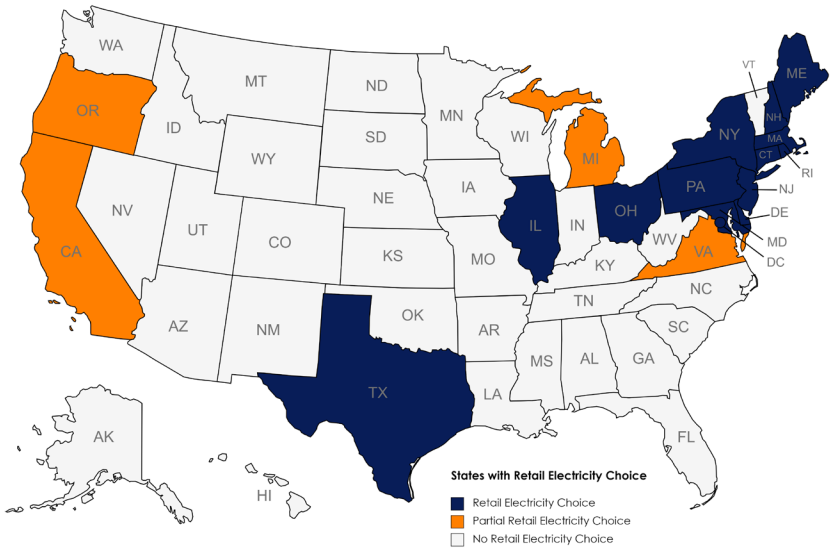


[1] For a deeper dive on RECs, see *Guide to REC Purchases*

Retail Electricity Choice

Customers in the 18 U.S. states offering full or partial retail electric deregulation can choose from whom they buy their electric power supply – their utility or one of multiple retail electric power providers. Customers in the remaining U.S. states must buy their power from their assigned utility.

Figure 2: States with Retail Electricity Choice



Customers in states with retail electricity choice likely have more options for procuring renewable energy than those in regulated areas.

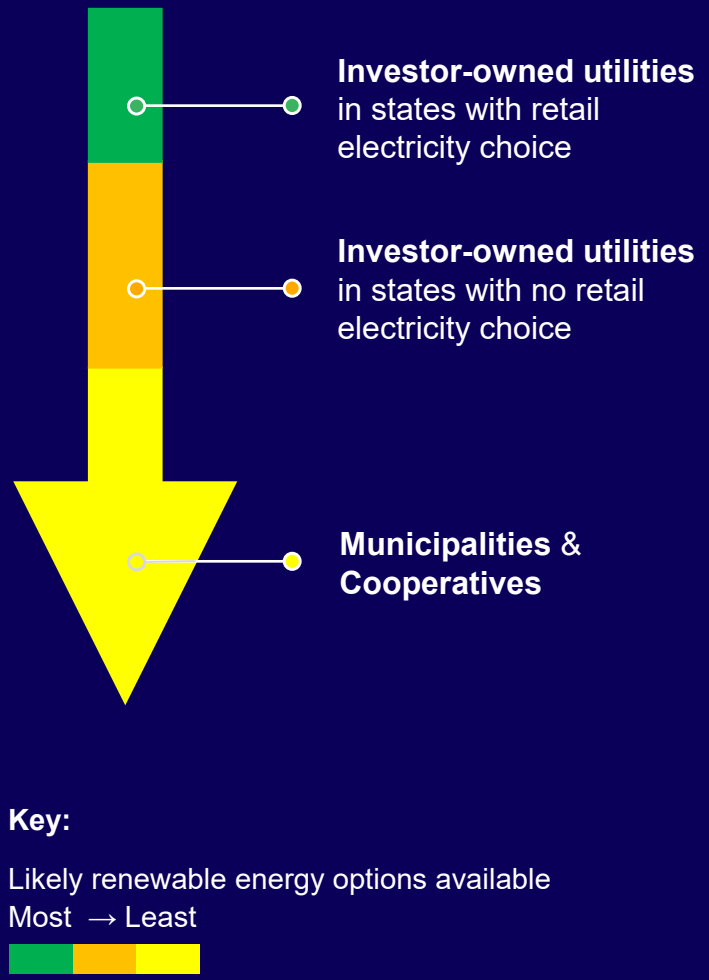
When exploring renewable energy procurement options, two major factors will influence the range of renewable energy options available to buyers: whether their location offers retail electricity choice, and what type of electric utility serves them.

Electric Utility Type

Customers are assigned an electric utility company based on their geographic location. According to the EIA, investor-owned utilities serve the vast majority of U.S. customers. Cooperatives are located throughout the country, but most prevalent in the Midwest and Southeast.

Electric Utility Types:

- **Investor-owned utilities (IOUs):** For-profit companies regulated by a utility commission
- **Municipalities (munis):** Nonprofit entities owned and operated by cities and towns
- **Cooperatives (co-ops):** Nonprofit entities overseen by a board of directors

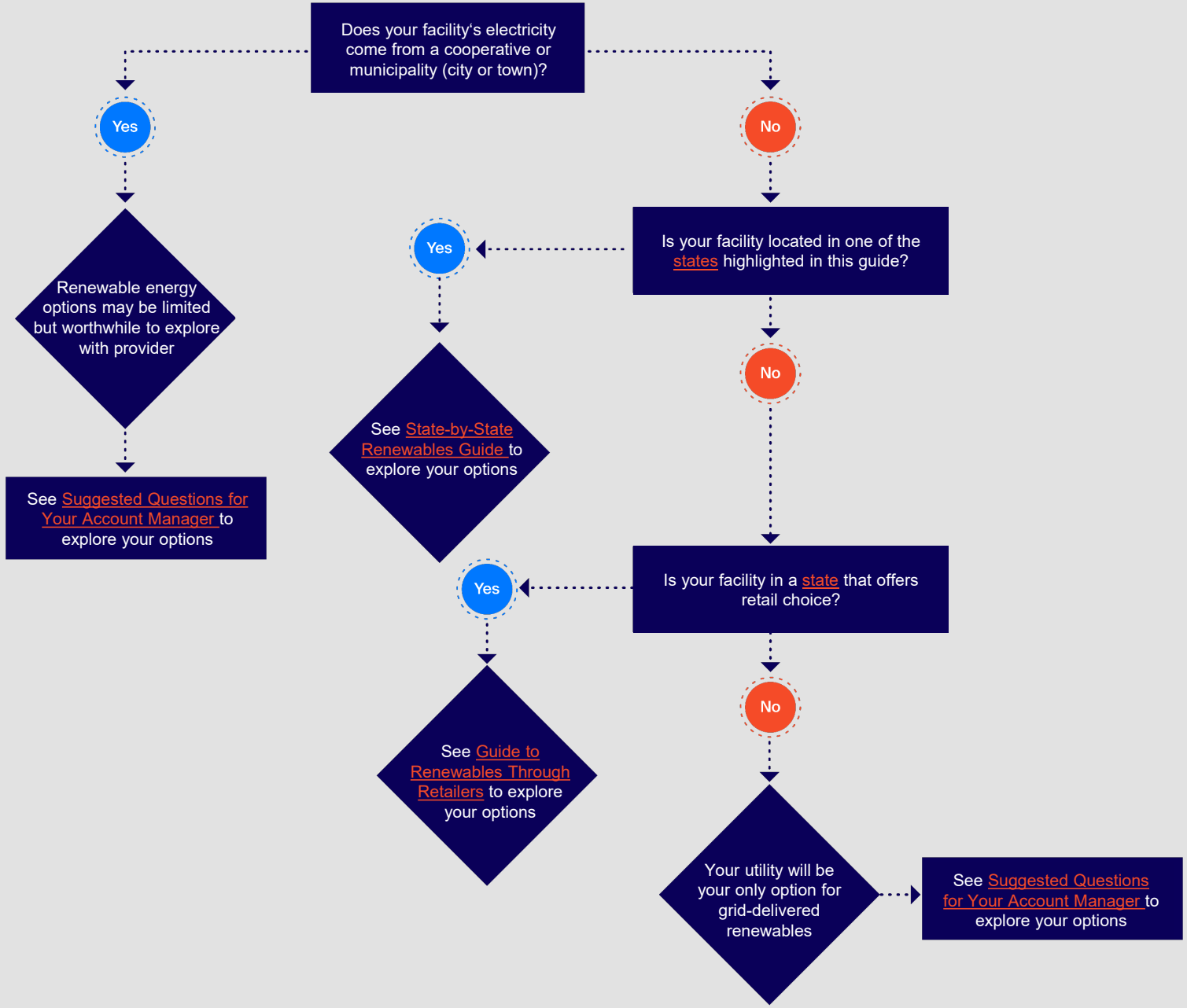


Finding Renewable Energy Options For Your Facility

Finding Renewable Energy Options for Your Facility

To use this decision tree, focus on one facility at a time and follow the question prompts. It will point you to the best resource(s) to explore the relevant renewable energy options for your facility.

Figure 3: Decision Tree for Renewable Energy Procurement



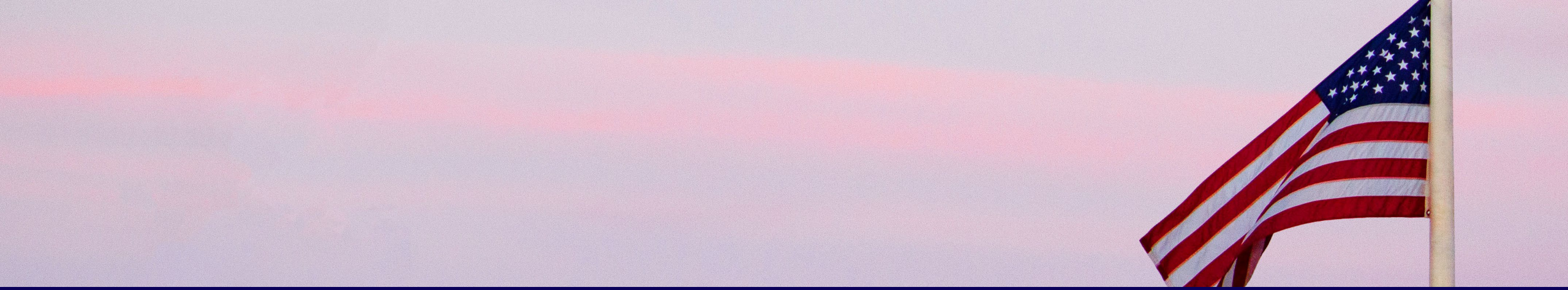
Guide to Renewables Options Through Utility Companies

Utility Companies' Renewable Energy Product Offerings

Understanding the differences between utilities' renewable energy offerings can help businesses align their purchase with their priorities.

Figure 4: Options for Procuring Renewables Through Utilities

Program Characteristics	Utility Green Pricing Programs	Utility Green Tariff Programs	Utility Community Solar Programs
Structure	A short-term commitment to purchase generic RECs	Typically, a long-term commitment to a large purchase of RECs from a specific project	A commitment to purchase energy, and sometimes RECs, from a local solar project
Environmental Impact	Enables renewable energy claims, but likely not local or project-specific	May enable buyers to take credit for adding local, green electrons to the grid	Enables local impact, though claims will be limited if RECs are not included in the purchase
Economics	Adds a fixed price per kWh or set kWh block to monthly utility bill	Adds cost to monthly bill	May offer cost savings on electricity bill
Marketing Value	No claims to a specific renewable energy project	Enables claims to power from a specific renewable energy project	Enables claims to a local project
Time Horizon	Often month-to-month or one-year contract	Multi-year commitment; often up to 20-year contracts	Variable: up to 20-year commitments
Scalability	Potential to cover 100% of a buyer's electricity	Potential to cover 100% of a buyer's electricity; utility may limit how much load per customer can be subscribed	Potential to cover 100% of a buyer's electricity; not available through all utilities

