

Lyon REC News



September 2011

Phone : 712-472-2506 or 1-800-658-3976 ~ Website : www.lyonrec.coop

Office Hours : Monday thru Friday 7:30 a.m. to 4:30 p.m.

LEAKY DUCTS WASTE HEAT, A/C

If your heating or air conditioning bills are creeping upward, or if someone in the house is stuffed up and sniffing while they're indoors but fine once they leave, you could have a problem with your ducts.

If those ducts were improperly installed, or if they're old, they could start leaking at the joints. Once that happens, your house can lose 20 percent to 40 percent of its conditioned air through those leaks.

The test to locate the leaks usually costs less than \$150, and it can help lower your heating and cooling bills, extend the life of your air conditioning system and make your house feel more comfortable.

2011-2012 IOWA HOME ENERGY ASSISTANCE PROGRAM

WHEN TO APPLY:

- **Elderly (60 & over) and/or disabled:**
October 3, 2011 to April 30, 2012
- **All other households:**
November 1, 2011 to April 30, 2012

WHAT TO TAKE:

- **Proof of Income** (for all household members age 19, and over)
Most recent 3 months' check stubs, award letter from Social Security or 2010 tax return
- **Social Security numbers for all household members (documentation required)**
- **Recent heat bill**
- **Recent electric bill**
- **Recent telephone bill**

WAGE EARNERS:

Please bring copies of your check stubs for the three-month period preceding the date of application, or a copy of your federal income tax return.

FIXED INCOME:

This income may include: Social Security Benefits, Supplemental Security Income, Family Investment Program, Veteran's Assistance, Unemployment Insurance, and pensions. Please bring copies of your most recent 3 months' check stubs.

SELF-EMPLOYED/FARMERS:

Please bring a copy of your most recent federal income tax return.

FIP RECIPIENTS:

Please bring your current DHS Notice of Decision or contact your local office for acceptable document information.

If you receive alimony or child support, it will also need to be verified.

2011-2012 IOWA HOME ENERGY ASSISTANCE PROGRAM

ATTENTION: RESIDENTIAL CUSTOMERS NEED HELP WITH YOUR HEATING BILL?

The 2011-2012 Low-Income Home Energy Assistance Program (LIHEAP) has been established to help qualifying low-income Iowa homeowners and renters pay for a portion of their primary heating costs for the winter heating season.

The assistance is based on household income, household size, type of fuel, and type of housing.

If you are not sure where to apply, please write to:

LIHEAP
Iowa Department of Human Rights
Capitol Complex
Des Moines, IA 50319

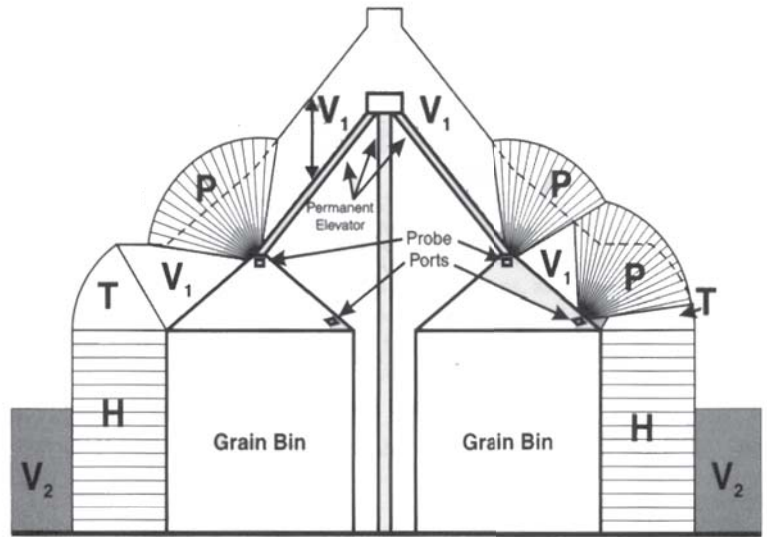
or, call your local community action agency.

