

Joint utility rebate program – Advanced Rooftop Unit Control (ARC)

Project application

Puget Sound Energy, Seattle City Light, Snohomish County PUD and Tacoma Power offer energy rebates, up to 100% of the total cost, for adding Advanced Rooftop Controls to constant volume rooftop units.



Advanced Rooftop Control Retrofit requirements:

1. Packaged, unitary equipment (no split systems)
2. RTU is less than 20 years old in good working order
3. Constant speed supply fan with a functional air-side economizer
4. Supply fan operates continuously during occupied hours
5. Gas or electric heat

All products must be on the BPA Qualified Products List to receive a rebate.

To view the QPL lists and/or request a product be added, visit tradeallynetworknw.com

ARC-Full	ARC-Lite	ARC-Single Phase
\$1,500 per unit (5 tons to <10 tons) \$2,500 per unit (10 tons to 20 tons) \$4,500 per unit (>20 tons)	\$800 per unit (5 tons to <10 tons) \$1,000 per unit (10 tons to 20 tons) \$2,000 per unit (>20 tons)	\$500 per unit (<5 tons)
<ul style="list-style-type: none"> • A VFD and controller for variable speed fan operation, or a multispeed motor and controller for multispeed fan operation • A controller with digital, integrated economizer controls, and • Demand Control Ventilation based on CO₂ sensor readings. 	A VFD and controller for variable speed fan operation, or a multispeed motor and controller for multispeed fan operation	An ECM motor or VFD and controller for variable speed fan operation.

Rebate cannot exceed the pre-tax purchase price of any rebated product.

To apply:

1. Complete this rebate form and submit with a final invoice that includes itemized ARC equipment, a W9 tax form, and proof of ARC installation (pictures).
2. After review, PSE will send you a funds assignment form, if assigning funds to your contractor is selected in the Payment Instructions section.
3. Your utility will process the rebate and send payment to the customer or assigned contractor.

Additional documentation may be required before and/or after installation based on utility discretion.

Contacts	Phone	Email	
Puget Sound Energy	Energy Advisors	800-562-1482	commercialrebates@pse.com
Seattle City Light	Energy Advisors	206-684-3800	sclenergyadvisor@seattle.gov
Snohomish PUD	Sinh Tran	425-783-8248	svtran@snopud.com
Tacoma Power	Conservation - Commercial/Industrial	253-502-8619	bizrebates@cityoftacoma.org

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Business/facility information

Business name	Contact person/title		
Facility address	City	State	Zip
Mailing address (if different)	City	State	Zip
Phone number	Email		
Electric utility	Account number		
Natural gas utility	Account number		

Existing RTU equipment information	RTU type 1	RTU type 2	RTU type 3
Rooftop unit (RTU) manufacturer			
RTU model number			
RTU tonnage			
Hours of operation			
RTU heating system type (heat pump or gas)			
The RTU is a unitary system (If No , project is not eligible for rebate)	Yes No	Yes No	Yes No
The RTU has a constant speed supply fan (If No , project is not eligible for rebate)	Yes No	Yes No	Yes No
RTU quantity			

ARC-full retrofits	ARC-full type 1	ARC-full type 2	ARC-full type 3
The full ARC product is on the Qualified Products List (If No , project is not eligible for rebate)	Yes No	Yes No	Yes No
ARC product manufacturer			
ARC product model			
ARC product quantity			

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ARC-lite retrofits	ARC-lite type 1	ARC-lite type 2	ARC-lite type 3
The ARC-lite product is on the Qualified Products List (If No , project is not eligible for rebate)	Yes No	Yes No	Yes No
ARC product manufacturer			
ARC product model			
ARC product quantity			

ARC-Single phase	ARC-single phase 1	ARC-single phase 2	ARC-single phase 3
The ARC-lite product is on the Qualified Products List (If No , project is not eligible for rebate)	Yes No	Yes No	Yes No
ARC product manufacturer			
ARC product model			
ARC product quantity			

Terms and conditions

Terms and conditions of rebate offerings vary with each utility. By submitting this rebate form Program Participants recognize that prior to payment the Utility may contact the applicant, related vendor or installer to evaluate installation information, inspect the installed product listed on this form, and request the Program Participant to submit supporting documentation. The Utility will review the project to determine eligibility and qualification for a rebate in accordance with their terms and conditions. This program is completely voluntary, and Program Participant assumes any risks of injury, property damage, and expenses that may arise during the implementation of these energy conservation measures.

Payment instructions

Rebate will be paid directly to the customer by PSE.

Customer directs PSE to issue the rebate check to an assigned contractor.

By signing below, I certify that this form and any accompanying documentation is accurate

Name	Title		
Customer Signature			Date



Puget Sound Energy
pse.com



Seattle City Light
energysolutions.seattle.gov



Snohomish PUD
snopud.com



Tacoma Power
mytpu.org/tacomapower

Commercial rebate program

Assignment of funds



This form is optional

Customers who wish to assign rebate funds to a contractor will need to fill out and sign this form after PSE calculates their ARC rebate incentive.

Assigner information

Business or property management name (assigner)		
Contact name	Contact email	Contact phone
Business address		
Mailing address		

Assignee information

Company name (assignee)		
Contact name	Contact email	Contact phone
Mailing address		
Federal tax ID # (or social security #)		

Puget Sound Energy requires Assignee W9 Tax Identification Form to facilitate payment. This form can be found here:

<https://www.irs.gov/pub/irs-pdf/fw9.pdf>

Puget Sound Energy sends a 1099 to IRS and the Assignee for payments totaling more than \$600 per calendar year for businesses that are not corporations.

