

**OSHA Update**  
**Lake County Safety Council**  
**April 20, 2012**

**Howie Eberts**  
**Area Director**  
**OSHA, Cleveland Area Office**

Why Work Safely?



# Is there a need for OSHA?

*Each year...*

- Nearly 5,000 workplace fatalities
- 50,000 deaths from workplace-related illnesses
- 5.7 million non-fatal workplace injuries
- Injuries alone cost U.S. businesses over \$125 billion

**Source - OSHA Publication 2056**

## ***Vision and Goals***

**DOL** : Good Jobs for Everyone

**OSHA** : Safe Jobs for Everyone  
Voice in the Workplace

# Who is covered by the OSH Act?

- Most private sector employees
- Coverage is provided directly by federal OSHA or through an OSHA-approved state program
- Does not cover the self-employed or immediate members of farm families that do not employ outside workers

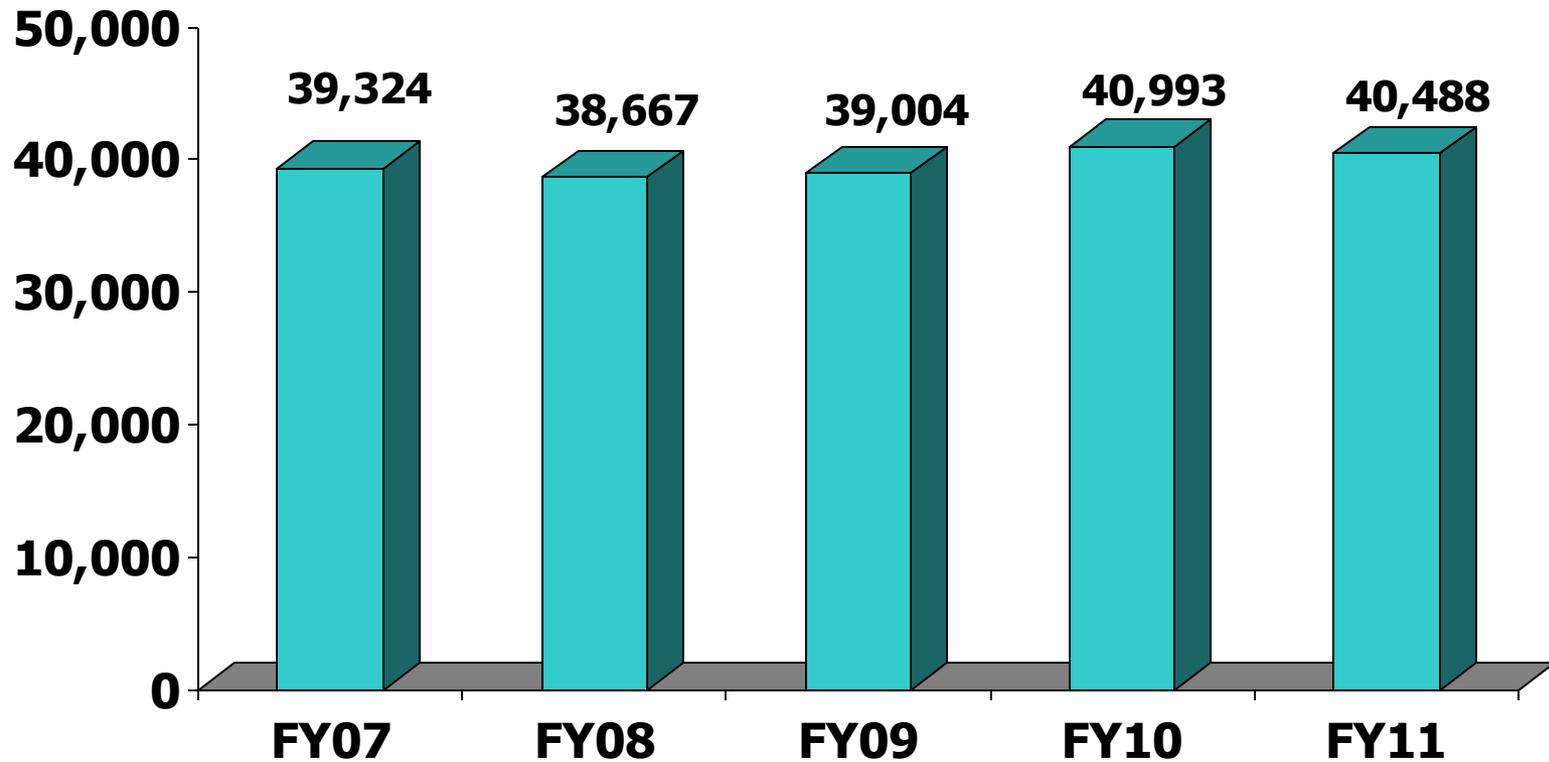
# OSHA Emergency Hot-Line

## 1-800-321-OSHA

- Report workplace safety or health fatalities or the hospitalization of 3 or more employees
- Report a workplace hazard
- File a complaint about a workplace hazard
- Request information on OSHA
- Request an OSHA publication

