



Advanced rooftop-unit controls

For commercial buildings

Full, lite, and single phase retrofits: Increase functionality • Maximize comfort • Optimize energy usage

Savings through the roof

Older inefficient rooftop-units can waste thousands of dollars annually.

By retrofitting those rooftop units with Advanced Rooftop-Unit Controls (ARC), building owners and operators can save money and make their building more comfortable.

PSE offers up to 100% of the total cost per unit for qualifying retrofits: Call an energy advisor or visit pse.com/arc today to confirm eligibility and incentives.

Additional terms and conditions may apply.
Utility participation and incentives vary.

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Benefits may include

- Improved comfort
- Improved indoor air quality
- Reduced fan usage
- Remote energy monitoring and control

How does it save energy?

ARC retrofits can reduce fan speeds up to 40% during the first stage of heating and cooling and 60% when no heating or cooling is needed.

Energy savings generally increase with higher hours of occupancy.

Incentive requirements

Pre-installation conditions:

The existing RTU must have the following characteristics:

- Be packaged unitary equipment (no split systems).
- Have greater than five tons of cooling capacity, except for ARC Single Phase equipment.
- Constant speed supply fan (RTUs with variable speed fans are not eligible).
- Heating must use electricity or gas provided by a participating utility.
- >20 years old and in good working order.

Post-installation conditions:

ARC Single Phase:

- An ECM motor or VFD and controller for variable speed fan operation.

ARC Lite:

- A VFD and controller for variable speed fan operation, or a multi-speed motor and controller for multi-speed fan operation.

Full ARC retrofits must additionally include:

- A digital, integrated economizer controller.
- Web-enabled control, monitoring and alarms.
- Demand control ventilation

Estimated incentives

- PSE offers up to 100% of the total cost per unit for qualifying retrofits.
- A typical project payback, including incentives, is about <1 to 7 years.
- If your project meets the above requirements, call an energy advisor or visit pse.com/arc today to confirm eligibility and incentives.

Visit pse.com/arc to view a qualified product list

Until the COVID-19 pandemic ends, PSE recommends reviewing the latest [ASHRAE guidance](#) on increasing the outside air volume of your rooftop units with your HVAC contractor or building maintenance engineer.

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