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RETIRED  
JAMES G. SHEEHAN, JR.

December 1, 2011

Mr. Jeff Derouen  
Executive Director  
Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40602

RECEIVED

DEC 02 2011

PUBLIC SERVICE  
COMMISSION

RE: Public Contact 2011-00280

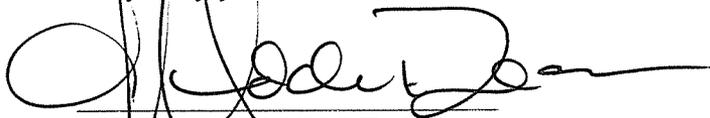
Dear Mr. Derouen:

Pursuant to the order entered on November 7, 2011 and in keeping with compliance with that order, I am enclosing a copy of various documents.

I would ask that you review those documents and let me know if you believe, for any reason, those documents fail to meet the requirements of the order. The "content page" is structured to identify each exhibit and references which paragraph of the order it addresses. Pursuant to the order and my correspondence with Allyson Honaker, I am including the original and one copy. If you need additional copies please let me know.

I appreciate your review of this document and getting back with me at your earliest convenience regarding any questions or concerns.

Very truly yours,



HON. J. HADDEN DEAN  
JHD/cac

Enclosure(s)

Cc: L. Allyson Honaker  
Jim Jacobus

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

INTER-COUNTY ENERGY )  
COOPERATIVE CORPORATION )  
\_\_\_\_\_ )

CASE NO.  
2011-00280

RECEIVED

ALLEGED FAILURE TO COMPLY WITH )  
KRS 278.042 )

DEC 02 2011

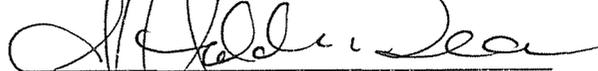
PUBLIC SERVICE  
COMMISSION

NOTICE

Comes now Inter-County Energy Cooperative Corporation and pursuant to the order entered in this matter on November 7, 2011, the Cooperative hereby submits documentation pursuant to the terms of the order.

Attached hereto is an original and one additional copy of those submittals.

THE DANVILLE LAW GROUP



J. HADDEN DEAN  
114 South Fourth Street  
P.O. Box 1517  
Danville, Kentucky 40423-1517  
(859) 236-2641  
ATTORNEY FOR DEFENDANT

CERTIFICATE OF SERVICE:

This is to certify that a true and correct copy of the foregoing Notice was mailed postage pre-paid on this the 1<sup>st</sup> day of December, 2011 to:

Mr. Jeff Derouen  
Executive Director  
Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40602

  
J. HADDEN DEAN

Courtesy Copy:  
L. Allyson Honaker



A Touchstone Energy Cooperative 

**PSC Case No. 2011-00280**

**In The Matter Of  
Inter-County Energy Cooperative Corporation  
Alleged Failure to Comply With KRS 278.042**

**December 1, 2011**

P. O. Box 87 • Danville, KY 40423-0087 • (859) 236-4561

# INTER-COUNTY ENERGY COOPERATIVE

P. O. Box 87 • Danville, KY 40423-0087

## Case No. 2011-00280

### CONTENT

#### EXHIBIT 1

*Pursuant to the November 7, 2011 Order, Page 3, Paragraph 3, Inter-County shall pay \$1,500 of the \$2,500 civil penalty within 30 days of the date of the Order.*

#### **Copies of Assessed Penalty Payment and Receipt of Payment**

#### EXHIBIT 2

*Pursuant to the November 7, 2011 Order, Page 3, Paragraph 5, within 30 days of the Order, Inter-County shall provide documentation on the training given as a result of this incident, including the type of training, who attended, and how this training will be implemented into the training program on a regular basis. Inter-County shall continue to provide training specifically on the NESC and clearance issues at least once a quarterly basis.*

- (A) PowerPoint Presentation of September 29, 2011 Safety Meeting**
- (B) September 29, 2011 Safety Meeting Minutes and Attendance Roster**
- (C) October 25, 2011 Safety Meeting Minutes and Attendance Roster**
- (D) Implementation of NESC Clearance Training and 2012 Quarterly Schedule for NESC Clearance Topics**

#### EXHIBIT 3

*Pursuant to the November 7, 2011 Order, page 4, paragraph 6, within 30 days of the Order, Inter-County shall provide a summary report to the Commission of the system-wide inspection performed as a result of this incident. The report shall contain all potential violations found including this type of violation, the curative action taken and the timeframe in which they were corrected.*

#### **Inter-County Energy Potential Clearance Findings and Corrections**

#### EXHIBIT 4

*Pursuant to the November 7, 2011 Order, page 4, paragraph 8, beginning with the December 2011 issue, Inter-County shall provide information in each issue of its monthly magazine distributed to all customers regarding safety. At least once per year, Inter-County will provide specific information in the magazine on clearance issues. Inter-County shall file a copy of each monthly magazine with the Commission beginning with the December 2011 issue.*

- (A) Kentucky Living – December 2011 (Pages 16, 26E, 26G)**
- (B) Illustrations of Inter-County Website Additions Relative to Clearance Issues**



207741

REMITTER  
**Inter County**



Main Office  
304 W. Main  
Danville, KY 40422-1833  
www.fnbky.com

DATE **November 10, 2011**

73-123/839

PAY TO THE ORDER OF **KY State Treasurer\*\*\*\*\*** \$ **1,500.00**

**\$1,500.00**

DOLLARS

*This document has a colored background, Foil Guard and a backside authentic watermark; absence of these features will indicate a copy.*

# CASHIER'S CHECK

\_\_\_\_\_  
AUTHORIZED SIGNATURE

⑈ 20774 ⑆ ⑆ 08390 ⑆ 236 ⑆ 0 ⑆ 9 937 0 ⑈

© 2004 CRESWOOD

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

INTER-COUNTY ENERGY COOPERATIVE )  
CORPORATION )  
\_\_\_\_\_) CASE NO.  
ALLEGED FAILURE TO COMPLY WITH ) 2011-00280  
KRS 278.042 )

RECEIPT OF PAYMENT

This is to acknowledge receipt of one cashier's check in the amount of \$1,500.00 payable to Kentucky State Treasurer on November 15, 2011 from Inter-County Energy Cooperative. The check represents payment of settlement as set out in the Order of November 7, 2011.



\_\_\_\_\_  
Jeff Derouen  
Executive Director  
Dated November 15, 2011

INTER-COUNTY ENERGY  
RECEIVED

NOV 16 2011

OFFICE OF PRESIDENT/CEO





A Touchstone Energy Cooperative 

# Conductor Clearances

9/29/11

- NESC published every 5 years -2012 latest
- IEEE is the administrative secretariat made up of a Standards Committee with 10 subcommittees
- Clearances are found in Section 23 of NESC
- 100 Pages of Code in section 23 alone
- Very Confusing / Cross Referencing
- Not user friendly
- Not so great index

- Section 23 Clearances has 10 Sections

- 230 – General
- 231 – Clearances of supporting structures from other objects
- **232 – Vertical clearances of wires, conductors, cables, and equipment above ground, roadway, rail, or water surfaces**
- 233 – Clearances between wires, conductors, and cables carried on different supporting structures
- **234 – Clearance of wires, conductors, cables, and equipment from buildings, bridges, rail cars, swimming pools, and other installations**

- 10 Sections cont'd

- 235 – Clearances for wires, conductors, or cables carried on the same supporting structure
- 236 – Horizontal clearance between conductors bounding the climbing space
- 237 – Working Space
- 238 - Vertical clearance between certain communications and supply facilities located on the same structure
- 239 – Clearance of vertical and lateral facilities from other facilities and surfaces on the same supporting structure

Table 232-1 Vertical clearances of wires, conductors, cables, and equipment above ground, roadway, rail, or water surfaces

Nature of surface underneath wires, conductors, or cables	Insulated communication conductors and cable; messengers; overhead shield/surge-protection wires; grounded guys; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 0 to 300 V <sup>① ④ ⑤</sup> ; neutral conductors meeting Rule 230E1; supply cables meeting Rule 230C1 (m)	Noninsulated communication conductors; supply cables of 0 to 750 V meeting Rule 230C2 or 230C3 (ft)	Supply cables over 750 V meeting Rule 230C2 or 230C3; open supply conductors, 0 to 750 V <sup>③</sup> ; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to over 300 V to 750 V <sup>① ④ ⑤</sup> (ft)	Open supply conductors, over 750 V to 22 kV; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 750 V to 22 kV <sup>① ④ ⑤</sup> (m)	Trolley and electrified railroad contact conductors and associated span or messenger wires <sup>①</sup>	
					0 to 750 V to ground (ft)	Over 750 V to 22 kV to ground (ft)
Where wires, conductors, or cables cross over or overhang						
1. Track rails of railroads (except electrified railroads using overhead trolley conductors) <sup>① ④ ⑤</sup>	23.5	24.0	24.5	26.5	22.0 <sup>④</sup>	22.0 <sup>④</sup>
2. Roads, streets, and other areas subject to truck traffic <sup>③</sup>	15.5	16.0	16.5	18.5	18.0 <sup>⑤</sup>	20.0 <sup>⑤</sup>
3. Driveways, parking lots, and alleys <sup>③</sup>	15.5 <sup>① ④</sup>	16.0 <sup>① ④</sup>	16.5 <sup>①</sup>	18.5	18.0 <sup>⑤</sup>	20.0 <sup>⑤</sup>

