

Opportunities for Collaboration

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Consortium for Energy Efficiency



Together We Can Change National Markets

Today's Outline

- Historical perspective on collaboration
- Why nationwide collaboration is important today
- Why collaboration is locally invaluable
- Current national collaborations
- Works in progress

Why collaborate? – Lessons Learned

With other Efficiency Programs

- Markets are larger than program areas
 - National markets can't respond to Tower of Babel efficiency programs
- Aligning specifications and programming
 - A louder and clearer message to the market allows you to do more with less

With other Market Participants

- Tap the market participants' understanding of their markets
 - They live or die by their knowledge of the market
- Leverage the self-interest of market participants to advance efficiency
 - Allows your limited resources to be more cost effective

Collaboration Layering

- Statewide programming
- Regional programming
- National alignment, promotion
- National brands and marketing platforms
- National programming
- National partnerships

Historical Efficiency Program Collaborations

- SERP – Super Efficient Refrigerator Program
- ENERGY STAR
- Residential Clothes Washers
- Premium Efficiency Motors



Types of Efficiency Program Collaborations at CEE

- Common Specifications of High Efficiency
- Common Brands for Energy Efficiency
 - ENERGY STAR
 - NEMA Premium
- CEE Initiatives and Industry Partnerships

Current CEE Specifications

- Residential Appliances
 - Clothes washers
 - Dishwashers
 - Room and Central AC
 - Refrigerators
- Gas Furnaces
- Traffic signals
- Commercial Clothes Washers
- Commercial Unitary AC
- Commercial Refrigeration
 - Solid door Reach-In Refrigerators
 - Solid door Reach-In Freezers
 - Glass door Reach-In Refrigerators
 - Ice Makers
- Motors
- Transformers
- T-8 Lighting Systems (F32T8)

National Brands Promoted by Efficiency Programs



Current Efficiency Program Collaborations at CEE

- ENERGY STAR Survey
- CEE/ARI HVAC Directory
- Lighting for Tomorrow
- Motor Decisions Matter (MDM)