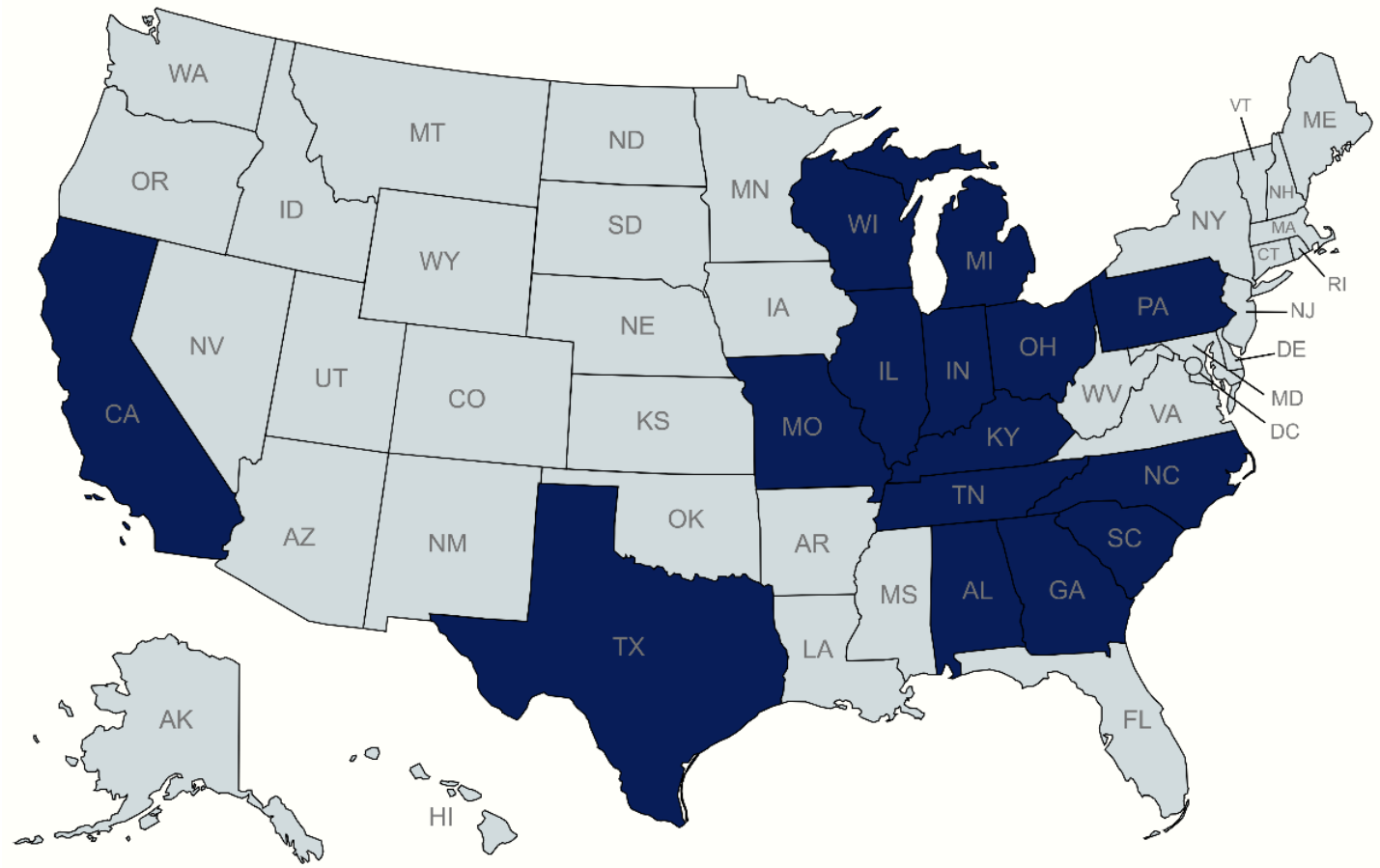


State-By-State Renewable Energy Procurement Guide

Methodology and Assumptions

Indicative Economics	• Program charges and credits included in $/kWh, if available • Assume any listed charges are in addition to current electricity tariff • Most green tariff programs do not share pricing; Contact utility representative to determine pricing
Carbon Impact & Asset Location	• Potential ability to make additionality claims from programs participation • REC ownership included if stated in program materials • Asset location and type to demonstrate local connection to sustainability claims
Capacity Limits	• Capacity limits include volume of energy that can be procured through the program • Listed as a percentage of total consumption behind utility or volume in MW
Timeline and Term Length	• Description of program availability for enrollment • Term length, if provided • Potential timeline for asset completion; REC delivery
Eligibility	• Stated program eligibility requirements by class, demand, consumption, or tariff • Meter aggregation information, if available
Notes	• Additional program information; may include potential fees, future expansion, new programs, or other unique program characteristics • Green-e REC certification listed if available

State-by-State Renewable Energy Procurement Guide



Alabama	California
Georgia	Illinois
Indiana	Kentucky
Michigan	Missouri
North Carolina	Ohio
Pennsylvania	South Carolina
Tennessee	Texas
Wisconsin	

Alabama

Energy Market	Summary
Regulated Retail Market	**Alabama** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Alabama will need to explore renewable energy options through their utility or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Alabama Power offers a green pricing program, Greener State, as well as a green tariff, under the Utility-Scale Solar Program.
Retail Programs	Retail programs are not available in Alabama.
PPAs	Depending on several factors, buyers may be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

California

Energy Market	Summary
Partially Deregulated Retail Market	**California** is unique in that it is a partially deregulated retail electricity market. California offers two pathways to retail choice, Community Choice Aggregation (CCA) and Direct Access. CCA allowed cities or counties to become the energy provider for residents and businesses, but customer can opt to stay with the utility. Direct Access allows non-residential customers to purchase electricity from retail providers, but an annual cap limits who can join.
Renewable Procurement Options	
Utility Programs[1]	Currently, there are no green tariffs offered by any California IOUs, as a state mandated program was recently allowed to expire. Utilities are likely to propose new programs in coming years and should be monitored.
Retail Programs	CCA programs often work to procure more clean energy than is available through IOUs. Direct Access is available through a lottery system and allows businesses to contract with retail providers that may offer clean options.
PPAs	Depending on several factors, buyers may be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Alabama Power

	Greener State (Green Pricing) Available	New Renewable Energy Projects (Green Tariff) Available to Enroll
Indicative Economics	Leaf Plan for Business: $100/month for 80,000 kWh block Tree Plan for Business: Negotiate rates to meet 50% of usage Forest Plan for Business: Negotiate rates to meet 100% of usage Custom Plan for Business: Negotiate rates to meet certain percentage of usage or procure specific amount of RECs	Monthly subscription fee added to regular monthly bill, customer receives a monthly energy credit based on the company's hourly energy rate Contact Alabama Power for contract process and structure
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Solar, wind, or biomass energy based on plan/contract	Additionality claims RECs retired on customer's behalf New renewable asset determined during contracting
Capacity Limit	Depends on plan selection	Up to 100% of load
Timeline + Term Length	Available now, annual purchase split into 12 equal payments	Available now; long-term contract term (typically 15 years) Contact Alabama Power for more information regarding timeline and contract term
Eligibility	Business plans available to non-residential customers; residential programs offered separately	Available to commercial and industrial customers
Notes	RECs are likely not Green-e certified Must be existing accountholder to participate	
Website and Contact	Renewables | Future of Energy Business - Greener State Terms and Conditions - Greener State	Sustainability Solutions for Businesses Business Contact Us

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California - Green Tariff Shared Renewables Program

Southern California Edison, Pacific Gas & Electric, San Diego Gas & Electric

In 2013, California passed legislation that enacted the Green Tariff Shared Renewables Program (GTSR), to be implemented by the state's investor-owned utilities under the director of the California Public Service Commission (CPUC). The program was intended to expand access to renewable for residents and small businesses that may not be able to invest in onsite solar.

The program was officially launched in 2016 and saw some enrollment over the years, but due to complex rules and legislative requirements that limited which assets could participate, total participation fell well short of the 600 MW cap. After it became clear that alternatives such as community choice aggregators and direct access were better options, utilities proposed to shutter the GTSR program.

In 2022, legislation was passed that granted the utilities permission to terminate their GTSR programs after April 1, 2023. All three participating utilities have since terminated their GTSR programs and are no longer accepting enrollment. It is expected that further CPUC action will allow the IOUs to propose their own programs that would replace GTSR in coming years. Customers in SCE, PG&E, and SDG&E territory should continue to monitor the situation and communicate with utilities representatives to stay informed on future offerings.

Updated August 2023

Georgia

Energy Market	Summary
Regulated Retail Market	**Georgia** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Georgia will need to explore renewable energy options through their utility or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Georgia Power offers several green pricing options, as well as a green tariff and community solar opportunity.
Retail Programs	Retail programs are not available in Georgia.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Georgia Power (1 of 2)

	Clean And Renewable Energy Subscription (CARES) Program (Green Tariff) Available to Enroll	Community Solar Available
Indicative Economics	Customer subscribes to a portion of Georgia Power asset; final pricing determined after RFP process **Variable Price Option:** fixed price per kWh charge based largely on the PPA supply cost, customer receives credit /kWh produced by subscribed portion of the system. **Fixed-Price Option:** fixed cost per kWh based on the current and projected value of RECs, customer does not receive credits.	$25.00 per block/per month
Carbon Impact + Asset Location	Additionality claims RECs retired on customer's behalf Asset location not specified	Potential additionality claims RECs retired on customer's behalf Georgia solar farms
Capacity Limit	Up to 100% of preceding year's total annual energy consumption or projected total annual energy consumption at the premises	Up to 10 blocks per customer
Timeline + Term Length	Available to enroll, minimum term of 10 years	Available now; initial 12-month subscription that automatically renews monthly unless canceled
Eligibility	Existing commercial and industrial customers: Annual peak demand of at least 3 MW New load: New/existing commercial and industrial customers with new load additions of at least 15 MW Around the clock (ATC) option: At least 25MW of annual peak demand, up to a 100 MW block	Available to residential customers and small business customers with monthly energy usage less than 3,000 kWh
Notes	Utility to procure 2,100 MW of renewable resources for subscription through the CARES Portfolios; two RFP processes scheduled in 2023 and 2025; 25 cents/MWh administrative fee; $5,000 Notice of Intent (NOI) application fee for new/existing customers; $10,000 NOI application fee for ATC customers	Electric service must be on the General Service (GS) rate
Website and Contact	Clean And Renewable Energy Subscription	Community Solar

Georgia

Georgia Power (2 of 2)

	Flex REC Program (Green Pricing) Available to Enroll	Simple Solar (Green Pricing) Available	Retail REC Retirement (R3) Program (Green Pricing) Available
Indicative Economics	Tier 1: First 100,000 kWh at $0.0125/kWh Tier 2: Next 150,000 kWh at $0.01/kWh Tier 3: Next 350,000 kWh at $0.0075/kWh Tier 4: Next 400,000 kWh at $0.00625/kWh Tier 5: All kWh >1,000,000 kWh/month at Contracted Market Price + 5%	$0.0125 /kWh	Customers will pay a fixed price per MWh each month. The price is based on the average cost of the current and projected value of RECs, which is set at the time of contracting and will include a 25 cents/MWh admin fee Two program options: Existing Load customers (annual peak demand of ≥15 MW) or New Load/Economic Development (50 MW min threshold)
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf National RECs	No additionality claims RECs retired on customer's behalf National RECs	No additionality claims RECs retired on customer's behalf Asset location not specified
Capacity Limit	Up to 100% of load	50% or 100% of load, not to exceed 50,000 kWh per month	Existing Load: Up to 100% of preceding year's total annual energy consumption New Load/Econ. Dev.: Up to 100% of preceding year's total annual energy consumption or projected total annual energy consumption at the premises
Timeline + Term Length	Available, minimum 6-month term, Economic Development option requires 1 to 3-year term	Available now, monthly subscription	Existing Load: Semiannual NOI periods (January & June) based on available capacity, 2-year contract New Load/Econ. Dev.: 2 to 5-year contract
Eligibility	Available to customers who purchase monthly minimum of 100,000 kWh of RECs Economic Development option available to customers who purchase at least 2,000,000 kWh monthly	Available to any customer	Available to commercial and industrial customers, two options based on load
Notes	RECs are not Green-e Certified	RECs are not Green-e Certified	RECs are likely not Green-e certified 25 cents/MWh administrative fee
Website and Contact	Flex REC G2FLEXREC@southernco.com	Simple Solar Program G2gpcsolar@southernco.com SS-2 Simple Solar Tariff	Retail REC Retirement (R3)

Updated August 2023

Illinois

Energy Market	Summary
Deregulated Retail Market	**Illinois** is a deregulated retail electricity market, meaning customers have the option to buy electricity through retail electricity providers or the utility. Retail electricity providers offer additional renewable procurements options in deregulated states, but utility options are often limited.
Renewable Procurement Options	
Utility Programs[1]	Ameren, ComEd, and MidAmerican Energy do not offer green programs.
Retail Programs	Many buyers in Illinois are eligible to procure electricity through retail power providers. See *Guide to Renewables Procurement Through Retailers*.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Indiana

Energy Market	Summary
Regulated Retail Market	**Indiana** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Indiana will need to explore renewable energy options through their utility, or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Duke Energy and Indiana Michigan Power both offer a green pricing option called GoGreen. Northern Indiana Public Service Company and AES Indiana, formerly Indianapolis Power and Light Company, offer a green pricing option called Green Power. Vectren (Center Point) does not offer green programs.
Retail Programs	Retail programs are not available in Indiana.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Northern Indiana Public Service Company

