

# Perspectives on Facility Damage - 2020

(Volume XX, Version -1c-)



An annual report published by Colorado 811  
reviewing underground facility damages  
resulting from excavation activity

- For Calendar Year 2020 -

Covering underground facility damages for years 2001-2020

Includes the 2020 County Damage Report Cards  
and the 2020 Territory Damage Report Cards

FINAL Release: December 01, 2020



*A special thanks to Mr. Barry Miller with **Foresight Advantage** for preparing this report since 2001.*

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## *INTRODUCTION FROM COLORADO 811 DIRECTOR OF DAMAGE PREVENTION*

The intent of this annual state-wide report on underground facility damages for the State of Colorado is to inform stakeholders of data trends in their specific geographic areas and industries. Additionally, the County Damage Prevention Report Cards represent a statewide snapshot on how counties are doing in comparison to one-another based on multiple categories. I encourage you to analyze the data provided and to seek educational opportunities and resources to help mitigate the potential of underground facility damages in your respective counties.

Colorado 811 implemented a Damage Prevention Department in 2015 and now has five Damage Prevention Liaisons serving the state. The DP Liaisons provide three important functions:

- 1) They serve as a conduit between excavators and facility owners.
- 2) They provide educational opportunities to all stakeholders and support industry related functions.
- 3) They engage in training and promotional activities to improve public awareness of the 811 service and the ongoing need for improvements in damage prevention and safety.

Please engage these liaisons if you need training or clarification pertaining to the Colorado One-Call Law, procedures related to Colorado 811 operations, or recommended CGA and Colorado Best Practices.

For more information on the Colorado 811 service, please visit the Colorado811 web site listed below.

For more information on Colorado's Damage Prevention Program, visit <http://colorado811.org/damage-prevention/>.

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Golden, CO 80403

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## ABOUT THIS REPORT

Underground facility owners and operators in Colorado have submitted their damage data for analysis in this report as required by C.R.S. 9-1.5-103(7)(b). Colorado 811 has collected and summarized the data and published this report to its membership and to the Colorado Public Utilities Commission as required by C.R.S. 9-1.5-103(7)(b)(c)(d) & 9-1.5-105(2.6)(a)(I) and (2.6)(b), as well as the Colorado Underground Damage Prevention Safety Commission.

The intended audience for this report includes the following stakeholder groups: underground facility owners and operators, the underground facility location and marking industry, the excavation and construction industry, related industry associations, the One Call industry, the Colorado Underground Damage Prevention Safety Commission, related regulatory and compliance agencies, appropriate local, county and state governments, and the interested public. Colorado 811 anticipates that these stakeholder groups will utilize this information to create positive transformation within the utility safety and damage prevention community and specifically within underground facility damage prevention programs and efforts. Colorado 811 is not responsible for any action taken based upon the data or the interpretation of any information presented within this report.

Additional information is available in past Colorado Damage Data Reports (2001 to 2019). Please visit the Colorado 811 web site at [www.Colorado811.org](http://www.Colorado811.org) and navigate to the Resources Tab, then click Education, click Annual Reports, and then navigate down to Damage Reports.

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## IMPORTANT REPORTING INFORMATION

Colorado facility owners and operators are required by state law to submit their facility damage data to Colorado 811 via the *Damage Information Reporting Tool* (DIRT) within 90 days of service restoration for each underground facility damage event. Other damage prevention stakeholders, including locators and excavators, are encouraged to submit their damages to DIRT to help facilitate analysis of the data. Excavators are also required by state law to immediately report (call 811 any hour of the day) all facility damages directly to Colorado 811.

Please visit: [www.cga-DIRT.com](http://www.cga-DIRT.com) to register, log into, and submit your Colorado underground facility damages to DIRT in 2022. The deadline for 2021 data submission is March 31, 2022 but may be extended due to the COVID-19 pandemic.

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*The methods and formulas used to determine the damage prevention metrics, regressions, scores, and grades utilize proprietary techniques and intellectual property which were developed by and are owned by **Foresight Advantage**. The methods may not be used without the expressed written consent of **Foresight Advantage**, which grants Colorado 811 the right to publish the analysis and results as presented in this report. No party has permission to reveal or publish the techniques, algorithms or intellectual property used for this report.*

# Perspectives on Facility Damage - 2020

## EXECUTIVE SUMMARY

Twenty twenty marks the 20<sup>th</sup> year for publication of the Colorado underground facility damage report, “*Perspectives on Facility Damage-2020*”. This work involves detailed analysis of the state’s damage information submitted by facility owners/operators (referred to hereafter as facility owners) to the Common Ground Alliance’s (CGA) Damage Information Reporting Tool (DIRT). The Utility Notification Center of Colorado (Colorado 811 or CO811) is indebted to its facility-owner members. They provide this valuable information used to assess the state’s progress in public awareness and damage prevention efforts. By analyzing and monitoring the data, trending the outcomes, and publishing this report each year, industry stakeholders can stay informed of the state-wide results. They can take appropriate action to positively impact damage prevention within their organization and the state.

Since 2001, a limited group of between 43 to 84 facility owners has submitted information regarding their underground facility damages to DIRT. The damages submitted by this small group of facility owners correspond to over 88% of the One Call notifications<sup>1</sup> requested by the state’s excavating community (note that facility owners can also be excavators). The current DIRT damage dataset spans 20 years; contains detailed information on 118,818 separate damages and encompasses all facility types in nearly every county in Colorado.

### **The number of damages submitted to DIRT in 2020 (3,219) decreased by 13.7% (511 fewer) from 2019 (3,730).**

This decrease in DIRT facility damage reporting occurred even though incoming notification requests from excavators increased by 9.9% from 2019 to 2020. Construction activity in the state, as measured by housing permits, also increased by 4.8%. The state’s population grew a moderate 0.8%; the slowest in over 30 years. See Table-G – State Demographic and One Call Data – 2003-2020 on page-19 for additional supporting data.

Three of the nine facility types had an increase in the number of reported damages submitted to DIRT by facility owners. The telecommunications facility type had the largest increase in damages with 138 more than in 2019, a 19.9% increase. Next was the water facility type with 24 more, a 21.2% increase. This was followed by the hazardous liquid pipeline facility type with ten more damages, a 33.3% increase. The natural gas facility type had the largest decrease with 391 fewer damages than in 2019, a 21.9% decrease. Next was the electric facility type with 215 fewer damages, a 36.0% decrease.

It is unclear why there was a sizable decrease (511 stated above) in total damages submitted to DIRT. Continued public awareness and education by industry stakeholders may have played a role. Also, the change in the One Call Law enacted in 2018; which mandated that all Tier-II facility owners convert to a Tier-I status and receive electronic notifications; likely played a significant role in reducing damages in 2020. Before 2019, Tier-II facility owners were not electronically notified by the contact center of the excavator locate request. Instead, excavators were required to directly notify the Tier-II facility owners listed on the notification ticket. It is believed that many excavators were not adequately contacting Tier-II facility owners to notify them of their intent to excavator near their underground facility.

Of special note is that 84 facility owners submitted damage reports in 2020. The prior high level of reporting was 74 facility owners in 2012 and 2014. Twenty-four of these 84 facility owners who submitted damage reports in 2020 did not submit damage reports in 2019. The 48 damages these 24 facility owners submitted represent 1.5% of the 3,219 reported damages in 2020. See the General Facility Damage Information on page-8 and Facility Type on page-8 for more detailed information.

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<sup>1</sup> A “notification” is often referred to as an incoming notification request. Excavators request an underground facility locate notification by either calling 811 or by accessing one of several internet web ticking applications. Additionally, a “transmission” is often referred to as an outgoing transmission. The contact center processes a notification and electronically transmits the information on the notification to one or more facility owners that are members of Colorado 811.

## Perspectives on Facility Damage - 2020

To add yet another perspective to the annual change in damages; the Colorado 811 damage notifications that were called into the Colorado 811 contact center by excavators (versus reported by facility owners to DIRT) at the time of an actual or suspected damage increased by 13.8% (1,506 more) in 2020<sup>2</sup>. It is important to note that the contact center defines a “damage notification” called-in by an excavator differently than how a damage is defined in DIRT. Many suspected damages called-in by excavators are near misses, abandoned facility, exposed facility, improperly supported facilities, etc. that facility owners do not submit to DIRT as damaged facility. Additionally, when the damages are submitted to DIRT by Colorado 811 each Spring for the excavators, a damage to an unknown facility type is submitted to DIRT as multiple damages - one for each facility type that was notified of the damage. This causes significant overcounting of damages for Colorado by CGA.

Excavators in Colorado are cautious with suspected damages. They must notify the contact center and report a damage to provide the facility owner with every opportunity to inspect and assess the potential damage. The damage count submitted to DIRT later by facility owners after a thorough site investigation is usually one-half to one-third the damage count called-in by excavators to the contact center.

As many might suspect, most of the damages occurred in just 16 of the largest population counties in the state, primarily the Front Range counties. 88.4% of incoming notifications and 82.7% of DIRT damages occurred in these 16 counties with an average Damage Metric of 3.2 DIRT damages/1,000 notifications. Conversely, only 0.9% of notifications and 2.5% of damages occurred in the 16 smallest population counties with an average Damage Metric of 8.5 DIRT damages/1,000 notifications. This leaves 10.7% of notifications and 14.9% of damages that occurred in the middle 32 counties with an average Damage Metric of 4.0 DIRT damages/1,000 notifications. This relationship suggests that any lack of damage data reporting for the 48 smaller population counties does not materially impact the analysis and usefulness of the damage data submitted to DIRT by facility owners for Colorado. Notice that the Average Damage Metric decreased as the population increased for each of the three groupings of counties. See Table-H – %Share of Data and Cumulative %Share of Data – by County – 2020 on page-20 for additional supporting data.

While the large decrease (511 fewer) in DIRT damages in 2020 demonstrates a positive impact for damage prevention in the state, taking a step back in time adds a refreshing perspective to the overall positive impact achieved by dedicated Colorado stakeholders and their damage prevention efforts. From 2003 through 2009 the number of notification requests from excavators decreased 40.3% as the local and national economy contracted. The number of notification requests then increased 123.6% from 2009 through 2020 as the economy expanded out of the Great Recession - above the peak level that occurred in 2002. During these 18 years (2003-2020), all-facility DIRT damages submitted by facility owners steadily decreased by 76.4% from its 2003 peak of 13,540 damages. The sub-set of natural gas + liquid pipeline damages decreased 68.1% from its peak in 2003. Over the 18 years from 2003 to 2020, Colorado stakeholders reduced the key Damage Metric from 17.2 all-facility DIRT damages/1,000 notifications in 2003 to 3.1 in 2020, a 82.2% decrease. And during the same 18 years, the secondary Damage Metric for natural gas + liquid pipeline facility decreased from 5.7 to 1.4, a 76.1% decrease.

*By these measures, damages for both all-facilities and natural gas + pipeline facilities decreased several times faster than the notifications decreased after 2003 – a time interval that included the Great Recession, negative economic growth, and slowing residential construction activity in Colorado, as well as the recovery from 2009 into 2020.*

When construction and One Call activity began to increase in 2009, DIRT damages did increase but at a slower pace than the notifications increased for the all-facility and natural gas + liquid pipeline groupings. For a more detailed look at the trend in these metrics, see Chart-B – DIRT Damages/1,000 Notifications – by Facility Type – 2003-2020 on page-22 for a concise summary of improvements made in damage prevention in Colorado.

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<sup>2</sup> The count and percent increase in Norfield damage notifications called-in by excavators since 2015 is as follows: 12,439: 13.8% more in 2020, 10,933: 5.6% fewer in 2019, 11,587: 6.9% more in 2018, 10,835: 6.1% more in 2017, 10,212: 5.1% more in 2016, 9,717: 2.6% more in 2015

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## WHAT IS NEW FOR 2019 AND 2020

The 2020 State Damage Report includes three new elements that started in 2019:

- 1) **A unique analysis of the cause of damage for backhoe/trackhoe equipment when professional excavators were performing utility related work.** This section drills deep into the damage data using multi-element analysis to identify the major cause of facility damage by the equipment groups that generate the most damages. See the section titled Special Analysis of Damage Cause for Utility Related Work Performed by Professional Excavators using Deep Digging Excavation Equipment on pages 14 to 17. The analysis results are enlightening for stakeholders interested in improving damage prevention and point to clear opportunities for the industry to improve targeting of 811 awareness and stakeholder training.
- 2) **A new grading metric has been added to the County Damage Prevention Report Cards that provides insight into each county's damage prevention awareness and stakeholder education activity.** While this first two inclusions of this grading metric is primarily the education activity sponsored by Colorado 811 and conducted by its five Damage Prevention Liaisons, future years may include public awareness activity and activity sponsored by other industry stakeholders. By tracking this metric over time, the industry may gain insight as to why some geographic areas perform at a higher level than others. See the section titled Description of the Damage Prevention Activity Metric on page 26.
- 3) **A new set of Territory Report Cards has been added that "rolls-up" the grading metrics for the counties in each of the five Territories** serviced by the Colorado 811 Damage Prevention Liaisons. A map and list of the counties within each territory is located on page 27 in the section titled Territory Report Cards.

## ANALYST'S SUMMARY

In summary, since 2001, the influence of legislatively mandated damage reporting for Colorado has had both an absolute and relative impact in improving public awareness and reducing damages for all facility types. The decreasing trend in the number and severity of DIRT damages in Colorado from 2003 through 2010 is evidence that shared responsibility and cooperation have made a difference. But the increasing trend in damages through 2019 from the low level in 2010 gives rise to concerns that still more public awareness and stakeholder education and training are needed for further improvements. Specifically, liquid pipeline facility damages steadily increased from an average of two damages per year from 2001 through 2010 to high levels of 28 in 2016, 30 in 2019, and 40 in 2020. Natural gas facility damages increased after 2010 and peaked in 2018 at 1,928, but then decreased by 535 damages to 1,393 through 2020. The above information is listed in Table-G – State Demographic and One Call Data – 2003-2020 on page-19. The more recent reduction in all-facility damages in 2016 and 2017 (to approximately 2,500 damages) was encouraging. Still, the 48% increase in DIRT damages in 2018, which held in 2019, is concerning, particularly for the regulated liquid pipeline facilities.

In recent years, inconsistent damage reporting has been a concern, specifically, with the Cable TV and telecommunications industries. The explanation for this more recent (2018-2019) increase in damages is complex, but likely centers around two issues; 1) poor locate performance (no locates and bad locates) caused by staffing and training issues in the locate industry; and 2) ongoing insufficient excavation practices that could be improved with better training and company auditing.

Colorado was the first state legislatively to mandate the annual collection and submission of comprehensive facility damage information by all underground facility owners to the state notification center. This distinction provides Colorado facility owners, the Colorado Public Utilities Commission, Colorado 811 and the *Colorado Underground*

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*Damage Prevention Safety Commission*<sup>3</sup> the ability to better understand the causes of facility damage and to implement public awareness and industry/stakeholder education and training activities where they can have the greatest impact to reducing damages and increasing public safety. Improved targeting of these activities based upon comprehensive damage data is needed to:

- 1) Advance the legally mandated activity of One Call notification by homeowners and professional excavators.
- 2) Encourage complete and accurate facility marking.
- 3) Promote safer excavation practices.
- 4) Improve public safety.
- 5) Ultimately reduce underground facility damages.

The cooperation of all industry stakeholders to facilitate the success of these actions ensures the delivery of vital utility services and creates a safer Colorado.

Colorado's industry stakeholders can take pride in their role in establishing damage prevention standards, practices, programs, and achieving bottom-line results. The public and all involved in the damage prevention industry are encouraged to maintain their efforts and to continue improving their outcomes in future years. Colorado 811 is always open to feedback and suggestions to improve the usefulness of the report.

A set of 2018 Recommendations with status updates for 2019 and 2020 can be found on page-7.

## ***Foresight Advantage***

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<sup>3</sup> The Colorado Underground Damage Prevention Safety Commission (UDPSC) was legislatively enacted in 2018 through an industry-wide collaborative effort and began operations in January 2019. The UDPSC is empowered with overseeing complaints from stakeholders related to the One Call notification process, underground facility locating practices, safe excavating practices and underground facility damages while enhancing public safety in Colorado. The UDPSC has authority to levy fines to enforce the One Call Law.

