



Tim Vaughn

Director, Kentucky 811

**The Call Before You Dig
Agency for Kentucky**



Law

KRS 367.4901 – 4917

- Visit www.kentucky811.org for downloadable copy of current law.

KRS 367.4903



367.4903 definitions for KRS 367.4903 to 367.4917

As used in KRS 367.4903 to 367.4917

(1) "Underground facility" means an underground line or system used for producing, storing, conveying, transmitting, or distributing telecommunications, electricity, gas, petroleum, petroleum products, cable television, hazardous liquids, water, steam, or sewerage, including storm drainage.

(2) "Damage" means weakening of structural or lateral support or penetration of a facility coating, housing, or other protective device. It also means the partial or complete dislocation or severance of underground facilities.

(3) "Demolition" means any operation by which a structure or mass of material is wrecked, razed, moved, or removed by means of mechanized equipment, or discharge of explosives.

(4) "Excavator" means any entity or individual, other than those exempted by KRS 367.4915 engaged in excavation or demolition.

(5) "Operator" means any entity or individual owning underground facilities to serve the public.

KRS 367.4911



367.4911 Excavator to notify operator of work schedule - Responsibilities of excavator.

(3) If more than one(1) excavator will operate at the same site, each excavator shall notify the protection notification centers individually. Notification by an excavator will serve as notification for any of that excavator's employees. Failure by an excavator to notify the protection notification center does not relieve individual employees of responsibility



Accurate data is the key to planning....

You've got to know where you're at
before you can plan where you're
going.



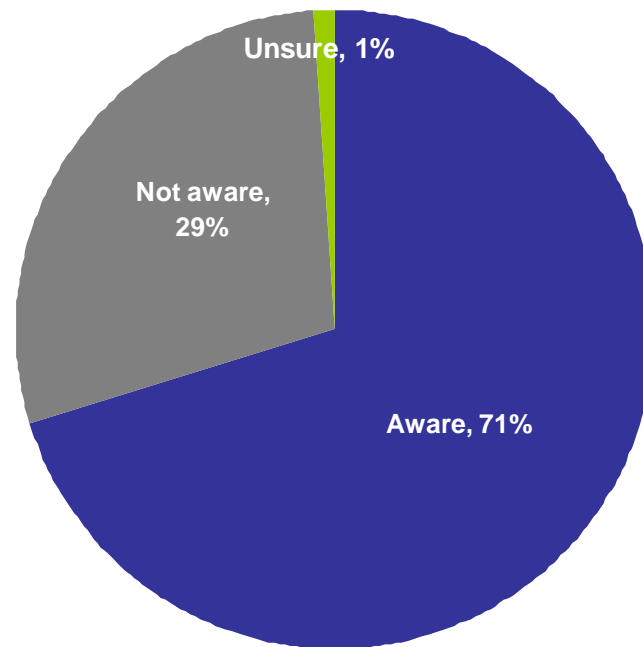
**Surveys are an effective way
to obtain data based on
intentions.**