	Green Power Program (Green Pricing) Available
Indicative Economics	$0.003092 /kWh; premium will adjust once per year
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf National RECs
Capacity Limit	5%, 10%, 25%, 50%, or 100% of monthly electric usage for commercial and industrial customers
Timeline + Term Length	Available now; no contract or minimum term, termination of participation is effective immediately
Eligibility	Available to any customer
Notes	RECs are Green-e certified
Website and Contact	Green Power cnb@nisource.com

Updated August 2023

Duke Energy

	GoGreen Program (Green Pricing) Available
Indicative Economics	$0.80/month per 100 kWh block
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf National RECs
Capacity Limit	Up to 100% of load
Timeline + Term Length	Available now; month to month contract
Eligibility	Available to any customer
Notes	RECs are not Green-e certified
Website and Contact	GoGreen

Updated August 2023

Indiana Michigan Power (AEP)

	GoGreen Program (Green Pricing) Available
Indicative Economics	**Local Renewable Option**: $0.02553/kWh, **National Renewable Option**: $0.00308/kWh. Customer pricing agreement available for large customers; contract requires commission approval
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Local Renewable Option: Local solar, hydro, and wind National Renewable Option: Mix of national RECs
Capacity Limit	Up to 100% of load
Timeline + Term Length	Available now; minimum 1-year term of contract
Eligibility	Available to commercial and industrial customers Custom Agreement option: customers who exceed 1,000 kW aggregate monthly peak demand over a 12-month average
Notes	RECs are not Green-e certified
Website and Contact	GoGreen At Work In Indiana GoGreen@aep.com

Updated August 2023

AES Indiana (Previously Indianapolis Power and Light Company)

	Green Power Program (Green Pricing) Available
Indicative Economics	$0.0055 per kWh. Premium will adjust once per year.
Carbon Impact + Asset Location	No additionality claims RECs purchased on customer's behalf; unclear if they are retired or transferred
Capacity Limit	10%, 25%, 50%, or 100% of load
Timeline + Term Length	Available now; no contract or minimum term; termination of participation is effective immediately
Eligibility	Available to any customer; capacity limit varies based on residential/business status
Notes	RECs are not Green-e certified
Website and Contact	Green Power

Updated August 2023

Kentucky

Energy Market	Summary
Regulated Retail Market	**Kentucky** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Kentucky will need to explore renewable energy options through their utility, or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	LG&E and KU offer a variety of programs for renewable procurement, but at a premium. Unclear if the customer would retain RECs from Community Solar or Onsite solar programs through LG&E; Green tariff eligibility determined by tariff and minimum project size of 10 MW. Kentucky Power offers a green pricing opportunity with two pricing options.
Retail Programs	Retail programs are not available in Kentucky.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Kentucky Power (AEP)

	Renewable Power Option Rider (Green Pricing/Option A) Available	Renewable Power Option Rider (Green Tariff/Option B) Available to Contract
Indicative Economics	Additional charge on bill based on REC option of choosing **Solar or Wind RECs**: $1.00/month per 100 kWh block or $0.010/kWh consumed for all usage purchase **Hydro & Other RECs**: $0.30/month per 100 kWh block or $0.003/kWh consumed for all usage purchase	Customer can directly purchase the electrical output and all RECS from a renewable energy generator through bilateral contract with Kentucky Power. A written agreement will include the firm service rates and the cost of the renewable energy resource being directly contracted for by the customer.
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Solar, wind, or hydro/other sourcing based on customer's choice	Potential additionality claims REC treatment and asset location dependent on developer terms
Capacity Limit	Up to 100% of load, dependent on Kentucky Power's ability to procure RECs	Up to 100% of load
Timeline + Term Length	Available now; one-time purchase or automatic monthly purchase agreement; may terminate participation by notifying the company with at least 30 days prior notice	Available now; term determined in written agreement between the customer and Kentucky Power
Eligibility	Available to any customer	Available to business and industrial customers with more than 1000 kW peak demand in aggregate
Notes	RECs are likely not Green-e certified	RECs are likely not Green-e certified
Website and Contact	Renewable Pricing Tariff Sheet	Renewable Pricing Tariff Sheet

Updated August 2023

Duke Energy

	GoGreen (Green Pricing) Available	Green Source Advantage (Green Tariff) Available
Indicative Economics	$1.00/month per 100 kWh block	Customer negotiates PPA prices, rates, terms and conditions with the developer directly; Duke can assist in identifying renewable project A product charge, bill credit, and administrative charge will be billed through utility and included on regular monthly bill.
Carbon Impact + Asset Location	No additionality claims RECs retired on customer behalf National RECs	Additionality claims Customer would own RECs through contractual agreement with developer A GSA facility must be part of a new RE facility located within PJM
Capacity Limit	Up to 100% of load	Up to 125% of the customer's aggregate maximum annual demand for eligible service location(s) within the Duke Energy Kentucky service territory
Timeline + Term Length	Available now, month to month contract	Available now; minimum agreement length not disclosed
Eligibility	Available to any customer	Available to large business customers with ≥ 1-MW demand at a single location or 5-MW aggregated maximum peak demand at multiple KY service locations
Notes	RECs are not Green-e certified	Monthly administrative fee of $375, plus $50 per additional account; $2,000 application fee
Website and Contact	GoGreen	Green Source Advantage Program KYGreenSource@duke-energy.com

Updated August 2023

Louisville Gas & Electric (LG&E) and Kentucky Utilities (KU)

	Green Energy Program (Green Pricing) Available	Solar Share Program (Community Solar) Available	Onsite Business Solar (Green Tariff) Available	Renewable Power Agreement (Green Tariff) Available
Indicative Economics	$13 per ~3,539 kWh block $13 remains consistent but block/REC purchase fluctuates based on REC prices	Monthly fee of $5.55 per 250-watt share, or one-time fee of $799 per share covering 25 years. Credits generated based on production of shares. Unlikely to create savings	LG&E installs and maintains solar at customer's location. Customer pays monthly fee based on size of array, receive bill credits based on production. Unlikely to create savings.	Customer pays standard firm service rate, plus applicable riders and adjustment clauses, in addition to the charges and energy credits set in the written agreement. Program costs will reflect the renewable energy resource and include transmission costs to deliver the energy.
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Mix of regional renewables	Potential additionality claims No indication of how RECs are treated; recommend outreach to utility Local solar in Kentucky	Additionality claims No indication of how RECs are treated; recommend outreach to utility	Potential additionality claims RECs transferred to customer
Capacity Limit	Up to 100% of load	Max enrollment of 250 kW per array or 500 kW total	Facility dependent	Agreement must be for at least 10 MW and capped at cumulative 100 MW
Timeline + Term Length	Available now, month to month contract	Available now, monthly subscription with 12-month initial agreement	Available now, minimum agreement length not disclosed	Available now, enrollment timeline dependent on project available and contract negotiation. Term equal to generation purchase agreement
Eligibility	Available to any customer	Available to any customers	Available to industrial and business customers	Customers on Time of day Secondary, Time of Day primary, or Retail transmission Service rate schedules; minimum billing load of 10 MW
Notes	RECs are Green-e certified Block cost locked in at $13 but REC cost subject to market fluctuation	Requires installation of advanced meter at no cost; Low potential for electricity cost savings; Low market activity among C&I clients.		Bilateral agreements between customer, LG&E, and developer.
Website and Contact	Green Energy Program How the Green Energy program works	Solar Share Program | Solar Energy Contact Form	Business Solar	Renewable Power Agreement

Updated August 2023

Michigan

Energy Market	Summary
Partially Deregulated Retail Market	**Michigan** is unique in that it is a partially deregulated retail electricity market. Michigan law, Act 286, caps electric choice participation at 10% of an electric utility's average weather-adjusted retail sales from the prior year. A queue exists but commercial and industrial customers account for almost all the participation in customer choice programs.
Renewable Procurement Options	
Utility Programs[1]	Utilities are required to offer voluntary green pricing programs to customers. Alpena Power, DTE and Xcel Energy only offer green pricing programs. Consumers Energy and Indiana Michigan Power offer green pricing programs and green tariff options.
Retail Programs	Buyers in Michigan are eligible to procure electricity through retailers, though they may need to join a waitlist if they are not already retail customers. See *Guide to Renewables Procurement Through Retailers*.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Alpena Power Company

	Voluntary Green Pricing (Green Pricing) Available
Indicative Economics	$0.78 per 100 kWh Block Customers subscribing to 50% or more of their monthly usage will have the Renewable Energy Surcharge removed from their bill.
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf National RECs
Capacity Limit	Up to 100%, minimum 200 kWh purchase (2 blocks)
Timeline + Term Length	Available now; annual subscription
Eligibility	Available to any customer
Notes	RECs are not Green-e Certified REC availability subject to utility's ability to procure subscribed volume
Website and Contact	Voluntary Green Pricing Program

Updated August 2023

Consumers Energy

Updated August 2023

	Michigan REC (Green Pricing) Available	Solar Gardens (Community Solar) Available	LC-REP (Green Tariff) Fully subscribed but enrolling new customers
Indicative Economics	Standard rate: $1.40 per 100 kWh block matched with REC purchases New MI or National Asset: $TBD for RECs procured from new resources (subject to utility RFP)	$8 per ½ kWh block per month for 25-year term. Option to pay $976 upfront or monthly payments on a 3-year ($31) or 7-year ($15) plan and still receive bill credits for the 25-year term. Average credit is $4.35 per block per month. $0.075/kWh credit rate Customers subscribing to 50% or more of their monthly usage will have the Renewable Energy Surcharge removed from their bill.	A fixed monthly subscription fee is charged in addition to current electric rate. Participants receive a generation and capacity credit based on actual production. Historically, the net cost after credits has been ~$0.01/kWh.
Carbon Impact + Asset Location	Standard rate: No additionality claims. RECs retired on customer's behalf. Michigan assets. New Asset: May have additionality claims. RECs retired on customer behalf. new, local renewable assets or new national asset.	Potential additionality claims No indication of how RECs are treated; recommend outreach to utility Michigan solar	Additionality claims RECs transferred to or retired on behalf of customer Michigan wind and solar
Capacity Limit	Up to 100% of load	10 MW capacity, but unclear how much remains	Available from 1-100% annual energy use in 1% increments
Timeline + Term Length	Available now, 12-month contract For MI & National REC New: minimum 3-year term	Subscription can last up to 25 years, minimum 12-month agreement after which the subscription can be canceled	10, 15, or 20-year terms; currently fully subscribed but pre-enrolling customers before additional resources come online
Eligibility	Available to any full-service customer without shut-off notice in past 9 months MI & National REC New: customers with annual aggregate demand ≥ 1 MW	Available to any full-service customer without shut-off notice in past 9 months	Full service electric customer with annual maximum demand of at least 150 kW
Notes	RECs are not Green-e certified	Program capacity unknown, waitlist available if fully subscribed	Available for enrollment now for planned future assets; unclear timeline for asset COD
Website and Contact	Michigan REC greenpower@cmsenergy.com	Solar Gardens Program solargardens@cmsenergy.com	Business Renewable Energy Program greenpower@cmsenergy.com

DTE

	MIGreenPower (Green Pricing) Pending Commission Approval	MIGreenPower Large Customer Clean Energy Program (Green Pricing) Pending Commission Approval	Sponsored MIGreenPower Pilot (Green Pricing) Pending Commission Approval
Indicative Economics	TBD - DTE proposing to delay fixed price product when net premium is negative 2023 Subscription fee: $0.051/kWh 2023 Credit: $0.051/kWh 2023 Net cost is -$0.0034/kWh Credit is updated annually	TBD - DTE proposing to delay fixed price product when net premium is negative	Pricing TBD - Employer sponsors MIGreenPower subscriptions on behalf of unenrolled residential employees
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf in MIRECS Michigan wind and solar	No additionality claims RECs retired on customer's behalf in MIRECS Michigan wind and solar	No additionality claims RECs retired on customer's behalf in MIRECS Michigan wind and solar
Capacity Limit	Up to 85% of load (pending Commission approval to increase to 100% of load)	Up to 100% of usage	Propose offering to 10 employer Sponsors; 500 customers per Sponsors
Timeline + Term Length	On hold for new customers; month to month contract	On hold for new customers; 5-,10-, 15- or 20-year term	Propose enrollment in 2024 if approved; 5,10-, 15 or 20-year term
Eligibility	Available to any customer	For customers who use 2,500 MWh/year or more	For contracted customers only with an annual enrollment of >2,500 MWh
Notes	RECs are Green-e certified Considering waitlist process for anticipated oversubscription	RECs are Green-e certified Considering waitlist process for anticipated oversubscription	RECs are potentially Green-e certified Employer sponsors MIGreenPower subscriptions on behalf of unenrolled residential employees
Website and Contact	MIGreenPower migreenpower@dteenergy.com	MIGreenPower Large Customer Schedule a Consultation	