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## *THE DIFFERENCE BETWEEN THE COLORADO 811 AND THE NATIONAL CGA DIRT DATA*

CGA and Colorado 811 have encouraged all stakeholder types to submit facility damage information to DIRT. This means there may be multiple submissions on the same damage incident by a facility owner, a locator, an excavator, a government agency, an industry association, a loss recovery firm, and an insurance company. CGA's original intent was to analyze this information as separate data sets to provide different views on the same damage incident. While Colorado 811 submits damage incidents called-in by excavators to DIRT; many of these incidents are not classified as damaged facility by facility owners within their submission to DIRT. Colorado 811 also submits multiple damage incidents to DIRT for excavators when the facility type was reported as unknown. Unfortunately, CGA counts all damages submitted by all stakeholders in Colorado's damage total. This has caused significant over-reporting of DIRT damages for Colorado in the CGA National Damage Report for 2013 through the most recent CGA 2020 report in published in 2021. A special section was included in the *CO811 Damage Report for 2016 Damages* to clarify the process Colorado uses to identify a valid set of damage incidents in Colorado. For more detailed information on this special analysis, see the 2016 Colorado State Damage Report - *SPECIAL ANALYSIS of Damage Data Stakeholder Sources-2016*, page 10.

## *COLORADO DAMAGE PREVENTION REPORT CARDS*

This report includes a 2020 County Damage Prevention Report Card for each of the 64 counties in Colorado as well as a recently introduced Territory Report Card for the five Colorado 811 damage prevention liaison territories. 2020 marks the 14th consecutive year (since 2007) in which Colorado 811 has published this valuable industry resource. The report cards are designed to provide interested stakeholders a detailed understanding of underground facility damage reporting compliance by local stakeholders as well as the effectiveness of public awareness and damage prevention efforts in the counties and the territories. Based upon the grading results each year, Colorado 811 identifies and acknowledges those stakeholders who are performing effectively at the highest levels, while providing guidance and assistance to those stakeholders needing improvement. Since each county is evaluated and graded relative to all other counties in the state, the aim is to raise the reporting compliance, public awareness, and damage prevention levels of all counties over time through continued innovation and sharing of effective damage prevention practices. **Information is presented in this report which demonstrates Colorado industry stakeholders have been effective at improving public awareness and decreasing the damage metric (DIRT damages/1,000 notifications) since 2003.**

The 5 Territory Damage Prevention Report Cards are listed in APPENDIX C–5 Colorado Territory damage prevention report cards – 2020 starting on page-33.

The 64 County Damage Prevention Report Cards are listed in APPENDIX D–64 Colorado County damage prevention report cards – 2020 starting on page-38.

If you are unfamiliar with the grading process used in Colorado, please see APPENDIX B–Overview of damage prevention grading process starting on page-23.

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## HANDLING OF DIRT DAMAGE DATA STAKEHOLDER SOURCES – 2020

The Colorado One Call Law mandates that all facility owners/operators submit specific information describing the damage that occurred to their underground facilities each year. This information must be submitted to DIRT within 90 days of the restoration of the facility service for each damage incident, but no later than March 31 of the following year, when the DIRT damage data submission is closed by CGA. Both CGA and Colorado 811 have encouraged other stakeholders besides facility owners to submit damage incidents to DIRT, creating data duplication and sometimes confusing and conflicting information. Table-2 below describes how this data from each submitting source was handled in the 2020 analysis.

The annual Colorado State Damage Report incorporates damages submitted only by facility owners as specified by the Colorado One Call Law. This requirement was followed in all years except 2015<sup>4</sup>. For 2020 24,889 damage incidents were submitted to DIRT by Colorado stakeholders, but only the 3,219 damages submitted by facility owners were incorporated into the 2020 Colorado State Damage Report, as required by the Colorado One Call Law.

**Table-1 – Source of 2020 DIRT Underground Facility Damage Data Set – by Facility Type Damaged**

The CO811 Excavator data set (potential facility damage incidents called into Colorado 811 by excavators as damage notifications) includes many damage incidents that may not be facility damages. This is partially

2020 DIRT Data Source	Used in CO811 2020 damage Report	TOTAL	Natural Gas	Telecom	Cable TV	Electric	Water	Liquid Pipeline	Sewer	Steam	Other
DIRT (Facility Owner Reported)	Used	3,219	1,393	832	417	383	137	40	9	0	8
CO811 (Excavator Reported)	Not Used	16,159	1,974	6,175	3,357	2,719	697	12	286	25	914
USIC (Locator Reported)	Not Used	4,982	451	3,200	163	486	137	0	0	0	545
Gols Shovel (Association)	Not Used	528	89	213	51	64	44	1	31	0	35
American Petroleum Inst (Association)	Not Used	1	0	1	0	0	0	0	0	0	0
<b>TOTALS</b>		<b>24,889</b>	<b>3,907</b>	<b>10,421</b>	<b>3,988</b>	<b>3,652</b>	<b>1,015</b>	<b>53</b>	<b>326</b>	<b>25</b>	<b>1,502</b>

explained by the cautious reporting by excavators of near-miss, abandoned facility, exposed facility, unsupported facility and other incidents that the facility owners may not categorize as actual facility damage and so may not submit them to DIRT. The other data sets from USIC (a large locating service), the Gold Shovel Association and the American Petroleum Institute are incomplete data sets as they encompass only select facility owners and excavation work in limited parts of the state. Most of these data are duplicates of the DIRT data set which facility owners submit. These other sources of damage data do not consistently report their data to DIRT each year and therefore they do not provide a reliable data source for tracking and monitoring the progress in damage prevention.

Of interest in Table-1 are the differences between the DIRT-Facility Owner and CO811-Excavator data sets. Note that the facility owners submitted 29% fewer natural gas and 333% more liquid pipeline damages to DIRT than the excavators called<sup>5</sup> into the contact center. This is likely due to the heavy regulation in the industry by PHMSA and the Colorado Public Utilities Commission. Also note that the excavators called-in considerably more Cable TV, telecommunications, electric, water and sewer damages than facility owners submitted to DIRT. This may suggest under-reporting by facility owners in these other industries. It was also recently discovered that Colorado 811 was submitting multiple damage reports to DIRT when the facility type on a damage was unknown. Colorado 811 staff is researching the PHMSA distribution and transmission reporting database to determine if Colorado facility owners are not reporting damages to DIRT.

Note that CGA used and reported all 24,889 of these stakeholder records in the Colorado damage total for their 2020 National DIRT analysis. Many of these are duplicate damages submitted by multiple stakeholders or were in fact not actual damages according to internal facility-owner operating and reporting guidelines. This resulted in CGA significantly overstating the Colorado damages (since 2013) in their 2020 National DIRT Report.

**This filtering process conforms with the Colorado One Call Law for the Annual State Damage Report and resulted in 3,219 DIRT facility damage records that were analyzed in the 2020 Colorado State Damage Report.**

<sup>4</sup> In 2015 only seven CATV damages were submitted to DIRT by CATV industry facility owners. The 2015 Colorado State Damage Report incorporated the CATV damages submitted by a 2<sup>nd</sup>-party stakeholder (locating contractor).

<sup>5</sup> Excavators are required to request facility damage notifications, or damage tickets, via a phone call to the Colorado 811 24x7x365. Facility damage and emergency notifications cannot be submitted via on-line internet ticketing applications.

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## *2018 RECOMMENDATIONS WITH 2019 AND 2020 STATUS UPDATES*

- 1) All facility owner members should be encouraged to provide accurate and complete damage information to DIRT, including the One Call Notification Ticket Number (for cross referencing with original notification).  
**STATUS:** There has been some improvement in the quality and completeness of data in 2019 and 2020. In 2019, 56% of damage records appeared to have a valid One Call ticket number submitted with the data. In 2020, 64% of damage records appeared to have a valid One Call ticket number submitted with the data. This is an improvement compared to previous years.
- 2) Facility owner members who intend to submit data to DIRT should be trained on the proper use of the DIRT data options to ensure they are consistently applying the appropriate choices to the DIRT data elements. Inconsistency in how the data is reported makes interpretation and analysis less reliable.  
**STATUS:** No additional training was provided by Colorado 811 or CGA staff in 2019 or 2020.
- 3) Colorado 811 should discontinue submitting Norfield (the state's Electronic Ticket Entry and Transmission System) damage notifications to DIRT. The data is called in during a critical situation in the field and the incident is not investigated by the excavator prior to reporting the incident, nor by Colorado 811 after the incident is reported. The damage data are frequently incomplete, incorrect, never verified, and often not an actual damage. Multiple damage reports are also submitted to DIRT by Colorado 811 when the facility type is not known. The data are also improperly utilized by CGA in the national damage reports.  
**STATUS:** 2019 Norfield damage data was again submitted to DIRT in the spring of 2020 with several months of data missing according to Colorado 811. The inability to consistently upload 100% of the Norfield damage data to DIRT is one important reason why this recommendation was made. No further action was taken in 2020.

### **2018 SUGGESTIONS**

- 4) All facility owner members could be required to submit an affidavit each year (by March 30<sup>th</sup> of the next year) confirming the accurate number of damages they experienced. This includes those facility owner members with no damages.  
**STATUS:** No action was taken by Colorado 811 in 2019 or 2020. 192 facility owners did submit a "Data Complete" record to DIRT, well short of the 2,325 Colorado 811 member facility owners.
- 5) All facility owner members could submit a report of the name of every excavation company that damaged their facility and identify their action plan for the excavator (training, certification, etc.), along with a periodic status on the action plan. This report could be verified by Colorado 811, and a summary analysis incorporated in the Annual State Damage Report and submitted to the UDPSC.  
**STATUS:** No action taken by Colorado 811 in 2019 or 2020. Colorado 811 could follow up with these excavators and offer education and training services.
- 6) Colorado 811 DP Liaisons could develop an action plan for a select group of targeted counties and excavators based upon the latest State Damage Report, along with a regular status of the action plan. The action plans could be managed and monitored by Colorado 811 for local improvements in damage prevention and submitted to the UDPSC.  
**STATUS:** The Colorado 811 Damage Prevention Department is developing an excavator survey and follow-up program in 2020. In 2021, Colorado 811 staff began working with a few facility owners to provide 811 education services to excavators who had damaged their facility.

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## KEY DATA FINDINGS - 2020

### General facility damage information

- 3,219 DIRT damages submitted in 2020, a 13.7% decrease from 3,730 damages in 2019 (Charts 1&2)
- The DIRT damage trend has been inconsistent since 2015 (Charts 1&2), note the large increases in 2015 and 2018 and the large decrease in 2016.
- Excavators requested a notification on 67.7% (a slightly smaller share than 2019) and did not request a notification on 25.0% (larger than 2019) of the damages where a cause of damage option was selected (Chart-3, see Damage Cause Type on page-11)

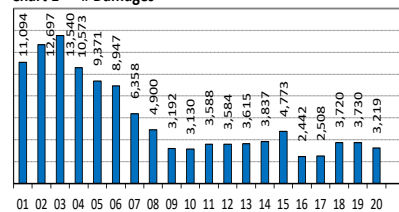
The remaining 7.3% of the damages in 2020 were submitted as insufficient notification made.

- The share of damages submitted with an insufficient notification request has been erratic, ranging from a low of 0.3% to a high of 7.5% in 2016 (data not shown)
- Facility owners did not specify a cause of damage on 28.1% of damages in 2020 compared to 18.9% in 2019. (see Chart-A – % Data Unknown or Not Collected, page-12).
- DIRT damages were submitted by 84 One Call members (facility owners) in 60 of 64 counties and in 261 cities

There were 2,263 Tier-I One Call member codes in 2020 with 770 Colorado stakeholders registered with DIRT. This compares to 1,847 Tier-I and 573 Tier-II member codes at the start of 2019 prior to the full enactment of the change in the 2018 One Call Law.

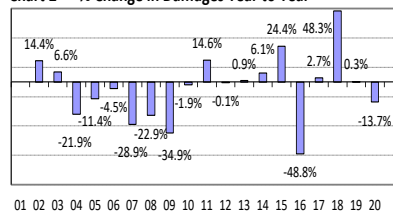
Colorado Facility Damages 2001-2020

Chart 1 # Damages



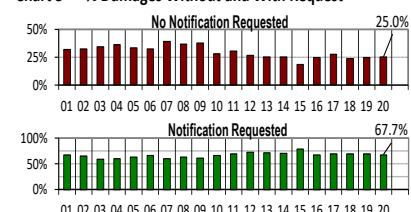
Colorado Facility Damages 2001-2020

Chart 2 % Change in Damages Year to Year



Colorado Facility Damages 2001-2020

Chart 3 % Damages Without and With Request

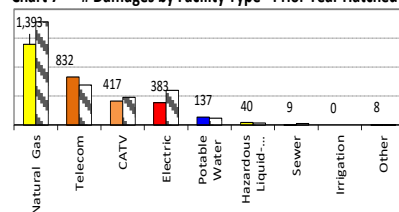


### Facility type

- Natural Gas damages =1,393 (43.3% of DIRT total), a 21.9% decrease from 2019 (Charts 7&8)
- Telecommunication damages =832 (25.8%), a 19.9% increase from 2019 (Charts 7&8)
- CATV damages =417 (13.0%), a 12.8% decrease from 2019 (Charts 7&8)
- Electric damages =383 (11.9%), a 36.0% decrease from 2019 (Charts 7&8)
- The trend of all damages generally decreased from 2003 through 2010. For some facility types, the trend moderately increased after 2010 (Chart-9). Telecom and especially CATV reporting has been erratic
- 14 counties (21.9% of 64 counties) had at least 50 damages, and combined, these counties had 2,662 damages (82.7% of total) (see Table-H – %Share of Data and Cumulative %Share of Data – by County – 2020, page-20)

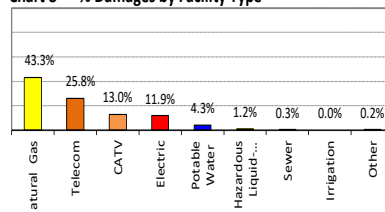
Colorado Facility Damages 2020 (All data)

Chart 7 # Damages by Facility Type - Prior Year Hatched



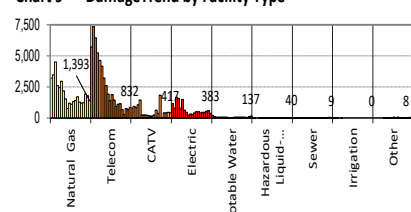
Colorado Facility Damages 2020 (exclude Unknown)

Chart 8 % Damages by Facility Type



Colorado Facility Damages 2001-2020 (exclude Unknown)

Chart 9 DamageTrend by Facility Type



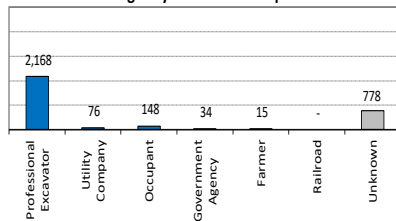
# Perspectives on Facility Damage - 2020

## Excavator type (grouped)

- Professional Excavator (contractor)=2,168 (88.8% of DIRT total) damages (Charts 10&11)
- Professional Excavators' contribution to damages ranged between 78% to 94% over the years (Chart-12)
- Occupant damages =148 (6.1%), a 38.3% increase from 2019 (Charts 10&11)
- Utility Company damages =76 (3.1%), a 38.2% increase from 2019 (Charts 10&11)
- Facility owners did not identify the excavator type on 778 (24.2%) damages, a 13.1% decrease from 2019 (Chart 10)
- The quality of data submission decreased significantly after conversion to DIRT in 2006. In 2005, only 2.2% of damages did not have the excavator type identified (data not shown)
- The share of damages submitted for each excavator type has been similar over the years (Chart-12), with a decreasing share of the Utility Company and Occupants in the past few years