# FY 2007 – FY 2011

## Inspections Conducted (Federal)

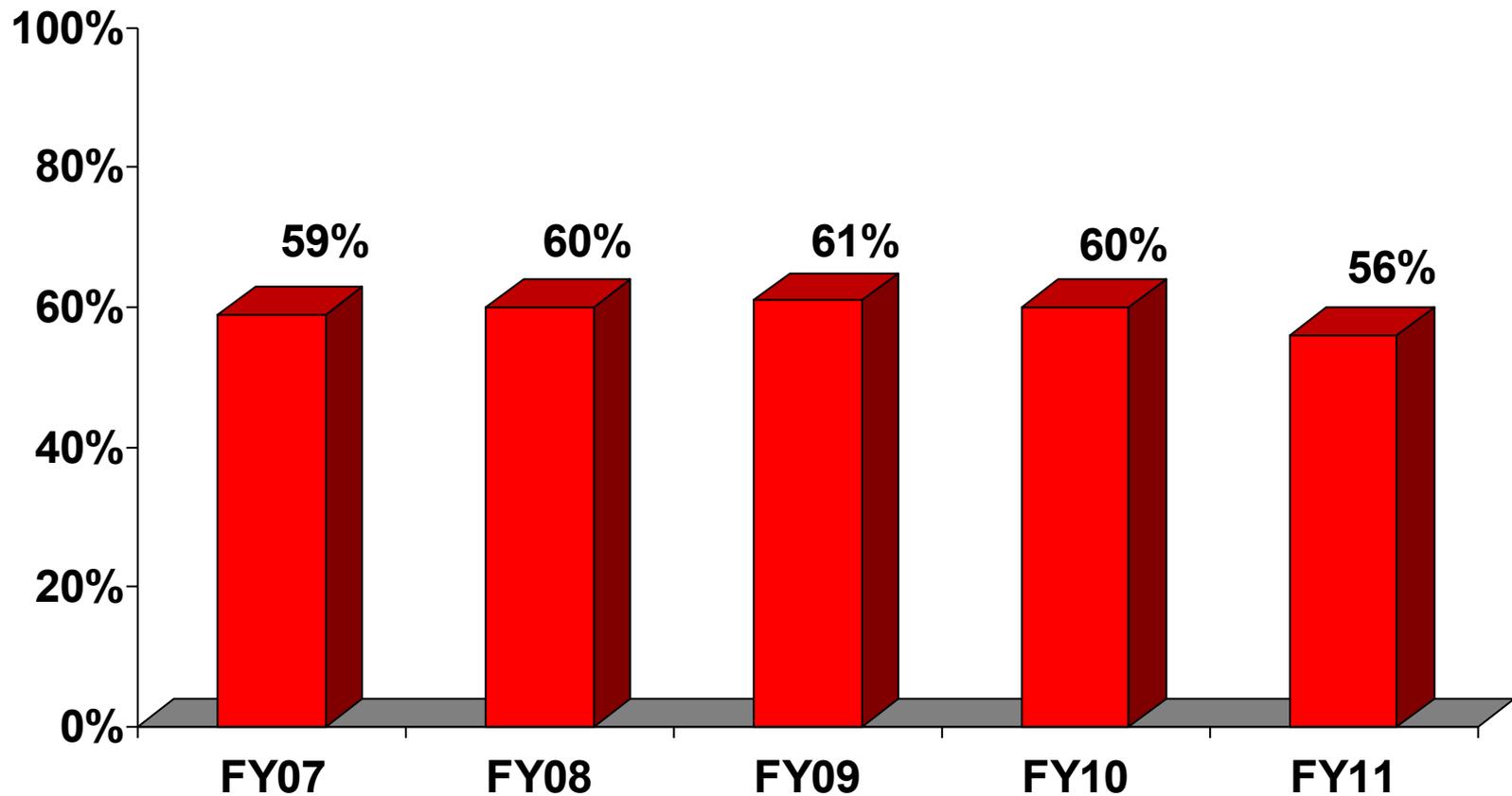


# Region V FY 2011 Inspection Data

- 7,141 total inspections
  - 3,512 of which were construction
  - 1,478 were health inspections
- Ohio inspection data for FY 2011
  - 2,632 inspections
  - 1,293 were construction
  - 558 were health inspections