DTE voluntary green pricing programs pending approval in MI Public Service Commission Case U-21172
Anticipate launch of MIGreen Power in 2025 for non-contracted customers

Updated August 2023

Indiana Michigan Power (AEP)

Updated August 2023

	GoGreen Program (Green Pricing) Available	Bring Your Own Contract (Green Tariff) Available
Indicative Economics	IM Green Surcharge: $0.01877/kWh IM Green Credit: $0.01521/kWh Net Standard Program cost is $0.0356/kWh Anticipate updated pricing in October 2023 Customers subscribing to 50% or more of their monthly usage will have the Renewable Energy Surcharge removed from their bill.	Customers can directly purchase the electrical output and all associated environmental attributes from a renewable energy generator through a bilateral agreement with IM. Contract details are determined on a case-by-case basis and must receive Commission approval.
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf RECs from IM company-owned solar, wind, and hydro plants in Indiana and Michigan	Additionality claims RECs retained by customer Asset location dependent on individual agreement
Capacity Limit	Up to 100% of load	Subject to agreement between Customer and IM
Timeline + Term Length	Available now; 3-month contract required upfront then reverts to month-to-month	Subject to agreement between Customer and IM
Eligibility	Available to any customer	Available to customers taking service under LP and CS-IRP tariffs, or multiple GS or LGS accounts under common ownership that can aggregate up to 1 MW monthly peak demand over 12-month average.
Notes	RECs are not Green-e certified	Program is highly customizable but little indication of parameters set by IM. Reach out to utility rep for more information.
Website and Contact	GoGreen At Work In Michigan IMGreen@aep.com	Custom Program For Custom Agreement Option, call 1-844-876-5273

Xcel Energy (Michigan)

	Renewable*Connect (Green Pricing) Available
Indicative Economics	Month-to-month rate: $1.05 per 100 kWh Block ($10.5/MWh) 5-year rate: $0.74 per 100 kWh Block ($7.40 / MWh) *2022 rates, subject to change
Carbon Impact + Asset Location	No additionality claims RECs are tracked in MRETs Wind and solar projects in Minnesota
Capacity Limit	Up to 100%
Timeline + Term Length	Available now; month-to-month or 5-year term
Eligibility	Available to any customer
Notes	RECs are not Green-e certified
Website and Contact	Renewable*Connect

Updated August 2023

Missouri

Energy Market	Summary
Regulated Retail Market	**Missouri** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Missouri will need to explore renewable energy options through their utility, or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Ameren Missouri's new green tariff program is an attractive option for those willing to wait until the next phase of projects are available. Evergy's existing green tariff program is full but should be monitored for expansion.
Retail Programs	Retail programs are not available in Missouri.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Ameren

	Community Solar Available	Renewable Solutions (Green Tariff) Available to Enroll
Indicative Economics	Small business rate of ~$0.1479/ kWh 50% of the charge, the solar generation rate, is capped and will remain flat. The remaining 50%, the facilities rate, is subject to change.	Fixed charge per kW of subscription less fixed credit / kWh produced by customer subscribed portion of the system.
Carbon Impact + Asset Location	Potential additionality claims RECs retired on customer's behalf Local Missouri solar	Additionality claims RECs retired on customer's behalf New projects built in MISO territory
Capacity Limit	Up to 100% of usage	Up to 100% of usage
Timeline + Term Length	2-year minimum contract	15-year term, timeline for Phase 2 project completion dependent on program interest and subscription level.
Eligibility	2 (M) small general service rate is only commercial tariff eligible.	Customers under 3 (M), 4 (M), 11 (M) or an affiliate of an eligible business on a lesser tariff
Notes	$25 one-time participation fee	Phase 1 project is fully subscribed, but future expansion is planned although the timeline is unclear. Customers can reserve their place in future phases. Recommend outreach to utility for more information.
Website and Contact	Community Solar	Renewable Solutions Renewable Solutions Overview Jan 2020

Updated August 2023

Evergy – Missouri West and Missouri Metro

Updated August 2023

	Solar Subscription (Community Solar) Available	Renewables Direct (Green Tariff) Waitlist
Indicative Economics	Fixed subscription cost of $0.12-$0.15 per kWh generated from customer share. Energy purchases through traditional tariff is reduced by the volume subscribed and produced by customer share. Solar rate is expected to be higher than traditional tariff but will not increase over time.	Program includes a fixed $/MWh subscription charge and the Renewables Adjustment that fluctuates month to month based on the results of the assets energy being sold into the wholesale market. Could result in a charge or credit to customer bill depending on market costs.
Carbon Impact + Asset Location	Potential additionality claims RECs retired on customer's behalf Local solar	Additionality claims RECs retired on customer's behalf Asset location unclear
Capacity Limit	Up to 50% of annual usage	Up to 100% of annual usage
Timeline + Term Length	Available now. Minimum 1-year agreement or 5-year if subscribed to over 25% of a project. Up to 20-year agreements available.	Minimum 5-year agreement; 10, 15, and 20-year terms available
Eligibility	Available to any customer.	Available to commercial and industrial customers
Notes	Primarily designed for residential customers but all customers are eligible. Subscription is transferable if customer moves within same service area.	Currently full, unclear if program expansion is being considered
Website and Contact	Solar Subscription renewables@evergy.com	Renewables Direct renewables@evergy.com

North Carolina

Energy Market	Summary
Regulated Retail Market	**North Carolina** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in North Carolina will need to explore renewable energy options through their utility, or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Duke Energy (DE Carolinas and DE Progress) offers a green tariff program and is seeking approval for its successor program. Dominion Energy NC does not offer green programs, although offers a rider for customers participating in the NC Green Power program.
Retail Programs	Retail programs are not available in North Carolina.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Duke Energy (DE Carolinas and DE Progress)

Updated August 2023

	Renewable Advantage (Green Pricing) Available	Green Source Advantage (GSA) Program (Green Tariff) Available
Indicative Economics	$4 per 250 kWh block	Customer receives standard Duke bill including the sum of product charge, bill credit, and administrative charges; customer negotiates PPA prices, rates, and term with selected developer; bill credit distributed through 2- or 5-year fixed avoided cost or hourly marginal avoided cost methodology
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf National solar, wind, and biomass RECs*	Potential additionality claims RECs transferred to customer from developer; terms negotiated at signing Local North Carolina or South Carolina assets
Capacity Limit	Up to 100% of load	Up to 125% of aggregate annual maximum annual demand
Timeline + Term Length	Available now, month to month contract	Available now; capacity reservations accepted on a first-come, first-served basis Terms of 2, 5, 10, 15, or 20 years 150 MW available for non-residential customers, as of January 2023
Eligibility	Available to any customer	Large commercial and industrial customers with at least 1 MW of demand at a single location or 5 MW aggregate maximum peak demand. Customers must be in same service territory as the GSA resource
Notes	RECs are Green-e certified For every block purchased, 50 cents will be donated to support solar installation/NC K-12 education through NC Green Power program.	Can pursue Green-e certification independently of Duke Energy Monthly administrative fee of $375, plus $50 per additional account; $2,000 application fee
Website and Contact	Renewable Advantage for Business	Green Source Advantage Program greensourceadvantage@duke-energy.com

*Renewable energy facilities located in: NC, SC, GA, FL, MS, LA, AR, AL, TN, KY, VA, MO, or IL.

Duke Energy (DE Carolinas and DE Progress)

Updated August 2023

	Green Source Advantage Choice (GSA Choice) Program (Green Tariff: Renewable Energy Option) Recently Proposed	Green Source Advantage Choice (GSA Choice) Program (Green Tariff: Energy Storage Option) Recently Proposed
Indicative Economics	**Utility-owned Option**: customer subscribes to portion of Duke asset and receives standard Duke bill plus the sum of market-based REC charge and administrative fee **GSA Facility PPA option:** Customer sleeves PPA through Duke; negotiates PPA prices, rates, and term with selected developer. Customer pays regular bill plus product charge, bill credit, and administrative fee	Customers that enroll in the renewable energy option can enroll in the storage offering to virtually time-align their energy consumption. Cost shared between Duke Energy and customer. Customer pays their portion either up-front or is billed over time through a levelized demand charge payment.
Carbon Impact + Asset Location	Potential additionality claims RECs retired on customer's behalf Local NC/SC assets	Potential additionality claims
Capacity Limit	Up to 100% of load, maximum of 250 MW total capacity. Program capacity of 4,000 MW across DEC and DEP. Available on first come, first served basis	Duke Energy will retain operational control over the storage or other clean energy facilities to serve system needs.
Timeline + Term Length	Docket filed in January 2023. NCUC review is ongoing. Terms of 5, 10, 15, or 20 years Terms negotiated at signing	Docket filed in January 2023. NCUC review is ongoing. Terms negotiated at signing
Eligibility	Large commercial and industrial customers with at least 1 MW of demand at a single location or 5 MW aggregate maximum peak demand.	Large commercial and industrial customers with at least 15 MW of demand at a single location or 30 MW aggregate maximum peak demand.
Notes	Duke Energy to supplant current Green Source Advantage Program with this offering $2,000 application fee. Administrative fee to be determined.	Duke Energy to supplant current Green Source Advantage Program with this offering
Website and Contact	Proposed Filing Jan 2023 greensourceadvantage@duke-energy.com	Proposed Filing Jan 2023 greensourceadvantage@duke-energy.com

Ohio

Energy Market	Summary
Deregulated Retail Market	**Ohio** is a deregulated retail electricity market, meaning customers have the option to buy electricity through their utility, or through a retail electricity provider of their choosing. Buyers in Ohio will find more renewable energy options through retailers than through utilities.
Renewable Procurement Options	
Utility Programs[1]	Duke Energy Ohio offers a green pricing program, charging $0.01/kWh for an unbundled national REC.
Retail Programs	Many buyers in Ohio are eligible to procure electricity through retail power providers. See *Guide to Renewables Procurement Through Retailers*.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Duke Energy Ohio

	Go Green Ohio (Green Pricing) Available
Indicative Economics	$1.00 per 100 kWh block
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf National RECs
Capacity Limit	Up to 100%, minimum 200 kWh purchase (2 blocks)
Timeline + Term Length	Available now; monthly subscription
Eligibility	Available to any customer
Notes	RECs are not Green-e certified
Website and Contact	Go Green Ohio

Updated August 2023

Pennsylvania

Energy Market	Summary
Deregulated Retail Market	**Pennsylvania** is a deregulated retail electricity market, meaning customers have the option to buy electricity through retail electricity providers or the utility. As utilities in Pennsylvania do not currently offer renewable energy options, buyers will need to seek them through a retailer, or through PPAs or REC purchases.
Renewable Procurement Options	
Utility Programs[1]	The state's IOUs, including PECO, PPL Electric, Duquesne Light, and FirstEnergy subsidiaries were reviewed, and no utility program are offered. Options are limited to retail programs.
Retail Programs	Many buyers in Pennsylvania are eligible to procure electricity through retail power providers. See *Guide to Renewables Procurement Through Electric Retailers*.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

South Carolina

Energy Market	Summary
Regulated Retail Market	**South Carolina** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in South Carolina will need to explore renewable energy options through their utility, or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Lockhart Power Company and Dominion Energy do not offer any green programs in South Carolina. Duke Energy offers a green tariff program and is seeking approval for its successor program. The community solar program, Shared Solar, is currently full, but allowing customers to join the waitlist.
Retail Programs	Retail programs are not available in South Carolina.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Duke Energy (DE Carolinas and DE Progress)

	Green Source Advantage (GSA) Program (Green Tariff) Available	Shared Solar (Community Solar) Waitlist
Indicative Economics	Customer receives standard Duke bill including the sum of product charge, bill credit, and administrative charges. Customer negotiates PPA prices, rates, and term with selected developer. Bill credit distributed through fixed avoided cost or hourly marginal avoided cost methodology.	$6.00 x kW subscription monthly subscription fee added to regular bill, monthly bill credit equal to the amount of solar energy produced from customer's share ($0.0604 per kWh generated)
Carbon Impact + Asset Location	Potential additionality claims RECs transferred to customer from developer; terms negotiated at signing Local North Carolina and South Carolina assets	Potential additionality claims No indication of how RECs are treated, recommend outreach to utility Local South Carolina solar
Capacity Limit	Up to 125% of aggregate annual maximum annual demand	Capacity cannot exceed 500 kW
Timeline + Term Length	Available now, capacity reservations accepted on a first-come, first-served basis Terms of 2, 5, 10, 15, or 20 years	Not available now, can join waitlist Up to 10-year contract term
Eligibility	Large commercial and industrial customers with at least 1 MW of demand at a single location or 1 MW aggregate maximum peak demand. Customers must be in same service territory as the GSA resource	Available to any customer; cannot participate if customer has a PPA
Notes	Can pursue Green-e certification independently of Duke Energy Monthly administrative fee of $375, plus $50 per additional account $2,000 application fee	$20 application fee, initial enrollment payment equal to $100 x kilowatt (kW) subscription
Website and Contact	Green Source Advantage Program greensourceadvantage@duke-energy.com	Shared Solar SCSharedSolar@duke-energy.com