**DIRT records history of actual
events.**

Six Demographic Measurement Areas of Kentucky

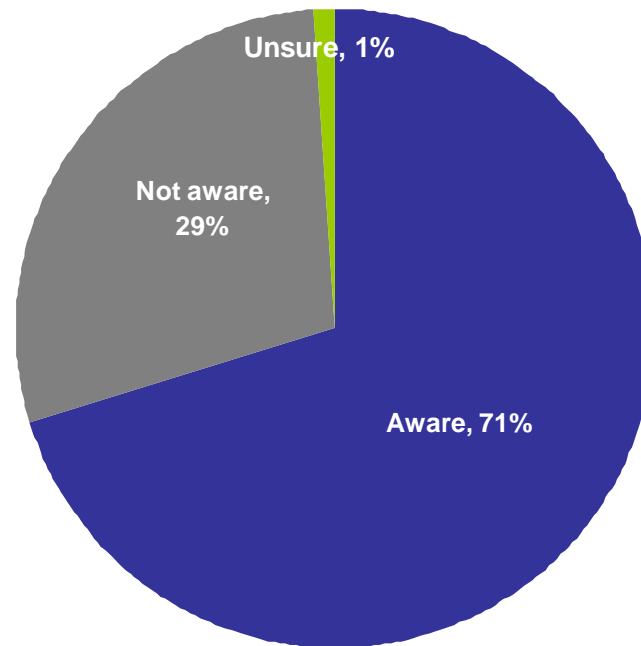


Awareness of Call Before You Dig Service



Awareness of Call Before You Dig Service

**Only 44%
Actually
Called
Before
They Dug**

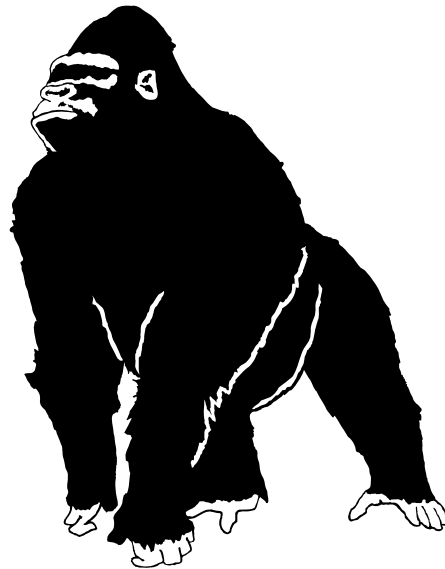




Kentucky – Average of **ONE** damage
every **40 MINUTES**

WHY?

- Gorilla Video
- Rights not granted for general distribution





**GORILLAS are
EVERYWHERE**



Hindsight is 20-20

**GORILLAS are VERY
EASY to see after the
incident has happened**



D.I.R.T.

Storage system for GORILLAS



Kentucky Virtual Private DIRT

- Data is Secure
- Data is confidential
- Customizable with “Flex Fields” and appearance
- Easy to query

Kentucky Virtual Private DIRT



Benefits

- Exposes breakdowns in the damage prevention process
- Provides the ability to direct damage prevention resources to areas of highest need
 - Training programs
 - Media
 - Trade shows
- Legislative support

 Please log in to continue

Single Sign-On

Welcome to Single Sign-On! CGA's central site for gaining access to a host of applications and services.

[What is SSO? ➤](#)

Already registered and forgot your password?

[Forgot Password ➤](#)

[Log In ➤](#)

New to DIRT?

Registration is fast and easy. In just a few minutes, you can be submitting your data via our secure web-based form or taking advantage of our Automated Data Loader or Universal Front End Loader tools.

Why use DIRT? [Find out more ... ➤](#)

[Register ➤](#)

About CGA

The Common Ground Alliance (CGA) is a non-profit organization dedicated to promoting shared responsibility in damage prevention. Representing individuals from 15 stakeholder groups and over 150 member organizations, the CGA works cooperatively with all interested stakeholders to identify and implement effective measures to protect the underground infrastructure during excavation activity.

[Tell Me More ➤](#)

DIRT Tools & Documentation







Annual Report [Menu ➤](#)

NEW Release Notes [5.5.1 ➤](#)

Universal Front End Loader [download ➤](#)

DIRT User Guide [Guide ➤](#)

Need Training?

-  [Registration](#)
-  [Web Data Entry](#)
-  [Automated Data Loader](#)
-  [Profile & Password](#)
-  [Manager Tasks](#)
-  [Data Grants & Query Wizard](#)

Virtual Private DIRT

NEW Virtual Private DIRT (VPD) is your own version of DIRT customized for your company or organization. You must first be logged in (registered with DIRT) before completing the order form.

[Get It! ➤](#)



Damage Prevention
is a Shared Responsibility.

CGA Single Sign-On

Already registered for one or more CGA applications?
Log in here:

Email:*

Password:*

Login

New Registration?

It's easy! You'll be prompted through the process.
Simply click on the Register link on the right side of the screen.

Problems logging in?

If you just entered your username and password and were immediately returned to this screen without an error, your browser probably is not allowing cookies. To fix this, please visit:

[Cookie Info](#)

Or, if you received an error about an invalid password, you may need to go through the process to re-set it starting here:

Need to register?

Register for CGA Production applications below.

NEW [Sandbox Servers](#)

- CGA DIRT North America [Register](#)
- One Call Systems International [Register](#)
- Alabama Virtual Private DIRT [Register](#)
- Atmos Energy Virtual Private DIRT [Register](#)
- Blue Stakes of Utah Virtual Private DIRT [Register](#)
- Colorado 811 Virtual Private DIRT [Register](#)
- Dig Safely New York Virtual Private DIRT [Register](#)
- Florida Virtual Private DIRT [Register](#)
- Indiana Utility Regulatory Commission - Virtual Private DIRT [Register](#)
- Kansas Corporation Commission Virtual Private DIRT [Register](#)
- Kentucky 811 Virtual Private DIRT [Register](#)



Damage Prevention
is a Shared Responsibility.

CGA Single Sign-On

You are logged in as:

tim.vaughn@insightbb.com

Choose an application on the right or click the button below if you need to log in again.