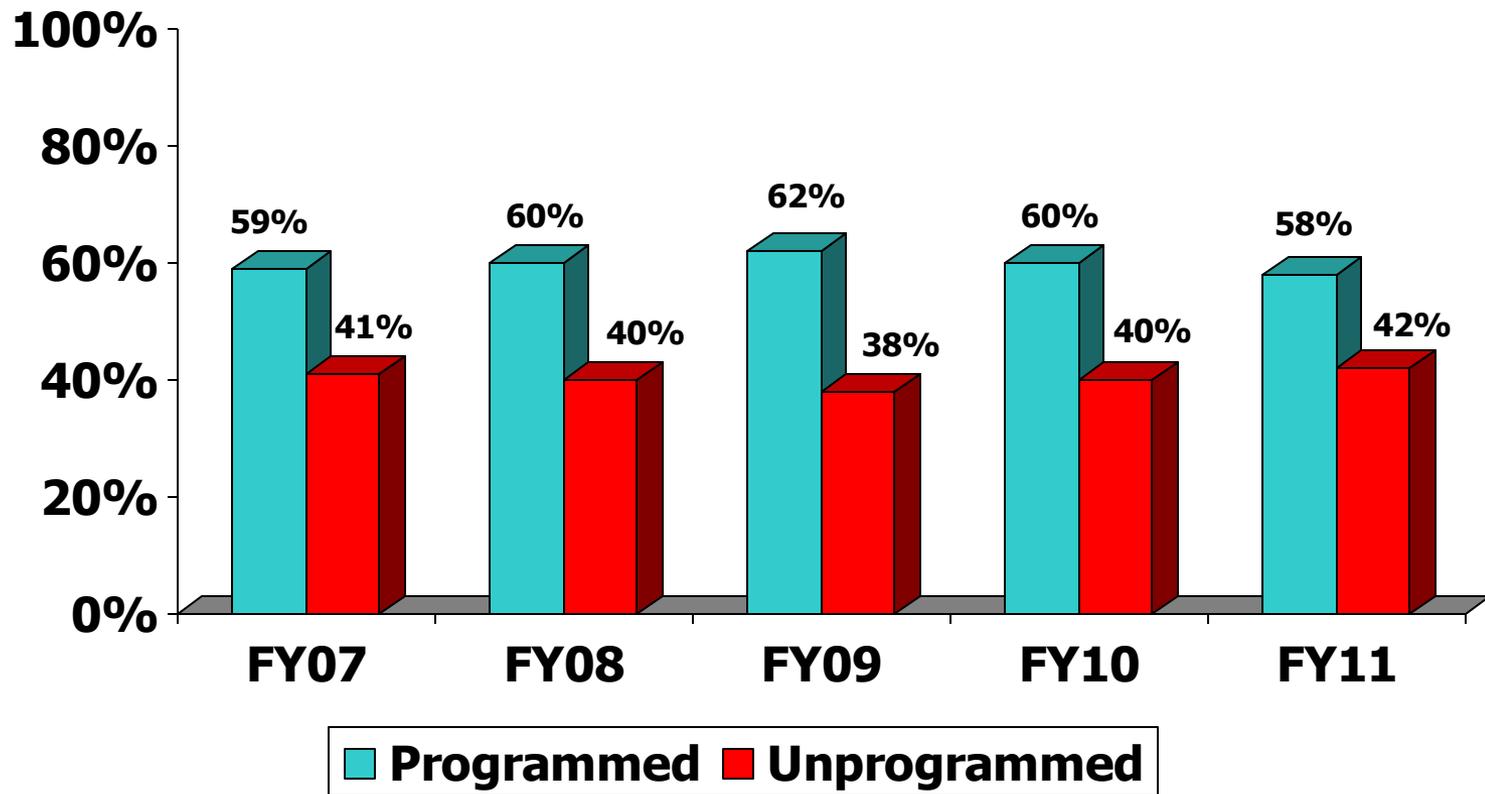
# FY 2007 – FY 2011

## % Construction Inspections

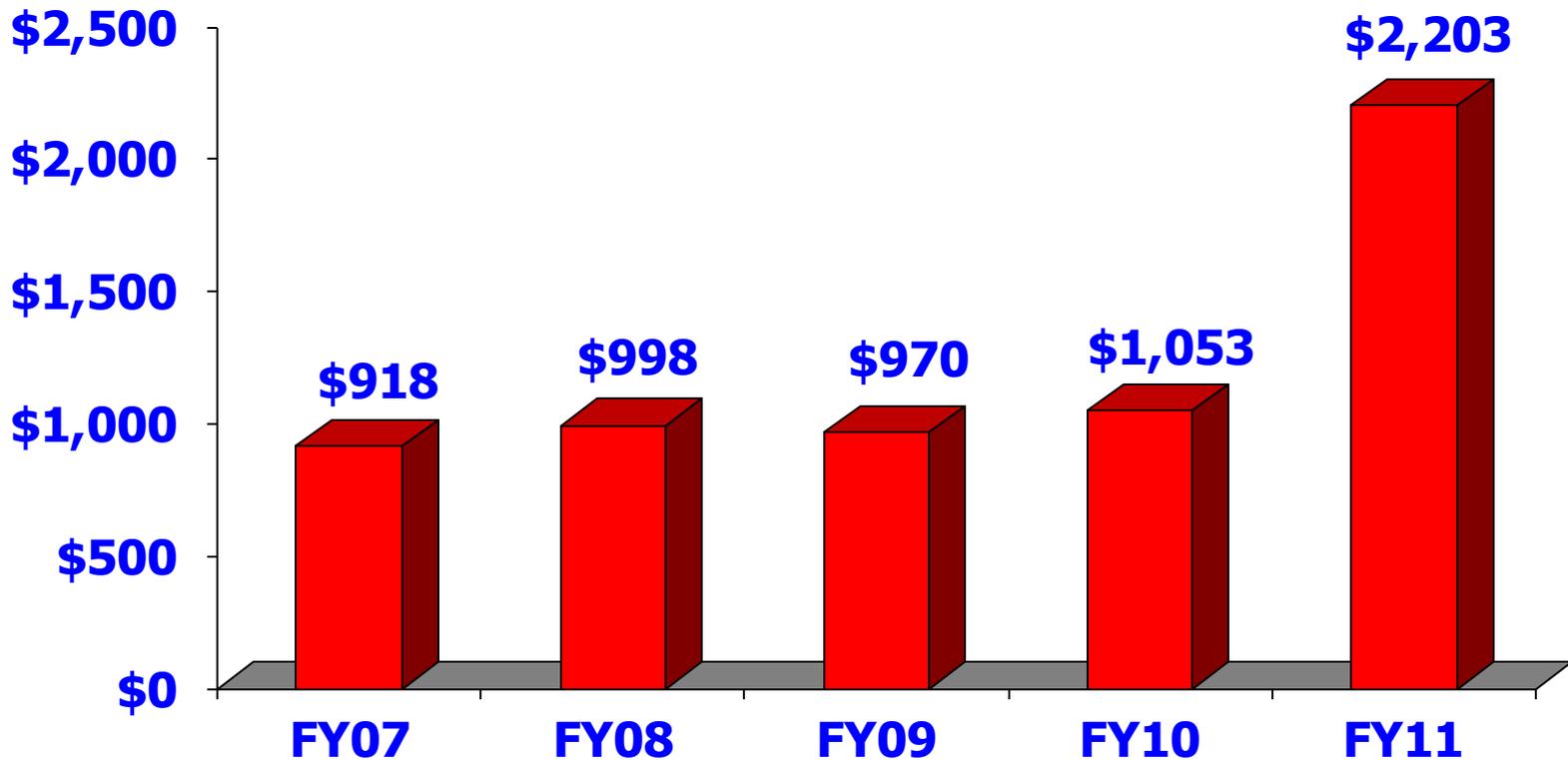


# FY 2007 – FY 2011

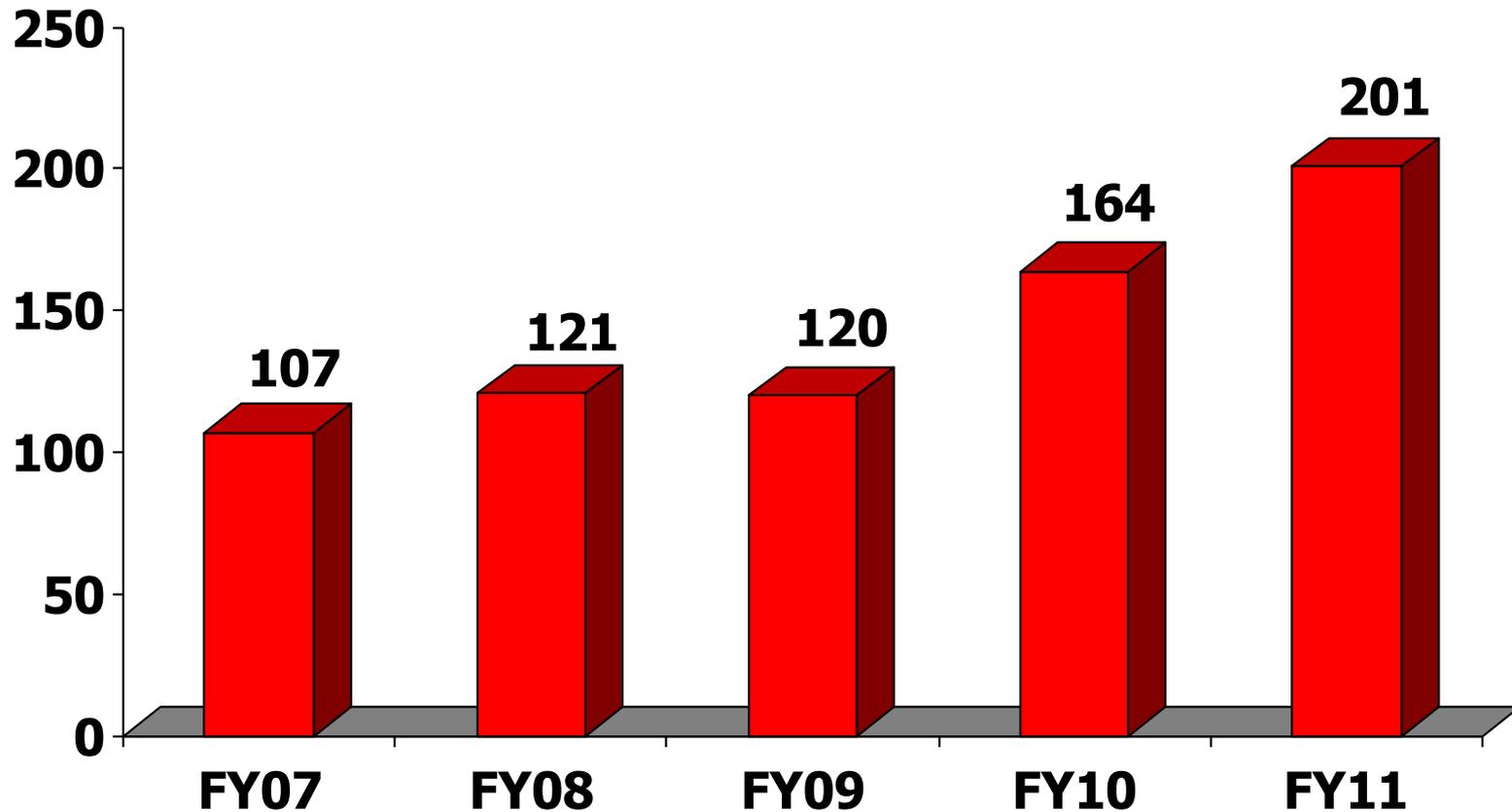
## % Programmed vs. % Unprogrammed



# FY 2007 – FY 2011 Nationwide Average Current Penalty Per Serious Violation



# FY 2007 – FY 2011 (Oct 1 – Sep 12 ) Significant Cases



# Significant Cases Region V– FY 11

65 significant cases issued

- Wisconsin – 11 issued
- Illinois – 26 issued
- Ohio – 28 issued

# Nationwide, FY 2011

## Top 10 Most Cited Standards (Construction Industry)

- 1. Scaffolding**
- 2. Fall Protection**
- 3. Ladders**
- 4. Fall Protection,  
Training  
Requirements**
- 5. Hazard  
Communication**

- 6. Head Protection**
- 7. General Safety &  
Health Provisions**
- 8. Aerial Lifts**
- 9. Eye & Face  
Protection**
- 10. Specific Excavation  
Requirements**

# Nationwide, FY 2011

## Top 10 Most Cited Standards (General Industry)

- 1. Hazard Communication**
- 2. Respiratory Protection**
- 3. Lockout/Tagout**
- 4. Electrical, Wiring Methods**
- 5. Powered Industrial Trucks**
- 6. Electrical, General Requirements**
- 7. Machine Guarding**
- 8. Recordkeeping**
- 9. Personal Protective Equipment**
- 10. Mechanical Power Transmission Apparatus**

# National Emphasis Programs

- | • Current:         | In Development:     |
|--------------------|---------------------|
| • Lead             | Nursing Homes       |
| • Combustible Dust | Chemical Facilities |
| • Amputations      | Isocyanates         |
| • Primary Metals   |                     |