Duke Energy (DE Carolinas and DE Progress)

	Renewable Choice Program (Green Tariff: Renewable Energy Option) Recently Proposed	Renewable Choice Program (Green Tariff: Energy Storage Option) Recently Proposed
Indicative Economics	**Utility-owned Option**: Customer subscribes to portion of Duke asset and receives standard Duke bill plus the sum of market-based REC charge and administrative fee **GSA Facility PPA Option:** Customer sleeves PPA through Duke; negotiates PPA prices, rates, and term with selected developer. Customer pays regular bill plus product charge, bill credit, and administrative fee.	Customers that enroll in the renewable energy option can enroll in the storage offering to virtually time-align their energy consumption. Cost shared between Duke Energy and customer. Customer pays their portion either up front or is billed over time through a levelized demand charge payment.
Carbon Impact + Asset Location	Potential additionality claims RECs retired on customer's behalf Energy resources within Duke Energy's balancing authority	Potential additionality claims
Capacity Limit	Up to 100% of load Capacity/RECs sourced from 495 MW of utility-owned generation and 360 MW of third-party-owned generation assets Available on first come, first served basis	Duke Energy will retain operational control over the storage or other clean energy facilities to serve system needs
Timeline + Term Length	Docket filed in October 2022. SC PSC review is ongoing. Terms of 5, 10, 15, or 20 years Terms negotiated at signing	Docket filed in October 2022. SC PSC review is ongoing. Terms negotiated at signing
Eligibility	Large commercial and industrial customers with at least 1 MW of demand at a single location or 1 MW aggregate maximum peak demand	Large commercial and industrial customers with at least 15 MW of demand at a single location or 30 MW aggregate maximum peak demand
Notes	Can pursue Green-e certification independently of Duke Energy $2,000 application fee. Administrative fee to be determined.	
Website and Contact	Renewables and EV Emerging Renewable Programs Docket customerrenewableprograms@duke-energy.com	Renewables and EV Emerging Renewable Programs Docket customerrenewableprograms@duke-energy.com

Updated August 2023

Tennessee

Energy Market	Summary
Regulated Retail Market	**Tennessee** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Tennessee will need to explore renewable energy options through their utility, or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Appalachian Power does not offer green programs in TN. TVA offers two green pricing programs, Green Switch and Green Flex, as well as a green tariff, Green Invest.
Retail Programs	Retail programs are not available in Tennessee.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Tennessee Valley Authority (TVA)

	Green Switch (Green Pricing) Available	Green Flex (Green Pricing) Available	Green Invest (Green Tariff) Available
Indicative Economics	$2 per 200kWh block	$3.00 per MWh block (price as of January 1, 2023, subject to change with 30 days' notice)	TVA procures new renewables to meet up to 100% of customer's load; REC contract is added as a new line item to the customer's existing bill and does not offset electric charges; credit price per MWh is variable and market-driven
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf All RECs generated by in-Valley* solar	No additionality claims RECs retired on customer's behalf 100% wind energy from Iowa, Illinois, or Kansas	Additionality claims RECs are retired on customer's behalf or transferred to the customer to manage Mix of in-Valley* renewables
Capacity Limit	Up to 100% of load	Up to 100% of load	Up to 100% of load; minimum customer commitment of 1 MW
Timeline + Term Length	Available now, customers can enroll/un-enroll on a monthly basis; no contract and customers can cancel at any time	Available now, 1-year commitment, no sign-up fee	Up to 20 years, consistent with the term of the related PPA Available now; minimum agreement length not disclosed
Eligibility	Available to any customer	Available to commercial and industrial customers who meet the minimum purchase requirement of 2,000 MWh annually	Available to industrial and business customers
Notes	RECs are Green-e certified	RECs are Green-e certified Available to business customers who wish to purchase at least 2,000 RECs annually	Can get Green-e certification at additional cost; may take 9-12 months from RFP issuance to execute the contract; administrative fee increases each year
Website and Contact	Green Switch renewables@tva.gov	Green Flex renewables@tva.gov	Green Invest renewables@tva.gov

*Generation locations include AL, GA, KY, MS, NC, TN, or VA.

Updated August 2023

Texas

Energy Market	Summary
Deregulated Retail Market	**Texas** is a deregulated retail electricity market, meaning customers have the option to buy electricity through retail electricity providers or the utility. Buyers in Texas will find more renewable energy options through retailers than through utilities.
Renewable Procurement Options	
Utility Programs[1]	Entergy Texas and SWEPCO both offer green pricing programs that provide Texas wind and other regional RECs, at a premium. The cost is above the national average, but the ease of purchase could make these a bridge solution until another option can be executed.
Retail Programs	Many buyers in Texas are eligible to procure electricity through retail power providers. See *Guide to Renewables Procurement Through Retailers*.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

Entergy Texas

	Green Select (Green Pricing) Available
Indicative Economics	$0.0121 / kWh premium
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Texas wind
Capacity Limit	25%, 50%, or 100% of usage, up to 500 MWh per month
Timeline + Term Length	Available now, month to month contract
Eligibility	Available to all customers
Notes	RECs are Green-e certified
Website and Contact	Green Select Pricing and Terms greenselecttexas@entergy.com

Updated August 2023

Southwestern Electric Power Co

	Renewable Energy Choice (Green Pricing) Available
Indicative Economics	$0.004012 / kWh premium
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Regional wind and solar resources
Capacity Limit	Up to 100% of usage
Timeline + Term Length	Available now, month to month contract
Eligibility	Available to all customers
Notes	RECs are not Green-e certified
Website and Contact	SWEPCO Renewable Energy Choice

Updated August 2023

Wisconsin

Energy Market	Summary
Regulated Retail Market	**Wisconsin** is a regulated retail electricity market, meaning only utilities are allowed to sell electricity to customers. Buyers in Wisconsin will need to explore renewable energy options through their utility or consider PPA or REC options.
Renewable Procurement Options	
Utility Programs[1]	Wisconsin's IOUs all offer at least one green procurement program, with options including green pricing, community solar, and green tariffs.
Retail Programs	Retail programs are not available in Wisconsin.
PPAs	Depending on a number of factors, buyers can be eligible to buy renewable power through a virtual power purchase agreement. See *Guide to Virtual Power Purchase Agreements*.
RECs	Any buyer can purchase renewable energy credits to cover brown power purchased through their utility. See *Guide to REC Purchases*.

1. Only investor-owned and select large public utilities were reviewed. If your utility is not listed in the information provided, reach out to your account representative to determine what programs may be available to you.

Updated August 2023

We Energies

Updated August 2023

	Energy for Tomorrow (Green Pricing) Available	Renewable Pathway Pilot (Green Tariff) Recently Approved
Indicative Economics	$0.01158 / kWh under 70,000 kWh monthly $0.00995 / kWh greater than 70,000 kWh monthly Enrolled customer received a reduced fuel-cost adjustment (FCA) based on enrollment level. 100% enrollment receives no FCA, 50% enrollment receives 50% FCA, etc.	1-year subscription: $0.06439 / kWh charge - $0.05722 / kWh credit Net charge: $0.00717 / kWh 5-year subscription: $0.06253 / kWh charge - $0.05722 / kWh credit Net charge: $0.00531 / kWh
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Mix of regional renewables	Potential additionality claims RECs retired on customer's behalf Local wind and solar resources
Capacity Limit	Up to 100% of usage in 25% increments	Up to 100% of previous 2-year average usage 100 kWh/ month blocks, minimum 1,000 kWh.
Timeline + Term Length	Available now; large business customers must commit to purchasing Energy for Tomorrow for the balance of the calendar year; this agreement is self-renewing on Jan. 1 of each year	Passed PSC in July 2023. Utility will likely need time to begin implementation. 1-year and 5-year subscription terms available.
Eligibility	Available to any customer	Available to most C&I customers
Notes	RECs are Green-e certified Speak to account representative to determine effective increase with FCA reduction. Cancellation requires 30-day notice before Jan. 1	Pilot is capped at 125 MW. Once 75% of program capacity is met, utility will solicit expansion Recommend outreach to utility representative to express interest
Website and Contact	Energy for Tomorrow Sign up form contactwe@mail.we-energies.com	Website not yet available. Docket No. 5-TE-101

Xcel Energy

Updated August 2023

	Renewable*Connect (Green Tariff) Available
Indicative Economics	100 kWh block subscription charge minus credit 2022 cost & credit values: Monthly: $4.53 / block - $3.50 credit / block Net charge: $1.03 / 100 kWh 5-year: $4.18 / block - $3.50 credit / block Net charge: $0.68 / 100 kWh **2023 cost per block scheduled at $4.27**
Carbon Impact + Asset Location	No additionality claims RECs retired on customer's behalf Minnesota wind and solar resources
Capacity Limit	Up to 100% of usage
Timeline + Term Length	Available now. Offered on a month to month or 5-year term.
Eligibility	Available to all Xcel customers
Notes	Program website includes calculator tool that gives indicative costs based on subscription amount and annual load.
Website and Contact	Renewable Connect RenewableConnectWI@xcelenergy.com

Alliant Energy

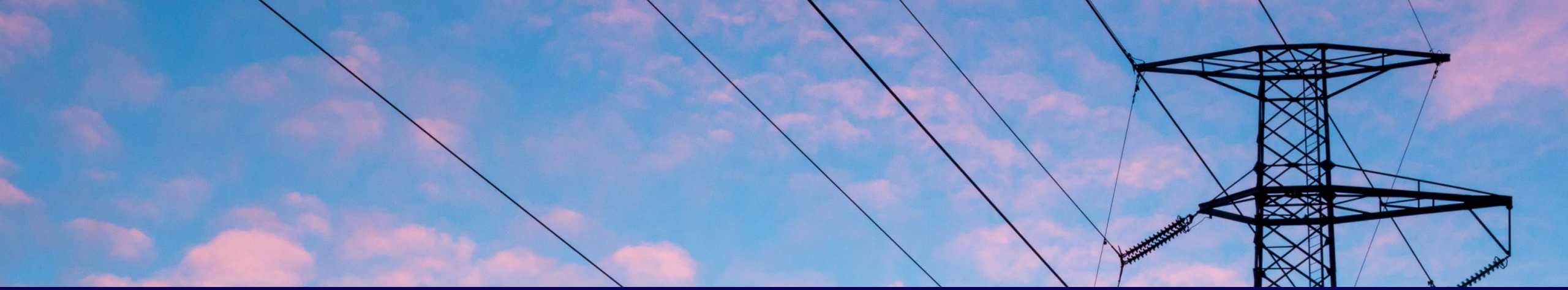
Updated August 2023

	Renewable Energy Partner (Green Tariff) Available	Customer Hosted Renewables (Utility-Owned Onsite Solar) Available	Community Solar Potentially Available
Indicative Economics	Alliant builds, owns, and maintains project and executes PPA with customer; customer charged a flat rate per MWh for the duration of the term and receives a credit based on production of the system; credit value subject to market pricing	Utility owns, installs, and maintains system on customer property in exchange for a lease payment; lease payment is the value of MISO accredited capacity of the system multiplied by value of capacity determined by MISO business practice manual	One-time upfront payment of $395 for each 250-watt block in return for 20-years of monthly production credits; minimum credit of $0.0559/ kWh
Carbon Impact + Asset Location	Additionality claims Customer receives project RECs for the duration of the agreement	Additionality claims Customer can retain RECs, but the value of the RECs is subtracted from the lease payment. REC value is set at the time of lease signing.	Potential additionality claims RECs retired on customer's behalf annually Local solar
Capacity Limit	Project offtake matched to site peak demand; total tariff capped at 150 MW	Customer firm demand from 200kW – 2.25 MW per site or aggregate up to 5 MW	No single subscriber can have more than 60% of the shares available
Timeline + Term Length	Enrollment open; project siting and construction would be needed; likely multi-year timeline; 20-year term, can be negotiated.	Available now, duration of agreement determined on individual basis	20-year agreement; cancellation with refund is only allowed if certain criteria are met
Eligibility	Available to any non-residential general service or large general service customer	Available to any non-residential general service or large general service customer	Available to all customers
Notes		Many of the details of the lease agreement are determined on a project-by-project basis	No indication of program capacity; waitlist is available
Website and Contact	Renewable Energy Partner	Customer-Hosted Renewables Tariff	Community Solar for businesses communitysolar@alliantenergy.com