Nature of surface underneath wires, conductors, or cables	Insulated communication conductors and cable; messengers; overhead shield/surge-protection wires; grounded guys; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 0 to 300 V <sup>ⓐ</sup> <sup>ⓑ</sup> <sup>ⓒ</sup> ; neutral conductors meeting Rule 230E1; supply cables meeting Rule 230C1 (m)	Noninsulated communication conductors; supply cables of 0 to 750 V meeting Rule 230C2 or 230C3 (ft)	Supply cables over 750 V meeting Rule 230C2 or 230C3; open supply conductors, 0 to 750 V <sup>ⓐ</sup> ; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to over 300 V to 750 V <sup>ⓐ</sup> <sup>ⓑ</sup> <sup>ⓒ</sup> (ft)	Open supply conductors, over 750 V to 22 kV; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 750 V to 22 kV <sup>ⓐ</sup> <sup>ⓑ</sup> <sup>ⓒ</sup> (m)	Trolley and electrified railroad contact conductors and associated span or messenger wires <sup>ⓓ</sup>	
					0 to 750 V to ground (ft)	Over 750 V to 22 kV to ground (ft)
4. Other areas traversed by vehicles, such as cultivated, grazing, forest, and orchard lands, industrial sites, commercial sites, etc. <sup>ⓔ</sup>	15.5	16.0	16.5	18.5	—	—
5. Spaces and ways subject to pedestrians or restricted traffic only <sup>ⓕ</sup>	9.5	12.0 <sup>ⓖ</sup>	12.5 <sup>ⓖ</sup>	14.5	16.0	18.0
6. Water areas not suitable for sailboating or where sailboating is prohibited <sup>ⓗ</sup>	14.0	14.5	15.0	17.0	—	—
7. Water areas suitable for sailboating including lakes, ponds, reservoirs, tidal waters, rivers, streams, and canals with an unobstructed surface area of <sup>ⓓ</sup> <sup>ⓖ</sup> <sup>ⓗ</sup> <sup>ⓔ</sup> <sup>ⓕ</sup>						
a. Less than 20 acres	17.5	18.0	18.5	20.5	—	—
b. Over 20 to 200 acres	25.5	26.0	26.5	28.5	—	—
c. Over 200 to 2000 acres	31.5	32.0	32.5	34.5	—	—
d. Over 2000 acres	37.5	38.0	38.5	40.5	—	—

Nature of surface underneath wires, conductors, or cables	Insulated communication conductors and cable; messengers; overhead shield/surge-protection wires; grounded guys; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 0 to 300 V <sup>Ⓔ</sup> <sup>Ⓓ</sup> <sup>Ⓔ</sup> ; neutral conductors meeting Rule 230E1; supply cables meeting Rule 230C1 (m)	Noninsulated communication conductors; supply cables of 0 to 750 V meeting Rule 230C2 or 230C3 (ft)	Supply cables over 750 V meeting Rule 230C2 or 230C3; open supply conductors, 0 to 750 V <sup>Ⓔ</sup> ; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to over 300 V to 750 V <sup>Ⓔ</sup> <sup>Ⓓ</sup> <sup>Ⓔ</sup> (ft)	Open supply conductors, over 750 V to 22 kV; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 750 V to 22 kV <sup>Ⓔ</sup> <sup>Ⓓ</sup> <sup>Ⓔ</sup> (m)	Trolley and electrified railroad contact conductors and associated span or messenger wires <sup>Ⓓ</sup>	
					0 to 750 V to ground (ft)	Over 750 V to 22 kV to ground (ft)
8. Established boat ramps and associated rigging areas; areas posted with sign(s) for rigging or launching sail boats	Clearance aboveground shall be 5 ft greater than in 7 above, for the type of water areas served by the launching site					
<b>Where wires, conductors, or cables run along and within the limits of highways or other road rights-of-way but do not overhang the roadway</b>						
9. Roads, streets, or alleys	15.5 <sup>Ⓓ</sup>	16.0	16.5	18.5	18.0 <sup>Ⓔ</sup>	20.0 <sup>Ⓔ</sup>
10. Roads where it is unlikely that vehicles will be crossing under the line	13.5 <sup>Ⓓ</sup> <sup>Ⓓ</sup>	14.0 <sup>Ⓓ</sup>	14.5 <sup>Ⓓ</sup>	16.5	18.0 <sup>Ⓔ</sup>	20.0 <sup>Ⓔ</sup>

- ① Where subways, tunnels, or bridges require it, less clearance above ground or rails than required by Table 232-1 may be used locally. The trolley and electrified railroad contact conductor should be graded very gradually from the regular construction down to the reduced elevation.
- ② For wires, conductors, or cables crossing over mine, logging, and similar railways that handle only cars lower than standard freight cars, the clearance may be reduced by an amount equal to the difference in height between the highest loaded car handled and 20 ft, but the clearance shall not be reduced below that required for street crossings.
- ③ Does not include neutral conductors meeting Rule 230E1.
- ④ In communities where 21 ft has been established, this clearance may be continued if carefully maintained. The elevation of the contact conductor should be the same in the crossing and next adjacent spans. (See Rule 225D2 for conditions that must be met where uniform height above rail is impractical.)
- ⑤ In communities where 16 ft has been established for trolley and electrified railroad contact conductors 0 to 750 V to ground, or 18 ft for trolley and electrified railroad contact conductors exceeding 750 V, or where local conditions make it impractical to obtain the clearance given in the table, these reduced clearances may be used if carefully maintained.
- ⑥ These clearance values also apply to guy insulators.
- ⑦ Where the height of a residential building does not permit its service drop(s) to meet these values, the clearances over residential driveways only may be reduced to the following:

	(ft)
(a) Insulated supply service drops limited to 300 V to ground	12.5
(b) Insulated drip loops of supply service drops limited to 300 V to ground	10.5
(c) Supply service drops limited to 150 V to ground and meeting Rule 230C1 or 230C3	12.0
(d) Drip loops only of service drops limited to 150 V to ground and meeting Rule 230C1 or 230C3	10.0
(e) Insulated communication service drops	11.5
- ⑧ Where the height of a residential building does not permit its service drop(s) to meet these values, the clearances may be reduced to the following:

	(ft)
(a) Insulated supply service drops limited to 300 V to ground	10.5
(b) Insulated drip loops of supply service drops limited to 300 V to ground	10.5
(c) Supply service drops limited to 150 V to ground and meeting Rule 230C3	10.0
(d) Drip loops only of supply service drops limited to 150 V to ground and meeting Rule 230C3	10.0
- ⑨ Spaces and ways subject to pedestrians or restricted traffic only are those areas where riders on horses or other large animals, vehicles, or other mobile units exceeding a total height of 8 ft are prohibited by regulation or permanent terrain configurations, or are otherwise not normally encountered nor reasonably anticipated.

⑩ Where a supply or communication line along a road is located relative to fences, ditches, embankments, etc., so that the ground under the line would not be expected to be traveled except by pedestrians, the clearances may be reduced to the following values:

	(ft)
(a) Insulated communication conductor and communication cables.	9.5
(b) Conductors of other communication circuits	9.5
(c) Supply cables of any voltage meeting Rule 230C1 and neutral conductors meeting Rule 230E1	9.5
(d) Insulated supply conductors limited to 300 V to ground	12.5
(e) Insulated supply cables limited to 150 V to ground meeting Rule 230C2 or 230C3	10.0
(f) Grounded guys, guys meeting Rules 279A1 and 215C5 exposed to 0 to 300 V	9.5

⑪ No clearance from ground is required for anchor guys not crossing tracks, rails, streets, driveways, roads, or pathways.

⑫ This clearance may be reduced to 13 ft for communication conductors and guys.

⑬ Where this construction crosses over or runs along alleys, driveways, or parking lots not subject to truck traffic this clearance may be reduced to 15 ft.

⑭ The portion(s) of span guys between guy insulators and the portion(s) of anchor guys above guy insulators that are not grounded shall have clearances based on the highest voltage to which they may be exposed due to a slack conductor or guy.

⑮ The portion of anchor guys below the lowest insulator meeting Rules 279A1 and 215C5 may have the same clearance as grounded guys.

⑯ Adjacent to tunnels and overhead bridges that restrict the height of loaded rail cars to less than 20 ft, these clearances may be reduced by the difference between the highest loaded rail car handled and 20 ft, if mutually agreed to by the parties at interest.

⑰ For controlled impoundments, the surface area and corresponding clearances shall be based upon the design high-water level.

⑱ For uncontrolled water flow areas, the surface area shall be that enclosed by its annual high-water mark. Clearances shall be based on the normal flood level; if available, the 10-year flood level may be assumed as the normal flood level.

⑲ The clearance over rivers, streams, and canals shall be based upon the largest surface area of any 1 mi long segment that includes the crossing. The clearance over a canal, river, or stream normally used to provide access for sailboats to a larger body of water shall be the same as that required for the larger body of water.

- ① Where the U.S. Army Corps of Engineers, or the state, or surrogate thereof has issued a crossing permit, clearances of that permit shall govern.
- ② See Rule 234I for the required horizontal and diagonal clearances to rail cars.
- ③ For the purpose of this rule, trucks are defined as any vehicle exceeding 8 ft in height. Areas not subject to truck traffic are areas where truck traffic is not normally encountered nor reasonably anticipated.
- ④ Communication cables and conductors may have a clearance of 15 ft where poles are back of curbs or other deterrents to vehicular traffic.
- ⑤ When designing a line to accommodate oversized vehicles, these clearance values shall be increased by the difference between the known height of the oversized vehicle and 14 ft.

**Table 234-1—  
Clearance of wires, conductors, cables, and unguarded rigid live parts adjacent but not attached to buildings and other installations except bridges**

(Voltages are phase to ground for effectively grounded circuits and those other circuits where all ground faults are cleared by promptly de-energizing the faulted section, both initially and following subsequent breaker operations. See the definitions section for voltages of other systems. Clearances are with no wind displacement except where stated in the footnotes below.