| • Recordkeeping    |                     |
| • Silica           |                     |
| • Trenching        |                     |
| • Food Flavorings  |                     |
| • Hex Chrome       |                     |

# Region V Local Emphasis Programs for FY 12

- Primary Metals
- Fall Hazards in Construction
- Powered Industrial Vehicles  
(Construction & General Industry)
- Building Renovation/Rehabilitation (“Gut Rehab”)
- Amputation Targeting in GI
- Grain
- Dairy Farm LEP for Wisconsin

# HEAT FACT SHEETS



**WATER.  
REST.  
SHADE.**

*The work can't get done without them.*

**A HEAT SAFETY FACT SHEET**

**Two types of heat illness:**

**Heat Exhaustion:** 

**Heat Stroke:** 

**Heat kills – get help right away!**

**Stay safe and healthy!**

Drink water even if you aren't thirsty every 15 minutes.  

Wash out for each other. 

Wear a hat and light-colored clothing.  

Take breaks when you are working in heat you need to call 911. 

Rest in the shade.  

**Heat illness can be prevented!**  
By law your employer must have:

- Water
- Shade and Rest
- Training
- Emergency Plan





**AGUA.  
SOMBRA.  
DESCANSOS.**

*Sin ellos no se puede trabajar.*

**UNA HOJA INFORMATIVA SOBRE EL CALOR**

**Dos tipos de enfermedades por calor:**

**Agotamiento:** 

**Insolación:** 

**El calor mata – ¡Conseja ayuda de inmediato!**

**¡Manténgase seguro y sano!**

Traga agua incluso si no tienes sed cada 15 minutos.  

Se ayudan de uno a otro. 

Usa sombrero y ropa ligera de colores claros.  

Descansa en la sombra.  