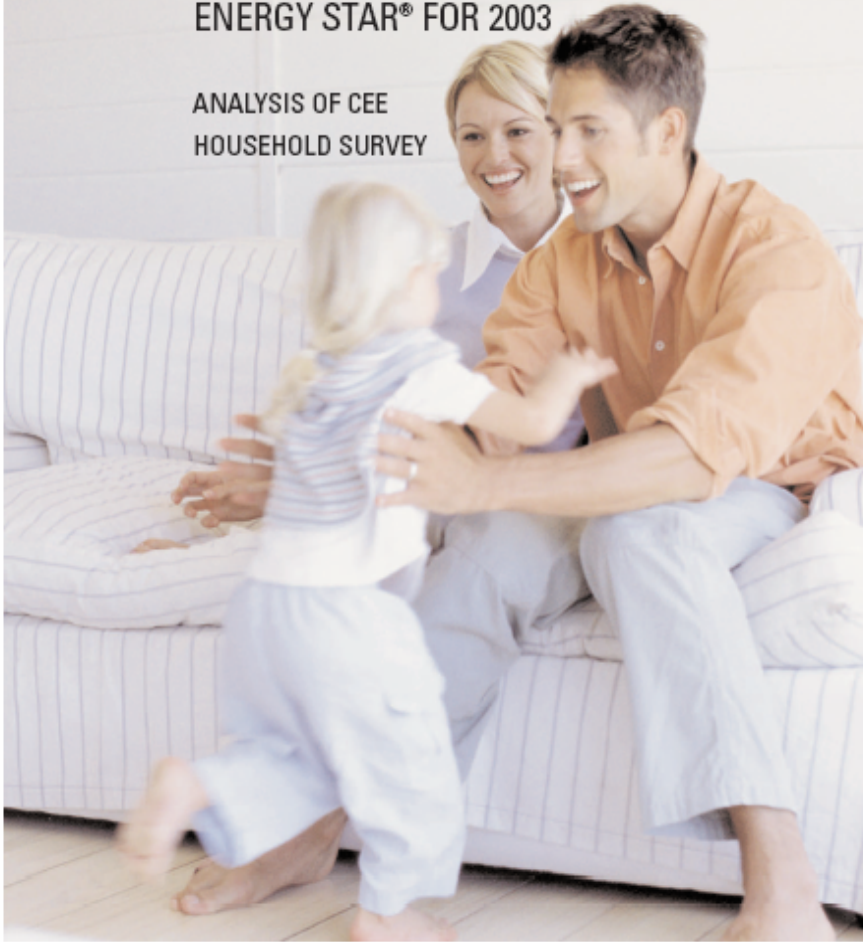


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BETTER WITH
ENERGY STAR

Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.
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NATIONAL AWARENESS OF
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ANALYSIS OF CEE
HOUSEHOLD SURVEY



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CEE Directory of ARI Verified Equipment



Introduction

The CEE/ARI Verified Directory identifies a list of products (less than 65 Mbtuh) that the manufacturer represents meeting energy performance tiers established by the Consortium for Energy Efficiency (CEE) as part of the Air Conditioner and Heat Pump Initiative and the High-Efficiency Commercial Air Conditioning Initiative. These make use of tiers to differentiate equipment on the basis of energy performance with a higher tier representative level of claimed performance. Additional information on these CEE Initiatives can be found at www.CEE1.org

All products identified by the Directory are ENERGY STAR® qualified, a distinction granted by the US Environmental Protection Agency for energy efficient central air-conditioning and heat pump equipment. More information on ENERGY STAR can be found at www.energystar.gov



CEE would like to acknowledge the following efficiency program administrators for providing financial support development of this database.

- Connecticut Light & Power/Northeast Utilities
- Energy Trust of Oregon
- National Grid USA
- Nevada Power and Sierra Pacific Power
- New Jersey Clean Energy Program
- New York State Energy Research and Development Authority (NYSERDA)
- NSTAR
- Pacific Gas and Electric (PG&E)
- San Diego Gas and Electric (SDGE)
- Sacramento Municipal Utility District (SMUD)
- Southern California Edison (SCE)
- TXU Electric Delivery
- United Illuminating (UI)

AC SEARCH - CEE Certification Directories - Microsoft Internet Explorer

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Verified Directories A/C Search



ARI Reference Number	<input type="text"/>	CEE Tier	Please Select a Tier Please Select a Tier Residential Tier 1 Residential Tier 2 Residential Advanced Tier Small Commercial Tier 2 Maximum
Model Number	Condensing Unit <input type="text"/>	Coil, Blower Coil, or Furnace <input type="text"/>	Maximum <input type="text"/>
Condensing Unit Manufacturer			
Please select a Manufacturer <input type="text"/>			
Evaporator Coil Manufacturer			
Please select a Manufacturer <input type="text"/>			

Internet



Together We Can Change National Markets

- Bonneville Power Administration
- Cape Light Compact
- Efficiency Vermont
- Long Island Power Authority
- National Grid
- New Jersey Clean Energy
- NEEP
- Connecticut L&P
- Northwest Energy Efficiency Alliance
- NSTAR
- NYSERDA
- Pacific Gas & Electric
- Sacramento Municipal Utility District
- San Diego Gas & Electric
- Southern California Edison
- United Illuminating Co.
- Unitil Corporation
- Western Massachusetts Electric Co.



