

Industrial Motors & Motor Systems Breakout Session


Industrial Motors: Assessing Program Options Beyond NEMA Premium®

January 15, 2009
CEE January Meeting
San Francisco, CA



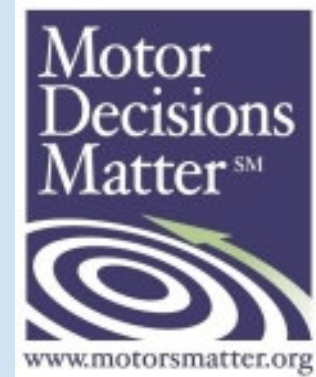
Working Together, Advancing Efficiency

CEE Motors & Motor Systems Initiative

The logo for NEMA Premium, featuring the word "NEMA" in a large, bold, black sans-serif font above the word "Premium" in a smaller, bold, black sans-serif font, both contained within a white rectangular box with a black border.

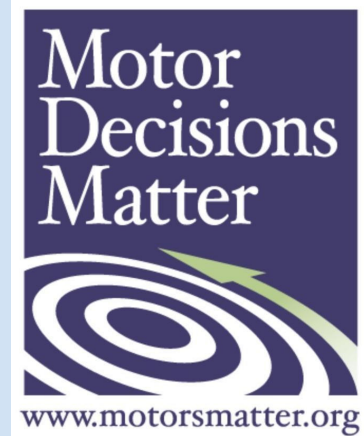
- Launched in 1996
- CEE Tier 1 Efficiency Specification
 - 1 – 200 HP, Low-voltage, General-purpose
 - Aligned with NEMA Premium[®] in 2001
- Guidance Specification for 250-500HP
 - General recommendations
 - Operating and application information
- Motor Selection and Application Considerations brochure

Motor Management: Motor Decisions MatterSM



- A national campaign designed to improve the way industrial motor repair/replace decisions are made by promoting the financial and performance benefits of sound motor management policies
 - Increase awareness of motor management opportunities
 - Increase demand for NEMA Premium[®] motors & best practice motor repair
 - Encourage the market to engage in motor planning
- Collaborate nationally to enhance local effectiveness

MDM Tools & Resources



MDM Tools

- Motor Management How-to Guide
- Motor Planning Kit
- MotorSlide Calculator, Simple Savings Chart
- 1*2*3 User's Guide & Spreadsheet

MDM Resources

- MDM Website: Campaign Hub
- Events: Spotlight Calls, Webcasts
- Highlight other relevant materials: DOE, EPA

Motors & Motor Systems: 2008

Objective: Identify and pursue new program strategies, expand delivery of motor management message

- Identified
 - enhanced performance specification (1-200 hp)
 - adjustable speed drives
 - motor management (including early retirement)
 - best practice repair
 - system optimization opportunities
- Pursued
 - draft CEE Tier 2 (1-200 hp, general purpose motors)
 - other potential new program opportunities



Working Together, Advancing Efficiency

Motor & Motor Systems: 2009

Objective: Solidify new program strategies

- Finalize CEE Tier 2 (1-200 hp) exploration
- Identify motor system opportunities for drives
- Further investigate program next-step options:
 - Motor management
 - Best practice repair
 - Other system optimization strategies



Working Together, Advancing Efficiency

Motor Management & MDM: 2008

Objective: Implement Phase 3 Business Plan

- Outreach & Partnership Development
 - Facilitate collaboration among industry partners
 - Increase participation in efficiency programs
- Serve as a “Go-to” motor efficiency resource
 - EISA: Overview Webcast, resource summaries
 - Identify DOE & EPA resources
 - Motor Mgmt. Basics & MDM Tools Webcasts
 - Sponsor Spotlight calls: BC Hydro

Motor Management & MDM: 2009

Objectives: Implement Phase 3 Business Plan; increase regional and local MDM delivery; identify next steps

- Regional workshops: outreach & partnership development:
 - Facilitate collaboration among partners
 - Increase participation in efficiency programs
- Go-to resource for motor efficiency information
 - EISA: Monitor developments
 - Webcasts: Motor Mgmt. Basics & MDM Tools
 - Spotlight calls: highlight Sponsor programs
- Identify Next Steps for Campaign
 - Motor System Management
 - Other Opportunities

Today's Focus: Unique Programs

- Motor Upgrade Program
 - Bob Zaragoza, XCEL Energy
- Motor Rewind Program
 - Erin Hope, Bonneville Power Administration