**¡Se pueden prevenir las enfermedades por calor!**  
Por ley su empleador debe tener:

- Agua
- Sombra y descansos
- Capacitación
- Plan de emergencia



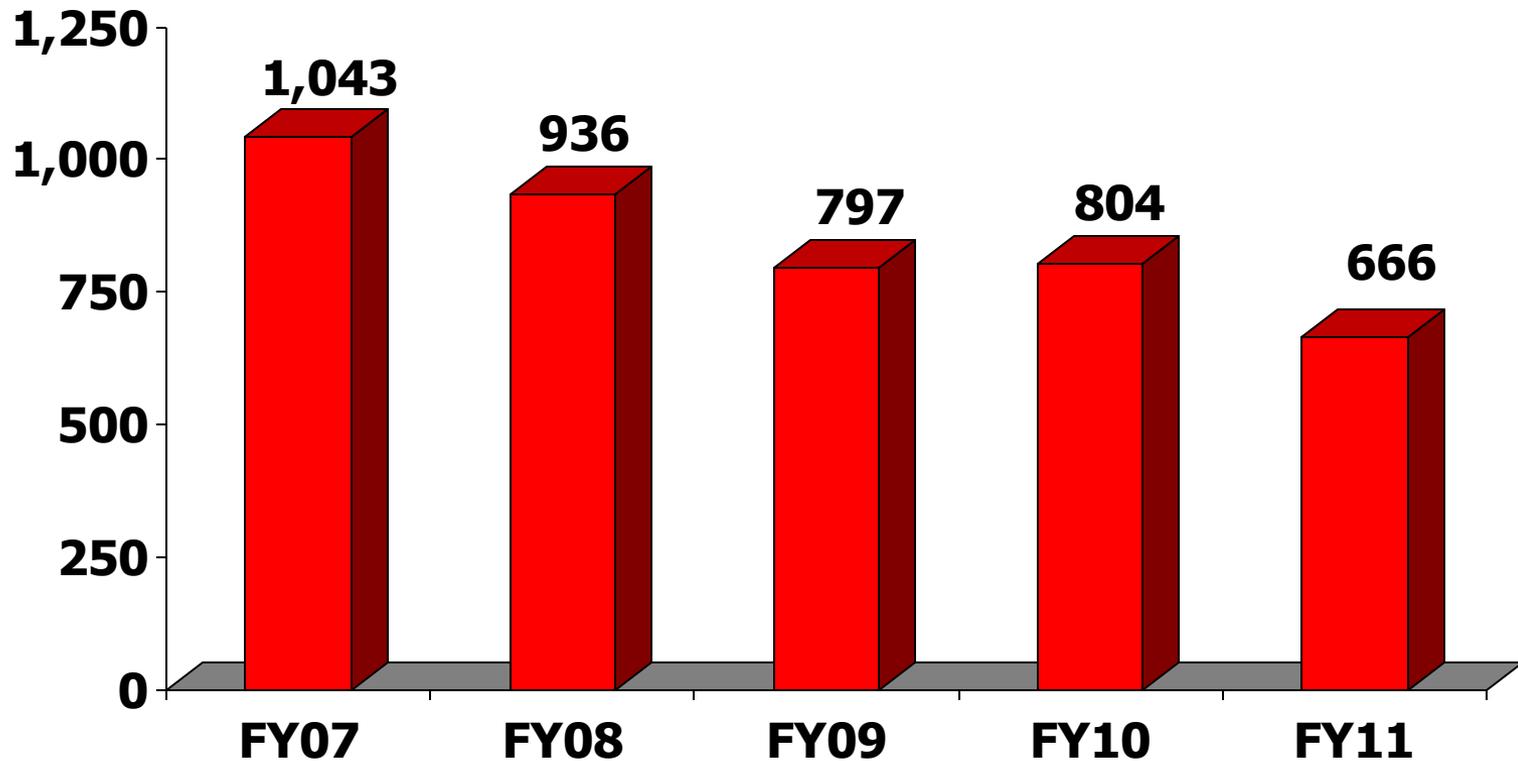
# Whistleblower

- FY 11, Region V received 496 Whistleblower complaints (20% of Nation's total)
  - 331 - 11c cases
  - 94 - merit cases
  - 13 - complainants reinstated
  - \$806,746 – wages recovered for complainants
- In Ohio:
  - 153 - whistleblower cases
  - 33 - merit cases
  - 3 - complainants reinstatements

# OSHA Fatal Accidents

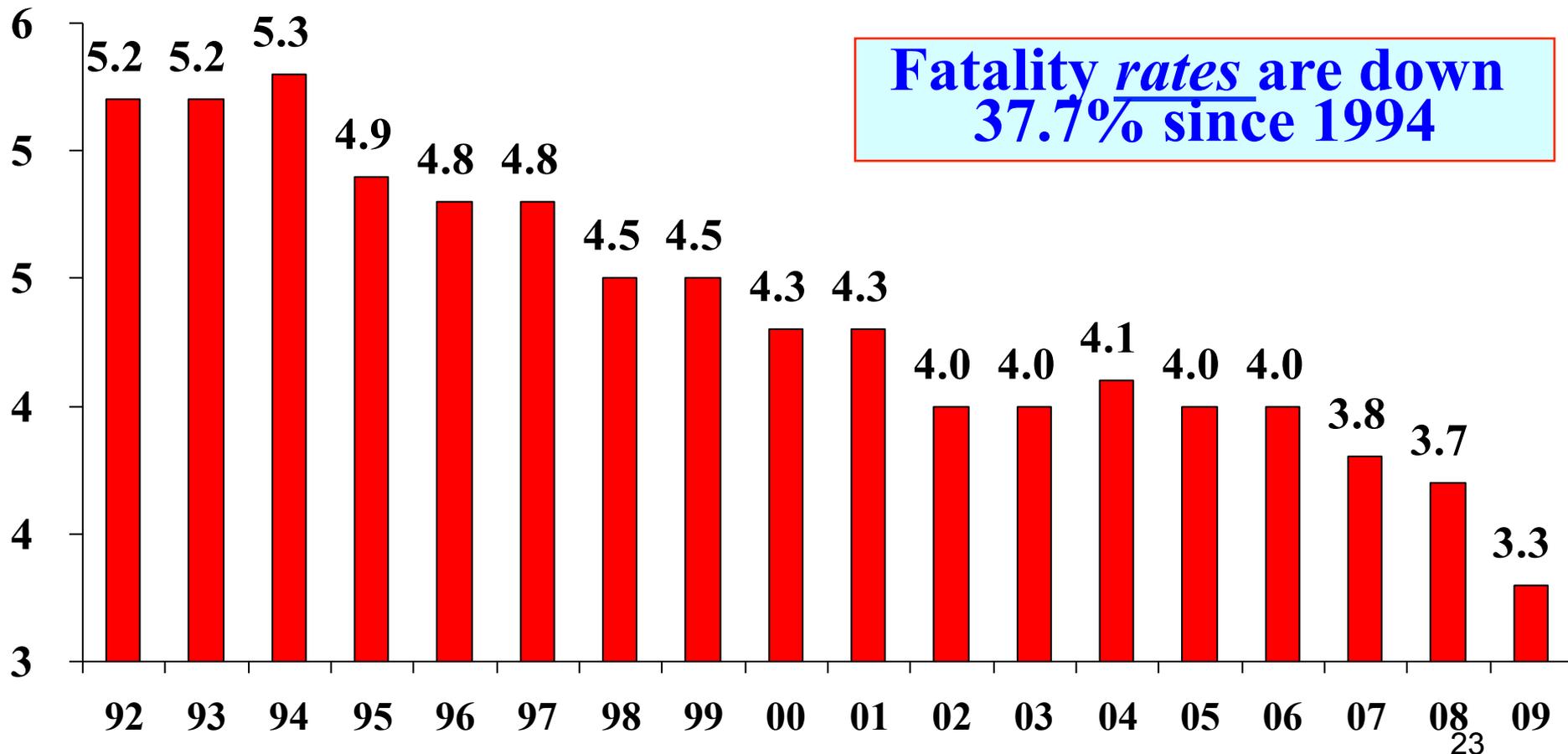
Region V – Illinois, Ohio &  
Wisconsin

# FY 2007 – FY 2011 Fatality Investigations



# Rate of Fatal Work Injuries Continues to Drop, 1992 – 2009

Fatal Work Injuries per 100,000 Workers



# OSHA REGION V

## FATALITY STATISTICS

As of December 31, 2011 there have been

# 115

**fatalities under OSHA's jurisdiction in Region V for calendar year 2011**

### FATALITIES BY EVENT AND INDUSTRY SECTOR

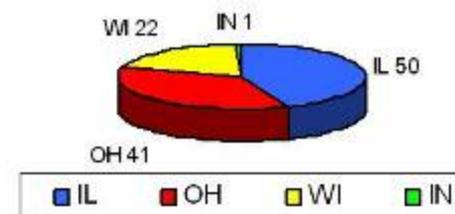
	CONSTRUCTION SIC 1500-1799	MANUFACTURING SIC 2000-3999	OTHER
CAUGHT	6	8	17
ELECTROCUTIONS	3	2	10
FALL	11	7	8
FIRE & EXPLOSION	0	0	1
OTHER/ PENDING	4	3	5
STRUCK-BY	7	9	14
TRENCH CAVE-INS (ALREADY INCLUDED IN CAUGHT)	1	0	0
<b>TOTAL</b>	<b>30</b>	<b>26</b>	<b>48</b>



