

MOTOR UPGRADE

Over the life of a motor, 95 percent of the total cost is operational. Reduce that cost with a motor upgrade.

Get long-term energy savings and upfront incentives from Duke Energy when you upgrade to an energy-efficient motor.

A motor upgrade could have a huge impact on your cost of doing business. Only 5 percent of the life cycle cost of a motor is the upfront cost – the rest goes toward operation costs.

Not only will your monthly energy cost be reduced by using an energy-efficient motor, but you could be eligible for efficiency incentives to help offset the cost of buying higher quality, energy-efficient motors versus inefficient models.

Take control of your energy costs the right way. Call Duke Energy for more information on motor upgrades and other energy-saving programs.

Incentive and savings example:

A 50-horsepower motor that runs for 3,000 annual hours has failed in your facility, so you purchase a 95 percent premium efficiency motor. You will save \$203 a year in operating costs and earn a \$95 rebate.

Savings load factor 75 percent and based on 11 cents per kilowatt-hour.



Incentive requirements:

1. Call Duke Energy for a required, FREE Business Energy Check.
2. Motors must be new.
3. If your project consists of motors 25 horsepower and smaller, you'll need a minimum of five motors to qualify for incentives.
4. Customer must provide copies of invoices and itemized inventory of equipment installed.

Available to all Florida nonresidential Duke Energy customers.

All required documentation must be submitted to your Energy Advisor within one year of the date of the invoice or Certificate of Occupancy.

Other requirements do apply.

Contact your Duke Energy Advisor for further details.

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Technical specifications on equipment eligibility

The following table presents the minimum efficiency (full-load nominal efficiency) required for incentive eligibility. The minimum efficiency requirement is the same for all types of motors and all speeds.

For all electronically commutated motors, 1 horsepower or less, the incentive is \$3.57 per motor.

Horsepower	Baseline Efficiency	Minimum Efficiency Eligible for Incentive	Incentive	Life Cycle Savings*
1	82.5%	85.5%	\$3.57	\$96
1.5	84.0%	86.5%	\$4.33	\$116
2	84.0%	86.5%	\$5.78	\$154
3	86.5%	89.5%	\$9.76	\$260
5	87.5%	89.5%	\$10.72	\$286
7.5	88.5%	91.7%	\$24.82	\$662
10	89.5%	91.7%	\$22.50	\$600
15	91.0%	92.4%	\$20.96	\$558
20	91.0%	93.0%	\$39.67	\$1,058
25	91.7%	93.6%	\$46.45	\$1,238
30	92.4%	93.6%	\$34.93	\$932
40	93.0%	94.1%	\$42.20	\$1,126
50	93.0%	94.5%	\$71.62	\$1,910
60	93.6%	95.0%	\$79.28	\$2,114
75	94.1%	95.4%	\$91.15	\$2,430
100	94.1%	95.4%	\$121.53	\$3,244
125	94.5%	95.4%	\$104.73	\$2,792
150	95.0%	95.8%	\$110.66	\$2,950
200	95.0%	96.2%	\$220.40	\$5,878
250	NA	96.2%	\$275.50	\$7,346

*Savings assumptions: 20-year life cycle, 2,000 annual hours of operation, 75 percent motor load and 10 cents per kilowatt-hour.

Contact your Duke Energy Advisor for further details.

877.372.8477 or fl.bec@duke-energy.com

Energy Efficiency for Business