Logout

Access a CGA Application

You are registered for the following applications:

- One Call Systems International, as Tim Vaughn of Kentucky 811 [Access](#)
- Kentucky 811 Virtual Private DIRT, as Tim Vaughn of Kentucky 811 [Access](#)

Other available applications you may request access to:

- CGA DIRT North America [Request](#)
- Alabama Virtual Private DIRT [Request](#)
- Atmos Energy Virtual Private DIRT [Request](#)
- Blue Stakes of Utah Virtual Private DIRT [Request](#)
- Colorado 811 Virtual Private DIRT [Request](#)
- Dig Safely New York Virtual Private DIRT [Request](#)
- Florida Virtual Private DIRT [Request](#)
- Indiana Utility Regulatory Commission - Virtual Private DIRT [Request](#)
- Kansas Corporation Commission Virtual Private DIRT [Request](#)



- Log Out
- Main Menu
- User Guide
- Downloads
- Support

DIRT Main Menu	
Damage Report	Submit a new Damage Report
Browse Damage Reports	Browse Damage Reports for all companies
File Upload	Upload a file containing multiple Damage Reports to be processed by the Automated Data Loading (ADL) process
Browse File Uploads	Browse file uploads and associated Damage Reports for all companies
Data Grants	Grant/Revoke access to your raw data for reporting purposes. Set whether or not this is a Reporting Organization to which other organizations may grant access. Cross DIRT Data Grants is now available for sharing between DIRT North America and Virtual Private DIRT! NEW Optionally, you can now share your identity (i.e. Company/Org Name only) with whom you provide a Data Grant.
Data Quality (DQI)	The Data Quality Index reports provide simple metrics on the number of essential fields submitted to DIRT and the measure of their contribution to the DIRT Annual Report. (more info...) Average DQI for submissions from Kentucky 811 for 2009: n/a , 2010: n/a .
Dashboard	Dashboard provides visibility into key performance indicators (KPIs) through simple visual graphics such as charts and tables (tabular data)
Query Wizard	Query Wizard now provides two interfaces - "Quick Reports" and "Power Reports". The new Power Report Designer uses a "Wizard" like process to step you through the report creation process. Also, You'll be able to choose from a list of predefined reports, organized by "owner" and reports shared by others. Currently, your role will allow you to download submitted data for all companies
Company Admin	Browse and edit existing company information.
User Admin	Browse and edit new and existing users of this application for all companies



- Log Out
- Main Menu
- User Guide
- Downloads
- Support

Cancel

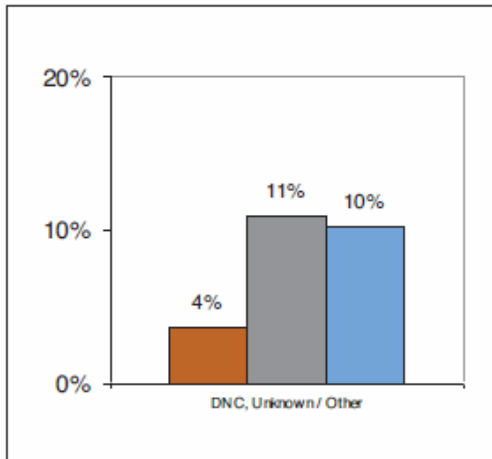
Part A: Who is submitting this information?	
Who is providing this information?	One Call Center
Name of person providing this information:	Tim Vaughn <tim.vaughn@insightbb.com>

Part B: Date and Location of the event	
*Date of event:	<input type="text"/> (MM/DD/YYYY or YYYY-MM-DD)
*Country	United States
*State	Kentucky
*County	-- select --
City	<input type="text"/>
Street Address:	<input type="text"/>
Nearest intersection:	<input type="text"/>
*Right of way where the event occurred:	-- select --