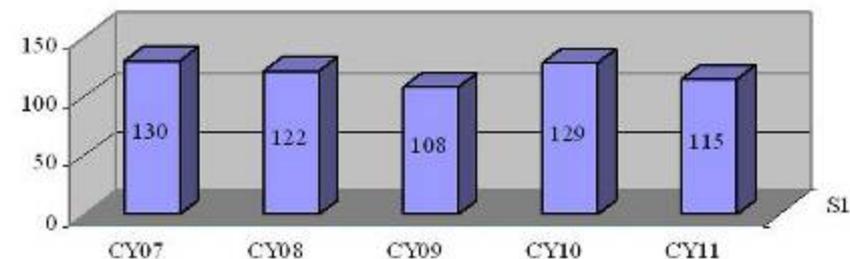
### Immigrant Language Fatalities CY 2011

Immigrant Language Fatality Inspections	<b>18</b>
Hispanic	<b>17</b>

Number of Fatalities Investigated per State



### REGION V FATALITIES



# REGION V

## FATALITY STATISTICS

As of April 1, 2012 there have been

# 27

**fatalities under OSHA's jurisdiction in Region V for calendar year 2012**



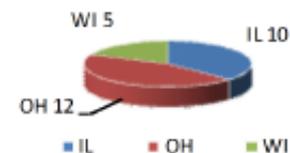
### FATALITIES BY EVENT AND INDUSTRY SECTOR

	CONSTRUCTION SIC 1500-1799	MANUFACTURING SIC 2000-3999	OTHER
CAUGHT	1	1	7
ELECTROCUTIONS	1	0	0
FALL	4	2	1
FIRE & EXPLOSION	0	0	0
OTHER/ PENDING	0	0	2
STRUCK-BY	1	2	5
TRENCH CAVE-INS (ALREADY INCLUDED IN CAUGHT)	0	0	0
<b>TOTAL</b>	<b>7</b>	<b>5</b>	<b>15</b>

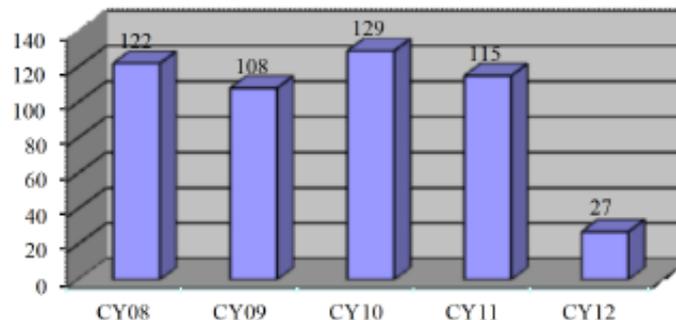
### Immigrant Language Fatalities CY 2012

Immigrant Language Fatality Inspections	2
Hispanic	2

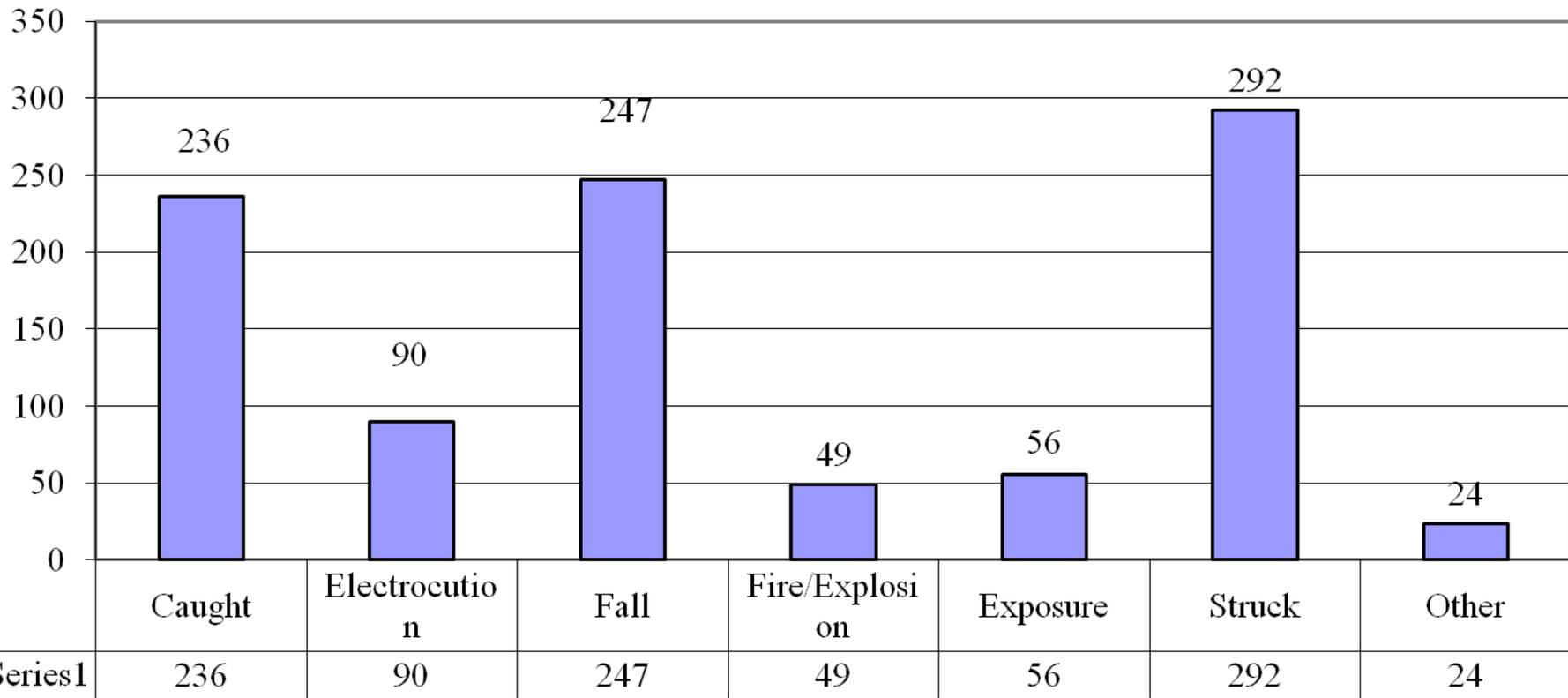
### Number of Fatalities Investigated per State