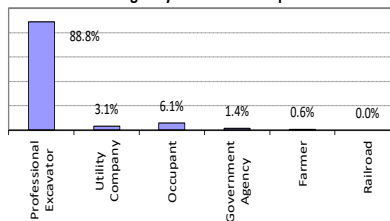
Colorado Facility Damages 2020 (All data)

Chart 10 # Damages by Excavator Group



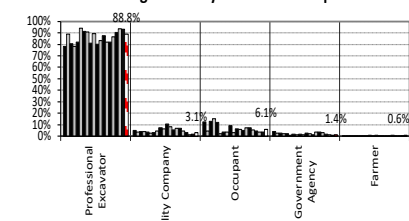
Colorado Facility Damages 2020 (exclude Unknown)

Chart 11 % Damages by Excavator Group



Colorado Facility Damages 2020 (exclude Unknown)

Chart 12 % Damage Trend by Excavator Group

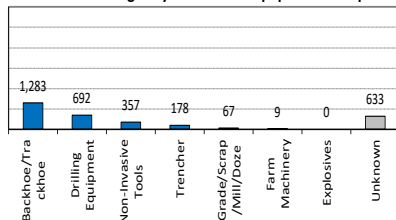


## Excavation Equipment type (grouped)

- Backhoe & Trackhoe damages=1,283 (49.6% of DIRT total), a 23.6% decrease from 2019 (Charts 13&14)
- Drilling (all types) damages=692 (26.8%), a 5.3% increase from 2019 (Charts 13&14)
- Non-Invasive Tools (hand, probe, vacuum) damages=357 (13.8%), a 2.2% decrease from 2019 (Charts 13&14)
- Facility owners did not identify the excavation equipment type on 633 (19.7%) damages, a 14.0% decrease from 2019 (Chart 13)
- The share of damages submitted for each excavation equipment type has changed over the years (Chart-15), with a steady increase in Drilling Equipment and a steady decrease in Trencher related damages since 2007

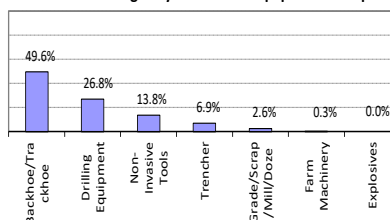
Colorado Facility Damages 2020 (All data)

Chart 13 # Damages by Excavation Equipment Group



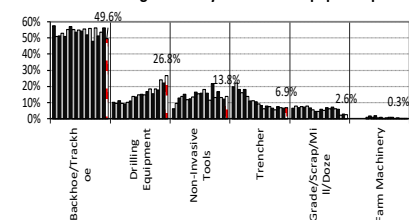
Colorado Facility Damages 2020 (exclude Unknown)

Chart 14 % Damages by Excavation Equipment Group



Colorado Facility Damages 2020 (exclude Unknown)

Chart 15 % Damage Trend by Excavation Equip Group



# Perspectives on Facility Damage - 2020

## Work Performed type (grouped)

NOTE: The charts below reflect groupings of similar, not specific, Work Performed types.

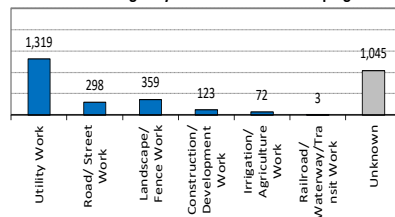
- Utility Work group damages=1,319 (60.7% of DIRT total), an 8.1% decrease from 2019 (Charts 16&17)
- Landscaping/Fencing Work group damages=359 (16.5%), an 11.8% decrease from 2019 (Charts 16&17)
- Road and Street Work group damages=298 (13.7%), a 37.7% decrease from 2019 (Charts 16&17)
- Facility owners did not identify the work performed type on 1,045 (32.5%) damages, a 13.7% decrease from 2019 (Chart 16)
- The quality of data submission worsened in 2018 through 2020. Facility owners did not identify the work performed type on an average of about 500 (13.6%) damages per year from 2007 through 2017 (data not shown), while it increased from 1,045 to 1,261 (average of 33%) from 2018-2020.
- The share of damages submitted for each work performed group has changed over the years (Chart-18)
  - The share of the Utility Work group increased to and remained above 55% each year after 2007
  - The share of the Road/Street Work has increased to 19.5% since 2016
  - The share of the Landscape/Fence Work group has ranged from 15.8% to 29.4% since 2001 and has trended lower since 2010
  - The share of the Construction/Development Work has ranged from 4.0% to 13.3% since 2001 and tends to move around with the growth and contraction of the building industry

The following information reflects specific work performed types (data not shown):

- Communications Work (part of the Utility Work group) contributed the most damages with 274 (12.6%)
- Electric Work contributed the next most damages with 270 (12.4%), followed by Water Work with 242 (11.1%), (both part of the Utility Work group)
- Landscape Work (part of the Landscape/Fence Work group) followed with 211 (9.7%)
- Sewer Work (part of the Utility Work Group) followed with 198 (9.1%)
- Natural Gas and Pipeline Work (part of the Utility Work Group) followed with 194 (8.9%)
- Note again that the Utility Work Group contributes the majority of facility damages

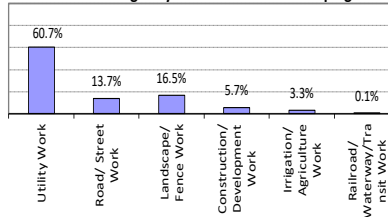
Colorado Facility Damages 2020 (All data)

Chart 16 # Damages by Work Performed Grouping



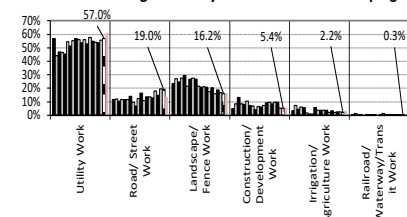
Colorado Facility Damages 2020 (exclude Unknown)

Chart 17 % Damages by Work Performed Grouping



Colorado Facility Damages 2020 (exclude Unknown)

Chart 18 % Damage Trend by Work Performed Grouping



# Perspectives on Facility Damage - 2020

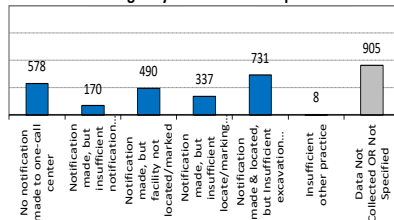
## Damage Cause type (grouped)

NOTE: The charts below reflect groupings of similar, not specific, Damage Cause types.

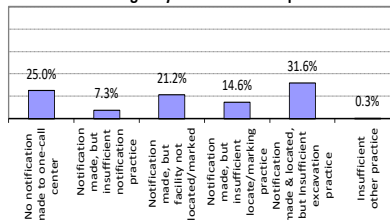
- No Notification made to One Call Center/811, damages=578 (25.0% of DIRT Total) (Charts 19&20)
- Notification Made but Insufficient Notification Practice, damages=170 (7.3%) (Charts 19&20)
- Notification Made but Facility Not Located/Marked, damages=490 (21.2%) (Charts 19&20)
- Notification Made but Insufficient Locate/Marking Practice, damages=337 (14.6%) (Charts 19&20)
- Notification Made but Insufficient Excavation Practice, damages=731 (31.6%) (Charts 19&20)
- Insufficient Other Practice, damages=8 (0.3%) (Charts 19&20)
- Facility owners did not identify the damage cause, damages=905 (28.1% of DIRT total) (Chart 19)
- The share of damages due to each damage cause has shown considerable variance over the years and changed considerably in 2006 and 2007 (Chart-21), likely due to inconsistent data collection and coding procedures and the switch-over to CGA-DIRT in 2006
- The best quality reporting for Damage Cause was in 2011 (5.0% not identified) and 2008 (7.0% not identified), (data not shown)

**COMMENT:** Use of the options Data Not Collected and Root Cause Not Listed does not provide any clue as to the damage cause. The submitter did NOT select Locate Not Requested, so we might assume a locate was in fact requested. But we do not know if the damage cause was due to Insufficient Notification Practices, Insufficient Locate/Marking Practices, or Insufficient Excavation Practices. Facility owners are encouraged to research the damage incident, identify an appropriate damage cause, and properly code the damage cause to facilitate proper analysis of the data.

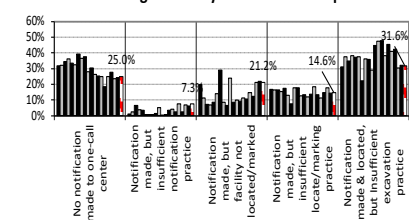
Colorado Facility Damages 2020 (All data)  
Chart 19 # Damages by Root Cause Group



Colorado Facility Damages 2020 (exclude Unknown)  
Chart 20 % Damages by Root Cause Group



Colorado Facility Damages 2020 (exclude Unknown)  
Chart 21 % Damage Trend by Root Cause Group



## Damage Cause Detail - for Damages WITH a Notification Request:

- Of the 170 (7.3%) damages with a notification request but insufficient notification practice:
  - 60=Excavator dug outside area described on ticket
  - 65=Excavator dug prior to valid start date/time
  - 40=Excavator dug after valid ticket expired
  - 05=Excavator provided incorrect notification information
  - 0=Insufficient notification practice
- Of the 490 (21.2%) damages with a notification request but facility not located/marked:
  - 338=Not marked due to locate error
  - 51=No response from operator/contract locator
  - 44=Not marked due to incorrect facility records/maps
  - 30=Unlocatable facility
  - 21=Not marked due to tracer wire issue
  - 6=Not marked due to abandoned facility
  - 0=Facility was not located or marked
- Of the 337 (14.6%) damages with a notification request but insufficient locate/marking practice:
  - 114=Marked inaccurately due to locate error
  - 114=Marks faded, lost, or not maintained
  - 55=Marked inaccurately due to incorrect facility records/maps
  - 27=Site marked but incomplete at damage location

# Perspectives on Facility Damage - 2020

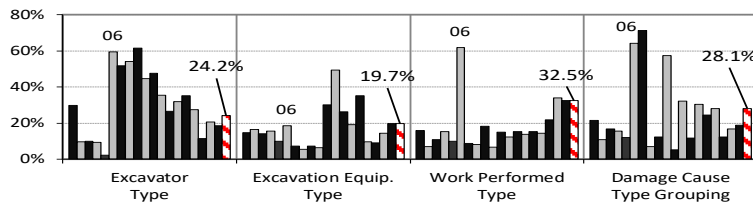
- 19=Marked inaccurately due to tracer wire issue
- 8=Marked inaccurately due to abandoned facility
- Of the 731 (31.6%) damages with a notification request and insufficient excavation practice:
  - 302=Excavator dug prior to verifying marks by test-hole
  - 296=Excavator failed to maintain clearance after verifying marks
  - 90=Improper excavation practice not listed
  - 36=Excavator failed to protect/shore/support facility
  - 7=Improper backfill
  - 0=Failure to use hand tools where required
- Of the 08 (0.3%) damages with a notification request and insufficient other practice:
  - 6=Previous damage
  - 1=Deteriorated facility
  - 1=Colorado 811 Call Center Error
  - 0=Damage cause not listed

## A note about “Data Not Collected/Unknown”

From 2001-2005, the quality of the information submitted for most of the requested data elements was improving. This means that facility owners were researching and providing a valid option for the data element instead of the Unknown/Other or Data Not Collected options. As Chart-A and Table-A located below show, when facility owners began submitting their data to DIRT in 2006, the quality of the information degraded significantly as measured by the percent of Unknown/Other or Data Not Collected options. The issue has continued through 2019. The quality of the Excavator type, Excavation Equipment type, and Damage Cause type generally improved from 2013 to 2017 but worsened in 2018 and 2019. Overall, the quality of these important data elements has been erratic in recent years.

**Chart-A – % Data Unknown or Not Collected**

**Colorado Facility Damages 2001-2020**  
**Chart A % Data Unknown or Not Collected**

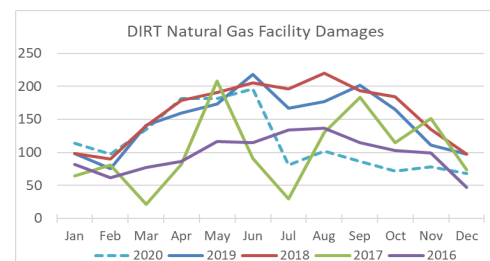


**COMMENT:** Facility owners are encouraged to collect and submit accurate and complete information on all facility damages. Lack of information limits our ability to analyze the data and to draw accurate and useful conclusions about facility damage and its causes. Continued improvement in data submission is needed.

**Table-A – % Data Unknown or Not Collected**

Colorado Facility Damages% Data Unknown or Not Collected																			
Table A	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20			
Excavator Type	2.2%	59.4%	51.9%	54.1%	61.6%	44.5%	47.7%	35.5%	26.4%	31.9%	35.1%	27.4%	11.5%	20.7%	18.4%	24.2%			
Excavation Equipment Type	10.0%	18.5%	7.2%	5.6%	7.4%	6.3%	30.1%	49.3%	26.2%	19.2%	35.1%	9.5%	9.0%	14.3%	19.7%	19.7%			
Work Performed Type	10.0%	61.7%	8.7%	8.1%	18.1%	6.7%	14.9%	12.4%	15.2%	13.8%	15.2%	14.5%	21.8%	33.9%	32.5%	32.5%			
Damage Cause Type	12.0%	64.1%	71.4%	7.0%	12.4%	57.3%	5.0%	32.1%	11.8%	30.3%	24.5%	28.0%	12.4%	16.7%	18.9%	28.1%			

As an example of potential under-reporting, note the chart to the right that shows the natural gas damages by month for 2016 through 2020. The lines can identify under-reporting in some months by observing the trend over several years. Note the small natural gas damage count for March and July 2017 and the summer months of 2016 and possibly the late summer of 2020. This may be evidence of under reporting by the natural gas facility owners in those years.



# Perspectives on Facility Damage - 2020

## Analysis of number of facility owners submitting DIRT damages

Table-2 below breaks down the number of facility owners and change in the number of DIRT damages submitted in 2020 as compared to 2019. The table details the number of facility owners submitting in both 2019 and 2020, only in 2020 (and not in 2019), and only in 2019 (and not in 2020). This table reflects the change in damages from 2019, not the total damages in 2020 (3,219) or 2019 (3,730).

**Table-2 – Number of Facility Owners and Change in Number of DIRT Damages for 2019 to 2020**

	Submitted Both Yrs	Submitted Only 2020	Submitted 2019 Only	
2020 TOTAL	#Owners	Not 2019	Not 2020	
58	18	40	0	More than 2019
22	22	0	17	Less than 2019
4	4	0	0	Same as in 2019
<b>84</b>	<b>44</b>	<b>40</b>	<b>-17</b>	<b>Net Change</b>
<b>TOTAL Change</b>				
2019-2020	#DIRT Damage	Not 2019	Not 2020	
362	269	93	0	More than 2019
-873	-839	0	-34	Less than 2019
<b>-511</b>	<b>-570</b>	<b>93</b>	<b>-34</b>	<b>Net Change</b>

As the last row labeled ‘Net Change’ on the upper table indicates, a total of 84 facility owners submitted damages to DIRT in 2020, an increase from the 61 who submitted in 2019. Forty-four (52.4%) of these 84 companies submitted damages in both 2019 and 2020, while 40 (47.6%) of these 84 facility owners did not submit damages in 2019 but did submit damages in 2020. There were also 17 facility owners who submitted damages in 2019 but did not submit any damages in 2020. As the last

row labeled ‘Net Change’ on the lower table indicates, these 17 facility owners reported 34 damages in 2019 and did not report any damages in 2020. This effectively reduced the 2020 damage count compared to 2019.

The 44 facility owners who submitted damages in both 2019 and 2020 mark a group of facility owners who consistently submit damages to DIRT and provide a reporting baseline to measure and compare damages year-over-year to track progress. As the ‘Net Change’ row on the lower table indicates, these 44 facility owners submitted a net 570 fewer damages in 2020 than in 2019. Of these 44 facility owners, 18 submitted 269 more damages than in 2019, while 22 submitted 839 fewer damages than in 2019 – for a net change of 570 fewer damages in 2020 from facility owners who submitted in both 2019 and 2020. The 40 facility owners who submitted damages in only 2020 reported 93 damages with 0 damages reported in 2019. Note also that 17 facility owners submitted zero damages in 2020 but submitted 34 damages in 2019 – effectively lowering the damage count in 2020 over 2019 by 34 damages.

