

Dairy Farm Energy Efficiency Checklist

You can use this form to determine if there are potential energy savings for your farm that could be captured in an energy audit. If you have one or more item(s) that can be answered “yes”, an energy audit may be needed for your farm. Once you have filled out this form appropriately, you should discuss the results with an MU Extension Natural Resource Engineering Specialist located near your farm (contact information is listed below). This form has been adapted for use from the MAESTRO (Missouri Agricultural Energy Savings Team - A Revolutionary Opportunity) Program and was originally developed by EnSave.

- Do you have a single phase vacuum pump rather than a variable speed drive?
- Do you lack a water pre-cooler?
- Do you have single phase milk transfer pump rather than variable speed drive?
- Do you have reciprocating compressors rather than scroll compressors?
- Are you using incandescent lights, standard metal halide lamps, mercury vapor lamps, halogen lamps, or older T12 fluorescent fixtures?
- Do you lack a Compressor Heat Recovery (CHR) for your water heater?
- Are some of your circulation fans older than 10 years?
- Are there large motors on the farm that are old and run for more than 6 hours a day?

YES	NO

David Brune
 Professor
 229 Agriculture Engineering
 Columbia, MO 65211
 (573) 882-0689
 bruned@missouri.edu

James Crawford
 Natural Resource Engineer
 201 Hwy. 136 East
 Rock Port, MO 64482
 (660) 744-6231
 crawfordj@missouri.edu

Joe Zulovich
 Extension Ag. Engineer
 231 Agriculture Engineering
 Columbia, MO 65211
 (573) 882-0868
 zulovichj@missouri.edu

Charlie Ellis
 Natural Resource Engineer
 880 West College
 Troy, MO 63379
 (636) 528-4613
 ellisce@missouri.edu

Robert Schultheis
 Natural Resource Engineer
 800 S. Marshall Street
 Marshfield, MO 65706
 (417) 859-2044
 schultheisr@missouri.edu

Kent Shannon
 Natural Resource Engineer
 1012 N. Hwy. UU
 Columbia, MO 65203
 (573) 445-9792
 shannond@missouri.edu

Frank Wideman
 Natural Resources Engineer
 321 North Main, Suite 1
 Perryville, MO 63775
 (573) 547-4504
 widemanf@missouri.edu