### REGION V FATALITIES



## Region V Fatalities by Event, 2004-2011 (OSHA Data - IL, WI, OH)



# *The “Big 3” Falls, Caught-In, Struck-By*

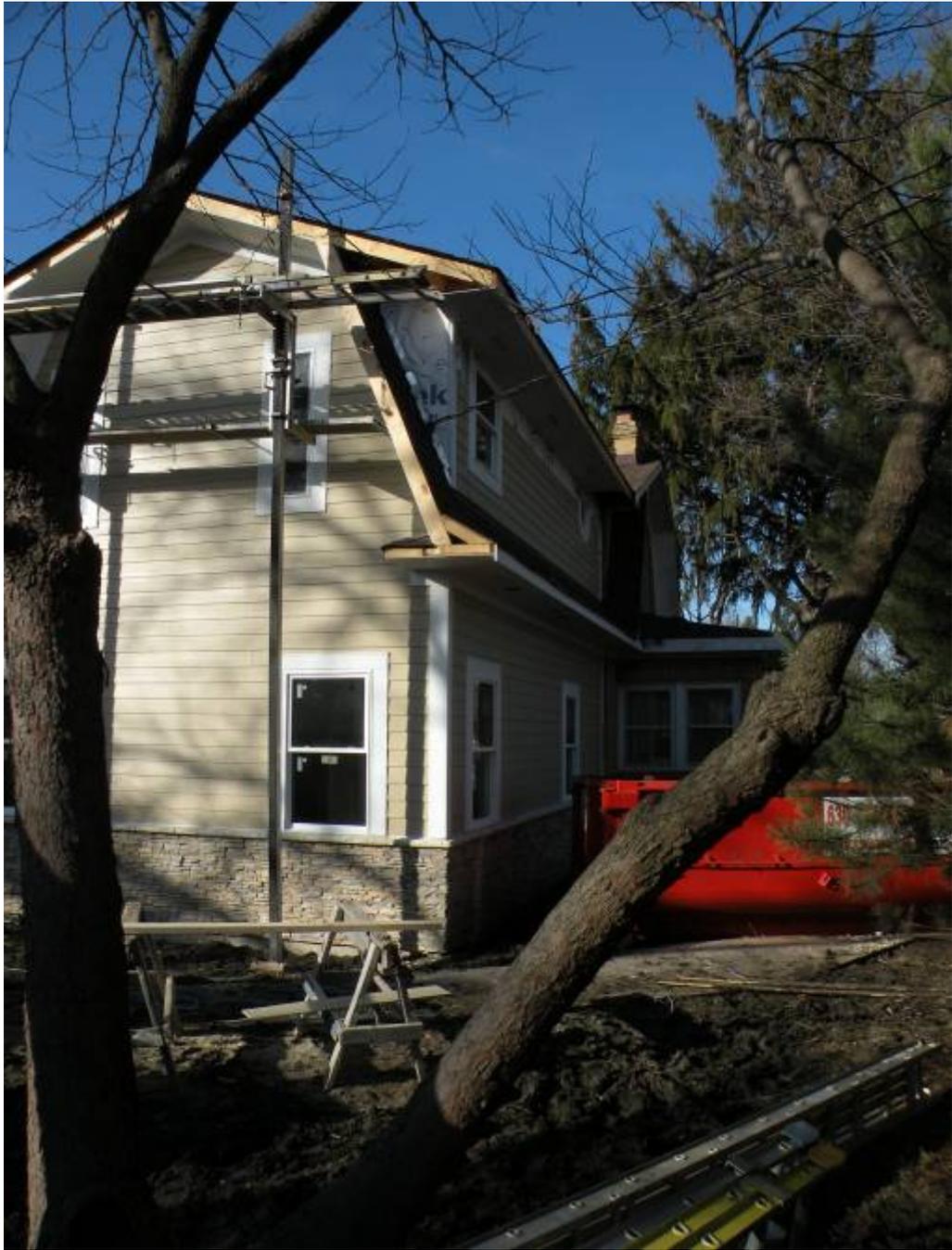
- The “Big 3” comprises 83% of all fatalities in Region V.*