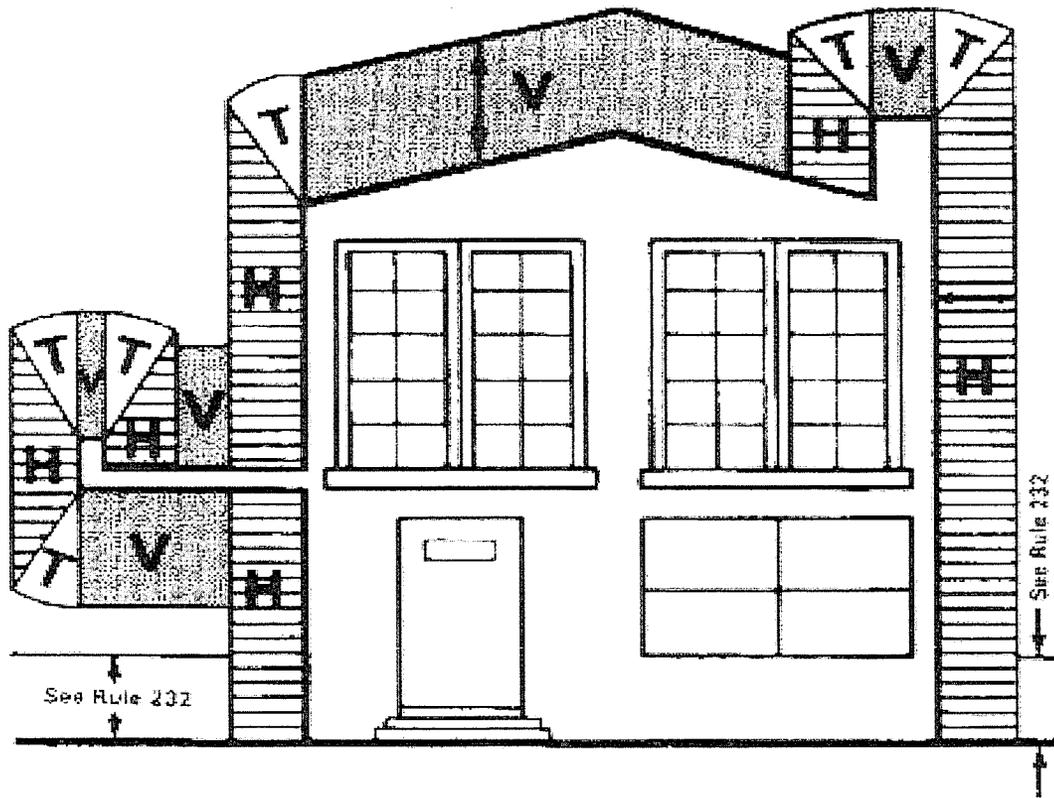
See Rules 234A, 234C1a, 234C2, and 234H4.)

Clearance of	Insulated communication conductors and cables; messengers; overhead shield/surge-protection wires; grounded guys; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to 0 to 300 V <sup>Ⓜ</sup> @ neutral conductors meeting Rule 230E1; supply cables meeting Rule 230C1 (ft)	Supply cables of 0 to 750 V meeting Rule 230C2 or 230C3 (ft)	Unguarded rigid live parts, 0 to 750 V; noninsulated communication conductors; ungrounded equipment cases, 0 to 750 V; and ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to open supply conductors of over 300 V <sup>Ⓜ</sup> to 750 V <sup>Ⓜ</sup> @ (ft)	Supply cables over 750 V meeting Rule 230C2 or 230C3; open supply conductors, 0 to 750 V <sup>Ⓜ</sup> (ft)	Unguarded rigid live parts, over 750 V to 22 kV; ungrounded portions of guys meeting Rules 215C4, 215C5, and 279A1 exposed to over 750 V to 22 kV <sup>Ⓜ</sup> @ (ft)	Open supply conductors, over 750 V to 22 kV (ft)
<b>1. Buildings</b>						
<b>a. Horizontal</b>						
(1) To walls, projections, and guarded windows	4.5 <sup>Ⓜ</sup> <sup>Ⓜ</sup> <sup>Ⓜ</sup>	5.0 <sup>Ⓜ</sup> <sup>Ⓜ</sup>	5.0 <sup>Ⓜ</sup> <sup>Ⓜ</sup>	5.5 <sup>Ⓜ</sup> <sup>Ⓜ</sup> <sup>Ⓜ</sup>	7.0 <sup>Ⓜ</sup> <sup>Ⓜ</sup>	7.5 <sup>Ⓜ</sup> <sup>Ⓜ</sup> <sup>Ⓜ</sup>
(2) To unguarded windows <sup>Ⓜ</sup>	4.5	5.0	5.0	5.5 <sup>Ⓜ</sup>	7.0	7.5 <sup>Ⓜ</sup>
(3) To balconies and areas readily accessible to pedestrians <sup>Ⓜ</sup>	4.5	5.0	5.0	5.5 <sup>Ⓜ</sup>	7.0	7.5 <sup>Ⓜ</sup>
<b>b. Vertical<sup>Ⓜ</sup></b>						
(1) Over or under roofs or projections not readily accessible to pedestrians <sup>Ⓜ</sup>	3.0	3.5	10.0	10.5	12.0	12.5
(2) Over or under balconies, porches, decks, and roofs readily accessible to pedestrians <sup>Ⓜ</sup>	10.5	11.0	11.0	11.5	13.0	13.5

(3) Over roofs, ramps, decks, and loading docks accessible to vehicles but not subject to truck traffic <sup>⑥</sup>	10.5	11.0	11.0	11.5	13.0	13.5
(4) Over roofs, ramps, decks, and loading docks accessible to truck traffic <sup>⑥ ⑩</sup>	15.5	16.0	16.0	16.5	18.0	18.5
<b>2. Signs, chimneys, billboards, radio and television antennas, flagpoles and flags, banners, tanks, and other installations not classified as buildings or bridges <sup>⑧</sup></b>						
<b>a. Horizontal <sup>④</sup></b>						
(1) To portions that are readily accessible to pedestrians <sup>③</sup>	4.5	5.0	5.0 <sup>①②</sup>	5.5 <sup>③</sup>	7.0 <sup>①②</sup>	7.5 <sup>⑩</sup>
(2) To portions that are not readily accessible to pedestrians <sup>③</sup>	3.0	3.5	5.0 <sup>①②</sup>	5.5 <sup>①②③</sup>	7.0 <sup>①②</sup>	7.5 <sup>①②⑩</sup>
<b>b. Vertical</b>						
(1) Over or under catwalks and other surfaces upon which personnel walk	10.5	11.0	11.0	11.5	13.0	13.5
(2) Over or under other portions of such installations <sup>④</sup>	3.0	3.5	5.5	6.0 <sup>①</sup>	7.5	8.0

- ① Where building, sign, chimney, antenna, tank, or other installation does not require maintenance such as painting, washing, changing of sign letters, or other operations that would require persons to work or pass between wires, conductors, cables or unguarded rigid live parts and structure, the clearance may be reduced by 2 ft.
- ② Where available space will not permit this value, the clearance may be reduced by 2 ft provided the wires, conductors, or cables, including splices and taps, and unguarded rigid live parts have a covering that provides sufficient dielectric strength to limit the likelihood of a short circuit in case of momentary contact with a structure or building.
- ③ A roof, balcony, or area is considered readily accessible to pedestrians if it can be casually accessed through a doorway, ramp, window, stairway, or permanently mounted ladder by a person on foot who neither exerts extraordinary physical effort nor employs tools or devices to gain entry. A permanently mounted ladder is not considered a means of access if its bottom rung is 8 ft or more from the ground or other permanently installed accessible surface.
- ④ The required clearances shall be to the closest approach of motorized signs or moving portions of installations covered by Rule 234C.
- ⑤ The portion(s) of span guys between guy insulators and the portion(s) of anchor guys above guy insulators that are not grounded shall have clearances based on the highest voltage to which they may be exposed due to a slack conductor or guy.
- ⑥ For the purpose of this rule, trucks are defined as any vehicle exceeding 8 ft in height.

- ⑦ This clearance may be reduced to 3 in for the grounded portions of guys.
- ⑧ Windows not designed to open may have the clearances permitted for walls and projections.
- ⑨ The clearance at rest shall be not less than the value shown in this table. Also, when the conductor or cable is displaced by wind, the clearance shall be not less than 3.5 ft; see Rule 234C1b.
- ⑩ The clearance at rest shall be not less than the value shown in this table. Also, when the conductor or cable is displaced by wind, the clearance shall be not less than 4.5 ft; see Rule 234C1b.
- ⑪ The portion of anchor guys below the lowest insulator meeting Rules 279A1 and 215C5 may have the same clearance as grounded guys.
- ⑫ For clearances above railings, walls, or parapets around balconies, decks, or roofs, use the clearances required for row 1b(1). For such clearances where an outside stairway exists to provide access to such balconies, decks, or roofs, use the clearances required for row 2b(2).
- ⑬ Does not include neutral conductors meeting Rule 230E1.
- ⑭ These clearance values also apply to guy insulators.
- ⑮ It is presumed that a flag or banner is fully extended but that there is no deflection or displacement of the flagpole or other supporting structure due to wind and that the conductors, cables, or rigid live parts are not displaced by the wind. The specified clearance is measured to the point of maximum displacement of the banner or flag towards the overhead utility facility.
- ⑯ When designing a line to accommodate oversized vehicles, these clearance values shall be increased by the difference between the known height of the oversized vehicle and 14 ft.