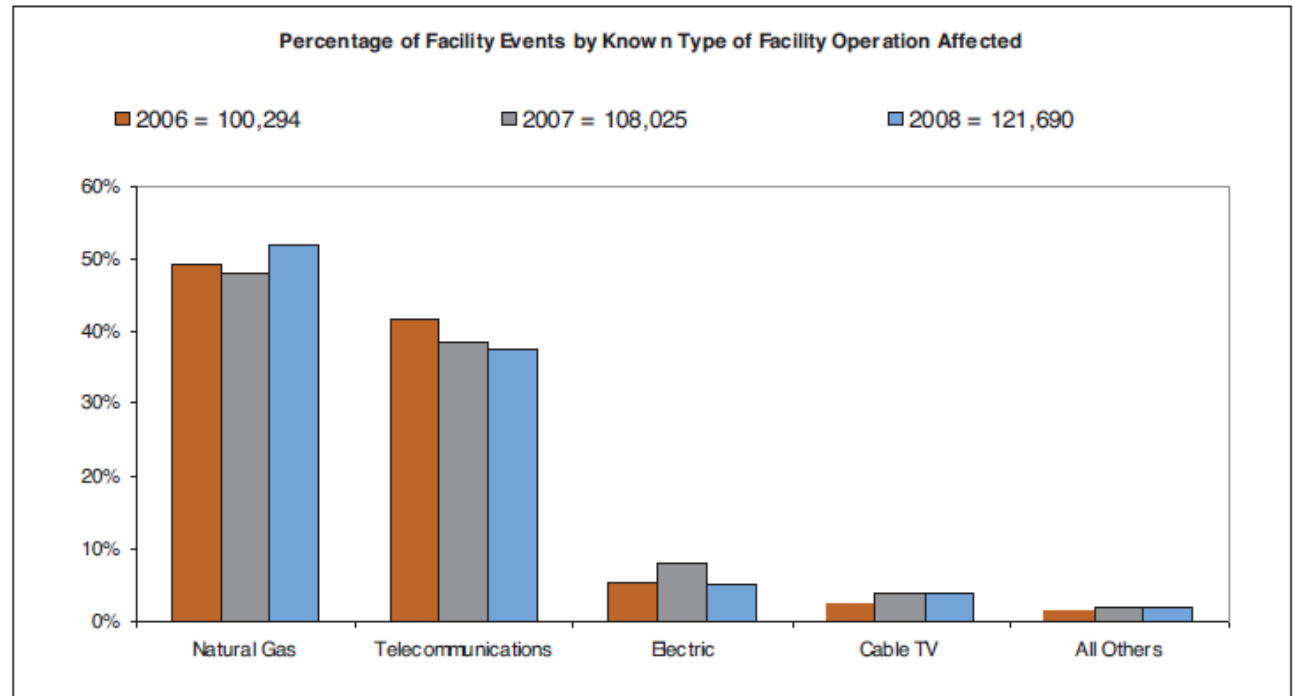
Part C: Affected Facility Information	
*What type of facility operation was affected?	-- select --
*What type of facility was affected?	select

Natural Gas damages lead the way for 3rd year in a row

Data from 2008 North American DIRT Report

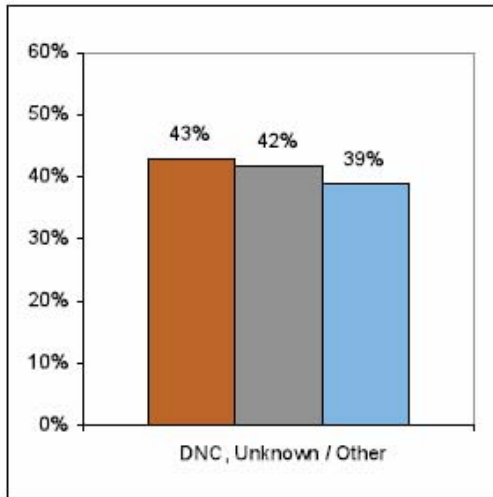


Note: 10% of 2008 events did not identify type of operation affected (above graph).

