

LOWER YOUR ENERGY BILL with a rotary-screw air compressor with VSD.

ROTARY-SCREW AIR COMPRESSORS WITH VSD



Seattle City Light will pay up to 70% of project cost for upgrading to an energy efficient VSD rotary-screw air compressor.

Save money by replacing your standard rotary-screw air compressor with a compressor that has a variable speed drive (VSD) — and get a rebate from Seattle City Light.

Lower your electric bill

A rotary-screw compressor with a VSD adjusts the speed to match the load, so it uses up to 50% less electricity than a standard rotary-screw compressor. For example, replacing a standard 30 horsepower (HP) rotary-screw compressor with a 30 HP compressor with a VSD can save an estimated \$2,500 or more per year on your electric bill. For details, see estimated savings chart on reverse.

Decrease noise

New VSD rotary-screw compressors can be significantly quieter than older compressors, making for a more pleasant and safer work environment.

Get a cash rebate

We'll pay up to 70% of the project cost for switching to a VSD rotary-screw air compressor. For small compressors, under 34 HP, you'll get a simple rebate based on estimated first-year energy savings. For larger compressors, we'll perform pre- and post-metering analyses to calculate projected energy savings to determine your cash rebate.

HOW TO GET YOUR SEATTLE CITY LIGHT REBATE

- 1 Call (206) 684-3800.
- 2 Work with a City Light energy analyst to evaluate your project and estimate your rebate and energy savings.
- 3 Secure authorization from City Light prior to equipment purchase or installation.
- 4 Proceed with installation and contact City Light for final verification when work is complete.

ESTIMATED SAVINGS for replacing a standard rotary-screw air compressor with a VSD rotary-screw air compressor

TECHNOLOGY	ESTIMATED ANNUAL ENERGY USE	ESTIMATED ANNUAL ENERGY COST
Standard rotary-screw compressor — 30 HP	113,045 kWh	\$7,235
Rotary-screw compressor with VSD — 30 HP	54,545 kWh	\$3,491
Estimated Annual Savings	58,500 kWh	\$3,744

Chart assumes both air compressors are operating at one-half of full cubic feet per minute (CFM) capacity for 5,000 hours per year. Estimated annual energy cost is based on small-business rate of 6.38¢ per kWh.

Reduce your electric bill with help from Seattle City Light

Standard rotary-screw air compressors — commonly used for operating machinery, spray painting, and sand blasting in businesses such as laundries, printing presses, auto body shops and small manufacturers — are inefficient. Switch to a compressor with VSD for significant savings on your electric bill.

The amount of your energy savings, and therefore your rebate, will depend on factors such as the horsepower rating of your air compressor and how many hours a day you operate the unit.

The formula used to calculate the annual kilowatt-hour (kWh) savings is: HP (horsepower of your proposed variable-speed air compressor) x operating hours x \$0.39. The rebate is capped at 70% of the project cost.

Conservation is our most cost-effective energy resource

Seattle City Light offers incentives such as technical assistance and rebates to business and institutional customers to promote adoption of energy-saving technologies. We offer rebates because conservation is a cost-effective way to meet our future electricity needs

Reduce your carbon footprint

Adopting VSD rotary-screw compressors does more than save you money. Replacing a standard rotary-screw compressor with an energy-efficient VSD rotary-screw compressor may keep up to 68,000 pounds of CO₂ — a greenhouse gas — out of the atmosphere every year.

The City of Seattle is a national leader in protecting the environment. Seattle residents and businesses are joining in efforts to help reduce the negative impacts of climate change.



Seattle City Light is a publicly owned utility dedicated to exceeding our customers' expectations in producing and delivering low-cost, reliable power in an environmentally responsible and safe way. We are committed to delivering the best customer service experience of any utility in the nation.

Fact sheet data is based on estimated energy use and expense; actual savings will vary. To qualify for rebates, you must obtain project approval from Seattle City Light management prior to purchase or installation of equipment or materials. This program may change without notice and is subject to the availability of funds.

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