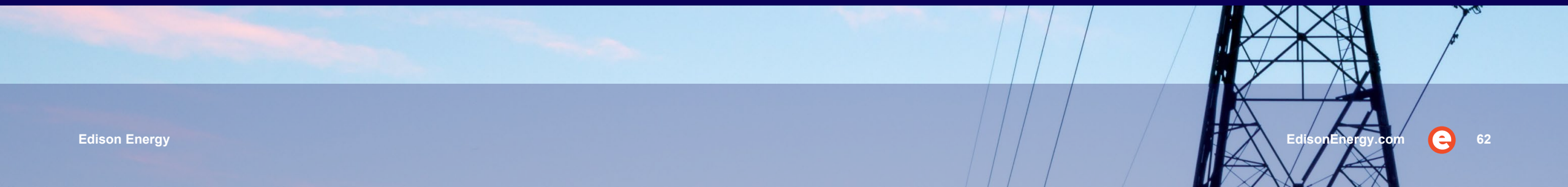
Madison Gas & Electric

Updated August 2023

	Green Power Tomorrow (Green Pricing) Available	Shared Solar Program (Community Solar) Waitlist	Renewable Energy Rider (Green Tariff) Available
Indicative Economics	$0.01 / kWh in addition to current tariff	One-time upfront fee of $47.25 per share Production from the participant shares is charged to customers at the shared solar rate and displaces an equal amount of kWh that would have otherwise been billed at standard rate. The shared solar rate is locked in for the entire term.	Customer enters into an agreement for a dedicated renewable resource sleeved through the utility. Pricing determined through contract negotiation. Rate includes all costs associated with the resource less credits, capacity credits, and removal of fuel cost surcharges.
Carbon Impact + Asset Location	No additionality claims Customer retains RECs Regional wind and solar	Potential additionality claims RECs retired on customer's behalf Local solar	Additionality claims RECs are retired on customer's behalf Local project in MGE territory
Capacity Limit	Up to 100% of usage	Up to 50% of an eligible meter's annual consumption	Program limited to 25 MW for existing load. New or expanded load not subject to limit.
Timeline + Term Length	Available, does not specify term length	25-year term. Cancellation is allowed but upfront fee is nonrefundable	Negotiated with MGE or Developer during contract development
Eligibility	Available to any customer	Businesses on Cg-3, Cg-4, or Cg-5 rates are eligible to participate.	Minimum demand level of 200 kW. Cg-2, Cg-4, Cg-6, Sp-3 or Cp-1 rate class.
Notes	RECs are likely not Green-e certified Limited information provided on term length and cancellation. Recommend outreach to utility representative to confirm.	Locking in the shared solar rate for 25 years makes the financials more attractive if electricity rates continue to rise. Unclear if new projects are planned	Limited information is provided up-front, but the program is highly negotiable. Final pricing, term, asset, and other details must be negotiated with the utility.
Website and Contact	Green Power Tomorrow	Shared Solar Program Waitlist sharedsolarbiz@mge.com	Renewable Energy Rider Business@mge.com



Guide to Renewable Energy Procurement Through Retailers



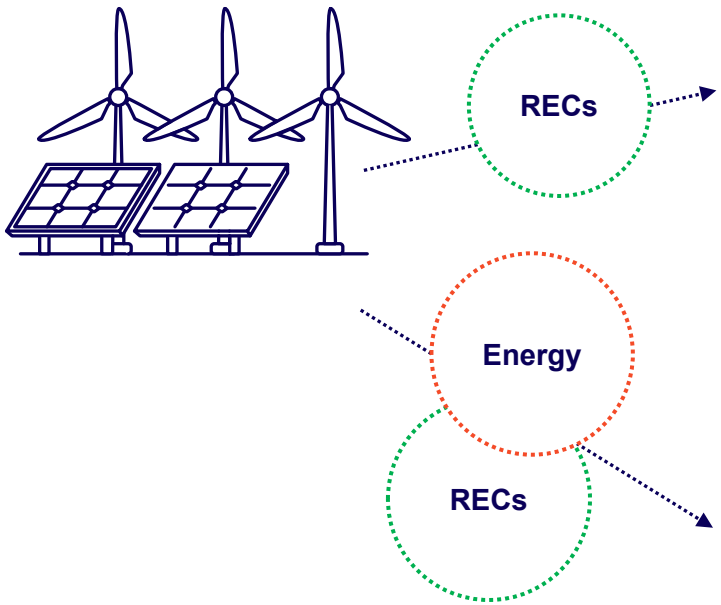
Working With Retail Electricity Providers

In states that have electric retail choice, most customers have the option to source their electric generation from a Retail Electricity Provider (known as a REP or retailer), rather than being obligated to buy it from their utility company. However, even in these deregulated areas, customers of municipalities (munis) and co-operatives (co-ops) may not be eligible to work with retailers. See *Suggested Questions for Your Account Manager or Utility Representative* for guidance on verifying eligibility.

Facilities that are eligible to procure electricity through a retailer are likely to find more options to procure renewable energy through the retailer than through their assigned utility. This guide provides an overview of how to navigate options via retailers.

Retailers' Renewable Energy Product Offerings

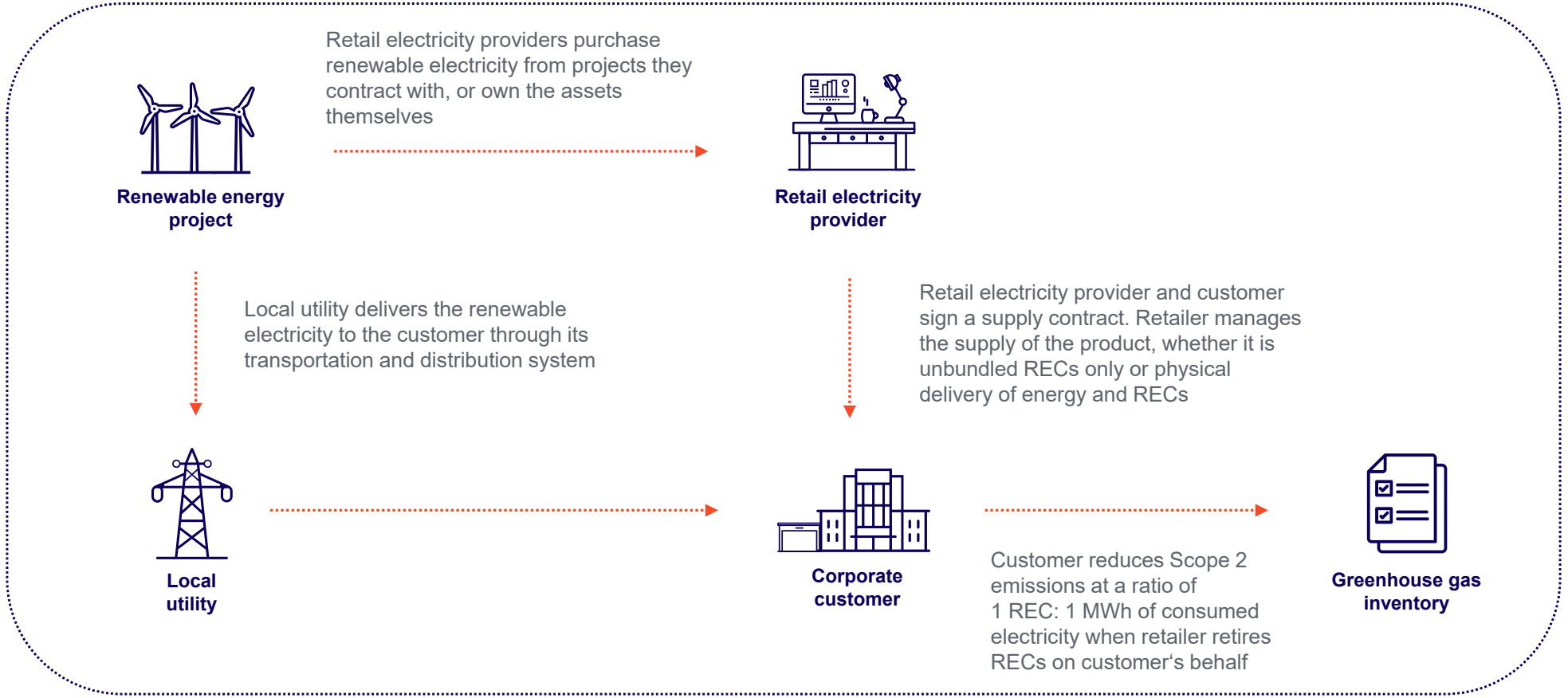
Figure 6: Retail Renewable Energy Product Structures



	Structure	Customer Eligibility
Unbundled Renewable Energy Certificates (RECs)	✓ Retailer purchases a REC to match each megawatt-hour of a customer's brown power purchase ✓ REC can be a more generic "national" REC (less expensive) or project-specific (more expensive) ✓ Retailer incorporates RECs into customer's retail supply agreement	✓ Any customer with, or looking to create, a retail supply agreement
Physically Delivered Bundled (Energy + RECs)	✓ Retailer purchases project-specific energy and RECs to meet each megawatt-hour of a customer's electricity demand ✓ Retailer schedules delivery of renewable power to customer facility ✓ Retailer retires RECs on customer's behalf	✓ Customers typically must meet minimum offtake size of ~15k – 50k MWh/year and term length of 2+ years for an operating project or 5+ years for a new project

Retailers' Renewable Energy Product Offerings

Figure 5: Corporate Scope 2 Emissions Reductions Through Retail Renewable Energy



This graphic illustrates a common renewable energy product structure offered by retailers. Retailers may also be able to offer, or work with customers to develop, more tailored products.

Procuring Retail Renewable Energy

Identifying Retailers in Your Area

- To identify retailers in an area, visit the local utility's website. Often, they will provide a list of licensed retailers who are eligible to serve in their delivery area.
- If a list of retailers is unavailable on the utility's website, look for information on the state Public Utility Commission's website.

Next Steps for Pursuing Retail Options

- To pursue retail-delivered renewable energy options, reach out to the local utility to identify options. If a customer is eligible to work with a retailer, reach out to the retailers that serve the area.
- Any buyer can speak with the retailers in their area to understand their capabilities and the options they have available. Securing the help of an advisor such as Edison Energy can help buyers navigate the path of retail renewables and determine the right strategy for their company.

Secure the Help of an Advisor

Buyers interested in exploring retail renewable options can reach out to hondagreenexcellence@edisonenergy.com to connect with a subject matter lead.

Please note that Edison Energy typically seeks to review 12 – 24 months' worth of electric supply and utility invoices in order to assess a company's eligibility for a retail renewable option.

Guide to Renewable Energy Certificate (REC) Purchases

REC 101

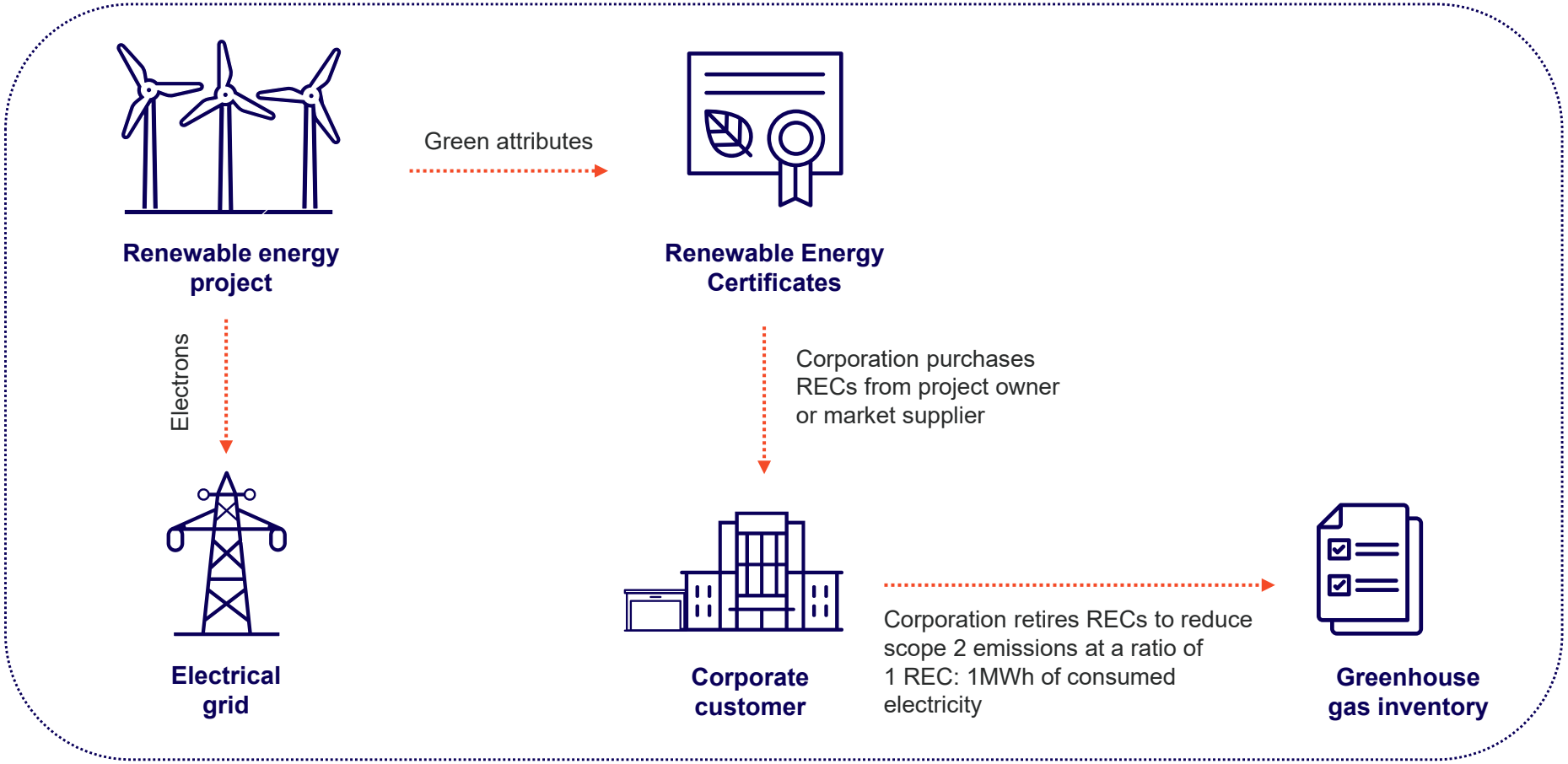
- Renewable Energy Certificates (RECs) are the instruments through which corporations reduce their Scope 2 emissions as part of their carbon accounting.