H normally 7.5' Primary  
 4.5' Neutral  
 V normally 12.5' Primary  
 3' Neutral  
 Not readily accessible to  
 pedestrians is normal

**LEGEND**

Regions Where Conductors Are Prohibited	Controlling Clearance
H 	Horizontal
V 	Vertical
T 	Transitional or Vertical (Arc)

**Figure 234-1(a)—Clearance diagram for building**

## NESC Ground Clearance Diagrams\*

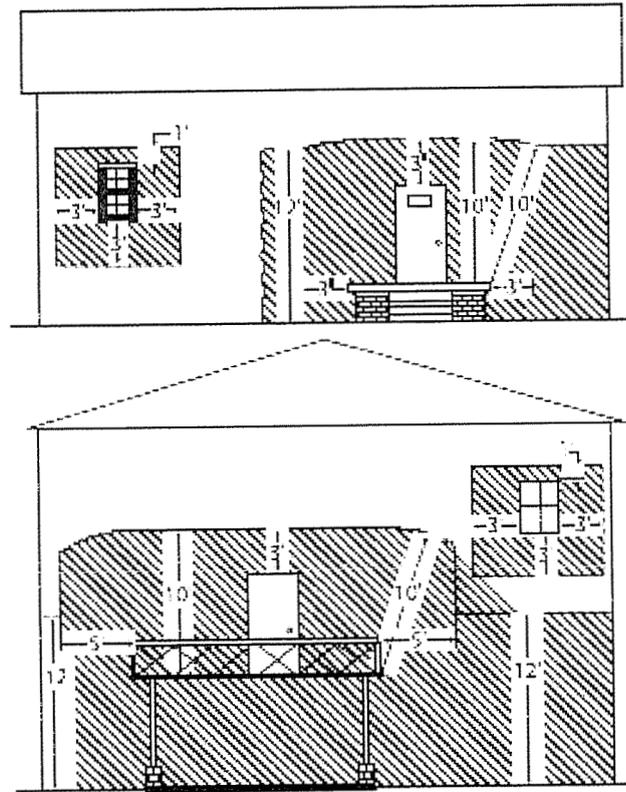


Figure 14.1 Clearance for Service Drop Cable at Point of Attachment to Residential Home

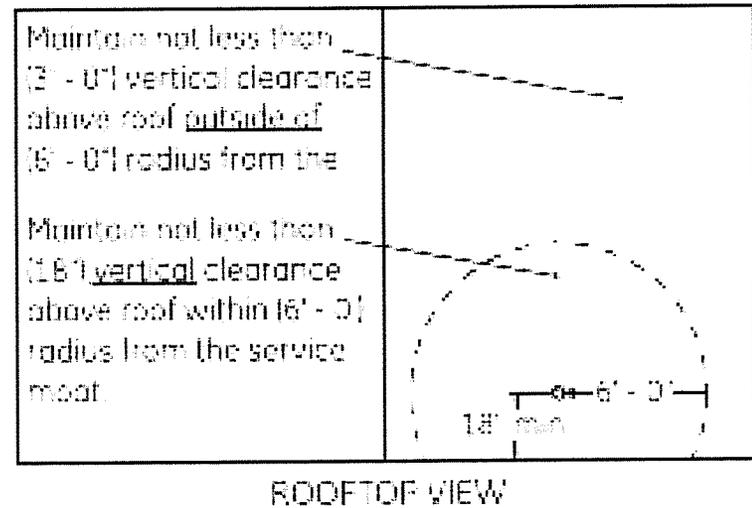
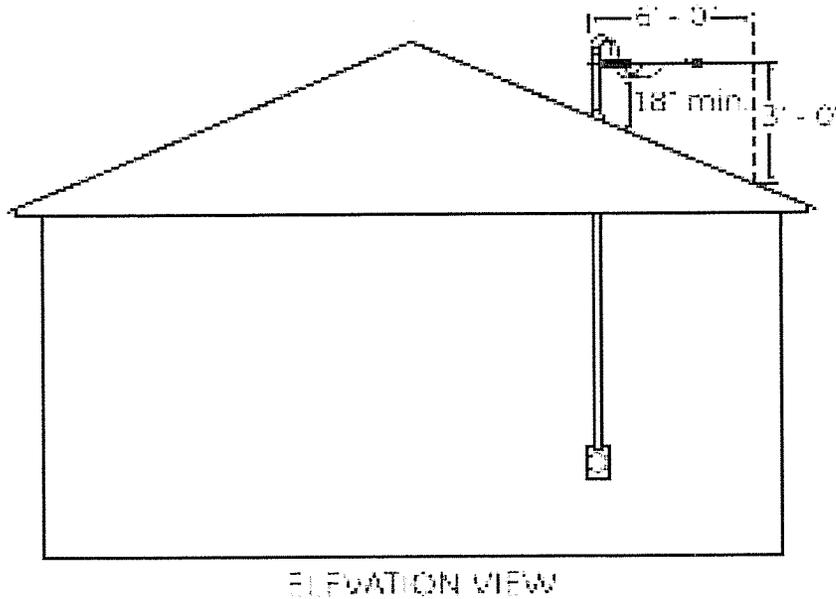
### Minimum Clearance Requirements for a Triplex Conductor Attachment to a Residential Home

- Triplex conductors shall have a clearance of not less than 12' from the ground or 10' from any platform or porch from which they might be reached. (See Figure 14.1 for the minimum attachment height.)

**Note:** 16' is required over driveways (see NESC Table 232-1 for exception)

- Triplex conductors shall have a clearance of not less than 3' from windows, doors, porches, fire escapes, or similar locations.

Code - 234C3



**Exception #2:**

Eighteen inches of clearance is allowed if:

- The phase-to-phase voltage is less than 300 volts, and
- The conductors do not pass over more than 48 inches of roof overhang, and
- The conductors are terminated at a through-the-roof raceway or approved support, and
- The roof or balcony is not readily accessible.

Figure 14.2 Clearances of Service Drop Cable Termination on Supporting Cable

# Swimming Pools **\*\*DO NOT CROSS\*\***

Voitage (Phase-to-ground on effectively grounded circuits)

Clearance Categories	0-300 V Triplex Quadraplex Neutral Guys ft/ft*	00/750V Open Wire Services & Secondary ft/ft*	Over Supply Conductors lower 750 V to 22 KV ft/ft*
A. Clearance in any direction from the water level, edge of pool, base of diving platform or anchored raft.	22.5	23.0	25.0
B. Clearance in any direction to the diving platform or tower	14.5	15.0	17.0
C. Vertical clearance over adjacent land	See Required Clearances for Over Adjacent Land		

\* To all clearances, add the final sag to the conductor line of site. Add the line sag (Dm) from conductor Final Sag Data manual sheet for primary conductors and O&W service conductors. Add the final sag for (DW) for conductor Final Sag Data manual sheet for the neutral conductor. Add the 170' final sag for Triplex and Quadraplex from the Overhead Cable and Conductor section. The clearance is the minimum clearance under any loading condition, not the stringing or initial conductor sag.

Adopted from NESC Table 234-2 & Note 234c

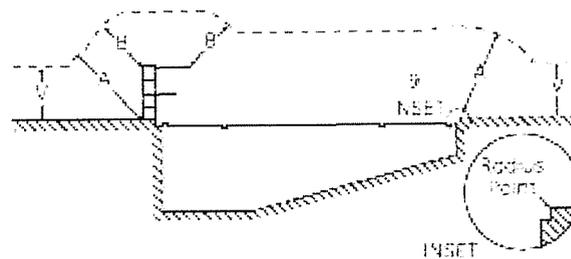
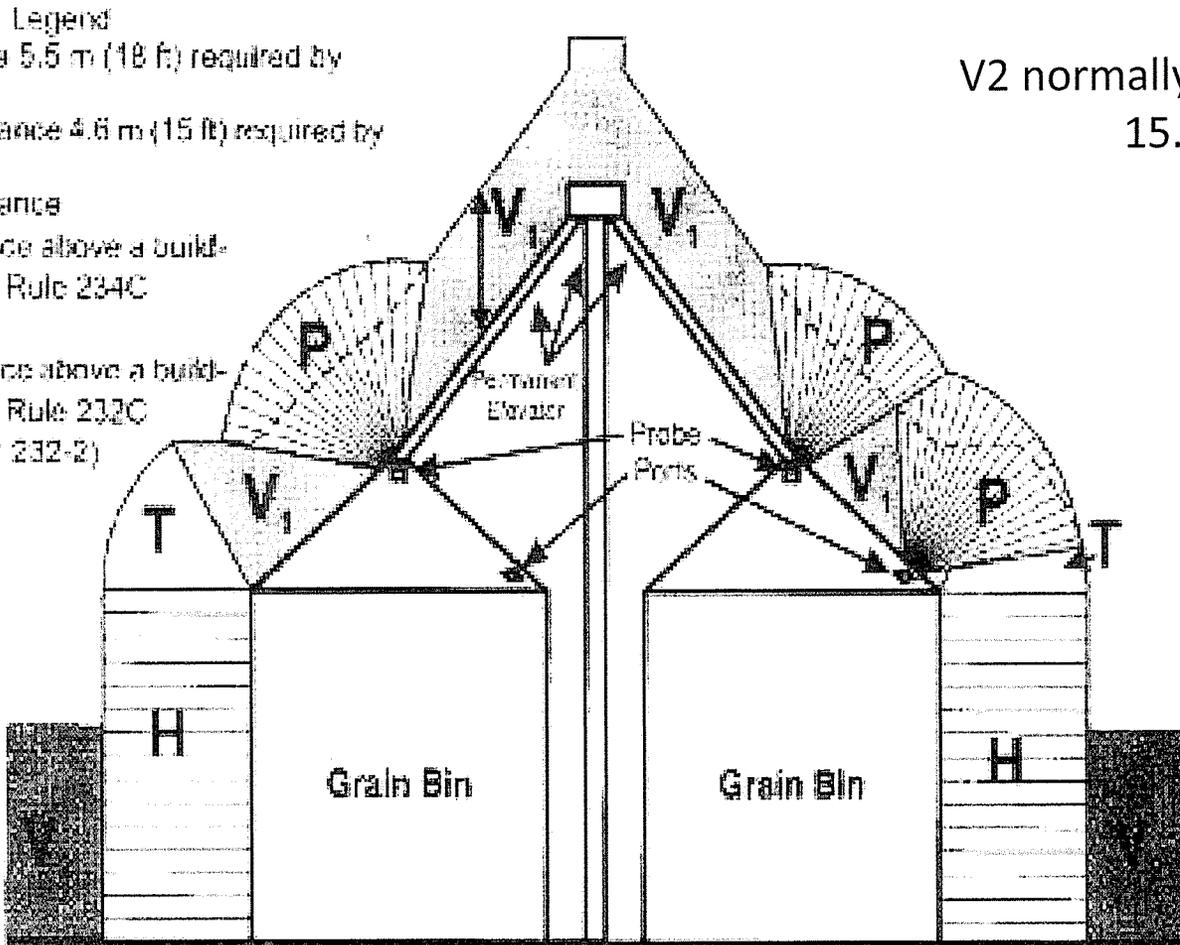