In other words, the large net decrease in DIRT damages from 2019 to 2020 (511 fewer damages) can most likely be attributed to improvements in the damage prevention operating procedures of the facility owners and the excavators digging near their facilities.

# Perspectives on Facility Damage - 2020

## Special analysis of damage cause for utility related work performed by professional excavators using deep digging excavation equipment

Looking at a single DIRT data element and its distribution of selections will provide only a limited view of the raw damage data. By digging deeper into the data and assessing the results of multiple data elements, a more refined understanding of what has happened within the industry can be brought to the surface. Of primary importance is studying a large enough data set to allow the reader to draw valid conclusions. In this section we investigate all DIRT damages where 1) the Work Performed type was known by the facility owner, 2) the Work Performed type was utility related work (CATV, electric, natural gas, liquid pipeline, telecom, sewer, water, and steam), 3) the Excavator type was identified by the facility owner as a professional (contractor, developer, utility company, or state, county or municipal worker), 4) the Equipment type was identified by the facility owner as a backhoe/trackhoe, and 5) the Damage Cause was identified by the facility owner for the backhoe/trackhoe Equipment type. These five steps are defined and detailed below, and the results may prove more enlightening to a damage prevention stakeholder seeking to improve their 811 public awareness and/or their targeting for stakeholder education and training.

### Step 0) Start with the 2020 DIRT data set:

There were 3,219 DIRT damages in 2020 with the facility type distribution as shown below. Note that the natural gas and liquid pipeline facility types accounted for 44.5% (48.6% in 2019) of all damages submitted to DIRT by facility owners.

Year=	2020								
Facility Type	Cable TV	Electric	Liquid Pipeline	Natural Gas	Sewer (Sanitary/Storm)	Telecommunications	Unknown/Other	Water	TOTAL
DIRT Damages=	417	383	40	1,393	9	832	8	137	3,219
%Share of TOTAL DIRT Damages	13.0%	11.9%	1.2%	43.3%	0.3%	25.8%	0.2%	4.3%	100.0%

**Step 1)** Filter out all the damages where the **Work Performed Type** was not specified by the facility owner (Unknown/Other). This process returns 2,174 DIRT damages in 2020 (or 67.5% of 3,219 DIRT damages) with the facility type distribution as shown below. Note that the natural gas and liquid pipeline facility types now account for 52.5% of the damages after the filter process removed 1,045 damages (or 32.5% of 3,219 DIRT damages) with an unknown Work Performed type.

Year=		2020									
Data values are DIRT Damages with filter applied											
Facility Type	Cable TV	Electric	Liquid Pipeline	Natural Gas	Sewer (Sanitary/Storm)	Telecommunications	Unknown/ Other	Water	TOTAL	DIRT Damages	Unknown Work Type
Work Performed Type is Known	297	293	29	1,113	9	298	6	129	2,174	3,219	1,045
%Share of Known Work Type Total	13.7%	13.5%	1.3%	51.2%	0.4%	13.7%	0.3%	5.9%	100.0%	67.5%	32.5%

**Step 2)** The facility owner must select one of the 31 Work Performed Types. These 31 types can be grouped by similar types of work performed. One such grouping is the **“Utility Work Performed Type Group”**, consisting of the cable TV, electric, liquid pipeline, natural gas, sewer, telecommunications, water and steam utility related work types. All the other Work Performed types can now be filtered out to leave the following table of damages for each facility type. This process returned 1,319 DIRT damages in 2020 with the facility type distribution as shown below. These 1,319 DIRT damages represent 60.7% of the 2,174 DIRT damages where the Work Performed type was known. Note that the natural gas and liquid pipeline facility types now account for 48.1% of these 1,319 damages after the filter process removed 855 damages (or 39.3% of the 2,174 DIRT damages) with other non-utility Work Performed types.

Year=		2020		Data values are DIRT Damages with filter applied							
Utility Type Work Performed=		CATV, Electric, Liquid Pipeline, Natural Gas, Sewer, Telecom, Water, Other									
Facility Type	Cable TV	Electric	Liquid Pipeline	Natural Gas	Sewer (Sanitary/Storm)	Telecommunications	Unknown/ Other	Water	TOTAL	% of Work Type= Known	Other Work Performed Types
Work Type is Utility Related Work	207	171	7	628	8	184	4	110	1,319	2,174	855
%Share of Utility Related Work Total	15.7%	13.0%	0.5%	47.6%	0.6%	13.9%	0.3%	8.3%	100.0%	60.7%	39.3%

## Perspectives on Facility Damage - 2020

**Step 3)** The facility owner must now select one of the 11 Excavator Types. These 11 types can be grouped by similar types of excavators. One such grouping is the “**Professional Excavator Type Group**”, consisting of the contractor, developer, and utility company, as well as the state, county and municipal agencies. All the other Excavator types can now be filtered out to leave the following table of damages for each facility type. This process returned 1,122 DIRT damages in 2020 with the facility type distribution as shown below. These 1,122 DIRT damages represent 51.6% of the 2,174 DIRT damages where the work performed type was known. Note that the natural gas and liquid pipeline facility types now account for 52.7% of these 1,122 damages after the filter process removed 1,052 damages (or 48.4% of the 2,174 DIRT damages) with other non-professional Excavator types.

Year= 2020		Data values are DIRT Damages with filter applied									
Excavator Type= Contractor, Developer, Utility Company, State, County or Municipal Employee											
Facility Type	Cable TV	Electric	Liquid Pipeline	Natural Gas	Sewer (Sanitary/Storm)	Telecommunications	Unknown/Other	Water	TOTAL	% of Work Type= Known	Other Excavator Types
Professional Performing Utility Work	207	171	7	585	8	33	4	107	1,122	2,174	1,052
%Share of Utility Work Type Total	18.4%	15.2%	0.6%	52.1%	0.7%	2.9%	0.4%	9.5%	100.0%	51.6%	48.4%

**Step 4)** The facility owner must now select one of 15 Equipment Types. These 15 types can be grouped by similar types of equipment. The five groupings inclusive of all 15 types could be the “backhoe/trackhoe/trencher group”; the “auger/bore/drill/horizontal-drill group”, the “grading/scraping/milling/dozing/farming group”, the “hand-tool/probe/vacuum group”, and the “unknown/other group”. These **Equipment Type Groups** produce the following table of damages for each facility type with the share of damages for each Equipment type broken out in the lower part of the table. As stated in Step 3 above, there were 1,122 DIRT damages in 2020 with the facility type distribution as shown below. These 1,122 damages represent 51.6% of the 2,174 DIRT damages where the Work Performed type was known. Note that the natural gas and liquid pipeline facility types account for 52.7% of these 1,122 damages, while the cable TV, electric and water facility types account for 18.4%, 15.2%, and 9.5% respectively. The other facility types have too few damages to provide reliable analysis, but the results have some interest.

Notice the two rows highlighted in light green in the 1<sup>st</sup> column of the table below (Excavation Equipment Type Groups). The data identify that for all facility types except sewer and water, the “backhoe/trackhoe/trencher” equipment group (the deep digging equipment) was used by a professional excavator performing utility related work between 44.4% and 63.6% of the time when a damage occurred. For the sewer and water facility types, the “auger/bore/drill/directional drill” equipment group was used by a professional excavator performing utility related work 75.0% and 53.3% of the time, respectively, when a damage occurred. With a little study by the reader, this table identifies obvious relationships between the facility type, the relative depth of the facility type, and the equipment type used when a damage occurred for a professional excavator performing utility related work.

***This information presents a clear opportunity for improved targeting of both damage prevention awareness and stakeholder education and training by the 811 contact center, the 811 DP Liaisons, and industry stakeholders.***

Year= 2019		Data values are DIRT Damages with filter applied									
Excavator Type= Contractor, Developer, Utility Company, State, County or Municipal Employee											
Facility Type	Cable TV	Electric	Liquid Pipeline	Natural Gas	Sewer (Sanitary/Storm)	Telecommunications	Unknown/Other	Water	TOTAL	% of Work Type= Known	Other Excavator Types
Professional Performing Utility Work	207	171	7	585	8	33	4	107	1,122	2,174	1,052
%Share of Utility Work Type Total	18.4%	15.2%	0.6%	52.1%	0.7%	2.9%	0.4%	9.5%	100.0%	51.6%	48.4%
Backhoe/Trackhoe/Trencher	52.7%	44.4%	57.1%	58.3%	25.0%	63.6%	50.0%	28.0%	52.1%		
Auger/Bore/Drill/Directional Drill	42.5%	43.3%	28.6%	23.9%	75.0%	24.2%	50.0%	53.3%	33.6%		
Grading/Scraping/Dozing/Farming	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.4%		
Hand Tool/Probe/Vacuum	2.9%	5.8%	0.0%	13.7%	0.0%	6.1%	0.0%	3.7%	9.1%		
Unknown/Other	0.0%	6.4%	14.3%	4.1%	0.0%	6.1%	0.0%	14.0%	4.7%		
Excavation Equipment Type Groups	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		

What is not so obvious from the table above, is why the damage occurred. The Damage Cause type can shed some limited light on this question. The reason the value is limited stems from the following two concerns: 1) use of the “Root Cause not listed above” Damage Cause option (selected on 28.1% of DIRT damages in 2020; and 21.9% in 2019) and 2) the lack of stakeholder training and the stakeholder’s consistency in selecting the appropriate Damage Cause option. CGA attempted to reduce the use of the “Data Not Collected /Unknown” option by removing it in 2019. They tried to force the facility owner to make a valid selection for Damage Cause. Unfortunately, facility owners just

## Perspectives on Facility Damage - 2020

increased use of the “*Root Cause not listed above*” option. In 2018, this option for Damage Cause was selected by facility owners on 69 damages, while in 2019 it was selected on 704 damages and in 2020 it was selected on 905 damages.

Nevertheless, the table below breaks out the “**Damage Cause Groups**” for the filtered data above (1,122 DIRT damage records) discussed to this point. There are 57 Damage Cause options from which facility owners can select. They have been grouped as defined in the table below and the groupings should be clear and acceptable to the reader.

**Step 5)** The table below breaks out the **Damage Cause for the backhoe/trackhoe/trencher Equipment Group by facility type** from the data in the table above. There were 585 DIRT damages where professional excavators used deep digging equipment when a damage occurred (26.9% of the 2,174 DIRT damages where utility related work was performed by a professional excavator). Natural gas facility was damaged in 341 (58.3%) of these 585 DIRT damages. The two primary Damage Causes, for a combined 55.7% of these 341 DIRT damages, were “*excavator used insufficient excavation practices*” (35.5%) and “*facility located but marked inaccurately*” (20.2%). The excavator did not request a notification for 14.7% of these natural gas damages.

While there were only 4 liquid pipeline facilities damaged by the backhoe/trackhoe/trencher equipment group, for 25.0% of these DIRT damages the excavator did not request a notification and the facility was not located or marked for another 25.0%.

Cable TV facility had 109 DIRT damages (18.6% of the 585 DIRT damages where backhoe/trackhoe/trencher equipment was used when a damage occurred). The two primary Damage Causes, for a combined 79.8% of the 109 DIRT damages, were “*facility not located or marked*” (57.8%) and “*excavator used insufficient excavation practice*” (22.0%).

Electric facility had 76 DIRT damages (13.0% of the 585 DIRT damages). The two primary Damage Causes were “*excavator used insufficient excavation practice*” (31.6%) and “*facility not located or marked*” (27.6%).

The other facility types have too few damages to provide reliable analysis, but the reader can see the results below.

Year=	Data values are DIRT Damages with filter applied									
Excavation Equipment Type=	Backhoe/Trackhoe/Trencher									
Damage Cause (down) / Facility Type (across)	Cable TV	Electric	Liquid Pipeline	Natural Gas	Sewer (Sanitary/Storm)	Telecommunications	Unknown/Other	Water	TOTAL	% of Work Type= Known
Professional Performing Utility Work	109	76	4	341	2	21	2	30	585	2,174
%Share of Utility Work Type Total	18.6%	13.0%	0.7%	58.3%	0.3%	3.6%	0.3%	5.1%	100.0%	26.9%
No Notification	5.5%	5.3%	25.0%	14.7%	0.0%	19.0%	0.0%	3.3%	11.3%	73.1%
Insufficient Notification by Excavator	4.6%	6.6%	0.0%	7.6%	0.0%	14.3%	0.0%	0.0%	6.7%	
Excavator Used Insufficient Excavation Practice	22.0%	31.6%	25.0%	35.5%	100.0%	28.6%	0.0%	36.7%	32.3%	
Facility Not Located or Marked	57.8%	27.6%	25.0%	16.1%	0.0%	23.8%	50.0%	20.0%	26.0%	
Facility Located but Marked Inaccurately	0.0%	22.4%	0.0%	20.2%	0.0%	4.8%	0.0%	33.3%	16.6%	
Other Damage Cause	10.1%	6.6%	25.0%	5.9%	0.0%	9.5%	50.0%	6.7%	7.2%	
<b>TOTAL Damage Cause Analysis</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	

This detailed multifactor analysis provides several clear results for 2020:

- 1) Where the necessary information was provided by the facility owners, utility related work performed by professional excavators contributed over half (51.6%) of DIRT Damages.
- 2) When a professional excavator was performing utility related work, a backhoe/trackhoe or trencher was identified as the equipment in use for 52.1% of these damages.
- 3) When a professional excavator was performing utility related work with a backhoe/trackhoe or trencher, 50.3% of the time excavator actions contributed to the damage versus 42.6% of the time facility owner or locator actions contributed to the damage.

This and other similar multifactor analysis with other data elements reveal that the cause of damage differs for the different types of excavators, types of work and types of equipment. This result presents opportunity.

## Perspectives on Facility Damage - 2020

If damage prevention professionals in the industry would take heed of this wealth of information provided each year, the industry could better target appropriate 811 awareness messages as well as provide appropriate stakeholder education and training opportunities to facility owners, locators and excavators alike. While excavators commonly take the brunt of the blame for underground facility damages, the data clearly points to, in the aggregate, a mutual sharing of responsibility between the excavators and the locators, along with the facility owners who hire, direct and oversee the work of the locators.

**RED FLAG CONCERN:** Since 2011, there has been an increase in hazardous liquid pipeline damages. The table below list these DIRT submitted damages since 2001.

Facility Type	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hazardous Liquid Pipeline Damages	2	1	0	1	1	2	5	1	1	2	7	4	6	15	14	23	15	25	30	40

There were 25, 30 and 40 hazardous liquid pipeline damages in 2018, 2019 and 2020 respectively. Of these 95 total damages, 61 (64.2%) were reported to have occurred with no notification made to the One Call center by the excavator. Another 11 (11.6%) did have a notification made by the excavator, but it was reported as not sufficient. Insufficient notification refers to reporting that the excavator provided incorrect information, began excavating prior to a valid start date, excavated outside the described dig area, or the notification ticket had expired.

