



# PREMIUM EFFICIENCY MOTORS INCENTIVE PROGRAM



**ENERGYWISE™**  
Use less. Spend less. Do more.

## Why Purchase Premium Efficiency Motors?

For some businesses, energy consumption by electric motors may represent over half their electricity cost. One way to reduce that cost is to upgrade to premium efficiency motors.

Premium efficiency motors, are up to 8 percent more efficient than standard motors and are defined as motors that meet or exceed the standards set forth by the National Electric Manufacturers Association (NEMA) in NEMA's MG1-1993 publication.

Premium efficiency motors include design improvements, more accurate manufacturing tolerances and tighter windings. Design improvements that reduce electrical losses include lengthening the core, using steel with less electrical resistance, thinner stator laminations and more copper in the windings. Improved bearings and more aerodynamic cooling fans have also improved motor efficiencies.

Premium efficiency motors become more cost-effective when annual operation exceeds 2,000 hours, when motor repair costs are a significant fraction of the price of a replacement motor, or where electric utility motor rebates or other conservation incentives are available.



- The Premium Efficiency Motor Incentive Program is available to commercial and industrial retail customers of NPPD – or of NPPD's wholesale partners – that purchase and install premium efficiency motors.
- To participate, submit an application along with the required documentation to your participating utility. Be sure all terms and conditions on the back of the application are met before applying.

Premium Efficiency Motors Minimum Efficiency							
	TEFC <sup>1</sup>			ODP <sup>2</sup>			Incentive Payment
RPM	3600	1800	1200	3600	1800	1200	
HP							
1.0	78.5	85.5	82.5	84.0	85.5	82.5	<b>\$20</b>
1.5	85.5	86.5	87.5	85.5	86.5	86.5	<b>\$20</b>
2.0	86.5	86.5	88.5	86.5	86.5	97.5	<b>\$20</b>
3.0	87.5	89.5	89.5	86.5	88.5	88.5	<b>\$30</b>
5.0	89.5	89.5	89.5	97.5	89.5	89.5	<b>\$30</b>
7.5	91.0	91.7	91.7	90.2	91.0	91.7	<b>\$30</b>
10	91.7	91.7	91.7	91.0	91.7	92.4	<b>\$50</b>
15	92.4	93.0	92.4	91.7	93.0	92.4	<b>\$50</b>
20	92.4	93.0	92.4	92.4	93.0	93.0	<b>\$100</b>
25	93.0	94.1	93.6	93.0	93.6	93.6	<b>\$100</b>
30	93.0	94.1	93.6	93.0	94.1	94.1	<b>\$100</b>
40	93.6	94.5	94.5	93.6	94.5	94.5	<b>\$100</b>
50	94.1	94.5	94.5	94.1	94.5	94.5	<b>\$170</b>
60	94.5	95.0	95.0	94.5	95.0	95.0	<b>\$170</b>
75	94.5	95.4	95.0	94.5	95.4	95.0	<b>\$170</b>
100	95.0	95.8	95.4	94.5	95.4	95.4	<b>\$200</b>
125	95.8	95.8	95.4	95.0	95.8	95.4	<b>\$300</b>
150	95.8	96.2	96.2	95.0	96.2	95.8	<b>\$300</b>
200	96.2	96.2	96.2	95.8	96.2	95.8	<b>\$400</b>

<sup>1</sup> Total Enclosed Fan-Cooled (also includes explosion-proof)

<sup>2</sup> Open Drip-Proof



For program guidelines or application, please call Perennial Public Power District at (402) 362-3355 or go to [www.perennialpower.com](http://www.perennialpower.com) and click on Energy Wise programs.