

Voluntary Energy Resource Alternatives Handbook

Version 4

August 1, 2020

Environmental Attributes

The following describes Grant County PUD's and its customers' processes related to Rate Schedule 13REC and 13SS.

Eligibility

Available to any Grant County PUD (GCPUD) retail customer receiving service via Rate Schedule Nos. 7, 14, 15, 16, or 85 who wishes to voluntarily purchase carbon emission factor zero energy attributes. Depending on the customer's objectives, this may be achieved through Renewable Energy Credits or Specified Source energy. For specified source transactions, preference will be given to hydroelectric facilities near Grant PUD's service area within the state of Washington.

Product Descriptions

Renewable Energy Certificates

Green-e® Energy Renewable Energy Certificates are transferrable attributes arising from wind, solar, geothermal, certain hydroelectric and certain biomass energy generation certified under the Center for Resource Solutions' Green-e® Energy program. Grant PUD acquires Green-e® Certified RECs in an amount equal to Customer requested volumes that are to be retired.

When a megawatt-hour (MWh) of energy is produced from a Green-e® eligible energy generation source, it can be certified by the Center for Resource Solutions, which runs Green-e® programs. Certified Green-e® RECs can then be sold by the energy producer (including utilities, independent power producers and other entities) to third parties, like Grant PUD.

Green-e® Energy Certified REC sales that are made in a given calendar year must be generated within the 12 months of that calendar year, the six months before the calendar year began, or the three months after the calendar year has ended. This creates a 21-month window of eligible generation dates from which renewable energy generation can be used toward Green-e® Energy Certified sales in any given calendar year.

For further specifications on eligibility of resource and facility types and online dates, please see the [Green-e® Renewable Energy Standard for Canada and the United States](#). Green-e® RECs are administered by and attested to by the Center for Resource Solutions, a nonprofit based in San Francisco, CA. All Green-e® Energy requirements and auditing protocols are publicly available and can be found at <https://www.green-e.org/programs/energy>.

Washington Eligible Renewable Energy Certificates

[Washington's Energy Independence Act, or Initiative 937 \(I-937\)](#), defines for utilities the use of "renewable energy credits" (RECs) to meet their requirements. Under I-937, "eligible renewable resource" includes wind; solar; geothermal energy; landfill and sewage gas; wave and tidal power; and certain biomass and biodiesel fuels. RECs can be bought and sold in the marketplace, and they may be used during the year they are acquired, the previous year, or the subsequent year. Electricity produced from an eligible renewable resource must be generated in a facility that started operating after March 31, 1999. The facility must either be located in the Pacific Northwest or the electricity from the facility must be delivered into the state on a real-time basis. Incremental electricity produced from efficiency improvements at hydropower facilities owned by qualifying utilities is also an eligible renewable resource, if the improvements were completed after March 31, 1999.

When a REC is generated, it is assigned a unique serial number that is tracked by a web-based system called the [Western Renewable Energy Generation Information System \(WREGIS\)](#) which is run by the Western Electricity Coordinating Council (WECC). The Washington-eligible designation is an optional feature for RECs recorded in the WREGIS ledger and the [Washington Department of Commerce](#) is the WREGIS state program administrator for Washington. The owner or representative of a generating facility may apply to Commerce for optional designation as eligible under the Washington renewable energy standard. Once designated by Commerce, the RECs created by WREGIS for that generating facility will carry a "Washington Eligible" indicator.

Grant PUD purchases and retires Washington Eligible RECs in Grant PUD's WREGIS account.

Grant County Specified Source

Specified Source is the physical delivery of zero carbon emitting energy from a specific generation source to a load area, in this case, Grant PUD's balancing authority. More specifically, a Specified Source is documented to include: a contract, direct delivery, and a Specified Source seller warranty throughout the market path.

(1) Contract requirement: A reporter claiming transacted electricity as specified needs to show evidence of a contract, which can include one of the standard enabling agreements.