Figure 14.5 Minimum Clearances for a Swimming Pool

**Notes:**

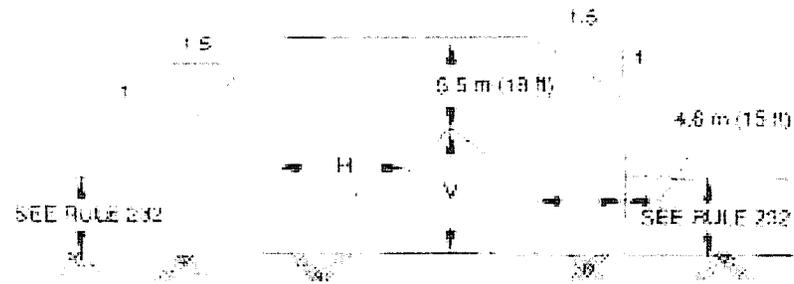
1. The above clearances are with NO wind displacement.
2. NESC Rule 351C: Underground supply cables should NOT be installed within 5' of a swimming pool or its auxiliary equipment.

V1 normally 12.5' Pri.  
 3' Neutral  
 V2 normally 18.5' Pri.  
 15.5' Neutral



- Legend
- P = probe clearance 5.5 m (18 ft) required by Rule 234F1a
  - H = horizontal clearance 4.6 m (15 ft) required by Rule 234F1b
  - T = transition clearance
  - V<sub>1</sub> = vertical clearance above a building required by Rule 234C (Table 234-1)
  - V<sub>2</sub> = vertical clearance above a building required by Rule 232C (Table 232-1 or 232-2)

Figure 234-4(a)—Clearance envelope for grain bins filled by permanently installed augers, conveyors, or elevators



V = HEIGHT OF HIGHEST FILLING OR PROBING PORT ON GRAIN BIN  
 H = V + 0.5 m (18 ft)

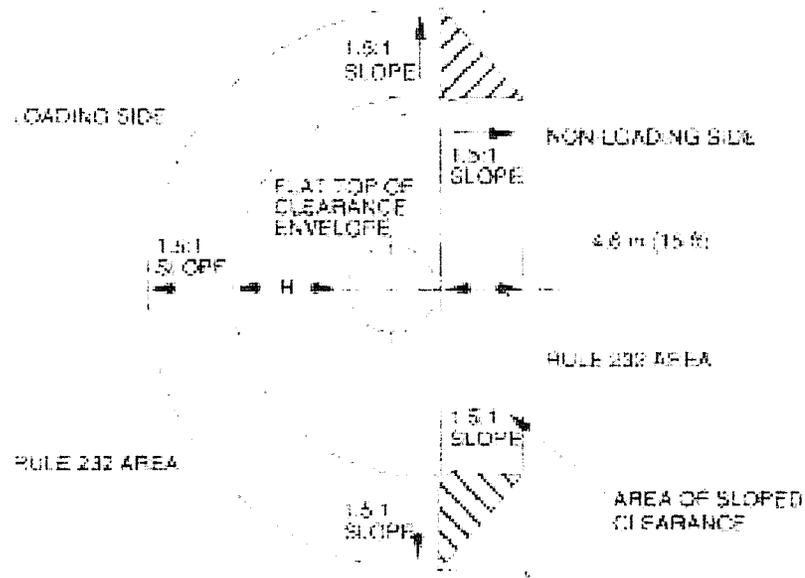


Figure 234-4(b)—Clearance envelope for grain bins filled by portable augers, conveyors, or elevators

# Grain Bin Example

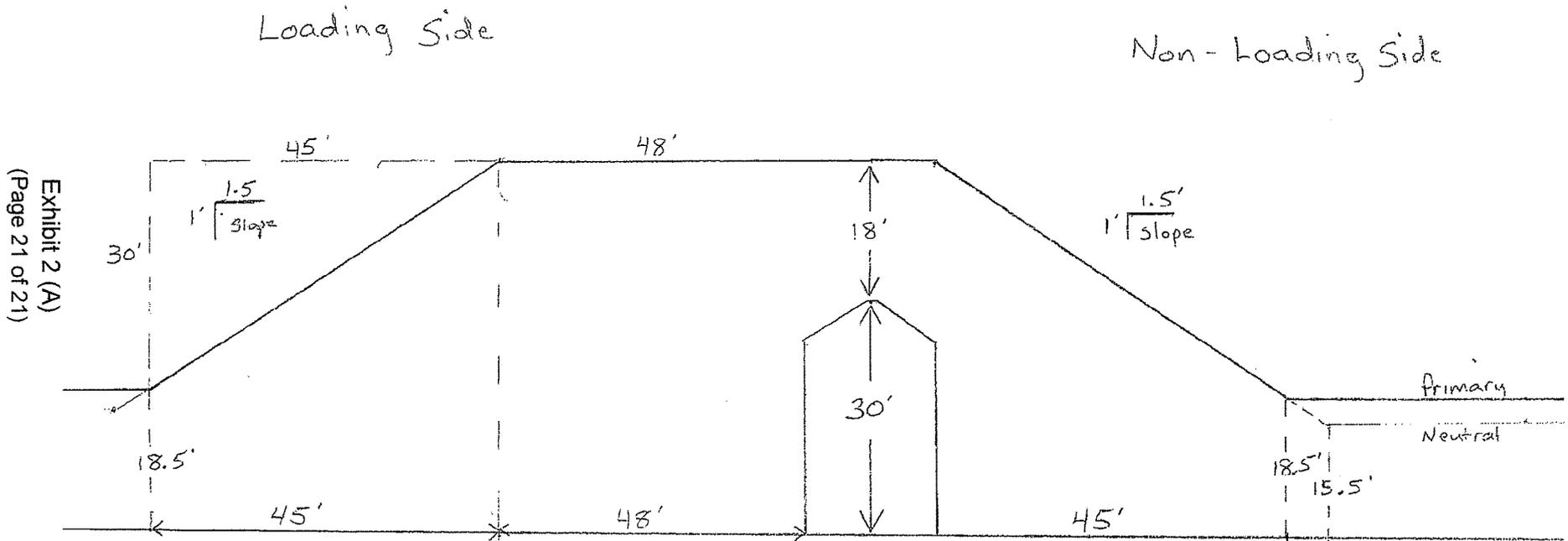


Exhibit 2 (A)  
(Page 21 of 21)

# Safety Meeting Minutes

September 29, 2011

The meeting was called to order by Bruce King. Danny Renner opened the meeting with prayer. Charlie began the meeting by discussing a recent near-miss incident involving Danny Masters. Danny was attempting to climb into the bucket on truck #15 on the morning of September 13. As he began to climb over the side of the bucket, he lost his footing and fell into the rear of the vehicle. Fortunately, Danny was not injured. A similar incident happened last year involving Darryl Adams in truck #7. Charlie stressed that extreme caution should be used when entering and exiting the buckets. Be aware of your footing and pay attention to dew on the buckets and the condition of the tread on your shoes.

Charlie discussed a recent accident involving Tim Gill. Tim was backing from his parking spot at the Farmer's National Bank branch location on Perryville Road when he struck the rear driver's side door of another vehicle. The driver of the other vehicle was going toward the bank drive-through area. Tim stated that he looked behind him before backing up. Seeing no one, he began to back out of his spot when the accident occurred. Charlie stated that any accident involving one of our vehicles that occurs when backing will be ruled as our fault. A similar accident occurred last month in Stanford involving Ricky Lane while backing truck #26. All employees referred to page 108 of the APPA Safety Manual. Rule 503.6 a), b), c) (1) (2) (3) (4) (5) covers Backing. Charlie read the rule and stressed that whenever possible, care should be taken to avoid parking the vehicle in a manner that requires backing at all. Also, whenever more than one person is in the vehicle, the passenger should assist the driver in backing by acting as a signal person from outside the vehicle. The key to avoiding this type of accident is to avoid placing yourself in this situation. Scan the parking lot as you enter and plan your parking carefully so exiting can be done without backing. Several examples were given.

Charlie gave some statistics from *Occupational Safety and Health* magazine concerning the number of injuries and deaths daily from electrical shock and arc-blast incidents. He used them as a reminder to always focus on the main things: wearing your PPE and never working on lines that do not have a visible opening, are tested and grounded. Failure to do these things shows a lack of care for yourself and those you work with.

Charlie introduced Officer Matt Hutti. Officer Hutti is with the Kentucky State Police Division of Vehicle Enforcement. He discussed the need to never text or check emails while driving. Be very careful about cell phone usage of any kind. He also discussed CSA 2010. This DOT regulation has introduced much stiffer penalties on drivers instead of carriers. For instance, in

the past, if a driver was asked to show his recent post-trip inspections but could not produce them, the penalties were more severe on the motor vehicle carrier. Now the penalties have become more severe for the driver. He stressed the need to be diligent in your documentation for your own sake. Matt then went to the parking area behind the warehouse to inspect all Inter-County commercial vehicles.

David Phelps provided a detailed PowerPoint presentation and training session to all employees on National Electric Safety Code (NESC) line clearances and based upon the 2007 NESC, two pages of diagrams illustrating Clearance of Wires, Conductors and Cables, developed by Patterson & Dewar Engineers, Inc., were distributed to all employees. David discussed the way the code book was organized. He placed particular emphasis on line clearance issues involving grain bins, buildings (including houses), roads, fields and swimming pools. Throughout his presentation, David referred to the clearance charts and diagrams from the NESC code book. David stated that when checking clearances; always remember that conductor height will be much lower during the warm months, so just checking in colder temperatures does not insure that the clearance is correct.