Household Size	INCOME MAXIMUMS	
	Three Month Gross Income	Annual Gross Income
1	\$ 4,084	\$ 16,335
2	\$ 5,516	\$ 22,065
3	\$ 6,949	\$ 27,795
4	\$ 8,381	\$ 33,525
5	\$ 9,814	\$ 39,255
6	\$ 11,246	\$ 44,985

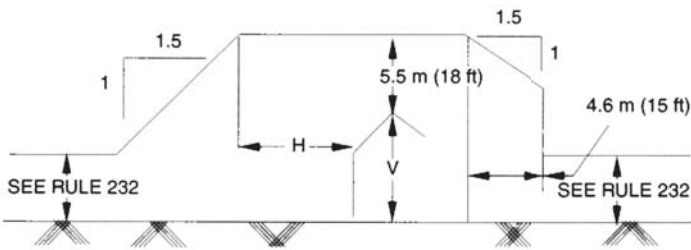
For households with more than six members, add \$1,433 per three months, or \$5,730 annually for each additional member.

GRAIN BIN CLEARANCE

- Legend
- P = probe clearance 5.5 m (18 ft) required by Rule 234F18
 - H = horizontal clearance 4.6 m (15 ft) required by Rule 234F1b
 - T = transition clearance
 - V1 = verticle clearance above a building required by Rule 234C (Table 234-1)
 - V2 = Vertical clearance above land required by Rule 232C



Dimension V is determined by Rule 234C and Table 234-1, Row 1b(2).



V = HEIGHT OF HIGHEST FILLING OR PROBING PORT ON GRAIN BIN
 H = V + 5.5 m (18 ft)

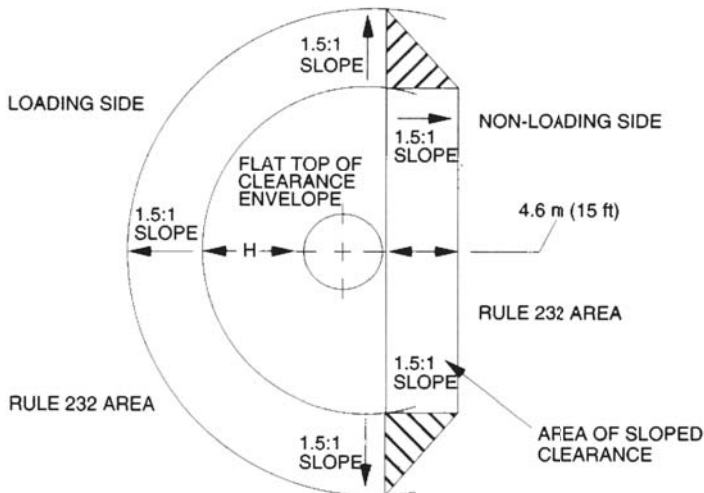


Fig 234-4(b)

When you start planning for a new grain bin, please contact your electric cooperative. Lyon REC and L&O Power Cooperative will provide assistance in planning for a safe environment for everyone working and living around grain bins. The State of Iowa require specific clearances for electric lines around grain bins, with different standards for those filled by portable and permanent augers, conveyors, and elevators.

Below are drawings of the specific clearances required for both scenarios. If you have any questions concerning the drawings, please contact your electric cooperative.

According to the Iowa Electric Safety Code found in Iowa Administrative Code Chapter 199 - 25.2(3) b. An electric utility may refuse to provide electric service to any grain bin built near an existing electric line which does not provide the clearances required by The American National Standards Institute (ANSI)C2-2007 "National Electrical Safety Code," Rule 234f. This paragraph "b" shall apply only to grain bins loaded by portable augers, conveyors or elevators and built after September 9, 1992, or to grain bins loaded by permanently installed augers, conveyors or elevators built after December 24, 1997. (As adopted by the Iowa Utilities Board)

The cooperative is required by the Iowa Utilities Board to provide this annual notice to farmers, farm lenders, grain bin merchants, and city and county zoning officials. If you have any questions concerning clearance regulations, please call Lyon Rural Electric Cooperative or L&O Power Cooperative.