(2) Direct delivery requirement: A reporter claiming transacted electricity as specified needs to demonstrate direct delivery, likely by providing the standard e-tag documentation, which is the most common, or by demonstrating another form of direct delivery.

(3) Seller warranty requirement: The transacted electricity as specified needs to provide evidence of a specified power at the time the transaction is executed. At a minimum, voice tape indicates buyer agreed to buy specified power. Supplemental documentation, such as trade logs and/or aggregate daily, weekly, or monthly confirmations can strengthen the claim.

Grant PUD acquires Specified Source for delivery to Grant's balancing authority. Specified Source is delivered in one of two ways: Total Volume and Fixed Hourly.

Delivery—Total Volume Specified Source

Total volume specified source is for a set MWh volume to be delivered over a period of time. The seller has control as to the rate and timing of delivery within the contracted period of time.

Delivery—Fixed Hourly Specified Source

Sellers of fixed hourly specified source commits to deliver power at a set MWh volume across all hours of the year. This is typically the most expensive option under Rate Schedule 13SS.

ELECTION OPEN PERIODS

During the election period, Grant will provide customers an estimated transaction price and a cap price for 1) Green-e® renewable energy certificates, 2) Washington eligible renewable energy certificates, 3) Total Volume Specified Source, and 4) Fixed Hourly Specified Source. Interested customers provide Grant the volume and identify the product that they wish to purchase prior to the close of the purchase agreement deadline.

Below are **estimated timelines** for activities associated with rate schedule 13REC and 13SS:

Last week in July: Grant PUD sends customer agreement forms via direct email, including not to exceed cost estimates for environmental attributes. Not to exceed cost estimates are established at market prices based upon the best information available including broker quotes, market bids and offers, volatility, and recently executed transactions. The not to exceed quote includes all Additional Charges except the Administrative Charge.

Deadline by close of business on August 31, 2020: Customer submits completed purchase agreement form to Large Power Solutions Account Executive with the volume of RECs or specified source to be purchased. Customer commits to purchase the stated volume at or below the cap price.

September 30th, 2020: Grant PUD expects to have completed the acquisitions of all environmental attributes.

If the specified source is provided from Grant County PUD's portfolio, pricing will be established at market based upon the best information available including broker quotes, market bids and offers, and recently executed transactions.

In the event that Grant is unable to secure the requested environmental attributes at or below the stated cap price, then Grant will provide customers an updated price estimate and cap price and repeat the process.

Subsequent Months: Costs associated with the transaction will be added to the customer's bill and will be subject to the terms under the existing customer service policy. Administrative fees are collected one time on the first bill.

- For customers who purchase RECs for 2019 and/or 2020 the related charges will appear on the October bill.
- For customers who purchase SS for Q4 2020, billing will occur each month following delivery. For example, delivery in October 2020 will be included in the November 2020 bill.
- For customers who purchase SS for 2021, billing will occur each month following delivery. For example, delivery in January 2021 will be included in the February 2021 bill.

First Quarter of 2021: Grant expects to post its carbon content for 2020. The 2019 carbon figures can currently be found at <https://www.grantpud.org/generation>.

Retirement of RECs in WREGIS: Grant will register and retire Washington-eligible RECs on customer's behalf within 12 months. At the time that the RECs are retired, the WREGIS fees will be assessed to the customer in their next billing cycle.

Rates

RATES: Base rates and other terms of electric service shall be governed by the Rate Schedule under which the customer takes ordinary services. Charges specified under this Rate Schedule are in addition to the charges specified in the Rate Schedule under which the customer takes its basic electricity service:

Incremental Block Size: 100 MWh

Minimum Purchase: 1,000 MWh per transaction

Maximum Purchase: Not to exceed customer's forecasted energy consumption over the period purchased less I-937 renewable energy requirement.

Charge: Current market rate with an identified maximum price will be communicated between Grant PUD and customer prior to execution of any purchase and will include applicable fees.