# Region V Fatality Trends - Caught In Equipment

- Lack of Machine Guarding
- No Lockout/Tagout Procedures







**Tyvek**  
HomeWrap

**Tyvek**  
HomeWrap

**Tyvek**  
HomeWrap

DUPONT

DUPONT

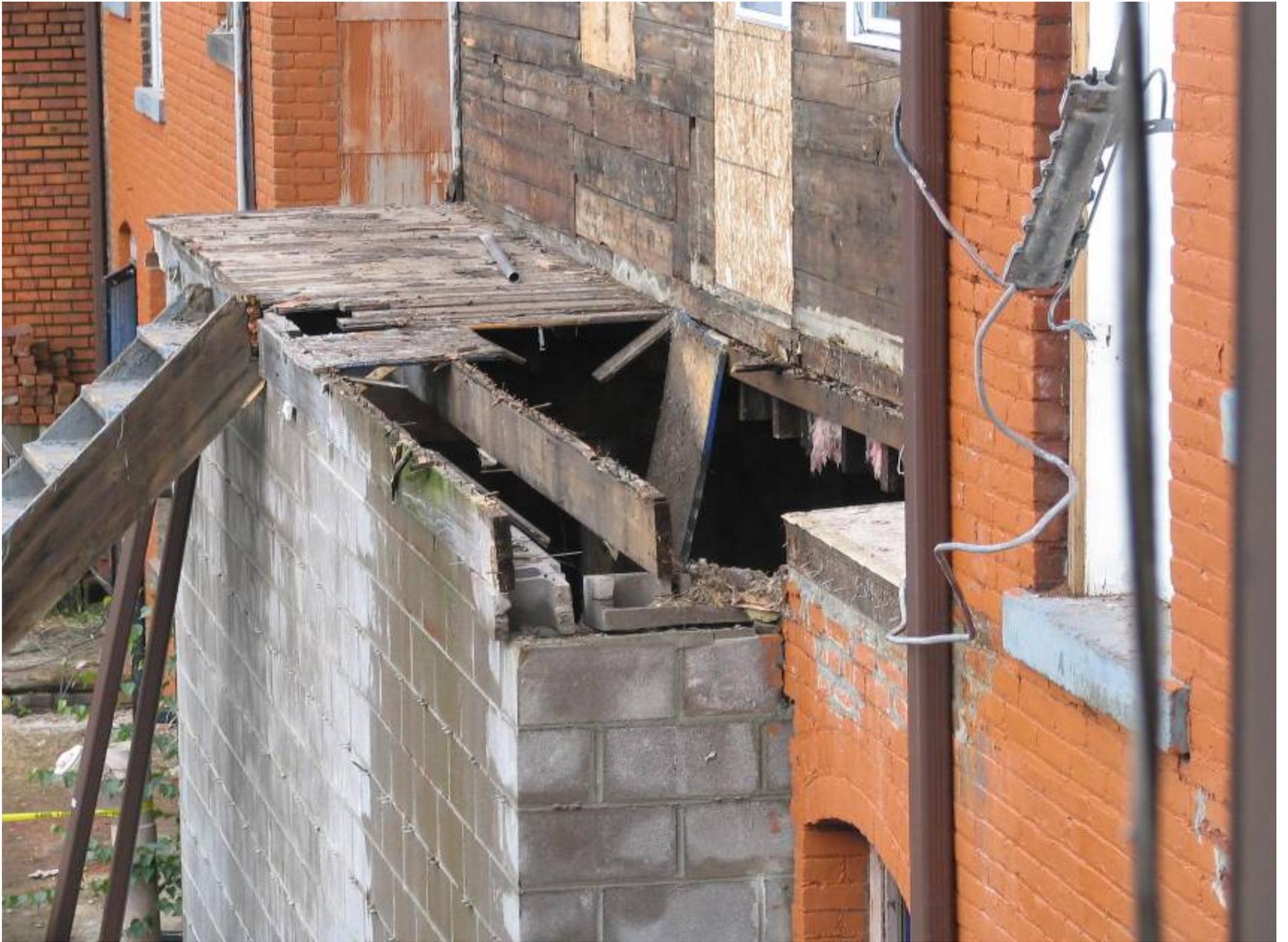
DUPONT

The miracles of science



# Recent Cleveland Area Fatalities

- Fall through roof (2)
- Fall from flat roof
- Trench (quick coupler) struck-by bucket
- Highway work zone – struck-by vehicle
- Electrocution during pole setting– step potential
- Demolition – building collapse (2 workers killed)
- Casino collapse – Near miss
- Caught-in between steel coil & machine
- Caught between excavator and wall



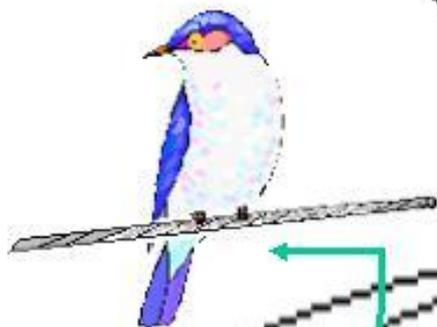
# E.P.Z.

Equal Potential Zone

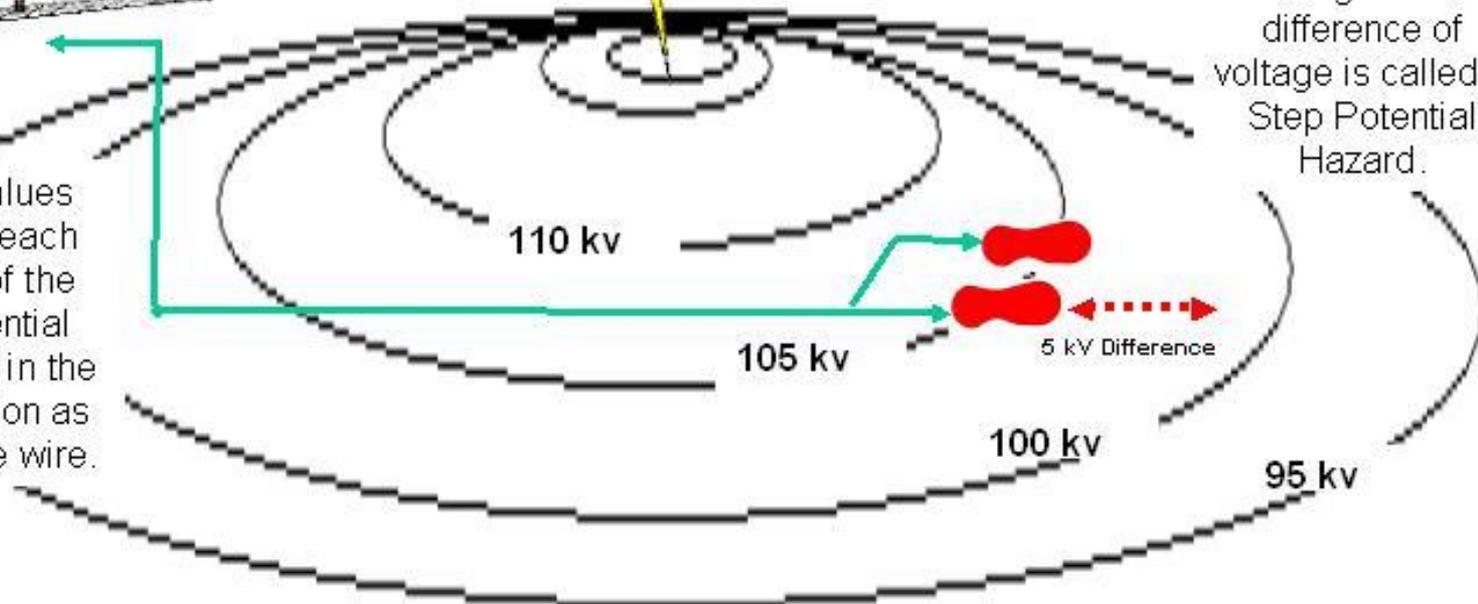
# STEP POTENTIAL

**HAZARD**

Step Potential is the voltage value between the span of one step. Each foot is referenced to a different potential or voltage. This difference of voltage is called a Step Potential Hazard.



Voltage values that equal each other are of the same potential and put you in the same position as a bird on the wire.



# G.P.R.

Ground Potential Rise

When an energized line makes contact with ground the earth becomes hot and the voltage dissipates in concentric circles away from the initial contact point.

# RALG Demolition Double Fatality

Building Collapse

1-24-2012







# *Resources*

- [www.osha.gov](http://www.osha.gov)
- Quick Takes  
<http://www.osha.gov/as/opa/quicktakes>
- [www.dol.gov](http://www.dol.gov) – Twitter, Facebook, You Tube
- Compliance Assistance Specialists in OSHA offices
- On-site Consultation
- OSHA Quick Cards
- OTI and Education Centers

# Questions?