Damage Cause for Hazardous Liquid Pipeline Facility Type	Year=				
	2018	2019	2020	TOTAL	Share
<b>Damage Cause Groupings</b>					
No notification made to the one call center	17	22	22	61	64.2%
Notification made by excavator by insufficient	1	6	4	11	11.6%
Insufficient excavation practice	2	1	3	6	6.3%
Notification made by excavator but facility not marked	0	1	1	2	2.1%
Other root cause	5	0	10	15	15.8%
	25	30	40	95	100.0%

This knowledge, along with the increasing trend in pipeline damages since 2011 is an alarming development. Considering the heavily regulated nature of the liquid pipeline industry, **this finding should set a red flag for the industry regarding 811 public awareness and compliance.**

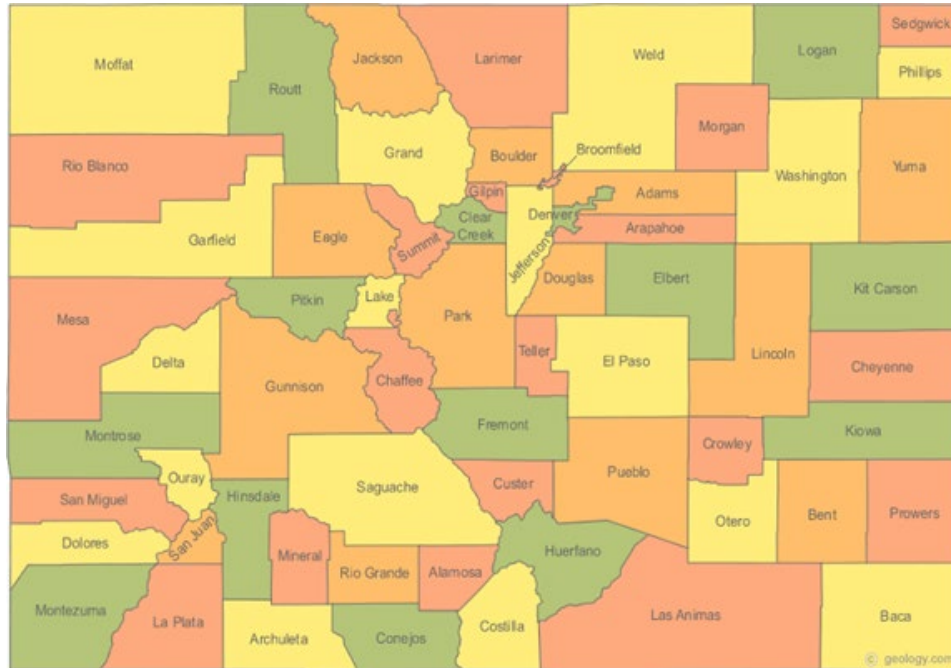
**The results of this multifactor analysis identify distinct opportunities for Colorado 811 and other industry stakeholders to better tailor targeting of stakeholder education and training as well as to improve 811 awareness to facility owners, locators, and excavators.**

This concludes the special analysis of the Damage Cause by Equipment Type versus Facility Type for professional excavators performing utility related work.

# Perspectives on Facility Damage - 2020

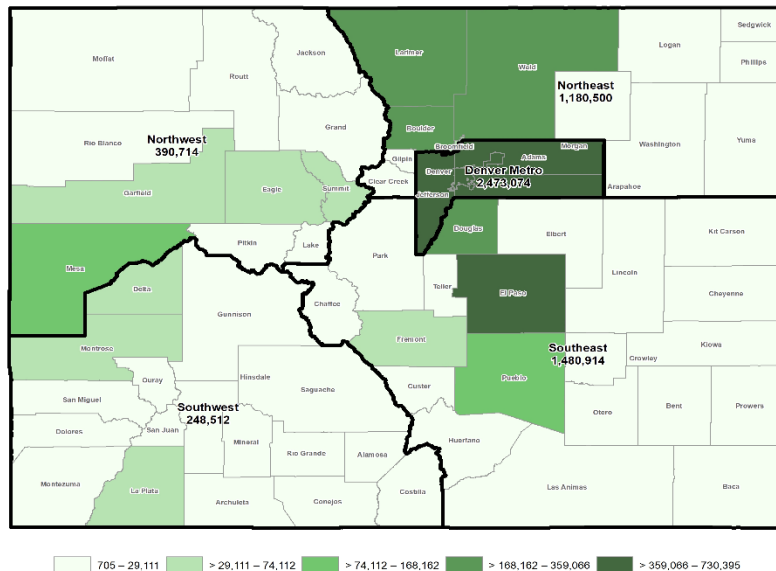
## APPENDIX A—SUPPLEMENTAL DATA TABLES AND CHARTS

### County map of Colorado



### Territory-county map of Colorado

#### Total Population By Territory and County



# Perspectives on Facility Damage - 2020

Table-G – State Demographic and One Call Data – 2003-2020

2003-2020 CO811 State DIRT Damage Prevention Data																				
DEMOGRAPHICS																				
Land Area:	104,093	Square Miles																		
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	%Change	%Change
Population:	4,555,084	4,608,811	4,662,534	4,745,660	4,821,784	4,901,938	4,976,853	5,050,332	5,119,182	5,189,861	5,266,317	5,345,680	5,444,871	5,538,580	5,609,445	5,689,145	5,769,985	5,782,915	0.2%	27.0%
Population Density: (persons/SqMile)	43.8	44.3	44.8	45.6	46.3	47.1	47.8	48.5	49.2	49.9	50.6	51.4	52.5	53.4	54.1	54.9	55.7	55.8	0.2%	27.5%
Net Migration:	10,313	14,300	13,779	42,896	35,000	40,469	36,268	37,570	34,944	38,709	45,345	47,656	69,065	59,628	47,640	52,979	39,981	27,341	-31.6%	165.1%
Housing Permits:	39,569	46,199	45,891	38,343	29,454	18,998	9,355	11,591	13,502	23,301	27,517	25,686	31,871	38,974	40,673	42,627	38,633	40,469	4.8%	2.3%
ONE-CALL DATA																				
CO811 Incoming Notifications:	788,314	789,539	764,883	727,039	643,647	563,041	470,716	500,622	503,408	560,366	617,608	684,863	732,861	796,695	848,040	922,061	957,745	1,052,358	9.9%	33.5%
CO Counties w/ Submitted Damages:	56	56	52	56	56	51	55	53	59	59	53	54	53	54	51	61	59	60	1	4
CO811 Members Submitting Damages	48	48	46	43	Unknown	Unknown	Unknown	Unknown	60	74	64	74	65	70	57	67	61	84	23	36
DIRT Facility Damages: (unadjusted)	13,540	10,573	9,371	8,947	6,358	4,900	3,192	3,130	3,588	3,584	3,615	3,837	4,773	2,442	2,508	3,720	3,730	3,219	-13.7%	-76.2%
Telecommunications Damages	6,425	5,216	4,639	4,144	3,195	2,602	1,911	1,391	1,897	1,467	912	1,120	1,156	662	289	763	694	832	19.9%	-87.1%
Natural Gas Damages	4,489	2,627	2,435	2,939	2,185	1,521	768	1,194	1,095	1,310	1,411	1,701	1,273	1,174	1,230	1,928	1,784	1,393	-21.9%	-69.0%
Electric Damages	1,666	1,561	790	1,497	635	472	231	349	303	430	513	522	424	480	456	527	598	383	-36.0%	-77.0%
Cable TV Damages	847	1,079	1,434	258	235	226	200	152	172	258	639	389	1,839	8	434	408	478	417	-12.8%	-50.8%
Water Damages	90	84	53	89	77	62	40	33	49	70	60	72	54	68	70	49	113	137	21.2%	52.2%
Sewer Damages	19	5	17	16	21	6	17	2	7	8	8	15	9	19	10	10	25	9	-64.0%	-52.6%
Liquid Pipeline Damages	0	1	1	2	5	1	1	2	7	4	6	15	14	23	15	25	30	40	33.3%	#DIV/0!
Other Damages	4	0	2	2	5	10	24	7	58	37	66	3	4	8	4	10	8	8	0.0%	100.0%
DAMAGE METRIC																				
Damages / 1,000 Notifications: (unadjusted)	17.2	13.4	12.3	12.3	9.9	8.7	6.8	6.3	7.1	6.4	5.9	5.6	6.5	3.1	3.0	4.0	3.9	3.1	-21.5%	-82.2%
Telecom Damages / 1,000 Notifications	8.2	6.6	6.1	5.7	5.0	4.6	4.1	2.8	3.8	2.6	1.5	1.6	1.6	0.8	0.3	0.8	0.7	0.8	9.1%	-90.3%
Nat Gas Damages / 1,000 Notifications	5.7	3.3	3.2	4.0	3.4	2.7	1.6	2.4	2.2	2.3	2.3	2.5	1.7	1.5	1.5	2.1	1.9	1.3	-28.9%	-76.8%
Electric Damages / 1,000 Notifications	2.1	2.0	1.0	2.1	1.0	0.8	0.5	0.7	0.6	0.8	0.8	0.8	0.6	0.6	0.5	0.6	0.6	0.4	-41.7%	-82.8%
Cable TV Damages / 1,000 Notifications	1.1	1.4	1.9	0.4	0.4	0.4	0.3	0.3	0.3	0.5	1.0	0.6	2.5	0.0	0.5	0.4	0.5	0.4	-20.6%	-63.1%
Water Damages / 1,000 Notifications	0.11	0.11	0.07	0.12	0.12	0.11	0.08	0.07	0.10	0.12	0.10	0.11	0.07	0.09	0.08	0.05	0.12	0.13	10.3%	14.0%
Sewer Damages / 1,000 Notifications	0.02	0.01	0.02	0.02	0.03	0.01	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.03	0.01	-67.2%	-64.5%
Other Damages / 1,000 Notifications	0.005	0.001	0.004	0.01	0.02	0.02	0.05	0.02	0.13	0.07	0.12	0.03	0.02	0.04	0.02	0.04	0.04	0.05	15.0%	798.9%

**Table-G** lists the key One Call, demographic and DIRT damage information for Colorado from 2003 through 2020. This information, but at the county level, is used to generate the County Damage Prevention Report Cards. The One Call information - notifications and damages - listed in the middle section are broken out by the eight facility types. This information is used to calculate the Facility Type Damage Metric (DIRT damages/1,000 notifications) in the lower section. The last four columns indicate the %Change from five different starting years (2019-2020, 2003-2020, 2009-2020, and 2003-2010).

Note the steady decrease in the number of damages and the Facility Type Damage Metrics from 2003 through the 2009-2011 timeframe. These decreases occurred with the backdrop of increases in population, changes in net migration, and decreases in housing permits and incoming notification requests. The economic, construction and excavation activity began increasing after 2009 as incoming notification requests and damages also began to increase. But the decreasing Facility Type Damage Metrics shows that while notification requests and damages were both increasing after 2009, the increase in notification requests was larger than the increase in damages - thus, causing the damage ratio (DIRT damages/1,000 notifications) to continue to decrease in most years.

In 2020, note the decrease in damages for the natural gas, electric, cable TV, and sewer facility types along with the increase in damages for the other facility types. The large changes from year to year in the cable TV and telecommunications damages are a symptom of erratic reporting by some facility owners. Also note the increase in liquid pipeline damages in 2020 to 40, trending up from the mid-teens in all years after 2013.

**COMMENT:** The recent increase in liquid pipeline damages is concerning considering the much lower number of damages prior to 2011 (from 0 to 5). Additional damage prevention efforts and resources should be directed to the liquid pipeline industry to help mitigate the potential safety and property risks.

# Perspectives on Facility Damage - 2020

Table-H – %Share of Data and Cumulative %Share of Data – by County – 2020

2020												
Colorado												
	COUNTY	%Population	Cumulative %Population	%Net Migration	Cumulative %Net Migration	%Permits	Cumulative %Permits	%Incoming Notifications	Cumulative %Incoming Notifications	%Adj DIRT Damages	Cumulative %Adj DIRT Damages	Damages / 1000 Notifications
1	El Paso	12.7%	12.7%	7.8%	7.8%	16.8%	16.8%	13.3%	13.3%	21.9%	21.9%	5.0
2	Denver	12.4%	25.1%	14.3%	22.1%	12.5%	29.4%	10.8%	24.1%	7.8%	29.7%	2.2
3	Arapahoe	11.3%	36.4%	-6.3%	15.8%	10.2%	39.5%	9.2%	33.3%	8.8%	38.5%	2.9
4	Jefferson	10.1%	46.5%	-2.2%	13.6%	5.3%	44.9%	7.3%	40.6%	6.4%	44.9%	2.7
5	Adams	9.0%	55.5%	0.7%	14.3%	10.0%	54.8%	8.8%	49.5%	5.6%	50.4%	1.9
6	Douglas	6.2%	61.7%	25.6%	39.9%	8.3%	63.1%	8.3%	57.8%	7.1%	57.5%	2.6
7	Larimer	6.2%	67.9%	8.3%	48.2%	6.3%	69.5%	7.7%	65.5%	5.4%	62.9%	2.2
8	Weld	5.7%	73.6%	23.6%	71.8%	10.3%	79.8%	9.5%	74.9%	6.5%	69.5%	2.1
9	Boulder	5.7%	79.4%	5.7%	77.5%	4.0%	83.9%	4.9%	79.9%	3.4%	72.9%	2.1
10	Pueblo	2.9%	82.3%	4.5%	81.9%	1.4%	85.3%	1.9%	81.8%	2.0%	74.8%	3.2
11	Mesa	2.7%	85.0%	3.4%	85.3%	2.5%	87.8%	2.1%	83.9%	2.1%	76.9%	3.1
12	Broomfield	1.3%	86.3%	5.8%	91.1%	1.1%	88.8%	1.7%	85.5%	1.2%	78.1%	2.2
13	Garfield	1.1%	87.3%	2.8%	94.0%	0.8%	89.6%	0.8%	86.3%	1.1%	79.2%	4.5
14	La Plata	1.0%	88.3%	0.1%	94.1%	0.6%	90.3%	0.9%	87.2%	1.1%	80.4%	4.0
15	Eagle	1.0%	89.2%	1.6%	95.7%	1.0%	91.3%	0.8%	87.9%	1.6%	82.0%	6.4
16	Fremont	0.8%	90.1%	2.5%	98.2%	0.4%	91.7%	0.5%	88.4%	0.7%	82.7%	4.6
Top 16			90.1%		98.2%		91.7%		88.4%		82.7%	Ave=3.2
Next 32			9.1%		1.3%		7.7%		10.7%		14.9%	Ave=4
Bottom 16			0.8%		0.6%		0.7%		0.9%		2.5%	Ave=8.5

**Table-H** lists the population, net migration, housing permits, notification requests and DIRT damages as a %share of the state total for the 16 counties with the largest population (sorted in decreasing population order). The lowest three rows of the table summarize a similar set of data for the top 16, middle 32 and bottom 16 counties by population. The interesting observation is that the top 16 counties (25% of the counties) with the largest population represent from an 82.7% to 98.2% share of the five measures for 2020; while the bottom 16 counties with the smallest share of the population represent from between a 0.6% to 2.5% share of the five measures. While this relationship is to be expected, **it suggests that any lack of damage data submission by the bottom 16 and possibly the middle 32 population counties does not materially impact the analysis and usefulness of the DIRT data submitted for Colorado.**

DIRT damages were submitted in 60 of the 64 Colorado counties in 2020 (one more than in 2019). Of the four counties with no DIRT damages submitted in 2020, three of them (Jackson, Sedgwick, and Washington) had from 1-3 damages reported by excavators in the Colorado 811 Ticket System. Baca County had no damages submitted to either DIRT or the Colorado 811 Ticket System. Note the Average Damage Metric for each grouping of counties (Top 16, Middle 32, and Bottom 16) listed in the last column. As population decreases in each grouping, the Average Damage Metric increases.