ADDITIONAL CHARGES:

As applicable: Legal expenses, Broker Fees, Retirement Costs (depending on the REC's)

Administrative Charge: \$3,000 per transaction for Rate Schedule 13SS

Administrative Charge: \$1,500 per transaction for Rate Schedule 13REC

TAX ADJUSTMENT: The amounts of any tax levied by any city or town, in accordance with RCW 54.28.070 and or WAC 458-20-179 Public utility tax (PUT), consistent within the Laws of the State of Washington, will be added to the above charges.

BILLING PROVISIONS: a. If the customer remits a partial payment, that payment shall first be applied to the Specified Source energy attributes with any residual payment amount applied toward all other

charges due Grant PUD. b. If a customer does not pay for the charges for their Specified Source energy, Grant PUD shall immediately discontinue selling Specified Source energy attributes and RECs to that customer and may reclaim the previously sold Specified Source energy attributes that have not been paid for. The customer will remain liable for any shortfall between the purchase price and the resale price of the Specified Source energy attributes.

SERVICE: Service under this Schedule is subject to the terms and conditions in the District's Customer Service Policies, as the same may be amended from time to time.

Renewable Energy Certificate Customer Template Examples



Calendar Year 2019 & 2020 13REC Renewable Energy Certificate Purchase Agreement

_____ (Customer) hereby commits to pay for Public Utility District No. 2 of Grant County, Washington ("Grant PUD") to acquire Renewable Energy Certificates in accordance with Rate Schedule No. 13REC and Grant PUD's Customer Service Policies and Voluntary Energy Resource Alternatives Handbook.

Customer Name: _____

Phone: _____

Email: _____

Mailing Address: _____

Street	City	State	Zip
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Service Address: _____

Street	City	State	Zip
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Account Number(s) for billing: _____

Contracted level of participation:

Renewable Energy Certificates (1,000 MWh equivalent minimum) 2019 _____ 2020 _____ Energy Attribute Price*: \$1.50/REC Administrative Charge (per transaction): \$1,500	OR	Washington Eligible RECs (1,000 MWh equivalent minimum) 2019 _____ 2020 _____ Energy Attribute Price*: \$6.50/REC Administrative Charge (per transaction): \$1,500
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*Energy Attribute Price is a not to exceed value that includes market price plus applicable associated charges including but not limited to broker fees, retirement fees, tax and legal fees.

Term: The term of this Agreement shall commence on the date Grant PUD acquires the RECs required to provide service under this Agreement and shall terminate once all RECs have been retired after full payment has been received. Grant PUD shall make reasonable efforts to obtain the RECs for the subscription period requested by the Customer. If Grant cannot source all of the volume at the Energy Attribute Price, it will notify Customer of volume that it is able to supply and discuss alternative options with the Customer.

Customer understands, Rate Schedule No. 13REC will result in a charge for the term of the subscription period, even if Customer discontinues Electric Service to the Service Address.

Customer agrees to Grant PUD using Customer's name and logo in Grant PUD materials, including Grant's web site, for purposes of public recognition and marketing. Yes No

Customer Representative Signature: 


Print Name: 


Title: 

Date: 

Customer Representative Signature: 

(Second signature optional)

Print Name: 

Title: 

Date: 



Fourth Quarter 2020 13SS Large Volume Specified Source Service Agreement

_____ (Customer) hereby commits to pay for Public Utility District No. 2 of Grant County, Washington ("Grant PUD") to acquire Specified Source energy in accordance with Rate Schedule No. 13SS and Grant PUD's Customer Service Policies and Voluntary Energy Resource Alternatives Handbook.

Customer Name: _____

Phone: _____

Email: _____

Mailing Address: _____
 Street City State Zip

Service Address: _____
 Street City State Zip

Account Number(s) for billing: _____

Contracted level of participation:

Fixed Hourly MWh Alternative (1 MW/hour minimum)	OR	Total Volume Alternative (1,000 MWh annual minimum)
Q4 2020 _____ MW per hour		Q4 2020 _____ MWh
Energy Attribute Price*: \$16.00/MWh		Energy Attribute Price*: \$6.00/MWh
Administrative Charge (per transaction): \$3,000		Administrative Charge (per transaction): \$3,000
Energy Attribute Charge shall be equal to the Fixed Hourly MWh multiplied by the number of hours in the billing month multiplied by the Energy Attribute Price.		Energy Attribute Charge shall be equal to the Total Volume MWh divided by the number of months of delivery multiplied by the Energy Attribute Price.