NEW LIGHTING OPTIONS LIGHT UP MARKET

LYON RURAL ELECTRIC COOPERATIVE CUSTOMERS TO BENEFIT FROM ENERGY-EFFICIENT LIGHTING SALE.

A trip down the light bulb aisle shows how advanced lights have become. There are more lighting options now than at any prior point in history. And for customers of area utilities, like Lyon Rural Electric Cooperative, this is a good thing. They can now take advantage of energy-efficient lighting that is attractive, fits unique fixtures, and is available at a low price September 1, 2011 through December 16, 2011, while supplies last.

It's an exciting time for energy-efficient lighting. LEDs, the most energy-efficient lighting option on the market, are out and work superbly for task lighting. CFLs now come in warm tones, more than seven shapes, are dimmable and can work for outdoor lighting. The right lighting choice saves energy and saves customers money.

New light bulb labels

Starting in 2012, customers will have an easier time comparing light bulbs and deciding which ones are right for them. In compliance with the Energy Independence and Security Act of 2007 (EISA), manufacturers will be printing a nutrition-like label on light bulb packaging helping standardize information about light bulbs.

2012 Lighting Facts label will show:

- Brightness (lumens)
- Estimated annual energy cost
- Bulb's life-expectancy (in years)
- Light appearance (cool/warm)
- Energy used (watts)
- If the bulb contains mercury

In some cases, the new labels are already out on retail shelves in advance of the 2012 deadline. People can use the new labels for an apples-to-apples comparison on light bulbs. You'll know at-a-glance which bulbs save the most energy and how much they will cost you on your energy bills.

Lumens vs. watts

EISA requirements will also change the focus on light bulbs from watts to lumens—the standard measurement of light output. Watts refer to how much energy a light bulb uses. Lumens indicate how bright a light bulb is. Some consumers may be surprised to hear that CFLs provide the same light output as incandescents (see chart below), but use 75 percent less energy to do so.

CFLs	Incandescent Equivalent	Light Output
9-11 watts	40 watts	450 lumens
13-17 watts	60 watts	800 lumens
18-20 watts	75 watts	1,100 lumens
23-26 watts	100 watts (retiring in 2012)	1,600 lumens
31-42 watts	150 watts	2,600 lumens

A better incandescent

As part of the EISA legislation, shoppers will also start seeing more energy-efficient 100-watt incandescents. In other words, 100-watt incandescents are not disappearing, they are being re-engineered to use less energy. Currently, 90 percent of an incandescent's energy use goes for heat not light.

In the same way that vehicles have become more fuel efficient over time and refrigerator manufacturers adopted higher standards for energy efficiency, incandescents are getting an upgrade. These new standards will help us all use less energy. Plus, ENERGY STAR qualified CFLs and LEDs already more than meet EISA's energy-efficiency standards.

Tips to keep in mind

Pointers that will serve customers well when they're in the light bulb aisle include:

- **Dimmable/Three-ways**—If you're replacing a light bulb for a dimmer fixture, opt for a CFL that says "dimmable" on the box. On the same note, look for "3-way ENERGY STAR qualified CFL" on the box for bulbs that work with three-way sockets.
- **Fixture type**— Before you head out the door, check the size of your light fixture(s) so you buy the correct bulb size. Visit ENERGY STAR's Choose a Light page for a chart that will help you buy the right CFLs for the nine most common types of light fixtures.
- **Temperature**—CFL now come in warm tones. On a light bulb box, look for "Kelvins" to determine where the bulb falls on the color spectrum. Less Kelvins (2700-3000K) equal a warmer light. More Kelvins (>3500K) indicate a cooler light. See ENERGY STAR's Color and Mood chart.
- **Wattage**— Select a CFL that uses one-third the wattage of the incandescent bulb you're replacing. For example, replace a 75-watt incandescent with an 18- to 25-watt CFL to ensure adequate illumination.
- **ENERGY STAR**—Look for the ENERGY STAR label when buying light bulbs. These bulbs are certified to meet with the U.S. Department of Energy's and the U.S. Environmental Protection Agency's standards for energy efficiency and performance.
- **Outdoor**—When buying a CFL or LED for outdoor lighting needs, be sure to buy a bulb specifically labeled "Outdoor." They are usually enclosed to improve their cold weather performance and can better withstand the elements.
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Be Bright campaign