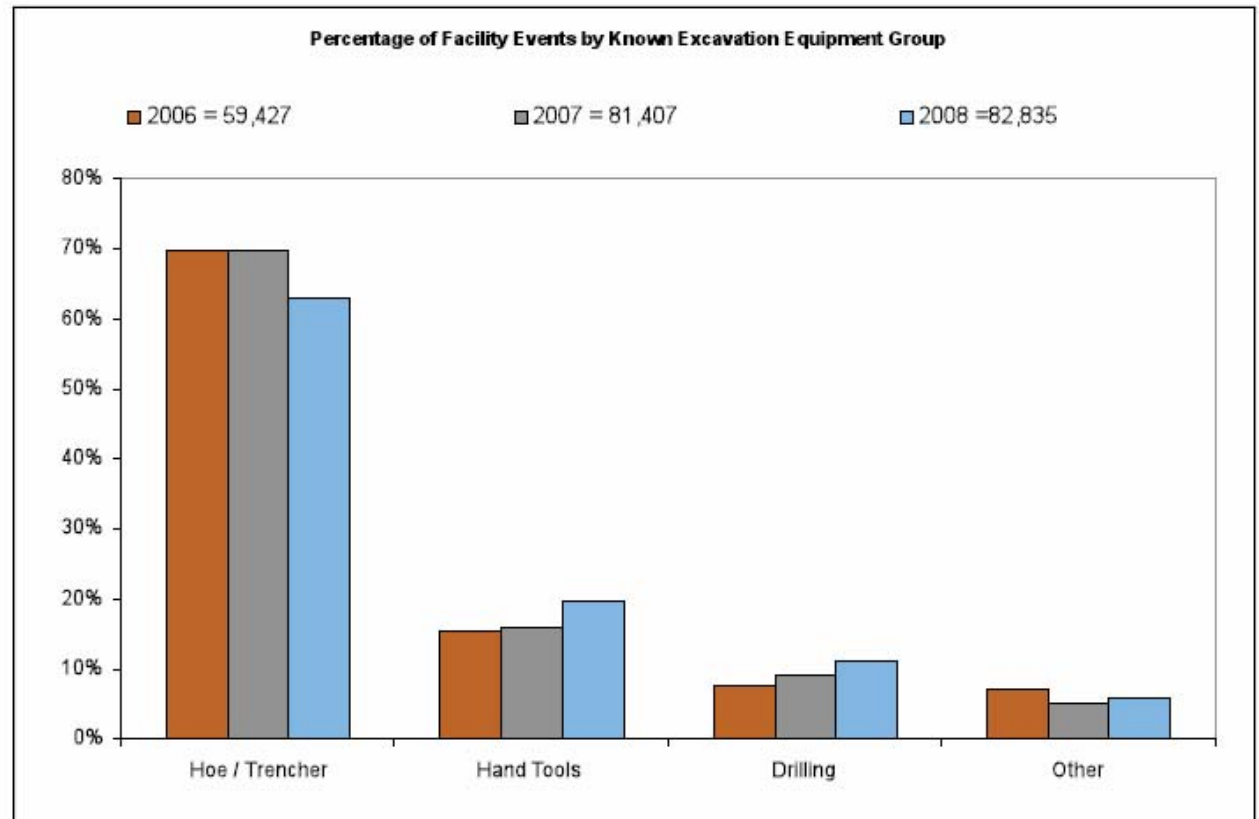


Hoe / Trencher Operators Cause Most Damages

Data from 2008 North American DIRT Report

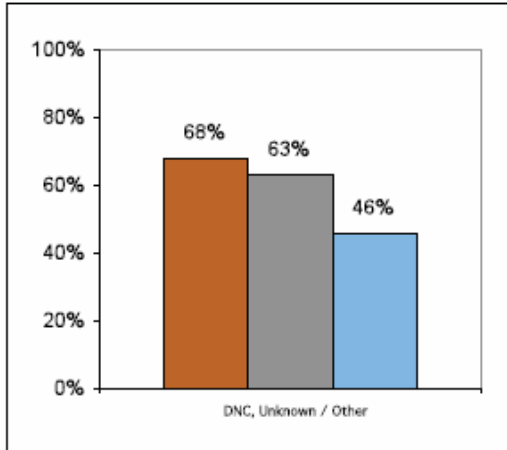


Note: 39% of 2008 events did not identify type of excavation equipment (above graph).