There are three observations evident in Table-H:

- 1) The proportionally larger share of damages (21.9%) in El Paso County in relation to its share of population (12.7%), building permits (16.8%), and notifications (13.3%). El Paso County had a Damage Metric Rank of 32 of 64, and the 2<sup>nd</sup> worst (highest) ratio of DIRT damages/1,000 notifications (=5.0) of the 16 counties ranked by population.
- 2) The proportionally smaller share of damages (5.6%) in Adams County in relation to its population (9.0%), building permits (10.0%), and notifications (8.8%). Adams County had a Damage Metric Rank of 8 of 64, and the best (lowest) ratio of DIRT damages/1,000 notifications (=1.9) of the largest 16 counties ranked by population.
- 3) In relation to the other measures for the Top 16 Counties (between 88.4% and 98.2% share of State), this group's DIRT damages had a lower-than-expected share of the state's damages at 82.7%. This result was offset by a higher-than-expected share of the state's damages for both the Middle 32 Counties (14.9%) and the Bottom 16 Counties (2.5%). **This result likely points to more effective public awareness and stakeholder damage prevention programs in a county as its population and number of notification requests increase.**

***The third observation suggests that public awareness campaigns and stakeholder education could be effectively targeted to some rural areas of the state, particularly by the Colorado 811 Marketing and Damage Prevention Departments.***

## Perspectives on Facility Damage - 2020

Table-I – Demographic and One Call Data – by County – 2020

COUNTY	Adj DIRT Damages	Rank: 64 is largest	Incoming Notifications	Rank: 1 is largest	Population	Rank: 1 is largest	Net Migration	Rank: 1 is largest	Permits	Rank: 1 is largest	Damages / 1,000 Notifications	Rank: 1 is Best
Colorado 2020	3,223		1,052,358		5,782,915		27,341		40,469			
Adams	180	58	93,028	5	520,070	5	185	18	4,027	5	1.9	14
Alamosa	7	27	2,278	37	16,330	31	55	26	62	33	3.1	28
Arapahoe	283	63	97,260	4	655,044	3	(1,724)	64	4,116	4	2.9	26
Archuleta	18	37	3,353	30	13,367	34	181	19	153	25	5.4	45
Baca	0	1	601	55	3,478	56	(59)	51	2	62	0.0	1
Bent	1	2	772	53	5,585	50	(367)	62	5	58	1.3	7
Boulder	109	56	52,052	9	330,860	9	1,566	7	1,634	9	2.1	16
Broomfield	38	49	17,664	12	74,470	12	1,591	6	427	12	2.2	19
Chaffee	15	35	3,645	29	19,515	26	198	17	186	22	4.1	37
Cheyenne	4	15	1,153	48	1,741	59	(36)	49	6	54	3.5	32
Clear Creek	4	15	3,339	31	9,387	39	(21)	46	94	29	1.2	6
Conejos	3	13	1,157	47	7,439	41	(100)	54	36	37	2.6	22
Costilla	21	41	619	54	3,485	55	(6)	42	0	63	33.9	64
Crowley	4	15	511	57	5,843	47	37	29	12	46	7.8	56
Custer	2	11	1,054	51	4,711	53	74	23	118	27	1.9	13
Delta	29	46	4,555	25	31,160	18	62	24	73	30	6.4	50
Denver	253	62	113,306	2	717,632	2	3,914	3	5,059	2	2.2	21
Dolores	4	15	400	58	2,080	58	7	35	6	54	10.0	60
Douglas	228	61	87,650	6	360,037	6	6,997	1	3,370	6	2.6	23
Eagle	52	51	8,122	16	55,624	15	447	13	403	13	6.4	51
El Paso	705	64	139,840	1	731,641	1	2,133	5	6,819	1	5.0	43
Elbert	18	37	6,334	20	26,188	21	450	12	296	16	2.8	25
Fremont	22	43	4,771	23	48,885	16	674	11	155	24	4.6	40
Garfield	36	47	7,917	17	61,723	13	775	10	334	14	4.5	39
Gilpin	5	20	1,291	44	5,799	48	50	27	20	42	3.9	34
Grand	11	31	6,942	19	15,707	32	234	16	234	20	1.6	9
Gunnison	20	39	3,673	28	16,944	30	(38)	50	228	21	5.4	46
Hinsdale	1	2	180	63	795	63	3	39	11	48	5.6	47
Huerfano	7	27	1,172	46	6,804	44	107	21	43	36	6.0	49
Jackson	1	2	199	62	1,378	61	3	39	5	58	5.0	42
Jefferson	205	59	77,081	8	582,782	4	(608)	63	2,161	8	2.7	24
Kiowa	5	20	201	61	1,459	60	6	36	5	58	24.9	63

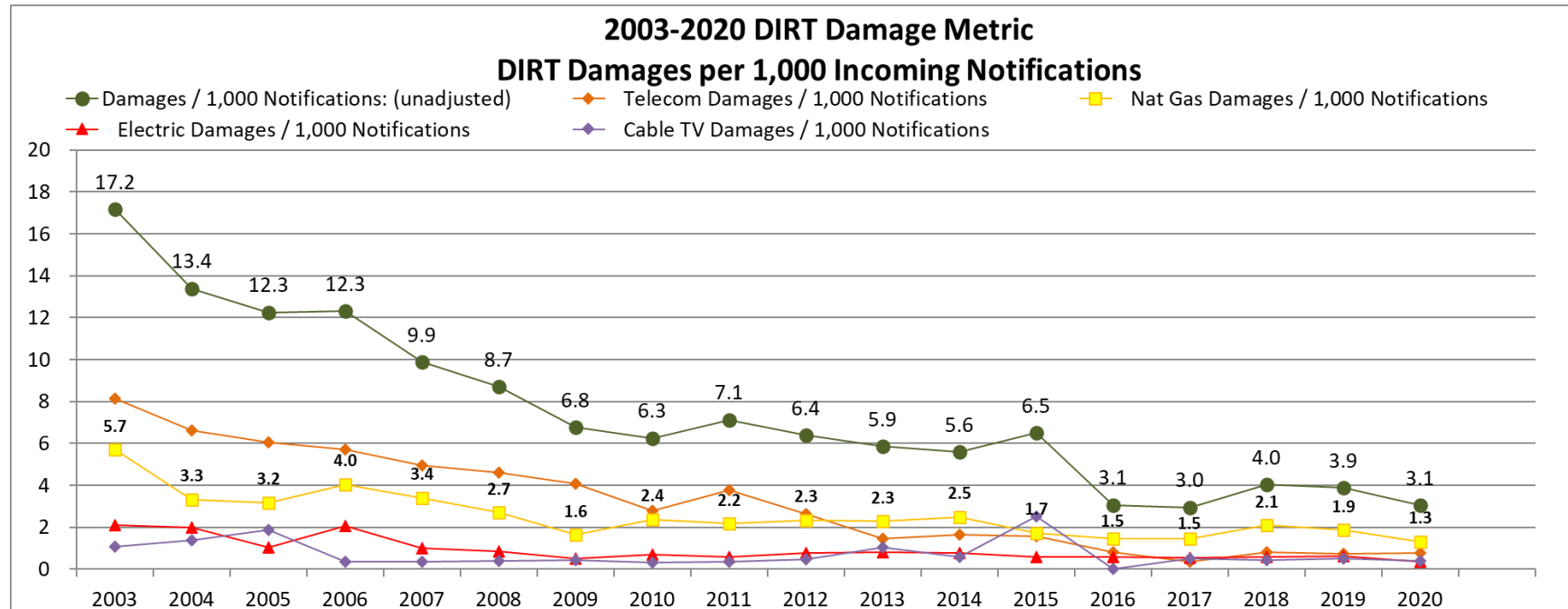
COUNTY	Adj DIRT Damages	Rank: 64 is largest	Incoming Notifications	Rank: 1 is largest	Population	Rank: 1 is largest	Net Migration	Rank: 1 is largest	Permits	Rank: 1 is largest	Damages / 1,000 Notifications	Rank: 1 is Best
Kit Carson	5	20	1,510	42	7,078	43	(115)	57	11	48	3.3	31
La Plata	37	48	9,241	13	55,651	14	32	31	253	19	4.0	35
Lake	5	20	3,250	32	7,417	42	(186)	60	53	35	1.5	8
Larimer	174	57	80,737	7	359,701	7	2,275	4	2,565	7	2.2	20
Las Animas	1	2	1,894	40	14,560	33	5	38	34	38	0.5	2
Lincoln	5	20	1,062	50	5,661	49	38	28	9	50	4.7	41
Logan	3	13	3,901	26	21,408	25	(98)	53	12	46	0.8	3
Mesa	68	54	22,023	10	155,910	11	918	9	1,004	10	3.1	29
Mineral	1	2	229	60	863	62	33	30	18	43	4.4	38
Moffat	16	36	2,403	35	13,283	35	(103)	55	17	44	6.7	53
Montezuma	14	34	3,688	27	25,853	22	167	20	27	41	3.8	33
Montrose	44	50	7,720	18	42,810	17	373	14	263	18	5.7	48
Morgan	8	29	4,785	22	29,106	20	(131)	58	147	26	1.7	10
Otero	8	29	4,740	24	18,679	27	(17)	45	6	54	1.7	11
Ouray	27	44	1,877	41	4,880	51	(13)	44	71	32	14.4	62
Park	21	41	2,572	34	17,430	28	(110)	56	162	23	8.2	58
Phillips	1	2	582	56	4,528	54	16	34	3	61	1.7	12
Pitkin	20	39	2,921	33	17,363	29	(137)	59	72	31	6.8	54
Prowers	5	20	1,231	45	12,014	36	(30)	48	15	45	4.1	36
Pueblo	63	53	19,722	11	168,434	10	1,219	8	579	11	3.2	30
Rio Blanco	5	20	2,345	36	6,532	45	(4)	41	8	51	2.1	18
Rio Grande	11	31	1,433	43	11,555	37	(10)	43	31	40	7.7	55
Routt	69	55	8,564	15	24,840	23	255	15	285	17	8.1	57
Saguache	1	2	1,144	49	6,409	46	57	25	54	34	0.9	4
San Juan	1	2	89	64	708	64	6	36	7	52	11.2	61
San Miguel	11	31	2,163	38	8,068	40	(87)	52	34	38	5.1	44
Sedgwick	2	11	309	59	2,409	57	25	32	0	63	6.5	52
Summit	28	45	9,203	14	31,013	19	(356)	61	318	15	3.0	27
Teller	62	52	6,326	21	24,779	24	90	22	113	28	9.8	59
Washington	1	2	877	52	4,825	52	21	33	7	52	1.1	5
Weld	211	60	99,713	3	331,184	8	6,446	2	4,185	3	2.1	17
Yuma	4	15	1,984	39	10,001	38	(28)	47	6	54	2.0	15

**Table-I** lists the Demographic and the One Call data along with the Rank Order for the 64 Colorado counties, sorted alphabetically. Note that Rank Order is where 1=highest and 64=lowest, except for DIRT damages, where fewer damages are better (or a low Rank of 1 is better). Each county includes data for Adjusted DIRT Damages, Notification Requests, Population, Net Migration and Building Permits. Note that 60 of the 64 counties had one or more damages submitted in DIRT in 2020. Three of the four counties with no DIRT damages had from one to three damages reported in the Colorado 811 Ticket System. The counties with no DIRT damages were adjusted by giving them ½ of the Colorado 811 Ticket System damages. Additionally, Baca County had no damages reported in either DIRT or the Colorado 811 Ticket System. The maximum Adjusted DIRT Damages/1,000 notifications metric for the 64 counties was 33.9; the minimum was 0.0 (1 county); and the average was 4.9. The average damage metric was lower in 2020 than both the 5.2 average obtained in 2019 and the 5.5 average obtained in 2018.

*NOTES: Adjusted DIRT damages may not include all facility damages that occurred in the county as facility owners may not have submitted all damages to DIRT. These values are NOT density adjusted as they are with the County Damage Prevention Report Cards and are therefore slightly larger.*

## Perspectives on Facility Damage - 2020

Chart-B – DIRT Damages/1,000 Notifications – by Facility Type – 2003-2020



**Chart-B** shows the DIRT damages/1,000 notifications for all-facilities and for each of the four major facility types in Colorado from 2003 through 2020. While there were increases in several of the Damage Metrics from 2019 to 2020, note the strong decreasing trend in the Damage Metrics over the 18 years. Natural gas, electric, cable TV, and sewer damages decreased in 2020, while telecommunication, water, and liquid pipeline damages increased in 2020.

For all-facilities (the green line with circle markers), the Damage Metric has decreased from 17.2 DIRT damages/1,000 notifications in 2003 to 3.1 in 2020, a 82.2% decrease over 18 years. This metric may be lower than would be expected since several of the industries may be under-reporting DIRT damages. Note the large increase in 2018 from the low in 2016 and 2017. Also consider the much higher damage count called-in to Colorado 811 by excavators.

For the natural gas facility type (the yellow line with square markers), the Damage Metric has decreased from 5.7 in 2003 to 1.3 in 2020, a 76.8% decrease over 18 years. There is consistently high confidence in this metric for the natural gas industry as it often aligns closely with the number of natural gas damage notifications reported by excavators to Colorado 811 and the damages facility owners report to PHMSA.

For the liquid pipeline facility type (not shown), the DIRT damages increased from 25 in 2018 to 30 in 2019 and to 40 in 2020. The recent increasing trend in damages is concerning considering the regulated nature of the pipeline industry.

Evidence suggests that the telecommunications, cable TV, water and sewer industries may have been under submitting damages to DIRT in prior years.

# Measuring County Damage Prevention Grades- 2020

## APPENDIX B—OVERVIEW OF DAMAGE PREVENTION GRADING PROCESS

Page-23 through page-26 describe the methods used with the *2020 Damage Prevention Report Cards* for scoring and grading each county. The Report Card utilizes metrics derived from four damage prevention areas: 1) Public Awareness, 2) Facility Damages, 3) Damage Reporting and 4) Damage Prevention Activity. The first three of these metrics are then combined to derive a Composite Damage Prevention Grade. The fourth metric, Damage Prevention Activity was not included in the Composite Damage Prevention Grade in 2019 as it was the first year to collect data. It is also not included in 2020 because of the economic lockdown during the spring and summer due to the COVID-19 pandemic. The metric may be included in the Composite Damage Prevention Grade in future years.

Page-30 contains a detailed listing of the Damage Prevention Grades sorted by Composite Grade and includes the three included grading metrics for each county for 2009 through 2020.

## Colorado county and territory damage prevention report cards

Page-33 through page-101 include the Damage Prevention Report Card for each of the five Territories and each of the 64 Colorado counties. All the demographic and One Call data used to generate each metric, score, and grade is included on each Report Card.

## Description of the Public Awareness metric

The Public Awareness Metric assesses the level of notifications as compared to the level of the population. As population increases, notifications should generally increase also. Some level of the ratio of the two measures should be representative of an acceptable level of public awareness. As time passes though, the economy and construction activity may undergo periods of expansion and contraction that influence the level of notifications, and so too the ratio. As construction activity slows down, notifications will generally slow down, while population continues to slowly increase. In this case, the ratio will decrease; though this does not mean that the public awareness level has fallen. If notifications decrease at a slower rate than construction activity, the public awareness level may increase. This ratio is best used to compare public awareness between counties in the same year and not across multiple years.

Since higher density population areas tend to utilize more vertical construction styles (high rise office buildings, multi-story apartments, etc.) there is a natural tendency of fewer notifications for the level of population. This tendency suggested the need to adjust the notification level for higher population density areas. An algorithm was developed to make just such a population density adjustment for notifications for each county. In addition, both the adjusted notifications and the population were functionally transformed since there is such a large variation between the highest and lowest values of each measure.

The Public Awareness Metric is thus calculated as a ratio of  $f(\text{density adjusted notifications}) / f(\text{population})$ .

### 2020 Results:

This ratio for all counties ranged from 0.69 to 0.95 with an average of 0.85, and a standard deviation of 0.06. The **2020 Notification Weighted Average Ratio of 0.916 was used as the Public Awareness Threshold for comparing counties.** In 2020, twelve counties (nine in 2019 – which was worse) had a Public Awareness ratio above the Public Awareness Threshold, leaving 52 counties below the threshold. The twelve counties above the Public Awareness Threshold received a Public Awareness Grade of A or B, while the 52 counties below the threshold received a Public Awareness Grade of C, D or F.

The four larger population counties with the highest Public Awareness metric were Broomfield, Weld, Douglas, and Denver. The four smaller population counties with the highest Public Awareness metric were Cheyenne, Lake, Grand, and Summit.

# Measuring County Damage Prevention Grades- 2020

## Description of the Damage metric

The Damage Metric assesses the level of DIRT damages compared to the level of notification requests. As notifications increase, damages are likely to increase also. Some level of the ratio of the two measures should be representative of an acceptable level of damage prevention. As time passes though, the economy and construction activity may undergo periods of expansion and contraction that influence the level of notifications, and so too the ratio. As construction activity slows down, both notifications and damages should decrease – though the damage ratio should stay about the same if damage prevention activities are sufficient. If damages decrease at a faster rate than notifications decrease, the damage ratio will decrease, indicating an improvement in damage prevention efforts and effectiveness. This ratio can be used both to compare damage prevention results across time and between counties.