*Energy Attribute Price is a not to exceed value that includes market price plus applicable associated charges including but not limited to broker fees, tax and legal fees.

**To be filled in by Grant PUD*

Delivery Start Date: _____ Delivery End Date: _____

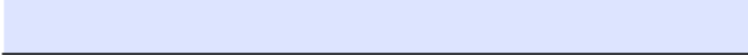
Grant PUD shall make reasonable efforts to obtain the Attributes for the subscription period requested by the Customer. If Grant cannot source all of the volume at the Energy Attribute Price, it will notify the customer of the volume that it is able to supply at the Energy Attribute Price and discuss alternative options with each Schedule 13SS customer.

The specified minimum monthly usage levels will result in a charge for the term of the subscription period, even if Customer discontinues Electric Service to the Service Address.

Customer understands and agrees customer is responsible for full payment for all Energy Attributes procured on their behalf and delivered to Grant PUD.

Customer agrees to Grant PUD using Customer's name and logo in Grant PUD materials, including Grant's web site, for purposes of public recognition and marketing. Yes No

Customer Representative Signature: 

Print Name: 

Title: 

Date: 

Customer Representative Signature: 
(Second signature optional)

Print Name: 

Title: 

Date: 



Calendar Year 2021 13SS Large Volume Specified Source Service Agreement

_____ (Customer) hereby commits to pay for Public Utility District No. 2 of Grant County, Washington ("Grant PUD") to acquire Specified Source energy in accordance with Rate Schedule No. 13SS and Grant PUD's Customer Service Policies and Voluntary Energy Resource Alternatives Handbook.

Customer Name: _____

Phone: _____

Email: _____

Mailing Address: _____

Street	City	State	Zip
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Service Address: _____

Street	City	State	Zip
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Account Number(s) for billing: _____

Contracted level of participation:

<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Fixed Hourly MWh Alternative (1 MW/hour minimum)</td> </tr> <tr> <td>2021 _____ MW per hour</td> </tr> <tr> <td>Energy Attribute Price*: \$16.00/MWh</td> </tr> <tr> <td>Administrative Charge (per transaction): \$3,000</td> </tr> <tr> <td>Energy Attribute Charge shall be equal to the Fixed Hourly MWh multiplied by the number of hours in the billing month multiplied by the Energy Attribute Price.</td> </tr> </table>	Fixed Hourly MWh Alternative (1 MW/hour minimum)	2021 _____ MW per hour	Energy Attribute Price*: \$16.00/MWh	Administrative Charge (per transaction): \$3,000	Energy Attribute Charge shall be equal to the Fixed Hourly MWh multiplied by the number of hours in the billing month multiplied by the Energy Attribute Price.	OR	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Total Volume Alternative (1,000 MWh annual minimum)</td> </tr> <tr> <td>2021 _____ MWh</td> </tr> <tr> <td>Energy Attribute Price*: \$6.00/MWh</td> </tr> <tr> <td>Administrative Charge (per transaction): \$3,000</td> </tr> <tr> <td>Energy Attribute Charge shall be equal to the Total Volume MWh divided by the number of months of delivery multiplied by the Energy Attribute Price.</td> </tr> </table>	Total Volume Alternative (1,000 MWh annual minimum)	2021 _____ MWh	Energy Attribute Price*: \$6.00/MWh	Administrative Charge (per transaction): \$3,000	Energy Attribute Charge shall be equal to the Total Volume MWh divided by the number of months of delivery multiplied by the Energy Attribute Price.
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Customer Representative Signature:

Print Name:

Title:

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