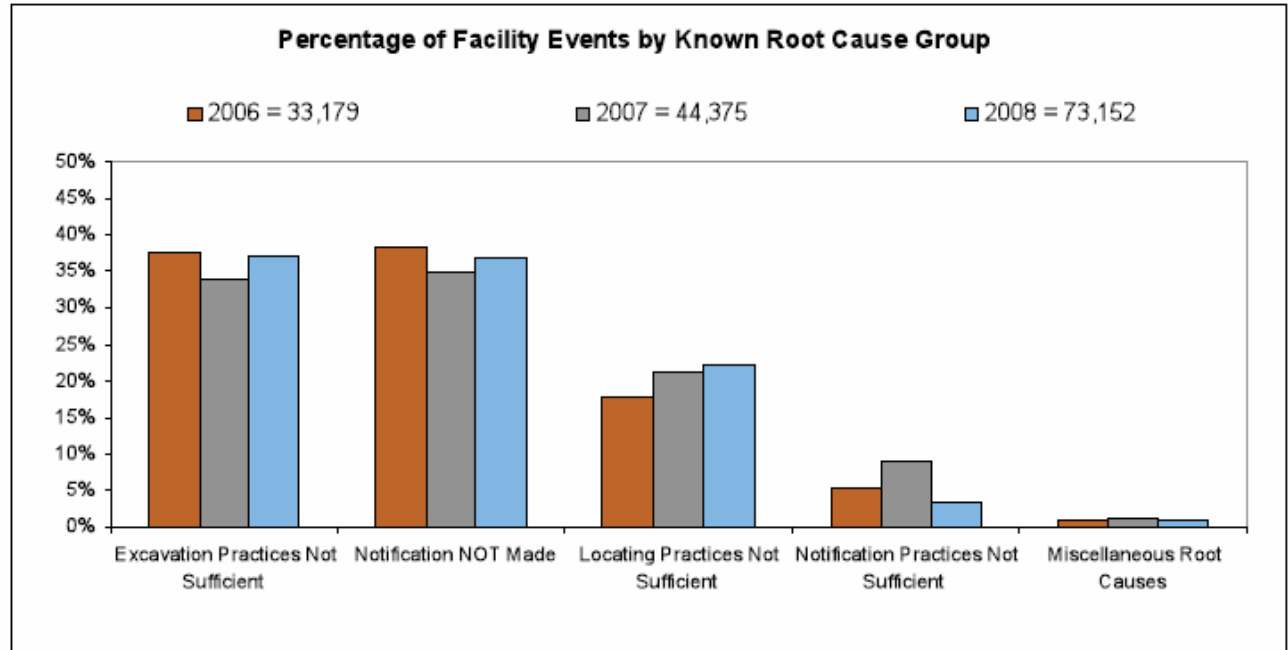


Root Cause Chart

Data from 2008 North American DIRT Report



Note: 46% of 2008 events did not identify root cause of the facility event (above graph).





A44-10

A44-10

A44-10



ATFD
ATFD





Colorado “Damage Prevention Report Card”



Combines DIRT data with other relative data

Table-B, State Demographic and One-Call Data

DEMOGRAPHICS						
Land Area:	104,093	Square Miles			%Change	%Change
	2008	2003	2007	2008	2003-2008	2007-2008
Population:		4,583,430	4,908,108	5,013,015	9.4%	2.1%
Population Density (per sq.mi.):		44.0	47.2	48.2	9.5%	2.1%
Net Migration:		24,315	54,686	49,843	105.0%	-8.9%
Building Permits:		39,569	29,454	18,998	-52.0%	-35.5%
	Counties					
	Reported					
ONE-CALL DATA						
Incoming Tickets:	64	788,314	643,630	563,041	-28.6%	-12.5%
Facility Damages:	51	13,540	6,358	4,900	-63.8%	-22.9%
Telecom Damages	45	6,426	3,195	2,602	-59.5%	-18.6%
Nat Gas Damages	38	4,490	2,185	1,521	-66.1%	-30.4%
Electric Damages	24	1,666	635	472	-71.7%	-25.7%
Cable TV Damages	17	847	235	226	-73.3%	-3.8%
Other Damages	7	111	108	79	-28.8%	-26.9%
DAMAGE METRIC						
Damages / 1,000 Tickets:		17.2	9.9	8.7	-49.3%	-11.9%
Telecom Dam / 1,000 Tickets:		8.2	5.0	4.6	-43.3%	-6.9%
Nat Gas Dam / 1,000 Tickets:		5.7	3.4	2.7	-52.6%	-20.4%
Electric Dam / 1,000 Tickets:		2.1	1.0	0.8	-60.3%	-15.0%
Cable TV Dam / 1,000 Tickets:		1.1	0.4	0.4	-62.6%	9.9%
Other Dam / 1,000 Tickets:		0.1	0.2	0.1	-0.4%	-16.4%

Kentucky 811

Know what's below.
Call before you dig.

County	Reported Tickets	Reported Damages	Area Reporting Grade	Public Awareness Grade	Damage Prevention Grade	Composite Grade
El Paso	73,756	648	A+	C	A	B+
Boulder	30,287	166	C+	C	A+	B
Weld	46,671	294	C+	C+	A	B
Rio Blanco	3,312	12	D	A+	B-	B
Teller	6,960	36	D-	A	B	B-
Garfield	11,325	134	B+	C+	B	B-
Las Animas	5,620	43	D+	A-	B-	B-
Broomfield	8,189	68	C+	B+	C+	B-
Douglas	39,386	300	C+	C+	B+	B-
Arapahoe	55,683	503	B+	C	B	B-
Larimer	38,516	251	C-	C	A-	C+
Adams	35,378	235	B	C-	B+	C+
La Plata	15,112	76	D-	B+	B	C+
Jefferson	41,747	330	B+	C-	B	C+
Denver	41,038	325	C+	C-	B+	C+
Summit	6,363	156	C+	B	C-	C+
Montezuma	2,784	70	B	C	C	C
Yuma	2,937	1	F	A	C	C
Grand	3,709	53	D	B	C	C
Chaffee	2,112	15	C-	C	C+	C
Mesa	18,601	322	C-	C	C+	C
Eagle	5,424	66	C+	C-	C+	C
Clear Creek	1,000	0	D	B	C	C

