



United States
Department of
Agriculture

**Farm Energy Improvement Practices
Implementation & Certification Record**
Natural Resources Conservation Service - Iowa

IA – ENG – 25
July 2014

Producer Name: _____ County: _____ Tract No. _____

Auditor Name: _____ TSP (Yes or No) _____ Date of Audit: _____

Item No.	Implementation Plan		Completion Record		
	Description of Components to Install or Replace based on Energy Audit or Practice Design/Plans. Attach detailed specifications as applicable	Planned Number to Install or Replace	Actual Number Installed or Replaced	Date of Completed Installation or Replacement	Comments – Describe Evidence of Installation or Replacement – Attach copies of supporting evidence (pictures, receipts, etc).
1					
2					
3					

A copy of the energy audit for this site, including a plan view showing the location of the measures in relationship to other structures, will be retained by NRCS as supporting documentation.

<p>USDA Program Participant Certification To the best of my knowledge these records accurately reflect the actual actions implemented in accordance with the recommendations in the energy audit.</p> <p>_____ <i>USDA Program Participant Signature</i></p> <p>_____ <i>Date</i></p>	<p>NRCS Acceptance Completed practice meets NRCS standards and specifications.</p> <p>_____ <i>NRCS Representative Signature</i></p> <p>_____ <i>Date</i></p>
--	--

<p>Installation Certification I certify that installation was completed according to sound industry standards.</p> <p>_____ <i>Landowner or Contractor Signature</i></p> <p>_____ <i>License #</i></p> <p>_____ <i>Date</i></p>	<p>Electrical Certification Electrical wiring, fixtures, electrical appurtenances, etc., if required by energy audit, have been installed by certified electrician according to local electrical requirements.</p> <p>_____ <i>Master Electrician Signature</i></p> <p>_____ <i>License #</i></p> <p>_____ <i>Date</i></p>
--	---

<p>Plumbing & Mechanical Certification I certify that the installation of plumbing (including gas lines) and mechanical components were installed by certified master plumbing and mechanical personnel according to sound industry practice and local code requirements.</p> <p>_____ <i>Master Plumbing/Mech Signature</i></p> <p>_____ <i>License #</i></p> <p>_____ <i>Date</i></p>
--

Appendix A: List of Recommended Licensing Requirements for Installation^{1,4}

Payment Scenario	Specialized Components	Provider of Installation Certification Statement ^{2,3,4}
374 - Farmstead Energy Efficiency Practices		
#1 - Ventilation, Exhaust	Fans, Wiring, Controls	Licensed Electrician
#2 - Ventilation, Horizontal Air Flow (HAF)/Stir Fan	Fans, Wiring, Controls	Licensed Electrician
#3 - Ventilation - Cool Cell, Evaporative Cooling System	Pumps, Piping, Controls, etc	Equipment Supplier
#4 - Refrigeration - Plate Cooler	Piping	Equipment Supplier/Landowner
#5 - Refrigeration - Scroll Compressor	Compressor, Controls, Wiring, etc	Equipment Supplier
#6 - Refrigeration - Compressor Heat Recovery System	Piping, etc	Equipment Supplier
#7 - Controller - Variable Speed Drive for ≤1 HP Motor	VSD, Wiring, Controls	Licensed Electrician
#8 - Controller - Variable Speed Drive for >1 to <10 HP Motor	VSD, Wiring, Controls	Licensed Electrician
#9 - Controller - Variable Speed Drive for 10 to <50 HP Motor	VSD, Wiring, Controls	Licensed Electrician
#10 - Controller - Variable Speed Drive for ≥ 50 HP Motor	VSD, Wiring, Controls	Licensed Electrician
# 11 - Controller - Single Function Automatic Controller System	Wiring, Controls, Software, etc	Licensed Electrician
#12 - Controller - Multiple Function Automatic Controller System	Wiring, Controls, Software, etc	Licensed Electrician
#13 - Motor - ≤ 1 HP Electric Motor Upgrade	Motors, Wiring, Controls	Licensed Electrician
#14 - Motor Upgrade >1HP and <10HP	Motors, Wiring, Controls	Licensed Electrician
#15 - Motor - > 1 to <10 HP Electric Motor Upgrade	Motors, Wiring, Controls	Licensed Electrician
#16 - Motor - 10 - <50 HP Electric Motor Upgrade	Motors, Wiring, Controls	Licensed Electrician
#17 - Motor - ≥ 50 HP Electric Motor Upgrade	Motors, Wiring, Controls	Licensed Electrician
#18 - Motor - Variable Speed Electric (Split Phase)	Motors, Wiring, Controls	Licensed Electrician
#19 - Heating - Radiant Systems	Heaters, Gas Lines, Wiring, Controls	Licensed Electrician, Licensed HVAC Contractor
#20 - Heating - Building	Heaters, Gas Lines, Wiring, Controls	Licensed Electrician, Licensed HVAC Contractor
#21 - Heating - Attic Heat Recovery Vents	Carpentry, Vents	Licensed General Contractor or Landowner
#22 - Grain Dryer	Grain Dryer, Motors, Fans, Wiring, Controls, Gas Lines	Licensed Electrician, Licensed HVAC Contractor, and Equipment Supplier
670 - Lighting System Improvement		
#1 - Lighting, CFL	None	Licensed Electrician or Landowner
#2 - Lighting, LED	None	Licensed Electrician or Landowner
#3 - Lighting, Linear Fluorescent Fixtures	Lighting Fixtures, Wiring	Licensed Electrician
#4 - Lighting - Outdoor/High Bay	Lighting Fixtures, Wiring	Licensed Electrician
#5 - Controller - Single Function Automatic Controller System	Wiring, Controls, Software, etc	Licensed Electrician
#6 - Controller - Multiple Function Automatic Controller System	Wiring, Controls, Software, etc	Licensed Electrician
672 - Building Envelope Improvement		
#1 - Building Envelope, Attic Insulation	Carpentry, Insulation	Licensed General Contractor or Landowner
#2 - Building Envelope - Wall Insulation	Carpentry, Insulation	Licensed General Contractor or Landowner
#3 - Building Envelope, Sealant	Carpentry, Insulation	Licensed General Contractor or Landowner
#4 - Building Envelope - Greenhouse Screens	Carpentry, Insulation	Licensed General Contractor or Landowner
#5 - Building Envelope - Greenhouse Unglazed Wall Insulation	Carpentry, Insulation	Licensed General Contractor or Landowner
#6 - Building Envelope - Insulated Door Upgrade	Carpentry, Insulation	Licensed General Contractor or Landowner
#7 - Building Envelope - Insulated Curtain Upgrade	Carpentry, Insulation	Licensed General Contractor or Landowner
#8 - Building Envelope - Curtain Wall Conversion	Carpentry, Insulation	Licensed General Contractor or Landowner

Notes:

¹ This appendix should serve as a recommendation and may not apply to every possible situation. The person with Engineering Job Approval Authority should use the above table as a guide to determine which installation certification statements are absolutely required.

² In addition to Master Electrician/Plumbing and Mechanical Systems certification, any highly specialized equipment that is installed should be certified by a technical representative from the equipment supplier/vendor/manufacturer. The above table indicates this is required for several scenarios; however, this should be applied to all scenarios if a non-standard item is being installed. The Area Engineer reserves the right to require a supplier/vendor/manufacturer certification statement when deemed necessary to ensure an acceptable installation.

³ All licenses must be current and issued in the State of Iowa at a minimum level of Master Electrician or Plumbing and Mechanical Systems.

⁴ Area Engineer shall require a more detailed plan if the energy audit does not provide enough detail to implement the planned practice.