Marvin Graham stated that all employees should be alert for hazards of all types as you travel throughout the system. It is everyone's responsibility to be alert and aware to eliminate hazards, not just the linemen.

Jim Jacobus mentioned the need to be diligent in investigating possible code violations. Please take all clearance issues seriously and that as a part of our future safety meeting agenda, we will be providing NESC training on a quarterly basis on specific topics.

There being no further discussion, the meeting was adjourned.

Respectfully Submitted,

Charlie Lewis - Safety/Loss Control Coordinator

# SAFETY MEETING ROSTER

Date: September 29, 2011

PRESENTER 1) Officer Matt Hutti, Kentucky State Police  
2) David Phelps

SUBJECT 1) New DOT Rules and Regulations  
2) Line Clearance Training

## Name/Title

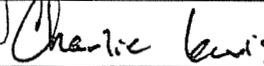
## Signature

### Administrative Department

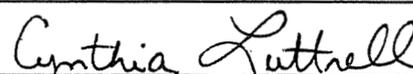
Jim Jacobus, President/CEO



Charlie Lewis, Safety/Loss Control Coordinator



Cynthia Luttrell, Executive Assistant



Melvin Johnson, Facilities Maint. Coordinator



### Customer Service Department

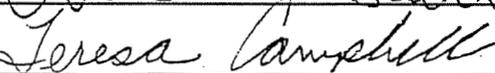
Sheree Gilliam, Vice President



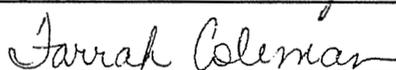
Chris Bach, Computer System Administrator



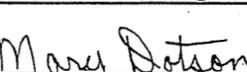
Teresa Campbell, Customer Accounts Rep



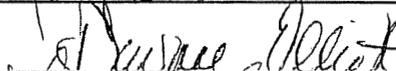
Farrah Coleman, Comm/Customer Info Spec



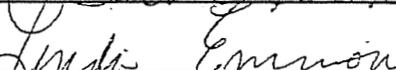
Mary Dotson, Customer Accounts Rep



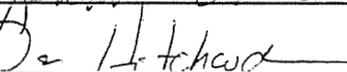
Davonne Elliott, Customer Accounts Rep



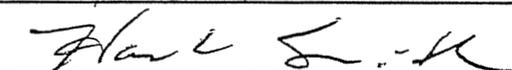
Linda Emmons, Customer Accounts Rep



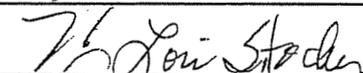
Dan Hitchcock, Manager Customer Service



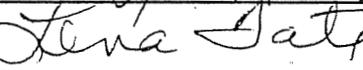
Hank Smith, Customer Service Advisor



Lori Stocker, Manager Customer Accounts



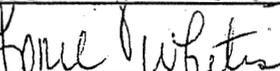
Lena Tate, Customer Accounts Rep



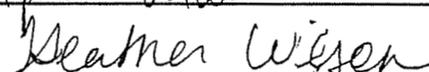
Jennifer Turner, Customer Accounts Rep



April Whitis, Customer Service Advisor



Heather Wilson, Customer Accounts Rep



Finance and Accounting Department

Vickie Lay, Vice President

Diane Rogers, Accountant

Debra Wilmot, Human Resources Generalist

Eugenia Adkins, Assistant Accountant

\_\_\_\_\_  
Diane Rogers  
\_\_\_\_\_  
Debra Wilmot  
\_\_\_\_\_  
Eugenia Adkins  
\_\_\_\_\_

Operations Department

Marvin Graham, Vice President

Darryl Adams, Maintenance Technician

Chris Asbery, Electrical Engineer

Brian Blandford, Maintenance Technician

Mike Brown, Maintenance Technician

Danny Collier, Engineering Technician

Ricky Conder, 1<sup>st</sup> Class Line Technician

Bob Denny, Service Records Supervisor

Tim Duvall, 4<sup>th</sup> Class Line Technician

Ralph Feldman, 1<sup>st</sup> Class Line Technician

Pat Forster, Service Records Clerk

Chase Gander, 1<sup>st</sup> Class Line Technician

Tim Gill, Engineering Technician

Ronnie Gordon, Crew Leader

Sally Gray, Engineering Services Coordinator

Kenny Gribbins, Crew Leader

Colby Grider, 2<sup>nd</sup> Class Line Technician

Norman Griffith, Engineering Technician

Bruce King, 1<sup>st</sup> Class Line Technician

John Land, 1<sup>st</sup> Class Line Technician

\_\_\_\_\_  
Marvin Graham  
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Darryl Adams  
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Chris Asbery  
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Brian Blandford  
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Mike Brown  
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Norman Griffith  
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Bruce King  
\_\_\_\_\_  
John Land  
\_\_\_\_\_

Ricky Lane, 1<sup>st</sup> Class Line Technician

*Ricky Lane*

Kent Loomer, Crew Leader

*Kent Loomer*

Marty Luttrell, 1<sup>st</sup> Class Line Technician

*Marty Luttrell*

Danny Lynn, 2<sup>nd</sup> Class Line Technician

*Danny Lynn*

Danny Masters, Maintenance Technician

*Danny Masters*

Joe Mattingly, Coordinator Purchasing/Wrhse

*Joe Mattingly*

Tevin McElroy, Engineering Technician

*Tevin McElroy*

Bo McGuffey, 1<sup>st</sup> Class Line Technician

*Bo McGuffey*

Curtis Moss, 5<sup>th</sup> Class Line Technician

*Curtis Moss*

David Phelps, System Engineer

*David Phelps*

Ron Quinn, Plant Accountant

*Ron Quinn*

Danny Renner, Crew Leader

*Danny Renner*

DeWayne Siler, Mapping Technician

*DeWayne Siler*

Sandy Straub, Operations Assistant

*Sandy Straub*

Mark Taylor, 1<sup>st</sup> Class Line Technician

*Mark Taylor*

David Turner, Maintenance Technician

*David Turner*

Iran Walker, 1<sup>st</sup> Class Line Technician

*Iran Walker*

Bruce Warren, Maintenance Technician

*Bruce Warren*

Clayton Watts, Maintenance Superintendent

*Clayton Watts*

Larry Wheatley, Maintenance Technician

*Larry Wheatley*

Chuck York, Construction Superintendent

*Chuck York*

**Lebanon District Office**

Mary Lou Mayes, District Manager

*Mary Lou Mayes*

Sharon Bach, Office Coordinator

*Sharon Bach*

## Safety Meeting Minutes

October 25, 2011

The meeting was called to order by Bruce King. Bo McGuffey opened the meeting with prayer. Jim Jacobus discussed the recent trip taken to Washington D.C. by WWII veterans. These trips, called "Honor Flights", are sponsored by Touchstone Energy. Inter-County Energy sponsored Norman Young of Danville. Mr. Young's Honor Flight was last Saturday, October 22<sup>nd</sup>. Jim read a letter to the employees written by Jeff Hohman of East Kentucky Power. Jeff had the honor of going on the flight also. His letter told of the joy Mr. Young received when he was presented with cards of thanks for his service. Many of these letters were written by employees of Inter-County Energy. Jim also showed two videos of news coverage of the flights. The videos were aired on WKYT's news coverage.

Charlie discussed the following items:

- Reminded all employees that on-line safety courses must be completed by the end of the year. If any employee had questions on which courses they still needed to complete, that information was available after the meeting.
- There has been a problem with ants nesting in the new meters. Joe Mattingly has ordered ant spray that can be used in the field. Charlie reminded all employees that when the ant spray arrives, make sure to put the MSDS sheets on their vehicles. These will be made available as the spray arrives.
- Fire Safety/Prevention Week was October 9-15. Charlie showed a power point presentation titled "Fire Safety/ Means of Egress". The presentation covered exits, escape routes, Inter-County's Emergency Action Plan as it pertained to fires, Inter-County's Fire Prevention Plan, fire extinguisher ratings, capabilities, inspections and maintenance.
- Showed two videos about fires. The first demonstrated the rapid acceleration of a grease fire when water was applied. The second video showed how quickly a fire spreads through a structure.

Clarence Greene (KAEC) led the employees through training on care and use of fire extinguishers. Clarence discussed how to tap the bottom of the extinguisher with a rubber mallet to ensure that the powder had not hardened on the bottom of the cylinder. He also discussed how to use a fire extinguisher to put out a fire using the PASS system (point, aim, squeeze and sweep).

Clarence also discussed two recent accidents that happened in the state. Employees were shown pictures from each accident as they were discussed. The first was an electrical contact that occurred at Pennyrite Electric. The lineman was installing bird protection to an energized transformer. He was not wearing his gloves or sleeves. The accident was not fatal. The second accident was a two vehicle collision on a narrow road. The accident involved a logging truck and a digger/derrick from Meade County RECC. The digger was also pulling a pole trailer. Luckily there were no injuries. The digger truck was a total loss from damage it received when it left the roadway to try to avoid the collision.