- A REC is a tradable and trackable market-based instrument representing the right to the renewable attribute from power produced by a renewable energy project. To track and claim renewable energy, one REC is produced when a renewable resource generates one megawatt-hour (MWh) of electricity.

- Once a company purchases RECs, they can be traded to another counterparty or retired. REC retirement refers to the process of ‘cashing in’ a REC, rendering that REC spent and accounted for by the entity that retired it, and thus is owned and attributable to only that entity.

REC 101

Figure 6: Process of REC Procurement and Retirement



Corporations procure RECs and retire them at a ratio of 1 REC: 1 MWh of consumed electricity to reduce their Scope 2 emissions.

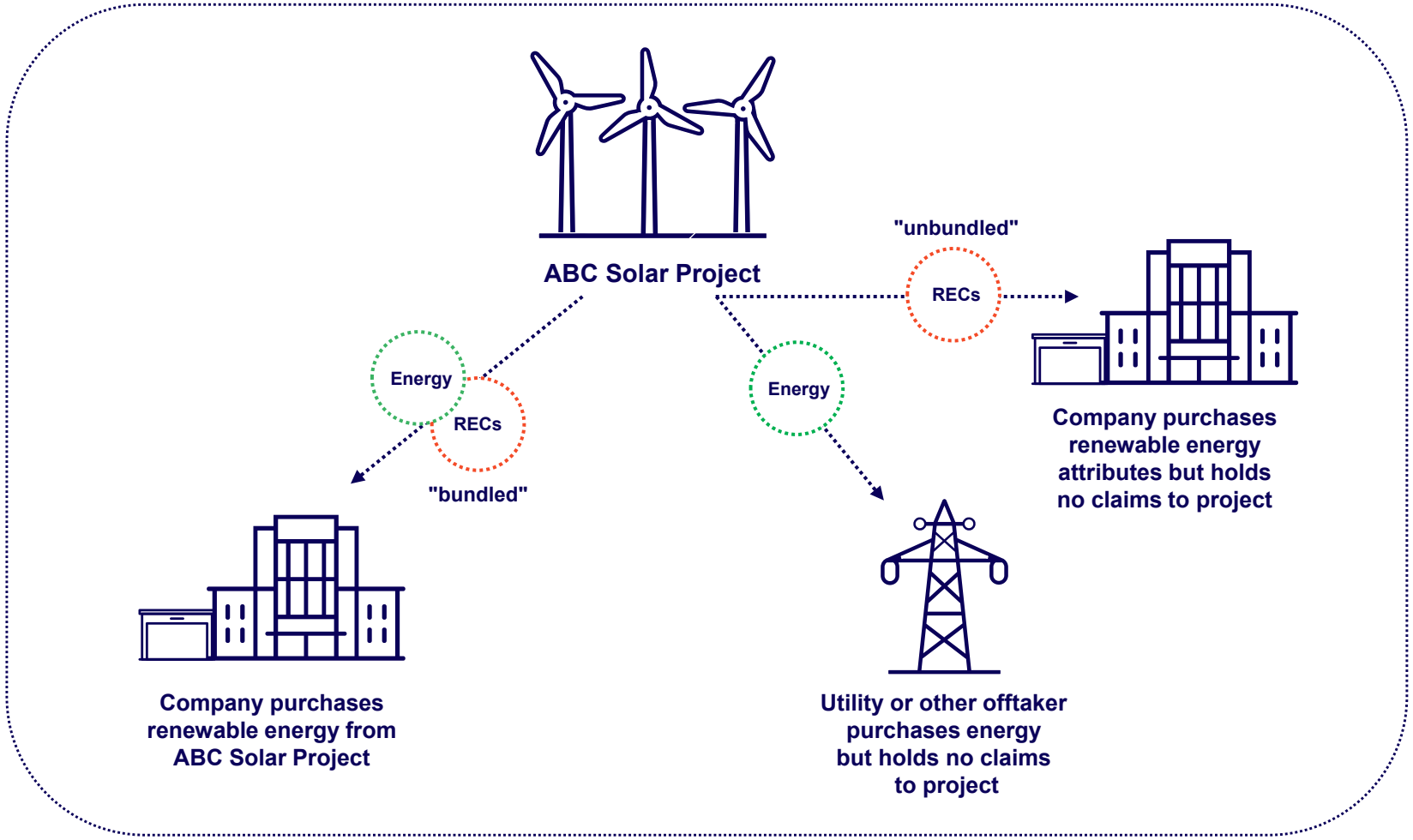
REC 101

Bundled vs. Unbundled RECs

- A company can purchase RECs with or without the associated electricity, known as ‘bundled’ or ‘unbundled’ RECs, respectively.
- **Bundled RECs** are tethered to the associated electricity either physically or financially. Bundled RECs are often delivered via a power purchase agreement (PPA). For example, if a buyer purchases five megawatt-hours of electricity and RECs from a wind farm through a PPA, the buyer can claim that they have purchased that volume of renewable energy from that specific wind farm.
- **Unbundled RECs** are severed from the associated electricity, retaining only the environmental claim. For instance, if a buyer purchases five RECs from a wind project, the buyer now holds the rights to claim five megawatt-hours’ worth of renewable electricity. The electrons that flow onto the grid from the wind project are no longer distinguished as renewable energy and are considered regular brown power since the REC buyer now retains the environmental claim. The unbundled REC buyer does not retain the energy, so must continue to procure electricity through the supplier.

REC 101

Figure 7: Corporate Buyers' Claims to Bundled vs. Unbundled RECs



REC Purchasing

Purchasing Unbundled RECs: Prime Corporate Candidates

- Taking first steps on their sustainability journey
- Filling a gap in renewable energy coverage before a longer-term solution takes effect
- Renewable energy options are not available through utility or retailer
- Electricity usage is too small for a power purchase agreement

How to Purchase Unbundled RECs

- *Brokers* – Buyers who know exactly what they are looking to buy may choose to work with REC brokers to secure annual REC purchases
- *Advisors* – Buyers looking to embed a forward-looking strategy in their procurement plans may choose to work with an advisor
  - To learn more about securing help from an advisor on unbundled REC strategy and procurement, reach out to the Edison Energy team at hondagreenexcellence@edisonenergy.com

Tips on Purchasing RECs:

- RECs are to be used in the U.S. and Canada. Other certificates are appropriate to other countries, such as Mexico I-RECs to cover electricity consumption in Mexico
- REC prices vary from week to week and are not easy to forecast
- RECs are sold in one-year or multi-year strips

REC Purchasing Best Practice:

- Companies should cover their annual electric consumption with RECs generated within 12 months of that calendar year, 6 months before the calendar year began or 3 months after the calendar year has ended
  - **For example:** 2023 electricity consumption can be offset with RECs minted from July 2022 – March 2024

Guide to Virtual Power Purchase Agreements (VPPAs)

Introduction to VPPAs

A Virtual Power Purchase Agreement (VPPA) is a contract through which businesses can procure renewable energy at a large scale, for a duration of 10-20 years, and from a specific renewable energy project. Through this contract, businesses procure renewable energy certificates (RECs), which are used to reduce their Scope 2 emissions.

VPPAs are financial contracts in which a buyer agrees to pay a renewable energy project owner a fixed price per unit of electricity generated, and in exchange receives the market price of power. In a VPPA, the buyer never takes ownership of the electricity generated by the project, which is liquidated directly into the wholesale market, but does receive the RECs and the renewable energy claims generated by the project. The functioning of this contract is illustrated in Figure 8.

Vocabulary Spotlight: Additionality

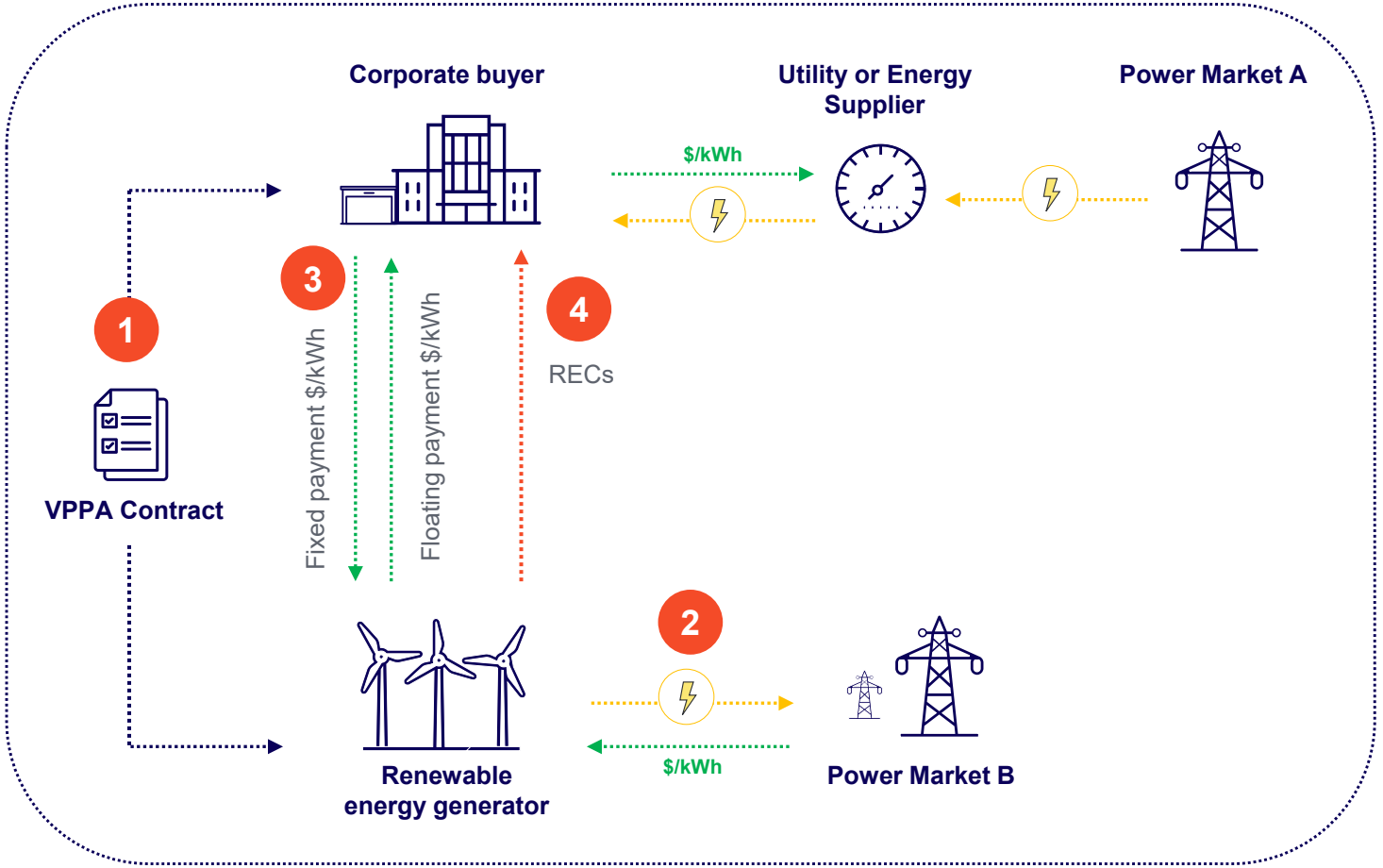
A buyer's role in a VPPA transaction earns claims to "additionality" – meaning that the buyer is playing an integral role in bringing new renewable energy onto the grid.