The impact of each household replacing just one incandescent with a CFL represents sizeable energy savings. According to the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, if every resident replaced one incandescent light bulb with an ENERGY STAR qualified CFL, the amount of energy saved would light more than 3 million homes for a year and save \$600 million. Plus, each CFL saves residents \$40 over its lifetime and lasts at least 10 times longer than an incandescent bulb. Because CFLs are still such a smart lighting choice—saving significant amounts of energy and helping our customers save money—Lyon Rural Electric Cooperative is sponsoring the Be Bright sale with local retailers. “Customers can pay as little as \$0.99 per CFL.”

Local retailers participating in Lyon Rural Electric Cooperative CFL promotion and offering discounted pricing include:

Ace Hardware (Rock Rapids), Little Rock Farm and Home (Little Rock), Todd’s True Value (Inwood), Larchwood Lumber and True Value Hardware(Larchwood), Schoeneman Brothers Lumber Co. (Inwood) Lichtenberg Hardware Plumbing & Heating (George)

About ENERGY STAR

ENERGY STAR was started by the EPA in 1992 as a market-based partnership to reduce greenhouse gas emissions through energy efficiency. Today, the ENERGY STAR label can be found on more than 60 different kinds of products, as well as new homes and commercial and industrial buildings that meet strict energy-efficient specifications set by the EPA. Last year alone, Americans, with the help of ENERGY STAR, saved approximately \$18 billion on their energy bills while preventing greenhouse gas emissions equivalent to the annual emission of 33 million vehicles. For more information, visit www.energystar.gov or call toll-free 888-STAR-YES (888-782-7937).

**JULY
OPERATING STATISTICS**

	2010	2011
KWH Purchased	7,844,087	9,836,171
KWH Sold	7,751,136	9,751,715
Percentage of Line Loss (Year to Date)	3.26%	3.27%
Total Demand	14,696 KW	18,094 KW
Average Farm Consumption	2,444 KWH	2,692 KWH
Average Farm Bill	\$206.41	\$231.52
Income Per Mile	\$696.80	\$873.98
Expenses Per Mile	\$656.90	\$787.55
Miles Energized.....	872.86	872.86
Cost of Wholesale (For the Month)...	4.64¢	4.93¢



2011 BASIN BUS TOUR

Pictured are the members who went on the Basin Bus Tour this year: Sharon and Fred Tilstra, Leroy Kooiker, Nolan Kooiker, Arie and Darlene Bliek, Jan and John Van Veldhuizen, Larry and Clarice Kroese, Tristen Schemmel, Cathy and Don Wulf, Susan and Craig Van Otterloo, Arlyn Schreurs

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What’s Your Number?**

For those members that have cell phones, Lyon Rural Electric Cooperative would like to have that number for contacting members for planned outages, address questions or any other reason for personal contact.

Please write that number on your stub with your payment.

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JULY 2011 OUTAGE REPORT

<u>Substation</u>	<u>#Meters</u>	<u>Cause</u>	<u>Date</u>	<u>Duration</u>
1 Lester	28	Equip.	07/03/11	2 Hrs. 55 Mins.
2 Little Rock	8	Other	07/07/11	26 Mins.
3 Larchwood	74	Fault	07/07/11	1 Hr. 30 Mins.
4 Little Rock	6	Trees	07/09/11	50 Mins.
5 Larchwood	21	Other	07/11/11	1 Hr. 11 Mins.
6 Larchwood	74	Fault	07/13/11	1 Hr.
7 George	19	Other	07/19/11	31 Mins.
8 Larchwood	51	Fault	07/27/11	1 Hr. 40 Mins.
9 Larchwood	6	Storm	07/27/11	1 Hr. 16 Mins.
10 Lester	19	Planned	07/27/11	18 Mins.
11 Rock Rapids	33	Fault	07/27/11	3 Hrs. 32 Mins.
12 Little Rock	17	Fault	07/28/11	1 Hr. 12 Mins.