Marvin Graham mentioned the need for employees to be diligent in looking for code violations as they relate to clearance issues involving our lines. Please turn in anything that you believe could be questionable so that it can be checked properly. Jim then showed employees additions to the Inter-County Energy website. The information on grain bin clearances and a tree planting guide are listed below:

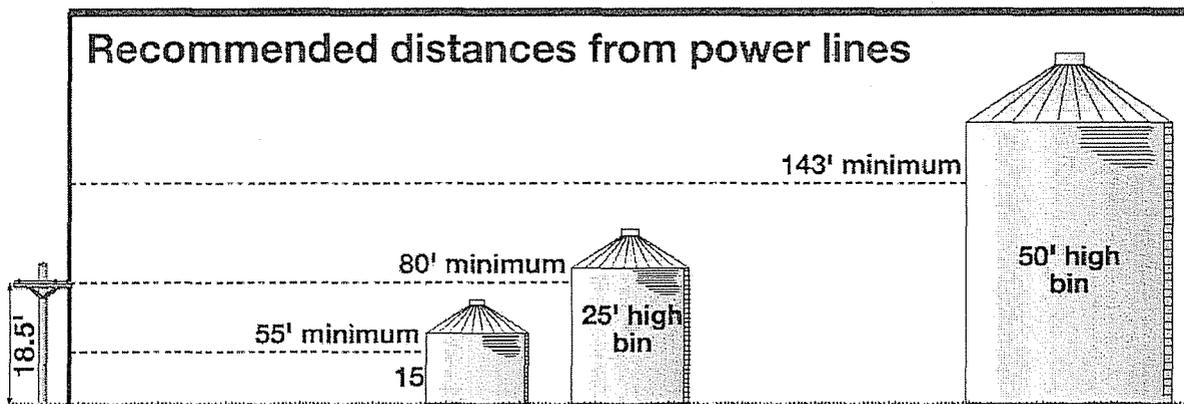
## Grain Bin Clearance Information

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### If Building Grain Storage, Call Us First

**Constructing a grain bin too close to an electric power line is not only hazardous, but it's a violation of the National Electrical Safety Code (NESC). This regulation lists specific minimum distances that must be maintained (both horizontal and vertical clearances) between the bin and any utility-owned overhead lines. A bin constructed too close to a power line may need to be moved, or the power line must be rerouted. Correcting a Code violation is expensive for the property owner and the power supplier.**

The image below and the attached article will give you more details about constructing a grain bin. Please call Inter-County Energy for more information before beginning this process.



## Planting Trees

---

### When planting trees, find the right one for the right place.

Before you plant new trees this next year, know which trees can be planted where, and look up and all around you to be aware of where overhead power lines are located.

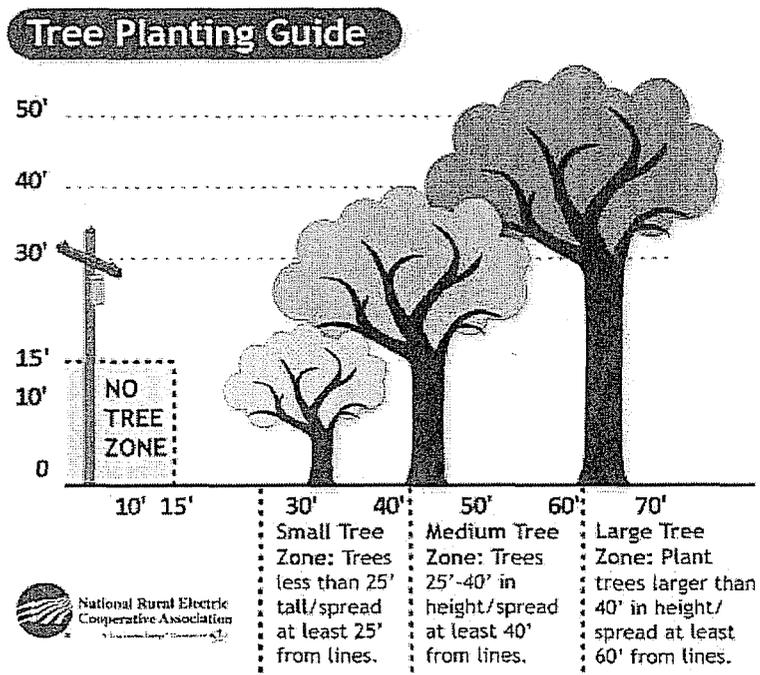
Ground-hugging shrubs and small trees that reach no more than 15 feet in height can be planted near overhead lines: however, trees should never be planted directly under power lines.

Trees that could be planted near over-head power lines include Japanese Red Maple, Crabapple, Dogwood and a Chinese Jupiter.

Trees that mature within 25 to 40 foot height should be planted no closer than 30 feet from the power line. Some species of trees in this range are: Kwanzan Cherry, Hedge Maple and Eastern Hemlock.

Trees that exceed 40 feet in height should be planted no closer than 50 feet from lines. Trees in this range include: American Elm, White Pine, Birch and Sycamore.

Use this diagram to determine the minimum distance to plant from utility poles and lines based on a tree's mature height.



Clayton Watts mentioned that if anyone is working on or adding street lights in the city of Stanford, please make sure they are on the correct account number. Each area of Stanford that contains street lights that are paid for by the city now has its own account number.

There being no further discussion, the meeting was adjourned.

Respectfully Submitted,

Charlie Lewis - Safety/Loss Control Coordinator

# SAFETY MEETING ROSTER

Date: October 25, 2011

PRESENTER Charlie Lewis – Inter-County Safety/Loss Control Coordinator  
Clarence Greene – KAEC Director of Safety and Loss Prevention

SUBJECT Egress and Fire Protection  
Fire Extinguisher Training

Name/Title

Signature

Administrative Department

Jim Jacobus, President/CEO

Jim Jacobus

Charlie Lewis, Safety/Loss Control Coordinator

Charlie Lewis

Cynthia Luttrell, Executive Assistant

Cynthia Luttrell

Melvin Johnson, Facilities Maint. Coordinator

Melvin Johnson

Customer Service Department

Sheree Gilliam, Vice President

Sheree Gilliam

Chris Bach, Computer System Administrator

Chris R. Bach

Teresa Campbell, Customer Accounts Rep

Teresa Campbell

Farrak Coleman, Comm/Customer Info Spec

Farrak Coleman

Mary Dotson, Customer Accounts Rep

Mary Dotson

Davonne Elliott, Customer Accounts Rep

Davonne Elliott

Linda Emmons, Customer Accounts Rep

Linda Emmons

Dan Hitchcock, Manager Customer Service

Dan Hitchcock

Hank Smith, Customer Service Advisor

Hank Smith

Lori Stocker, Manager Customer Accounts

Lori Stocker

Lena Tate, Customer Accounts Rep

Lena Tate

Jennifer Turner, Customer Accounts Rep

Jennifer Turner

April Whitis, Customer Service Advisor

April Whitis

Heather Wilson, Customer Accounts Rep

Heather Wilson

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Eugenia Adkins, Assistant Accountant

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*Ricky Conder*

Bob Denny, Service Records Supervisor

*Bob Denny*

Tim Duvall, 4<sup>th</sup> Class Line Technician

*Tim Duvall*

Ralph Feldman, 1<sup>st</sup> Class Line Technician

*Ralph Feldman*

Pat Forster, Service Records Clerk

VACATION

Chase Gander, 1<sup>st</sup> Class Line Technician

*Chase Gander*

Tim Gill, Engineering Technician

*Tim Gill*

Ronnie Gordon, Crew Leader

Sally Gray, Engineering Services Coordinator

*Sally Gray*

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Colby Grider, 2<sup>nd</sup> Class Line Technician

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*Marty Luttrell*

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*Danny Lynn*  
*Danny Masters*

Danny Masters, Maintenance Technician

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*Joe Mattingly*  
*Bo McGuffey*

Tevin McElroy, Engineering Technician

Bo McGuffey, 1<sup>st</sup> Class Line Technician

*Curtis Moss*

Curtis Moss, 5<sup>th</sup> Class Line Technician

David Phelps, System Engineer

Meeting in Louisville  
*Ron Quinn*

Ron Quinn, Plant Accountant

Danny Renner, Crew Leader

VACATION  
*DeWayne Siler*

DeWayne Siler, Mapping Technician

Sandy Straub, Operations Assistant

Service Dept. Coverage  
*Mark Taylor*

Mark Taylor, 1<sup>st</sup> Class Line Technician

David Turner, Maintenance Technician

*David Turner*  
*Iran Walker*

Iran Walker, 1<sup>st</sup> Class Line Technician

Bruce Warren, Maintenance Technician

*Bruce Warren*  
*Clayton Watts*

Clayton Watts, Maintenance Superintendent

Larry Wheatley, Maintenance Technician

*Larry Wheatley*  
*Chuck York*

Chuck York, Construction Superintendent

**Lebanon District Office**

Mary Lou Mayes, District Manager

Sharon Bach, Office Coordinator

*Sharon Bach*

## INTER-COUNTY ENERGY COOPERATIVE

P. O. Box 87 • Danville, KY 40423-0087

As a result of the incident of Case No. 2011-00280, Inter-County Energy began the NESC clearance training at both the September 2011 and October 2011 monthly safety meetings and will implement quarterly training on specific NESC clearance issues beginning with the first quarter of 2012. This training will continue on an annual basis for the years thereafter. Below is a list of the specific NESC clearance topics to be presented as a part of our monthly safety meetings.