How does that work?

VPPAs are most commonly contracted with projects in the development stage – projects that are not yet operating. By committing to a price for the power that will be generated, the buyer guarantees the project developer a revenue stream, which enables them to secure financing for, and ultimately build, the renewable energy project.

Introduction to VPPAs

Figure 8: How a VPPA Works



1. Corporate Buyer signs VPPA with renewable energy generator for wind or solar power at a fixed rate (i.e. Strike price). Term is typically 10-20 years.
2. The wind or solar power is sold into the grid at the market price.
3. Corporate Buyer receives the market price from the sale of the wind/solar power and pays the fixed price to the renewable energy generator.
4. Corporate Buyer receives RECs from the renewable energy generator and uses them to reduce Scope 2 emissions. A VPPA will have no impact on the existing power supply contracts at each facility.

Benefits and Challenges of a VPPA

Figure 9: Benefits and Challenges of a VPPA

Benefits of a VPPA

- Reduces emissions at scale
- Brings new renewables to the grid
- During contract negotiation, allows flexibility to share risks between buyer and seller
- Allows claims to renewables from a specific project

Challenges of a VPPA

- Cost to buyer can be modeled, but is not certain
- Project supply is limited
- Buyer must have a large appetite for offtake in order to transact independently
- Time commitment to procurement is lengthy, likely 1+ year
- Term commitment to contract is lengthy, typically 10 – 20 years

State of the Market

Project developers are most interested in contracting VPPAs with buyers who have the appetite for at least half of the expected generation from their renewable energy project. While it is possible to find some flexibility on this and other factors listed below, the following summarizes an ideal buyer for a VPPA.

Figure 9: Preferred Buyer Qualifications for a VPPA

Annual electricity consumption:
250,000 MWh/year+

Cost appetite:
Comfort with a range of outcomes, as the ultimate cost can be modeled but is not guaranteed

Credit rating:
Investment grade

Accounting treatment:
Favorable to US GAAP;
IFRS sees PPAs as a derivative

Term commitment:
10 – 20 years

Timeline:
Likely 2+ year wait for new-build project to begin operating

VPPA: Supplier Aggregations

Suppliers who fall short of the “preferred” buyer qualifications, particularly when it comes to annual electricity consumption, can still potentially participate in a VPPA. These companies will need to partner with other companies whose electricity demand adds up to the size of a large-scale renewable energy project in aggregate. Edison Energy can facilitate this aggregated effort for interested parties. Companies who have the appetite for a VPPA but do not meet the size threshold can express interest in an aggregation to the Edison Energy team at hondagreenexcellence@edisonenergy.com

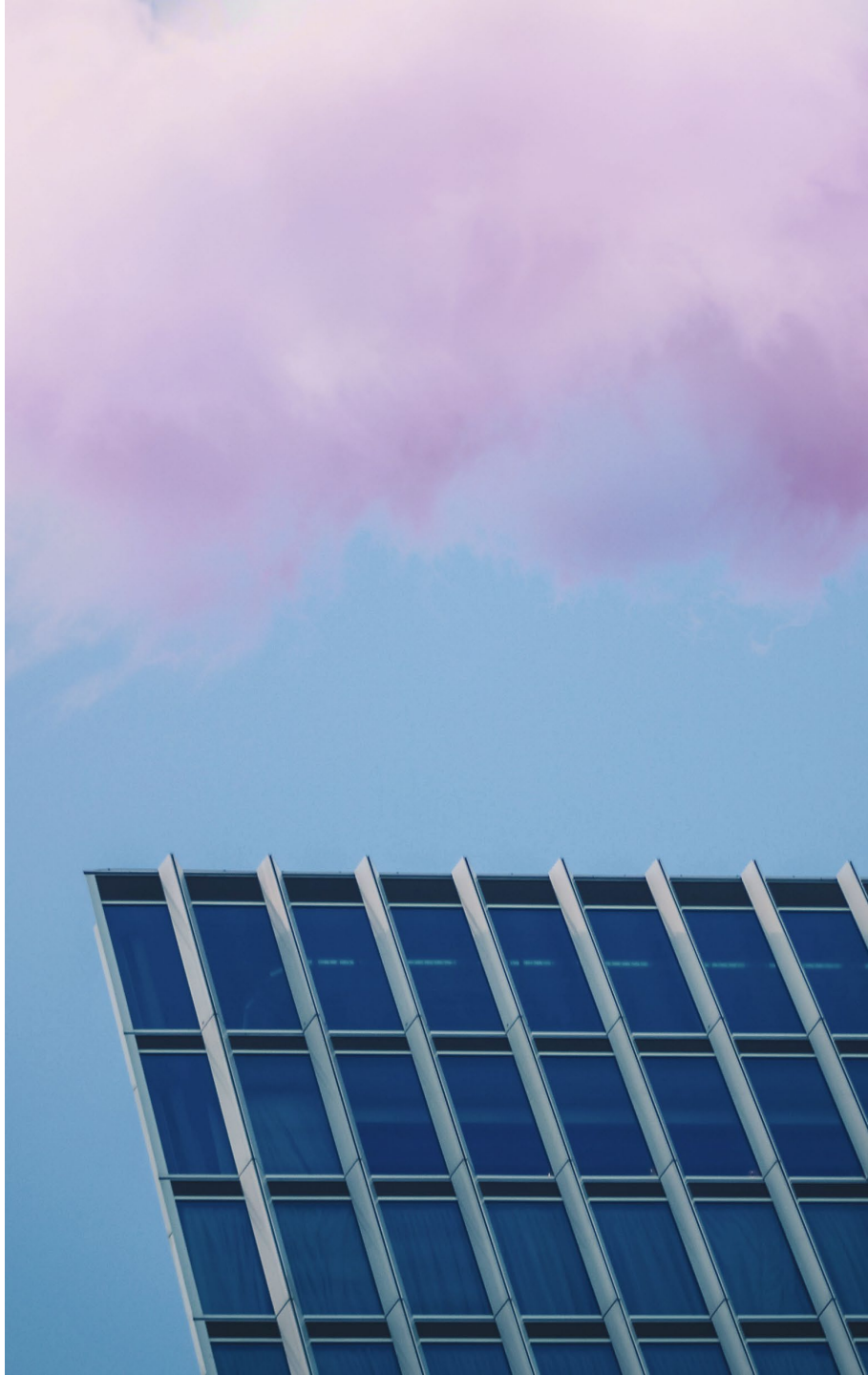
Next Steps

How to Pursue a VPPA

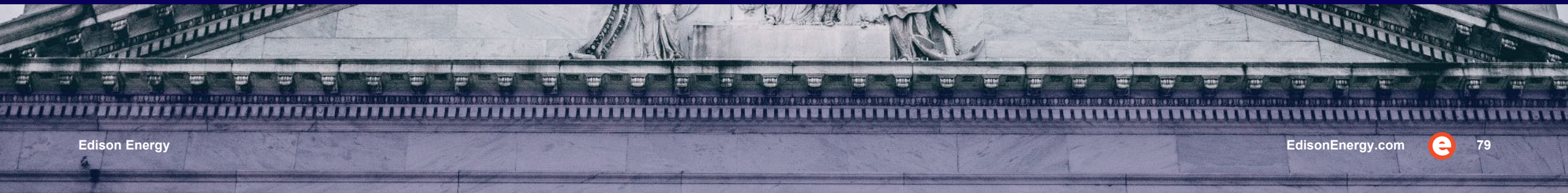
Procuring renewable energy through a PPA can take a year or more and requires the coordination of several stakeholders, thorough due diligence, and thoughtful negotiation. Prospective buyers can pursue projects on their own by contracting directly with developers. However, due to the unique nature of these contracts, many buyers choose to work with advisors such as Edison Energy who will:

- Prepare buyers for a transaction by educating and coaching key stakeholders on the unique risks specific to PPAs. Stakeholders include sustainability, financial and risk, accounting, legal, and executive teams.
- Solicit bids that fit the buyer's requirements via a Request for Proposal (RFP)
- Review the development risk and model the potential financial performance of project bids
- Support or lead negotiations on behalf of the buyer to ensure the buyer receives top of market terms and does not take on, or is aware of, any risks inherent to the specific project or deal.

For additional information on VPPAs or the support Edison Energy can provide, please reach out to hondagreenexcellence@edisonenergy.com.



How to Advocate for Renewable Energy Options



Advocating for More Renewable Options

There are two primary approaches to advocate for renewable energy options:

Direct Advocacy

Business representatives directly contact key decisionmakers to influence policies to expand access to renewable energy. Contact your company's Government Affairs team to discuss a strategy for legislative or regulatory outreach.

Indirect Advocacy

Business representatives work through trade associations to influence policies to expand access to renewable energy. Consider becoming a member of trade associations, such as the Clean Energy Buyers Association or RE100, to be able to support and influence the initiatives their government affairs teams are working on.

Advocating for More Renewable Options

Businesses can leverage their buying power and market influence to unlock new clean energy options. This requires outreach and partnership with key decisionmakers, including:

Utilities

As the direct entity selling power to the customer, utilities are a starting point for engagement. Businesses can reach out to their account manager to understand their current and future renewable energy programs and share the business' needs. Ultimately, the utility will need to balance its customers' renewable energy needs with their regulator's concerns.

State Public Utility Commissions (PUCs)

As regulators of electric utilities, PUCs make key decisions on the implementation of renewable energy policies for investor-owned utilities. Businesses can engage with the PUC by filing comments and testimony on renewable energy dockets to influence the creation or expansion of renewable energy options. It is typically most time efficient to engage in these activities through a trade association.

State Legislatures

State legislatures create laws, which PUCs direct utilities to implement. Businesses can draft and lobby for new laws to expand their renewable energy options. Again, the most time-efficient way to engage in these activities is through a trade association.

Need support with your advocacy efforts? Based on Edison Energy's extensive knowledge of renewable energy programs and tariffs structures across the U.S., our policy team is well-suited to help clients advocate for program design elements that expand their renewable energy buying options.

Suggested Questions for Your Account Manager or Utility Representative

Speaking With Your Utility Representative

Sometimes, the only way to find out what the renewable energy options are through your utility is to give them a call.
When you dial your account manager or utility representative, anticipate that it might take a few connections to speak to the right contact.

Here are some suggested questions you can ask to have an effective conversation:

- I am interested in purchasing renewable energy for my facility. Is there someone I can speak with about renewable energy options?
- Am I allowed to pursue any renewable energy opportunities outside of this utility company by working with a retail electricity provider?
    - If your company is allowed to work through a retail electric provider, see ***Guide to Renewables Procurement Through Retailers*** for next steps

Once you're connected to the person who is knowledgeable about renewable energy, you can ask:

- Does this utility company offer any renewable energy options? More specifically:
    - Do you have a green pricing program, or a way for our company to purchase renewable energy certificates (RECs)?
    - Do you offer any community solar programs I can participate in?
    - Do you offer any options for purchasing renewable energy through a green tariff program?
    - Can I pursue onsite solar at my facility? If yes, are there limitations for sizing an onsite solar project for my facility?

If your utility does not offer any renewable energy options, and if you cannot work with a retail electric provider, you have three options:

- Purchase unbundled renewable energy certificates (RECs). See ***Guide to REC Purchases***
- Contract renewable energy through a virtual power purchase agreement. See ***Guide to Virtual Power Purchase Agreements***
- Speak up about your interest in more renewable energy options. See ***How to Advocate for Renewable Energy Options***

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Get In Touch

Interested in discussing anything you read in this guide? Contact the Edison Energy team at hondagreenexcellence@edisonenergy.com.

Global Reach. Local Impact. Edison Energy LLC (DBA in Europe as Altenex Energy and Alfa Energy) is a global energy and sustainability advisory that provides strategy and implementation services to help large corporate, industrial, and institutional clients navigate the transition to a net-zero future.

With the recent integration of Edison, Altenex, and Alfa into one global company, we bring the strength of combined expertise across energy procurement, optimization, renewables, and sustainability solutions.

With advanced technological capabilities and expanded international reach, we enable our clients to achieve more positive, measurable impact. Edison by the numbers: 45 Global Fortune 500 clients; 10.6+GW of offsite renewable procurement; $7BN+ in energy spend managed; 30+ countries served; 20+ languages spoken.

For more information about visit www.edisonenergy.com.