

BUSINESS

✓ Retrofit ✓ New Construction

# 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  
Progress 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 lifecycle 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 Progress Energy for more information on motor upgrades and other energy-saving programs.

Incentive and savings example:

A 50 HP 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 \$170 a year in operating costs and earn a \$75 rebate.

Savings load factor 75 percent and based on 9 cents per kWh.



## Incentive requirements:

1. Motors must be new three-phase and be 1 HP or larger.
2. If your project consists of motors 25 HP and smaller, you'll need a minimum of five motors to qualify for incentives.
3. Customer must provide copies of invoices and itemized inventory of equipment installed.

Other requirements do apply. Available to all Florida nonresidential Progress Energy customers. Visit [savethewatts.com](http://savethewatts.com) for more 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.

HP	Baseline Efficiency	Minimum Efficiency Eligible for Incentive	Premium Efficiency for Savings	Incentive	Lifecycle Savings*
1	82.5%	84.0%	85.5%	\$5	\$64
1.5	84.0%	84.0%	86.5%	\$5	\$78
2	84.0%	84.0%	86.5%	\$5	\$104
3	86.5%	87.5%	89.5%	\$9	\$176
5	87.5%	87.5%	89.5%	\$15	\$193
7.5	88.5%	89.5%	91.7%	\$18	\$447
10	89.5%	90.2%	91.7%	\$20	\$405
15	91.0%	91.1%	92.4%	\$30	\$377
20	91.0%	92.0%	93.0%	\$40	\$714
25	91.7%	92.4%	93.6%	\$50	\$836
30	92.4%	92.5%	93.6%	\$50	\$629
40	93.0%	93.1%	94.1%	\$60	\$760
50	93.0%	93.1%	94.5%	\$75	\$1,289
60	93.6%	93.7%	95.0%	\$90	\$1,427
75	94.1%	94.2%	95.4%	\$115	\$1,640
100	94.1%	94.6%	95.4%	\$150	\$2,188
125	94.5%	94.6%	95.4%	\$188	\$1,885
150	95.0%	95.1%	95.8%	\$225	\$1,992
200	95.0%	95.1%	96.2%	\$300	\$3,967
250	NA	95.4%	96.2%	\$375	\$4,959

Any motor size above 250 HP must be 95.4 percent and earn \$1.75 per HP.

\*Savings assumptions: 10-year life cycle, 9.5 hours, six days a week for 3,000 annual hours, 75 percent loading and 9 cents p/kWh.

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