### 2012 Quarterly Schedule for NESC Clearance Topics

February 2012	Buildings (Structures in General – Including Houses)
May 2012	Swimming Pools (Pool Season)
August 2012	Fields (Harvest Time)
November 2012	Roadways



# Inter County Energy - Potential Clearance Findings and Corrections

12/1/2011

WO #	STAKED DATE	MEMBER NAME	POTENTIAL VIOLATION	CURATIVE ACTION	COUNTY	COMPLETION
110383	5/2/2011	James Coffey	Neutral 8' over grain bin	Changed OH to UG primary	Lincoln	5/27/2011
110505	5/24/2011	James Beeler	Primary 10' from grain bin	Install 50' Pole and shorten Primary Tap	Casey	6/2/2011
110475	5/13/2011	Lynda Mattingly	Phase 2' inside clearance window	Moved Phase to new cross arm	Nelson	6/13/2011
110499	5/23/2011	Floyd Rowe	Neutral 3' over grain bin	Rerouted 500' Primary away from Grain bins	Lincoln	6/24/2011
110500	5/23/2011	Old Railroad Bed Rd	Primary line 10' inside vertical window at 28' away	Install 55' Pole and shorten Primary Tap	Garrard	6/24/2011
110476	5/13/2011	William Peterson	Primary line over fuel storage tanks	Relocated 307' of primary	Marion	7/12/2011
110372	4/27/2011	Kay Hale	Line over swimming pool / Pool removed after line move	Relocated 118' of primary line	Lincoln	7/21/2011
110657	7/7/2011	Thomas Martin Mattingly	Over head service to close/ changed to underground	Replaced OH service with UG service	Marion	8/1/2011
110474	5/13/2011	Cloyd Brady	Line at 15' of grain bin	Install new pole and relocate primary	Marion	9/28/2011
110611	6/22/2011	Bill & Susan Mattingly	Line at 8' of grain bin	Relocate 312' of OH primary	Marion	9/28/2011
110655	7/7/2011	Joseph Buckman	Primary line close to grain bins	Change out pole and move away from Grain bin	Marion	9/28/2011
110349	4/19/2011	George Burdine	Primary 12' over barn	Change Pole and add pole in line	Lincoln	5/4/2011
110889	9/6/2011	Peterson Grain Bin	Removed OH prim Installed URD prim for clearance	URD Primary to Padmount Xfmer for grain bins	Marion	9/19/2011
110968	9/29/2011	Danny Gentry	Primary line close to grain bins	add pole and reroute line away from grain bin	Larue	10/4/2011
110655	7/7/2011	Joseph Buckman	Primary line close to grain bins	Change out pole and move away from Grain bin	Marion	9/27/2011
110977	9/30/2011	Katherine Peake	Primary line close to grain bins	Reroute primary line away from grain bins	Marion	10/5/2011
110349	4/19/2011	George Burdine	Clearance issue	Relocate primary close to grain bin	Lincoln	5/2/2011
111068	10/25/2011	Timothy Miller	Rd clearance issue	Add pole in line for rd clearance	Lincoln	11/2/2011
111037	10/18/2011	John Thompson	Clearance issue at grain bin	Move primary line away from grain bin	Marion	11/8/2011
111069	10/25/2011	W C Brogle	Clearance issue at grain bin	Move primary line away from grain bin	Lincoln	11/8/2011
110986	10/4/2011	Thompson Drive	Clearance issue over road	Change out poles for clearance	Marion	11/3/2011
111037	10/18/2011	Hourigan Lane	Clearance issue at grain bin	Changed 1-35' & 1-40' pole to 2-60' poles	Marion	11/8/2011
111069	10/25/2011	Norris Rd	Clearance issue at grain bin	Relocated 393' of primary	Lincoln	11/9/2011
	In Progress	Makers Mark	Clearance from wall on a recently built addition			
	In Progress	Norman Robbins	Low Service	Currently a service order for Eng. To review.	Marion	
	In Progress	Marcus Clark	Low Service	Currently a service order for Eng. To review.	Marion	
110987	10/4/2011	David Sandusky	Low Service	Changed out 2 poles for clearance	Marion	11/10/2011
111113	11/7/2011	Airport Rd	Clearance issue at junk yard	Changed out two poles for clearance	Boyle	11/10/2011

Exhibit 3  
 (Page 1 of 1)

\*The specific service orders or further specific information regarding this inspection process shall be made available to Commission inspectors upon request during the periodic inspections.



INTER-COUNTY ENERGY COOPERATIVE'S

# Kentucky Living!

CELEBRATING THE ENERGY  
OF YOUR COMMUNITY

## SANTA'S SECRETS

"Clousing" in the  
Commonwealth

**SUPER SPORT**  
Firebrick's famous collector

**ELECTRICITY EVERYWHERE**  
Power from dance floors  
and backpack rollups

EXHIBIT 4 (A)

(Ref. Pages 16, 26E, 26G)

# INTER COUNTY

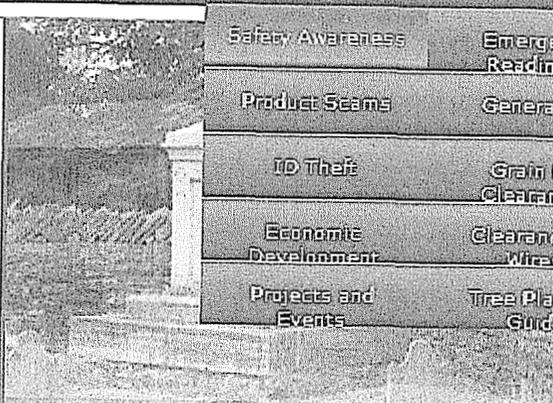
My Cooperative Residential Reducing Your Bill Community Youth My Business Alternative Energy

EXHIBIT 4 (B)  
(Page 1 of 6)

**Home and Events**

- October 26, 2011  
Avoid frightening utility bills
- August 18, 2011  
New Outage Number
- August 1, 2011  
Access to AMI Equipment

[More News and Events](#)



- Safety Awareness
- Emergency Readiness
- Product Seams
- Generators
- ID Theft
- Grain Bin Clearances
- Economic Development
- Clearance for Wires
- Projects and Events
- Tree Planting Guide

**Quick Links**

- [Pay Your Bill](#)
- [8-1-1: Call Before You Dig](#)
- [Daily Temperatures](#)
- [Our Energy, Our Future](#)
- [Co-op Connections Card](#)
- [Outages](#)



**Welcome to Inter-County Energy.**

Our mission at Inter-County Energy Cooperative is to provide long-term valued electrical energy and services to our members through a culture of safety, accountability, innovation, integrity and a commitment to community. Browse our website to find out more on how we follow our mission statement.

Damage

**48°F**

AccuWeather.com

Friday, 11/18/2011 3:55 PM EST

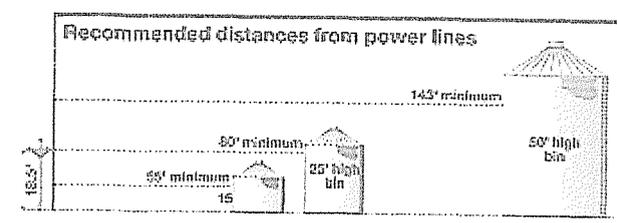
- Community
- [Energy Services](#)
- [Energy Sales](#)
- [Oil Tech](#)
- [Renewable Development](#)
- [Products and Events](#)

### Grain Bin Clearance Information

#### If Building Grain Storage, Call Us First

Constructing a grain bin too close to an electric power line is not only hazardous, but it's a violation of the National Electrical Code (NEC). This regulation lists specific minimum distances that must be maintained (both horizontal and vertical clearances) between the bin and any utility-owned overhead lines. A bin constructed too close to a power line may need to be moved, or the power line must be rerouted. Correcting a Code violation is expensive for the property owner and the power supplier.

The image below and the attached article will give you more details about constructing a grain bin. Please call Inter-County Energy for more information before beginning this process.



Attachment	Size
<a href="#">grain bin clearance article for members</a>	177 KB



EXHIBIT 4 (B)  
(Page 2 of 6)



CONTACT US | EMPLOYMENT OPPORTUNITIES | SEARCH

- My Cooperative
- Residential
- Reducing Your Bill
- Community
- Youth
- My Business
- Alternative Energy

- Home
- Community
- Safety Awareness
- Product Savings
- ID Theft
- Economic Development
- Projects and Events

### Clearances for Wires, Conductors and Cables

Attachment	Size
<a href="#">clearance charts page 1.pdf</a>	595.83 KB
<a href="#">clearance charts page 2.pdf</a>	540.7 KB

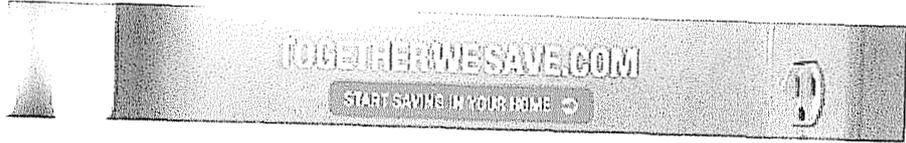


EXHIBIT 4 (B)  
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# INTER COUNTY

My Cooperatives | [Get Details](#) | [Refunding Your Bill](#) | [Community](#) | [Trees](#) | [My Customer](#) | [Advanced Energy](#) | [Home](#)

## Community

- [Energy Literacy](#)
- [Energy Savings](#)
- [Energy](#)
- [Energy Conservation](#)
- [Energy and Smart](#)

## Planting Trees

### When planting trees, find the right one for the right place.

Before you plant new trees this next year, know which trees can be planted where, and look up and all around you to be aware of where overhead power lines are located.

Ground-hugging shrubs and small trees that reach no more than 15 feet in height can be planted near overhead lines; however, trees should never be planted directly under power lines.

Trees that could be planted near overhead power lines include Japanese Red Maple, Crabapple, Dogwood and a Chinese Juniper.

Trees that mature within 25 to 40 foot height should be planted no closer than 30 feet from the power line. Some species of trees in this range are: Kwanzan Cherry, Hedge Maple and Eastern Hemlock.

Trees that exceed 40 feet in height should be planted no closer than 50 feet from lines. Trees in this range include: American Elm, White Pine, Birch and Sycamore.

Use this diagram to determine the minimum distance to plant from utility poles and lines based on a tree's mature height.

### Tree Planting Guide

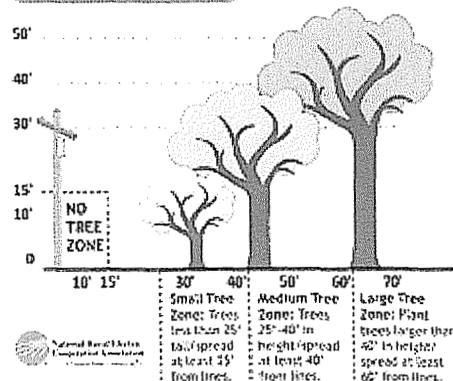


EXHIBIT 4 (B)  
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