As described in the prior Public Awareness Metric section, the notification level for each county was adjusted to compensate for population density. In 2020, facility owners in four of the 64 counties did not submit any damages to DIRT. For a county which had no damages submitted to DIRT by facility owners, the DIRT damages were adjusted to equal one-half of the damages reported by excavators to the CO811 Ticket System. Four counties had no damages submitted to DIRT. Three of these counties were adjusted from one to three damages. These three counties include Jackson, Sedgwick and Washington. The fourth county, Baca, had no damages submitted to DIRT and no damages reported to the CO811 Ticket System.

Since many stakeholders desire to improve their damage prevention efforts, and we desire to measure and track this progress over time, **we use the Damage Weighted Ratio computed in 2004 as the Damage Ratio Threshold** with which to measure progress over time. If damage prevention efforts are improving in a county, then the Damage Ratio should get smaller over time and that county's Damage Ratio may move from above to below the 2004 Damage Ratio Threshold. In addition, the Damage Weighted Ratio for all counties should decrease over time if overall damage prevention efforts for the state have improved.

The Damage Metric is thus calculated as a ratio of adjusted DIRT damages/1,000 density adjusted notifications.

### 2020 Results:

This ratio ranged from 0.0 to 31.9 with an average of 4.1, a standard deviation of 5.0, and a damage weighted average of 2.5. The 2004 Damage Weighted Ratio was 10.8 and is used as the Damage Threshold. In 2020, 61 counties (60 in 2019 – which was worse) had a Damage Ratio below the 2004 Damage Threshold, leaving three counties above the threshold. The 61 counties below the 2004 Damage Threshold received a Damage Prevention Grade of A, B or C, while the three counties above the threshold received a Damage Prevention Grade of D or F. The state improved from 2019 to 2020 with a decrease in the average Damage Metric (from 4.2 to 4.1). The Damage Weighted Damage Ratio also decreased (improved) from 2.7 to 2.5. Unfortunately, the maximum Damage Metric increased from 18.3 in 2019 to 31.9 in 2020 (Costilla County in both years) and the standard deviation of the Metric increased from 3.7 to 5.0.

The four best performing larger population counties were Denver, Broomfield, Adams, and Boulder, while the four best performing smaller population counties were Baca, Las Animas, Logan, and Saguache. Baca county had no damages submitted to DIRT by facility owners and no damages reported to the CO811 Ticket System by excavators.

# Measuring County Damage Prevention Grades- 2020

## Description of the Damage Reporting metric

The Damage Reporting Metric assesses the level of damage submission for each facility type within a county. For each of the eight facility types where one or more damages were submitted, a county was given risk weighted points. The points were summed and divided by two to determine the numeric score for Damage Reporting. The score can range from 0.00 points if no damages were submitted to 4.50 points if at least one damage was submitted for each facility type within a county. This measure can be used both to compare damage prevention reporting across time and between counties.

Table-J below lists the Risk Weighting Factor and the number of counties with submitted damages for each facility type in 2020. Each facility type was assigned a Risk Weighting Factor based upon its relative risk of injury to humans and damage to property, giving the highest risk weight to natural gas and electric damages. Counties with a higher damage reporting metric have a higher level of damage submission than counties with a lower metric. This metric penalizes counties where few facility types had damages submitted. When damage did not actually occur in a county and no damages were submitted in DIRT or reported in the CO811 Ticket System, the county is given a final score of 4.0. If damage reporting efforts are improving in a county, then the Damage Reporting metric will increase over time.

**Table-J – Damage Reporting Risk Factors and #Counties – by Facility Type – 2020**

2020								
Damage Reporting Risk Factor and #Counties								
Facility Type	Natural Gas	Electric	Telecom	Cable TV	Water	Sewer	Pipeline	Other
Risk Factor	2.00	2.00	0.75	0.75	1.25	1.25	0.50	0.50
#Counties	52	26	54	15	21	6	8	5

The Damage Reporting Metric is thus calculated as the sum of risk weighted scores for each facility type within a county.

### 2020 Results:

This numeric score ranged from 0.25 to 4.50 with an average of 2.01 and a standard deviation of 1.18. Note from Table-J above that natural gas and electric damages were submitted in 54 and 26 counties respectively, while both natural gas and electric damages were submitted in 25 counties (this last data element not shown in table).

The Average Damage Reporting Metric has ranged from a high of 2.11 in 2012 to a low of 1.53 in 2010. The Damage Reporting Metric improved after 2016-2017 through 2020, This improvement resulted from a letter writing campaign by Colorado 811 to encourage more consistent and timely damage submission by facility owners.

The four best performing larger population counties were El Paso, Jefferson, Adams, and Douglas; while the four best performing smaller population counties were Baca, Eagle, Garfield, and Routt. Baca county had no damages submitted by facility owners to DIRT and no damages reported to the Colorado 811 Ticket System by excavators.

# Measuring County Damage Prevention Grades- 2020

## Description of the Damage Prevention Activity metric

The Damage Prevention Activity Metric and Damage Prevention Activity Grade assess the level of damage prevention participation, cooperation, education, and activity that occurred within each county in 2020. These activities were primarily sponsored and conducted by the Colorado 811 Damage Prevention Department and/or the local DPCs. The following list details the type of damage prevention activities tracked by Colorado 811 in each county in 2020.

### List of Types of Damage Prevention Activities

- 1) Colorado 811 conducted a Paradigm pipeline presentation
- 2) Colorado 811 presented at an industry conference
- 3) Colorado 811 presented at an industry exposition
- 4) Colorado 811 presented at an industry trade show
- 5) Colorado 811 conducted Web Ticket Entry training
- 6) Colorado 811 conducted a One Call presentation
- 7) Colorado 811 attended a stakeholder meeting
- 8) Stakeholders conducted an excavator breakfast presentation

### List Damage Prevention DPC/JUUC Activities

- 1) Existence of a Damage Prevention Council (DPC) or Joint Underground Utility Committee (JUUC)
- 2) DPC or JUUC conducted one or more stakeholder meetings
- 3) DPC or JUUC sponsored one or more Damage Prevention events

A Damage Prevention Activities Metric is determined by summing county activity points into a DP Activity Metric. This metric ranges from 0 points to 12 points.

### **DP Activities Points and DP Activity Metric**

DP Activities Count	DPC / JUUC Exists	DPC/JUUC Meetings	DPC/JUUC DP Events
15-50 DP Activities=6	DPC and JUUC=3	DPC/JUUC>1 meeting=2	DPC/JUUC event=1
07-14 DP Activities=4	DPC only=2	DPC/JUUC=1 meeting=1	DPC/JUUC no event=0
03-06 DP Activities=2	JUUC only=1	DPC/JUUC=0 meeting=0	
01-02 DP Activities=1	No DPC or JUUC=0		
00 DP Activities=0			

The Damage Prevention Activity Grade in each county is then determined by converting the DP Activity Metric to a Grade Score and converting the Grade Score to a letter Grade.

### **DP Activity Grade**

DP Activity Grade	DP Activity Grade Score	DP Activity Metric
A	4	10-12
B	3	07-09
C	2	04-06
D	1	01-03
F	0	00

Unfortunately, the Colorado 811 marketing department was unable to provide data on 811 awareness campaigns at the county level in either 2019 or 2020. Therefore, this activity has not been included in the County or Territory Report Cards. 811 public awareness campaigns conducted by Colorado 811 as well as damage prevention activity sponsored and conducted by stakeholders other than Colorado 811 may be tracked and incorporated in the DP Activity Metric and DP Activity Grade in future years. Also, the method of determining the DP Activity Metric and Grade may be adjusted in future years.

### **2020 Results:**

The Damage Prevention Activity Metric ranged from 0 to 11 with an average of 5.4 and a standard deviation of 3.4. The Damage Prevention Activity Grade distribution was A=9, B=5, C=17, D=10. Counties with no activity points were not included in the DP Activity Metric since there was no expectation for activity in the county. Archuleta County received the highest DP Activity Metric with 11 points out of a possible 12 points.

The Damage Prevention Activity data were collected by the Colorado 811 Damage Prevention Department. Any questions concerning the DP activity data collection method should be directed to Colorado 811.

# Measuring County Damage Prevention Grades- 2020

## Description of the Composite Damage Prevention metric

The Composite Damage Prevention Score is formed through a weighted sum of the scores for each of the first three damage prevention metrics:

- |                            |               |
|----------------------------|---------------|
| 1) Public Awareness Metric | 50% Weighting |
| 2) Damage Metric           | 25% weighting |
| 3) Damage Reporting Metric | 25% weighting |

**2020 Results:** The Composite Damage Prevention Score ranged from a minimum of 0.83 to a maximum of 3.79 with an average of 2.66 and a standard deviation of 0.72. The Composite Score average improved from 2.59 in 2019, while the minimum increased from 0.75 and the maximum increased from 3.75. Overall, the four grading elements improved from 2019 to 2020.

## Damage Prevention grading summary

**Table-K** on page-30 summarizes the 2017 through 2020 letter grades from the County Damage Prevention Report Cards. Each annual table is sorted first on the Composite Damage Prevention grade, then the Public Awareness grade, the Damage grade and finally the Damage Reporting grade, based upon the four grading metrics previously described:

- |                                      |                            |
|--------------------------------------|----------------------------|
| 1) Public Awareness Grade            | 2 <sup>nd</sup> Sort Order |
| 2) Damage Grade                      | 3 <sup>rd</sup> Sort Order |
| 3) Damage Reporting Grade            | 4 <sup>th</sup> Sort Order |
| 4) Composite Damage Prevention Grade | 1 <sup>st</sup> Sort Order |

The colored cells in the County column represent the year a Damage Prevention Council (DPC) or Joint Underground Utilities Commission (JUUC) started in the county.

- In 2020 there were 30 counties that participated in one of the eight DPCs or nine JUUCs
- Six of these counties became active in pre-2005 County shaded dark blue
- Thirteen additional counties became active between 2005 and 2009 County shaded light blue
- Ten additional counties became active in 2016 and 2017 County shaded light red
- One additional county became active in 2020. County shaded light green
- From 2010-2015 the DPCs were reorganized and no new DPCs or JUUCs were formed those years.

Table-K visually shows there has been an improvement in the Composite Damage Prevention Metric (last column in each year) over the four years. Note that there are more counties in 2019 and 2020 with a Composite Grade from B- through A than in the previous years.

## Territory report cards summary

Colorado 811 has five Damage Prevention Liaisons who provide educational outreach to facility owners, excavators, and locators in each of five territories. The map and table on the next two pages depict the location of these territories in the state and identify the county name, the DPC and the JUUC in each county. Some counties have both a DPC and a JUUC. The table lists the same information along with the Colorado 811 Damage Prevention Liaison assigned to each territory. The table below summarizes the five grade elements for the five territories. For 2019 and 2020 note that the DP Activity Grade is not included as part of the Composite Grade.

Territory#	Territory Summary	Public Awareness Grade	Damage Grade	Reporting Grade	DP Activity Grade	Composite Grade
1	Denver Metro	A-	B+	A-	B	A
2	Northeast	B+	B+	C	C	B
3	Northwest	B+	C+	B-	C	B
4	Southeast	C+	C+	C	C	B-
5	Southwest	C+	C	D+	C	C+



# Measuring County Damage Prevention Grades- 2020

COUNTY	Territory	DPC/JUUC	CO811 Liaison	DPC	JUUC	Counties w/ DPC+JUUC	Counties w/ DPC Only	Counties w/ JUUC Only
Arapahoe	Denver Metro	Denver Metro DPC/Arapahoe JUUC	Neely Duran	1	1	1		
Denver	Denver Metro	Denver Metro DPC	3 Counties	0			1	
Jefferson	Denver Metro	Denver Metro DPC		0			1	
Adams	Northeast	Denver Metro DPC/Aurora JUUC	Alicia Hayes	0	1	1		
Broomfield	Northeast		New Hire 2021					
Boulder	Northeast		13 Counties					
Clear Creek	Northeast							
Gilpin	Northeast							
Larimer	Northeast	Weld DPC		1			1	
Logan	Northeast							
Morgan	Northeast							
Phillips	Northeast							
Sedgwick	Northeast							
Washington	Northeast							
Weld	Northeast	Weld DPC		0			1	
Yuma	Northeast							
Eagle	Northwest	PEG DPC	Sanatam Khalsa	1			1	
Garfield	Northwest	PEG DPC/WS DPC	11 Counties	0			1	
Grand	Northwest							
Jackson	Northwest							
Lake	Northwest							
Mesa	Northwest	Western Slope DPC		1			1	
Moffat	Northwest	Western Slope DPC		0			1	
Pitkin	Northwest	PEG DPC		0			1	
Rio Blanco	Northwest	Western Slope DPC		0			1	
Routt	Northwest	Western Slope DPC		0			1	
Summit	Northwest			0				
Baca	Southeast		Todd Griffith					
Bent	Southeast		19 Counties					
Chaffee	Southeast							
Cheyenne	Southeast							
Crowley	Southeast							
Custer	Southeast							
Douglas	Southeast	Douglas DPC/Aurora JUUC		1	0	1		
El Paso	Southeast	El Paso DPC		1			1	
Elbert	Southeast							
Fremont	Southeast	Fremont JUUC			1			1
Kiowa	Southeast							
Kit Carson	Southeast							
Las Animas	Southeast							
Lincoln	Southeast							
Otero	Southeast							
Park	Southeast							
Prowers	Southeast							
Pueblo	Southeast	Pueblo JUUC			1			1
Teller	Southeast							
Alamosa	Southwest	San Luis Valley DPC	David Waller	1			1	
Archuleta	Southwest	4 Corners DPC/Pagosa Spring JUUC	18 Counties	1	1	1		
Conejos	Southwest	San Luis Valley DPC		0			1	
Costilla	Southwest	San Luis Valley DPC		0			1	
Delta	Southwest	Western Slope DPC		0			1	
Dolores	Southwest	4 Corners DPC/Cortez JUUC		0	1	1		
Gunnison	Southwest							
Hinsdale	Southwest							
Huerfano	Southwest							
La Plata	Southwest	4 Corners DPC/Durango JUUC		0	1	1		
Mineral	Southwest	San Luis Valley DPC		0			1	
Montezuma	Southwest	4 Corners DPC/Cortez JUUC		0	0	1		
Montrose	Southwest	Western Slope DPC/Montrose JUUC		0	1	1		
Ouray	Southwest							
Rio Grande	Southwest	San Luis Valley DPC		0			1	
Saguache	Southwest	San Luis Valley DPC		0			1	
San Juan	Southwest							
San Miguel	Southwest	Telluride JUUC			1			1
Grand Total		30 Counties with DPC/JUUC 8 DPCs and 9 JUUCs	5 DP Liaisons	8	9	8	19	3
						LEGEND: 0= Previously Counted 1= County has DPC/JUUC 1= 2020 - 4 New JUUCs		
						30	Total Counties	