Grand Prize
"Salem" by
American Fluorescent



Second Place (3-way tie)



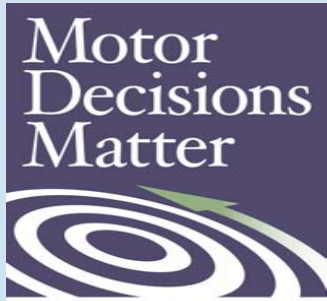
"Soli" by
Lightolier"



"Torch" by
Forecast Lighting



"Between 2 ShapeS" by
Scandinavian Light



THE 1-2-3 APPROACH

CEE member Sponsors

ComEd

National Grid

NEEP

Northeast Utilities

Northwest Energy Efficiency Alliance

NSTAR Electric & Gas

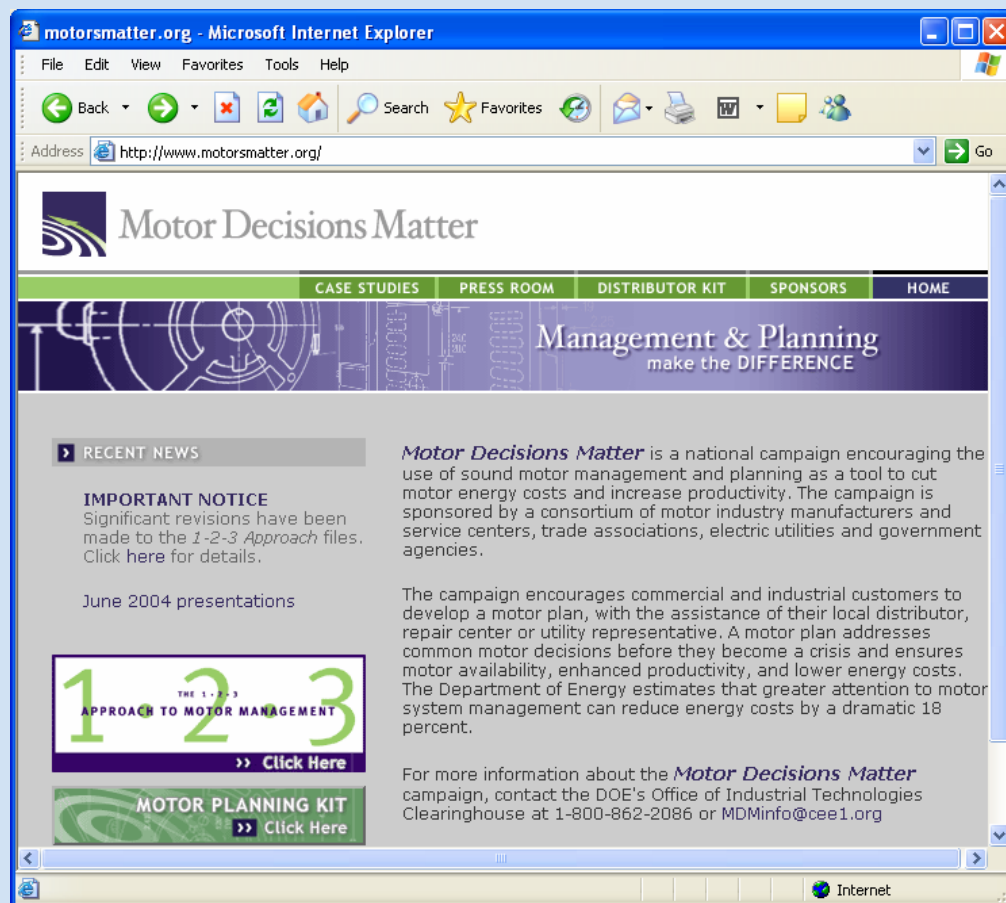
NYSERDA

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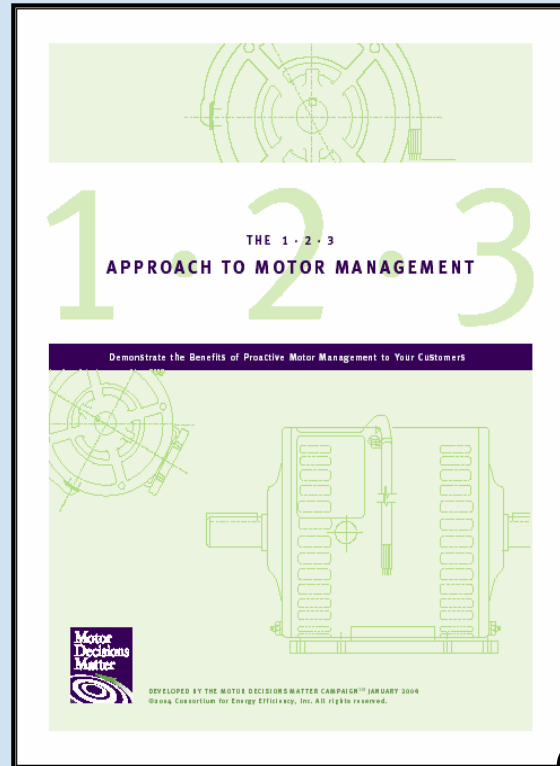
Southern California Edison

Xcel Energy

Industry Sponsors-NEMA-EASA-Motor Companies



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The 1-2-3 Approach to Motor Management: Input Page

Motor Decisions Matter

Company Information

Company Name	Contact
Location	Date Evaluated (mm/dd/yy)

Input: Representative Motor 1 * Required fields

Motor Nameplate Data	Motor Application Information	
Motor ID *	Year motor installed	
Manufacturer	Motor location	
Model	Application	
Size (hp) *	Total yearly operating hours *	
RPM *	Actual load (amps) (optional)	
Enclosure type	Repairs/Rewinds	
Full-load efficiency(%) *	Quantity of similar motors *	
Frame size and type	New Motor & Best Practice Rewind Costs	
Voltage rating	Motor Installation Cost *	
Full-load amps	NEMA Premium Motor Cost *	
Financial Information		
Cost of Electricity (note 1) *	NEMA Premium Efficiency *	
Desired Payback Period (yrs)	EPAc Motor Cost *	
Horsepower breakpoint (hp)	EPAc Motor Efficiency *	
	Best Practice Rewind Cost *	

Results: Representative Motor 1

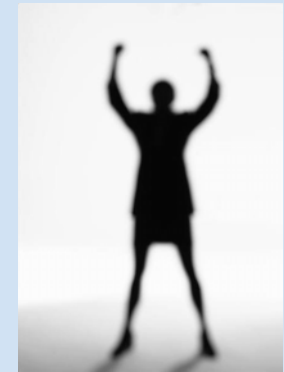