County	Reported Tickets	Reported Damages	Area Reporting Grade	Public Awareness Grade	Damage Prevention Grade	Composite Grade
Routt	3,935	92	D	C	D+	D+
Logan	2,071	6	F	C	C+	D+
Montrose	5,105	44	F	C	C+	D+
Washington	607	0	F-	B-	C-	D+
Phillips	494	1	F	C+	C-	D
Morgan	3,059	30	F	C	C	D
Custer	629	0	F-	C+	C-	D
Archuleta	1,950	0	F-	C	C	D
Prowers	1,097	0	F-	C	C	D
Fremont	3,685	37	D-	D	C+	D
Baca	523	0	F-	C+	D+	D
Huerfano	813	4	F	D+	C	D
Moffat	1,357	28	D-	D	C	D
Bent	453	5	D+	D+	D	D
Cheyenne	284	0	F-	B	D	D
Otero	1,188	0	F-	D+	C	D
Sedgwick	275	0	F-	B-	D	D
Park	1,604	25	D-	D-	C	D
Rio Grande	894	5	D-	D-	C	D
Dolores	303	8	D-	B	F	D
Alamosa	1,141	27	C-	D	D-	D-
Jackson	143	0	F-	D	D+	D-
Hinsdale	144	0	F	C	D	D

Colorado County Damage Prevention Report Cards - 2008

2008 Colorado Damage Prevention Report Card

Damage Prevention Report Cards are evaluated and published annually by the Utility Notification Center of Colorado (UNCC)

Reporting Year: 2008
County: Denver

The Colorado Damage Prevention Report Card® provides industry stakeholders in each county with current One-Call ticketing, facility damage and demographic information. The information is designed to provide accurate knowledge of damage prevention conditions and programs in the county and to help facilitate improvement in the public awareness and damage prevention effort. Accurate and timely information can lead to effective public awareness and damage prevention programs.

1) Public Awareness Metric	C-
2) Damage Prevention Metric	B+
3) Area Reporting Metric	C+
4) Stakeholder Participation Metric	Not Avail. 2008
COUNTY COMPOSITE GRADE:	C+

Report Card Metrics

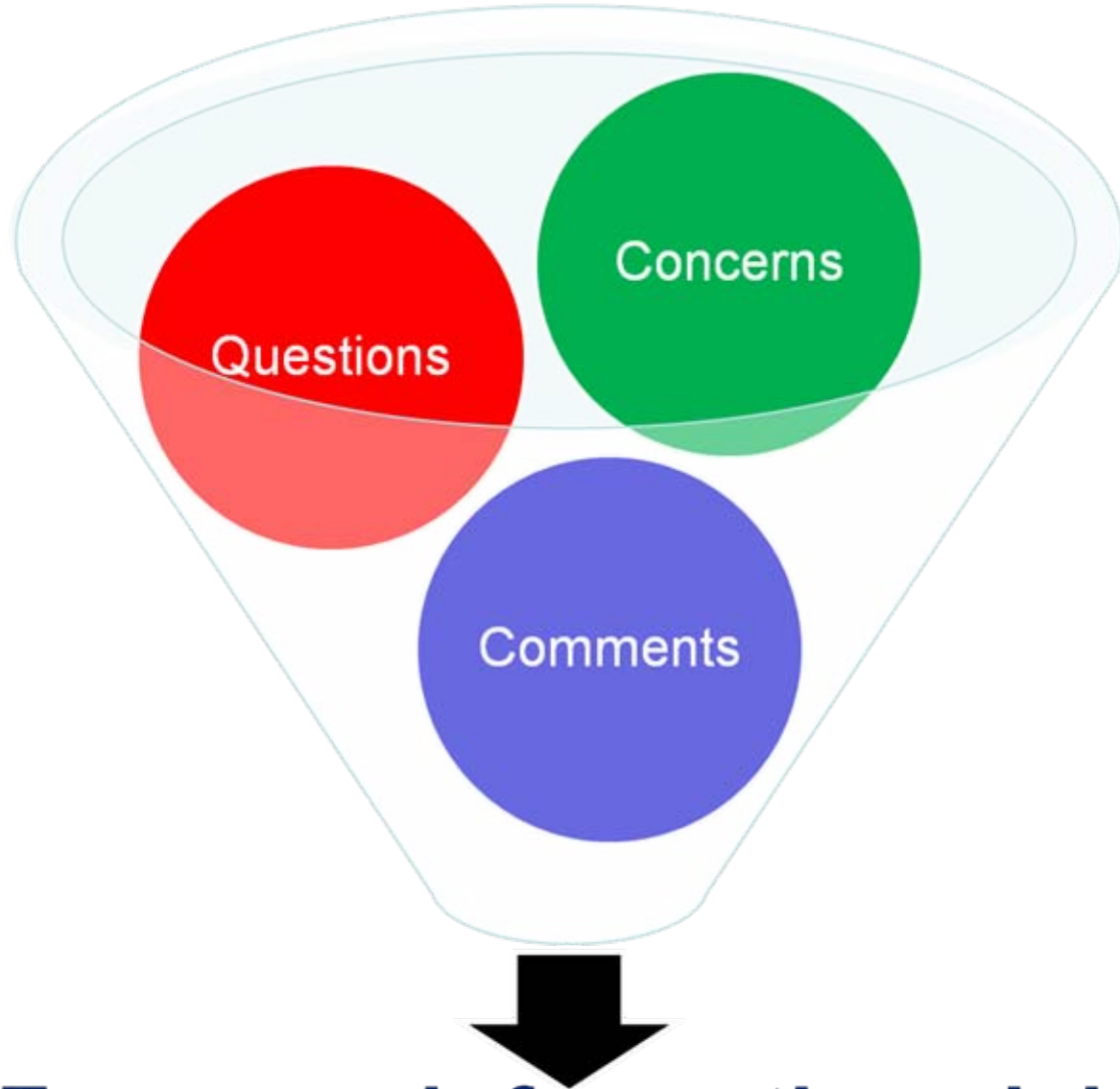
Demographics	County Value	Share of State	State Value						
Population	606,647	12.10%	5,013,015						
Housing Permits	3,180	16.74%	18,998						
Pop Density	3,889	80.75	48						
Net Migration	4,125	8.28%	49,843						
One-Call Data	Reported/County	Share of State	Reported/State	Risk Weight	Predicted County	Reported Ratio Damage / 1,000Ticket	Predicted Ratio Damage / 1,000Ticket	Reported Ratio - Predicted Ratio	State Rank Best / Worst/64
Incoming Tickets	41,036	7.25%	563,041		53,737				
Facility Damages	325	6.62%	4,900		383	7.9	7.1	0.8	
Telephone	80	3.31%	2,503	20%	211	2.1	3.9	-1.8	1
Neutral Gas	171	11.24%	1,521	30%	106	4.2	2.0	2.2	17
Electric	40	3.53%	472	30%	47	1.1	0.9	0.2	5
Cable TV	23	10.18%	226	20%	20	0.6	0.4	0.2	11
Water	None Reported	0.00%	63		No Prediction	None Reported	No Prediction	No Prediction	No Prediction
Sanitary	None Reported	0.00%	8		No Prediction	None Reported	No Prediction	No Prediction	No Prediction
Fireline	None Reported	0.00%	1		No Prediction	None Reported	No Prediction	No Prediction	No Prediction
Other	None Reported	0.00%	10		No Prediction	None Reported	No Prediction	No Prediction	No Prediction

