2017 TOUCHSTONE ENERGY® HOME PROGRAM CHECKLIST

Dairyland Power Cooperative System Only

Requirement Category	Requirement Detail	Requirement	Check one checkbox for each requirement below	
			Meets Requirement	Not Applicable
Foundation	Basement wall	R-15. R-20 if more than half the insulation is on the interior of the mass wall.	☐	☐
	Crawlspace wall	R-15. R-20 if more than half the insulation is on the interior of the mass wall.	☐	☐
	Ground cover	6-Mil vapor barrier taped at all joints with 6" overlap	☐	☐
	Slab	R-10 to depth of 4 ft	☐	☐
Insulation	Floor over crawlspace	R-30	☐	☐
	Ceilings without attic spaces	R-49. If insufficient space for R-49, then R-30, but is limited to 500 sq ft or 20% of insulated ceiling, whichever is less.	☐	☐
	Ceilings with attic spaces	R-49. Wherever full height of uncompressed insulation extends over the wall top plate at the eaves, R-38.	☐	☐
	Wood frame wall	R-20 cavity insulation + R-5 exterior insulation, or R-13 cavity insulation + R-10 exterior insulation	☐	☐
	Knee walls	If 6" wall: R-20 in cavity, R-5 outside of knee wall.	☐	☐
		If 3 1/2" wall: R-13 in cavity, R-10 outside of knee wall.		
	Mass wall: poured concrete or log	R-15. R-20 if more than half the insulation is on the interior of the mass wall.	☐	☐
	Circulating hot water pipes	R-3 with manual off switch	☐	☐
	Mechanical system piping	R-3 if piping over 105 degrees Fahrenheit or under 55 degrees Fahrenheit	☐	☐
Windows/ Doors	Fenestration	U-Factor 0.32 maximum or ENERGY STAR® labeled	☐	☐
	Glazed fenestration	No requirement	☐	☐
	Window/Glass	U-Factor 0.32 maximum or ENERGY STAR labeled	☐	☐
	Skylight	U-Factor 0.55 maximum	☐	☐
	Doors	Metal insulated (exception for entry). Performance same as 2004 IECC: insulated	☐	☐
		metal U-0.6, wood U-0.5, insulated nonmetal edge, max 45% glazing, any glazing		
		double pane U-0.35		
Equipment	HVAC	Heat pump recommended & must be properly sized in accordance with ACCA	☐	☐
		Manual S, based on building loads calculated in accordance with ACCA Manual J or		
		other approved methodologies. Dual Fuel gas furnace must be closed combustion,		
		90+ AFUE, & have ducted intake & exhaust. Temperature controls must be		
		installed, including a programmable thermostat where required.		
	Water heating	Electric or heat pump recommended, or else closed combustion. Efficiency for electric: 50 gallon=0.93 EF; > 50 gallon=0.89 EF	☐	☐
	Appliances	Recommend ENERGY STAR where applicable	☐	☐
	Can lights	Insulation contact rated and air tight	☐	☐
Exhaust	Exhaust systems	Outdoor air intakes and exhaust shall have automatic or gravity dampers that close	☐	☐
		when system is not operating. Sump pump basins should be sealed.		
	Attic ventilation	Vented with aperture = 1 sq ft per 300 sq ft ceiling area. Conditioned attics allowed.	☐	☐
	Kitchen & bath ventilation	Per local or state codes	☐	☐
Ductwork &	Duct work	Strongly recommended to be located in conditioned area. If supply and return	☐	☐
Air Infiltration		outside of thermal envelope: R-12 - ducts in floor trusses outside of thermal		
Control		envelope; R-10 - insulation can be in form of duct wrap or equivalent coverage with		
		building insulation materials. Building cavities cannot be used as supply ducts.		
		Ducts shall be sealed with mastic and mesh or U1-181a aluminum tape.		
	House wrap	Required and must be installed per manufacturer's recommendation.	☐	☐
	Sealing	Limit air leakage by sealing: 1) Joints, seams & penetrations 2)Site-built windows,	☐	☐
		doors & skylights 3) Openings between window & door assemblies & respective		
		jambs & framing 4) Utility penetrations 5) Dropped ceilings or chases adjacent to		
		thermal envelope 6) Knee walls 7) Walls & ceilings separating a garage from		
		conditioned spaces 8) Behind tubs & showers on exterior walls 9) Can lights &		
		bath fan housings 10) Common walls between dwellings 11) Ducts, air handlers,		
		filter boxes, & building cavities used as ducts 12) Other sources of infiltration		