All values represent results for one motor. To see cumulative results for the full quantity of similar motors, go to the Summary page.

	Act Now		Act Upon Motor Failure		
	Current Costs (Base Case)	Replace Immediately with NEMA Premium	Rewind Using Best Practice (Base Case)	Replace with EPAc	Replace with NEMA Premium
% of Full Load (if available)					
Annual Energy Cost					
Capital Investment	N/A				
Incremental Investment Cost	N/A		N/A		
Annual Energy Savings	N/A		N/A		
Net Present Value	N/A		N/A		
Return on Investment	N/A		N/A		
Simple Payback Period	N/A		N/A		

Decision: Representative Motor 1

Review the results with your customer. Decide on the appropriate course of action. Then, click the corresponding button and the 1-2-3 software will generate label(s) that you can use to tag this representative group of motors. It will also enter the decision in the 1-2-3 Motor Inventory.

Act Now	Act Upon Motor Failure			
Replace Immediately with NEMA Premium	Rewind Using Best Practice	Replace with EPAc	Replace with NEMA Premium	



Customer

Leverage Allies

Energy and Non-Energy Benefits

Deliver a Simple Message

Current Collaborations

- ENERGY STAR – our marketing platform
- Raising Appliance Efficiency
- Promoting efficient residential lighting
- Minimizing Air conditioners' peak load
- NEMA Premium motors
- Motor Management Planning

Collaborations in Progress

- Gas furnace air handlers
- Next water-energy national initiative
- Drive systems
- Residential HVAC Quality Installation (QI)
- Water and Wastewater Facility Efficiency
- Commercial Lighting
- Commercial building management



Thank you

**More information:
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www.cee1.org