Four Measures of Damage Prevention	Scale Norms of Metric					County Metric	County Rank Best / Worst/64	County Score / Weight
	Worst	Cat-1	Med	Cat-3	Best			
1) Public Awareness Metric								
Incoming Tickets Reported vs Tickets Predicted <small>Prediction based upon (Population, Permits, Density)</small>	0.46	0.70	0.94	1.20	2.00	0.78	48	2.30
2) Composite Damage Prevention Metric								
Composite Score of Reported vs Mean, Predicted vs Mean, and Reported-Predicted Difference	98.05	98.35	100.15	101.82	104.42	98.70	7	3.20
3) Area Damage Reporting Metric								
Area Damage Reporting - Unique Facility Types <small># Counties with Reported Damages in State</small>	1	1	1	1	0	2.75	7	2.75
<small>Risk Weighting Factor: SUM(FacilityType*HWF)/3</small>	0.20	0.20	0.20	0.20	1.20	0.20		20%

4) Stakeholder Participation Metric	Not Available 2008		
Stakeholder Damage Prevention Activities			0%
COUNTY COMPOSITE DAMAGE PREVENTION SCORE:	95	2.71	100%

The Colorado Damage Prevention Report Card® assigns a letter grade to each county relative to all 64 counties in the State. For 2008, the grading system uses three of the four damage prevention categories and the final grade is a weighted composite of these three categories. (Cat-1, 40%, Cat-2, 40%, Cat-3, 20%). Categories 1 and 2 are based upon a quartile grading system. Counties in the middle 50% of the 64 counties are assigned a grade of "C". Counties in the upper 25% are assigned an "A" or "B". Counties in the lower 25% are assigned a "D" or "F". The Category 3 grading is based upon which facility types had damages reported in the county and each facility type is given a weighting factor based upon its potential risk to the public.

NOTE: "None Reported" could mean damages occurred but were not submitted into DIRT by the facility owner, or that no damages occurred within County.
Data Sources: Incoming Ticket data obtained from Norfield One-Call Ticketing System at UNCC - requested by accountants
Facility Damage data obtained from Virtual Private DIRT - reported by facility owner/operators
Population, Housing Permits, Migration and Density data obtained from the US Census Bureau



**For more information visit:
www.kentucky811.org**