Puget Sound Energy is hereby authorized to pay to the above Assignee the sum of

_____ dollars and _____/100 (\$ _____ .00)

from the incentive funds due the Assigner obtained through the PSE Commercial Rebate Program. I understand the incentive funds will be paid after Puget Sound Energy has approved the installation of authorized resource conservation measures.

Dated this _____ day of _____, 20_____.

Signature _____ Printed name of Assigner _____

Joint utility rebate program – Advanced Rooftop Unit Control (ARC) Participant Data Collection Agreement

Pilot overview and enrollment

Puget Sound Energy (PSE) is working with Energy Solutions to collect energy monitoring data for Advanced Rooftop Controller (ARC) projects submitted to PSE's incentive programs by PSE customers. The ARC Data Collection and Monitoring Pilot (the "Pilot") is funded by the National Renewable Energy Laboratory (NREL) with goals of improving the energy savings assumptions of ARC products, demonstrating the value of device data for promoting energy efficiency, and evaluating the feasibility of a single data specification to collect data from multiple products.

Each non-residential customer (the "Customer") receiving an ARC rebate from PSE is automatically enrolled in the Pilot. Data will be collected from Customer's ARC projects as described in and subject to the terms and conditions outlined in this document (the "Agreement"). All other non-residential PSE customers may enroll in this Pilot provided that they sign this Agreement. Upon customer enrollment in the Pilot, data will be collected only from ARC systems that are able to collect and transmit the data described in this Agreement. Pilot data will be collected, monitored, and analyzed by Energy Solutions in coordination with ARC manufacturers and on behalf of PSE and NREL. Personally identifiable information such as customer name and contact information is not collected through this Pilot.

Customers applying for a rebate through PSE's Advanced Rooftop Control Retrofit Program prior to the start of this Pilot may opt into the Pilot after it starts but will not be automatically enrolled. Customers applying for a PSE ARC rebate after the start of the Pilot may opt out of the Pilot at any time unless otherwise determined by PSE.

What data will be collected?

Three types of data will be obtained from customers' ARC systems and the [ARC Rebate Application](#):

1. Site information: the project ZIP code and building type (retail, office, etc.).
2. Information about the rooftop HVAC unit(s) in which ARC is installed: heating and cooling capacity, heating and cooling type, model and serial numbers, and demand response participation.
3. Monitoring information from the ARC control system collected approximately every 15 minutes: outdoor and supply air temperatures, heating and cooling setpoints, fan speed and power, electric and gas consumption, economizer and occupancy status, heating and cooling use by stage, environmental data such as humidity and carbon dioxide levels, and information on system faults.

To request the complete list of fields collected, please contact the Energy Solutions Project Manager, Sarah Braun, at sbraun@energy-solution.com.

How will data be stored and shared?

Energy Solutions will receive ARC system data from ARC manufacturer systems that collect monitoring data. Energy Solutions will use an electronic file transfer service with end-to-end encryption to receive data from the data providers. At the end of the project, aggregated data may be shared with PSE for storage in a PSE-administered cloud-based database. Fully anonymized aggregated data may be shared with NREL for storage in an NREL-administered cloud-based database.

Data collection will occur for the duration of the Pilot, from February 1, 2021 through September 13, 2021. The Pilot may be extended without notice and, in the event of an extension, data collection will end no later than June 30, 2022. Historic data from November 1, 2020 through February 1, 2021 may be requested and obtained.

At the end of the Pilot, Energy Solutions and NREL will produce a public report on the findings of the Pilot that will credit ARC manufacturers that provided data for the study. The report will focus on the use of the data specification and the value of the monitoring data to energy efficiency program administrators. The report will describe performance aggregated across groups of sites (ARC installations at retail locations vs. offices) but will not describe performance at individual participant sites and will not reference specific ARC providers or manufacturers in conjunction with monitoring performance data.

PSE, Energy Solutions, and NREL recognize the importance of regulations concerning data privacy and do not intend to collect data that constitute personal information or engage in activities that constitute sale of data.

Joint utility rebate program – Advanced Rooftop Unit Control (ARC) Participant Data Collection Agreement

Agreement

I acknowledge that the product(s) described in my Advanced Rooftop Controller incentive application have been purchased and installed at the location indicated and will be enrolled in the Pilot. I understand that PSE provides rebate incentives for measures that are designed to save energy but I acknowledge that estimated energy savings are not guaranteed and I understand that PSE has made no express warranties or representations with regard to these products or their installation. I acknowledge that I am responsible for meeting applicable code requirements, determining the adequacy of installation, and paying all amounts owed to contractors/suppliers.

I understand that participation in this Pilot does not authorize PSE to release my customer account information, including my billing and energy usage information, to third parties. I understand that additional releases may be authorized, consistent with terms posted on PSE's website and made available to me for review at the time this Agreement is signed. The disclosure of private information will comply with PSE's privacy policy and state regulation.

I understand that data collected from my ARC system may be aggregated and provided to PSE, and that this data may be provided to NREL after full anonymization. I acknowledge that I may opt out of this Pilot at any time by notifying the Energy Solutions Project Manager, Sarah Braun, at sbraun@energy-solution.com, or by notifying the PSE Program Coordinator, Lynne Greenberg, at lynne.greenberg@pse.com. I understand that this Pilot is subject to change or termination without prior notice.

By submitting an ARC rebate application to PSE between February 22, 2021 and December 31, 2021, I represent that I am an authorized representative of the Customer and that the Customer agrees to the terms and conditions outlined in this Agreement.

Alternatively, if I have not submitted an ARC rebate application to PSE in the specified time frame or if this agreement was not available to me at the time my ARC rebate application was submitted, I represent by signing below that I am an authorized representative of the Customer and that the Customer agrees to the terms and conditions outlined in this Agreement.

Customer (Business) Name		
Customer Signature	Print Name	
Title		Date