## Measuring County Damage Prevention Grades- 2020

2017 Sorted Report Card List				
County	Public Awareness Grade	Damage Grade	Reporting Grade	Composite Grade
	2nd Sort	3rd Sort	4th Sort	1st Sort
Weld	A	B+	A	A
Jefferson	A-	B+	A+	A
Douglas	A	B+	B	A-
Larimer	A-	B+	A	A-
Adams	A-	B+	A-	A-
Denver	A-	B+	A-	A-
Boulder	A	B+	B+	A-
Arapahoe	A-	B	A+	A-
El Paso	A	B-	A+	A-
Rio Blanco	A+	A-	D+	B+
Summit	A	A-	C	B+
Grand	B	C+	A	B+
Broomfield	A	A	D-	B
Teller	A-	B	D+	B
La Plata	B+	B	C-	B
Pitkin	B+	C	B	B
Mineral	B+	D+	A	B
Las Animas	B	B+	C+	B
Elbert	B	B+	D+	B
Dolores	C+	B	A	B
Jackson	C	A+	A	B
Mesa	B	A	D	B-
Gilpin	B	C+	D	B-
Delta	B-	B+	C	B-
Pueblo	C+	B+	C+	B-
Morgan	C+	B+	C-	B-
Gunnison	C+	C+	C+	B-
Routt	C+	C	B-	B-
Lincoln	C	B	A	B-
Eagle	C	C	B+	B-
Cheyenne	C	C+	A	B-
Prowers	C-	B-	A	B-
Chaffee	C+	A	D	C+
Logan	C+	A-	F	C+
Garfield	C+	B-	D+	C+
Archuleta	C+	B-	D	C+
Montrose	C+	C	C	C+
San Miguel	C+	C+	C+	C+
Ouray	C+	C	D+	C+
Rio Grande	C	A	D	C+
Freemont	C	B+	D+	C+
Clear Creek	C	B+	D-	C+
Huerfano	C	B	C	C+
Yuma	C	B-	C	C+
Montezuma	C	C+	C	C+
Alamosa	C-	A-	D+	C+
Moffat	C-	B	C	C+
Custer	C-	C	A	C+
Saguache	D+	C+	A	C+
San Juan	F	A+	A	C+
Washington	C	B	F	C
Otero	C	B-	D	C
Park	C	C+	D	C
Kit Carson	C-	B	D	C
Sedgwick	C	B-	D	C
Conejos	D+	D+	A	C
Lake	D	C-	A	C
Hinsdale	D	D+	A	C
Phillips	D+	C	D+	C-
Bent	D+	C-	C	C-
Kiowa	D+	C-	D	C-
Costilla	D+	C	F	D+
Baca	D	C	D	D+
Crowley	D-	C+	D	D+
#-Counties				
13	Active DPC 2004-2007			
7	Active DPC / JUUC 2008-2009			
10	2 DPCs and 1 JUUC added in 2016-2017			

2018 Sorted Report Card List					
County	Public Awareness Grade	Damage Grade	Reporting Grade	Composite Grade	
	2nd Sort	3rd Sort	4th Sort	1st Sort	
Weld	A	B+	A+	A	A
Douglas	A	B+	B	A-	A
Broomfield	A	B+	B-	A-	A
Boulder	A	B	B+	A-	A
Jefferson	A-	B	A	A-	A
Denver	A-	B+	B+	A-	A
Adams	A-	B	A+	A-	A
Larimer	A-	B-	A+	A-	A
Arapahoe	A-	B	B	A-	B
El Paso	A-	C+	A+	A-	B
Rio Blanco	A	B-	C-	B	B
Morgan	A-	B+	D+	B	B
Teller	A-	B-	D+	B	B
Summit	A-	C+	B-	B	B
La Plata	B+	B+	D+	B	B
Mesa	B	B-	B-	B	B
Elbert	B-	B-	B-	B	B
Jackson	C	A+	A	B	B
Montrose	B	C+	C	B-	B
Gunnison	B	C+	D+	B-	B
Grand	B	C	D+	B-	B
Routt	B-	C-	B-	B-	B
Las Animas	C+	B	C+	B-	B
Pueblo	C+	C+	B+	B-	B
Eagle	C+	C	B+	B-	B
Archuleta	B-	C+	D+	C+	B
Clear Creek	B-	C+	D+	C+	B
Delta	B-	C+	D+	C+	B
Cheyenne	B-	C+	F	C+	B
Mineral	B-	C+	F	C+	B
Washington	C+	A-	F	C+	B
Yuma	C+	B	D	C+	B
Sedgewick	C+	B	F	C+	B
San Miguel	C+	C	D+	C+	B
Garfield	C+	C+	C	C+	B
Montezuma	C+	C+	C	C+	B
Chaffee	C+	C+	D+	C+	B
Gilpin	C+	C+	C+	C+	B
Lincoln	C+	C+	D+	C+	B
Pitkin	C+	C	B-	C+	B
Kit Carson	C	B+	D+	C+	B
Logan	C	B	D+	C+	B
Prowers	C	B-	D+	C+	B
Fremont	C	C+	C	C+	B
Ouray	C	C	C	C+	B
Hinsdale	C	D+	A	C+	B
Kiowa	D-	A+	A	C+	B
Rio Grande	C	C	D+	C	B
Alamosa	C	C	D+	C	B
Huerfano	C	C	D+	C	B
Park	C	C	D+	C	B
Dolores	C	D+	C-	C	B
Moffat	C-	B	D	C	B
Saguache	C-	B	D	C	B
Custer	C-	C+	D	C	B
Lake	C-	C	C	C	B
Otero	C-	C+	D	C-	B
Conejos	D+	C	D+	C-	B
Phillips	D+	C	D+	C-	B
Bent	D+	D+	C	C-	B
Baca	D	C+	D	C-	B
San Juan	D	C	F	D+	B
Costilla	D+	C-	F	D+	B
Crowley	D-	C+	D	D+	B
#-Counties					
13	Active DPC 2004-2007				
7	Active DPC /JUUC 2008-2009				
10	2 DPCs and 1 JUUC added in 2016-2017				

2019 Sorted Report Card List					
County	Public Awareness Grade	Damage Grade	Reporting Grade	Composite Grade	
	2nd Sort	3rd Sort	4th Sort	1st Sort	
Weld	A	B+	A	A	
Denver	A	B+	A-	A	
Douglas	A	B	A+	A	
Broomfield	A	B+	B-	A-	
Adams	A-	B	A+	A-	
Jefferson	A-	B	A	A-	
Arapahoe	A-	B	A-	A-	
Boulder	A-	B	B+	A-	
Larimer	A-	B-	A	A-	
Cheyenne	A+	B	D+	B+	
Clear Creek	A	B-	B-	B+	
Summit	A	C+	B-	B+	
El Paso	A-	C+	A+	B+	
Lake	B+	B	B-	B+	
Mesa	B+	B-	B	B+	
Kit Carson	A-	B+	D+	B	
Pio Blanco	A	B+	D	B	
Teller	A-	B	D+	B	
Lincoln	A-	C+	C-	B	
La Platte	B+	B-	C-	B	
Chaffee	B	C	C+	B	
Pueblo	B-	B-	B+	B	
Elbert	B-	B-	B-	B	
Jackson	C+	B-	A	B	
Montezuma	C+	B-	B+	B	
Gilpin	A-	C+	D+	B-	
Grand	A	C+	D+	B-	
Custer	B+	C	D+	B-	
Yuma	B-	B+	D	B-	
Morgan	B-	B-	C+	B-	
Archuleta	B-	C+	C	B-	
Routt	B-	C-	B-	B-	
Eagle	C+	C+	A	B-	
Garfield	C+	C+	B+	B-	
Pitkin	C+	C	B+	B-	
Moffat	C	C+	B+	B-	
Phillips	D+	B	A	B-	
Washington	C+	B	D+	C+	
Conejos	C+	C+	D+	C+	
Gunnison	C+	C+	D+	C+	
Montrose	C+	C+	D+	C+	
Delta	C+	C+	D	C+	
San Miguel	C+	C-	D	C+	
Huerfano	C	C+	C+	C+	
Prowers	C	A	F	C+	
Las Animas	C	B+	C	C+	
Logan	C	B	D+	C+	
Fremont	C	B	C	C+	
Alamosa	C-	C+	C+	C+	
Mineral	D+	C	A	C+	
Kiowa	F	A+	A	C+	
Ouray	C+	C-	D+	C	
Park	C	C+	D+	C	
Rio Grande	C	C-	D+	C	
Dolores	C	D+	D+	C	
Baca	C-	B	D	C	
Saguache	C-	B-	D+	C	
Otero	C	C+	D+	C	
Sedgwick	C	B-	F	C-	
Bent	C-	C+	D	C-	
Hinsdale	C	C-	D	C-	
Crowley	D+	D+	D+	C-	
San Juan	F	D+	A	C+	
Costilla	C	D+	F	D+	
7	3-Active DPC pre-2005				
13	8-Active DPC /JUUC 2005-2009				
10	3-DPC/JUUC added in 2016-2017				

2020 Sorted Report Card List					
County	Public Awareness Grade	Damage Grade	Reporting Grade	Composite Grade	
	2nd Sort	3rd Sort	4th Sort	1st Sort	
Adams	A	A-	A	A	
Denver	A	A-	A-	A	
Douglas	A	B+	A	A	
Larimer	A	B+	A-	A	
Broomfield	A	A-	B-	A-	
Weld	A	B+	B	A-	
Jefferson	A-	B+	A	A-	
Arapahoe	A-	B+	A-	A-	
El Paso	A	B-	A+	A	
Mesa	B+	B	A	A-	
Clear Creek	A	A	C+	B+	
Grand	A	B+	C+	B+	
Lake	A	B+	C+	B+	
Summit	A	B	B-	B+	
Boulder	A-	B+	B-	B+	
Elbert	A-	B	C+	B+	
Routt	A-	C	B+	B+	
Cheyenne	A	C+	D+	B	
Otero	A-	B+	C+	B	
Rio Blanco	A	B	D+	B	
Archuleta	A-	C	C	B	
La Plata	B+	B-	C	B	
Gilpin	B+	B-	D+	B	
San Miguel	B+	C+	C	B	
Pueblo	B	B	C+	B	
Chaffee	B	C+	B	B	
Morgan	B	B+	B	B	
Eagle	B-	C+	A	B	
Baca	C-	A+	A	B	
Teller	A-	C	D+	B-	
Ouray	A-	D+	D+	B-	
Montrose	B	C+	D+	B-	
Logan	B-	A	D+	B-	
Fremont	C	C+	B	B-	
Montezuma	C+	B+	B-	B-	
Garfield	C+	C+	B+	B-	
Pitkin	C+	C+	B	B-	
Moffat	C+	C	B	B-	
Gunnison	B-	C+	D+	C+	
Las Animas	C	A	D	C+	
Saguache	C	A-	D	C+	
Custer	C+	B+	F	C+	
Alamosa	C+	B	D+	C+	
Yuma	C+	B	D	C+	
Kit Carson	C+	B-	D+	C+	
Delta	C+	C+	C	C+	
Park	C+	C	C	C+	
Washington	C	B+	F	C	
Conejos	C	B	F	C	
Huerfano	C	C+	D+	C	
Lincoln	C	C+	D+	C	
Mineral	C	C+	F	C	
Rio Grande	C	C	D+	C	
Bent	C-	B+	D	C	
Phillips	C-	B+	F	C	
Prowers	C-	C+	C-	C	
Dolores	C	C-	D	C-	
Costilla	C	D-	D+	C-	
Hinsdale	C-	C	F	C-	
Crowley	D	C	D+	C-	
Sedgwick	D+	C	F	D+	
Jackson	D	C+	F	D+	
Kiowa	D	D+	D+	D+	
San Juan	F	C-	F	D	
6	3-Active DPC pre-2005				
13	8-Active DPC /JUUC 2005-2009				
10	3-DPC/JUUC added in 2016-2017				
1	1-County with JUUCadded in 2020				

Table-K – County DP Report Card Summary – 2017-2020

Table-K above provides a listing of the four County Report Card Grades for each of the 64 Colorado counties from 2017-2020. The counties in each year are sorted in the following order: 1<sup>st</sup> by Composite Grade, 2<sup>nd</sup> by Public Awareness Grade, 3<sup>rd</sup> by Damage Grade, and 4<sup>th</sup> by Reporting Grade. Listed at the bottom of the table for each year is a color chart with the number of counties in Colorado represented by a Damage Prevention Council (DPC) or Joint Underground Utilities Commission (JUUC) and the year the DPC/JUUC became active. There were 30 counties represented by eight DPCs and nine JUUCs in 2020. Between 2010 and 2015 no new DPCs/JUUCs were added and several existing DPCs were either reorganized or disbanded due to inactivity. In 2016 and 2017, two DPCs and one JUUC were formed and included coverage for 10 additional counties. In 2020, one county was added with coverage and 4 JUUCs were formed: 3 in counties with an existing DPC.

## Measuring County Damage Prevention Grades- 2020

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Damage Prevention Composite Grade													COUNT
Demonstrates Improvement in Damage Prevention Since 2008													2020
B+	B+	A-	A-	A-	A-	A-	A-	A-	A	A	A	A	4 (+1)
B	B	B+	B+	B+	B+	B+	B+	A-	A-	A-	A-	A-	6 (0)
B-	B-	B-	B	B	B	B	B	B+	B+	B+	B+	B+	7 (+1)
C+	C+	C+	C+	C+	C+	C+	C+	B-	B-	B-	B	B	12 (+2)
C	C	C	C	C	C	C	C	C+	C+	C+	B-	B-	9 (-3)
C-	C-	C-	C-	C-	C-	C-	C-	C	C	C	C+	C+	9 (-5)
D+	D+	D+	D+	D+	D+	D+	D+	C	C	C	C	C	9 (+2)
D	D	D	D	D	D	D	D	C-	C-	C-	C-	C-	4 (-1)
D-	D-	D-	D-	D-	D-	D-	D-	D+	D+	D+	D+	D+	3 (+2)
													1 (+1)

Table-L – County DP Report Card Grading Matrix – 2008-2020

Table-L depicts the Colorado County Grading Matrix for the Composite Grade from 2008 through 2020.

Note how the counties show progressive improvement over the years with the addition of more counties receiving grades of A, A-, B+, B, and B- and fewer counties receiving grades of C+, C, C-, D+, D, and D-. In 2008, only 39 (of the 64) counties earned a Composite Grade above a C-, while in 2020, 56 counties earned a Composite Grade above a C-. In 2008, only five counties earned a B+, the highest Composite Grade. But in 2020, ten counties earned an A or A-, with four counties receiving an A. In 2019, only nine counties received an A or A-.

Congratulations to the Weld County and Jefferson County DPCs for receiving the first Composite Grades of A in 2017. Adams, Denver, Douglas and Larimer Counties also received a Composite Grade of A in 2020.

# Measuring County Damage Prevention Grades- 2020

Table-M – County Damage Prevention Councils and Share of Coverage – 2019

DPCs/JUUCs Per CO811 in December 2020	County Coverage	Territory Coverage	%Incoming Notifications County	%Adj DIRT Damages County	%Population County	Population Share for DPC/JUUC	Year DPC/JUUC Active	CO811 DP Liaison
Weld County DPC	Weld	Northeast	9.5%	6.5%	5.7%		pre 2005	Hayes
	Larimer	Northeast	7.7%	5.4%	6.2%	11.9%	2016	Hayes
Denver Metro DPC	Denver	Denver Metro	10.8%	7.8%	12.4%		pre 2005 / 2020	Duran
/ Arapahoe JUUC 2020	Arapahoe	Denver Metro	9.2%	8.8%	11.3%		pre 2005 / 2020	Duran
/ Aurora JUUC 2020	Adams	Northeast	8.8%	5.6%	9.0%		pre 2005 / 2020	Duran
	Jefferson	Denver Metro	7.3%	6.4%	10.1%	42.8%	pre 2005 / 2020	Duran
El Paso County DPC	El Paso	Southeast	13.3%	21.9%	12.7%	12.7%	pre 2005	Griffeth
Pueblo County JUUC	Pueblo	Southeast	1.9%	2.0%	2.9%	2.9%	2009	Griffeth
Fremont County JUUC	Fremont	Southeast	0.5%	0.7%	0.8%	0.8%	2009	Griffeth
Douglas County DPC / Aurora JUUC 2020	Douglas	Southeast	8.3%	7.1%	6.2%	6.2%	2017 / 2020	Griffeth
Western Slope DPC	Mesa	Northwest	2.1%	2.1%	2.7%		2007	Khalsa
/ Montrose JUUC	Montrose	Southwest	0.7%	1.4%	0.7%		2007	Khalsa
	Delta	Southwest	0.4%	0.9%	0.5%		2007	Khalsa
	Rio Blanco	Northwest	0.2%	0.2%	0.1%		2007	Khalsa
	Moffat	Northwest	0.2%	0.5%	0.2%		2008	Khalsa
	Routt	Northwest	0.8%	2.1%	0.4%		2008	Khalsa
	Garfield	Northwest	0.8%	1.1%	1.1%	5.8%	2008	Khalsa
PEG DPC	Pitkin	Northwest	0.3%	0.6%	0.3%		2008	Khalsa
	Eagle	Northwest	0.8%	1.6%	1.0%		2008	Khalsa
	Garfield	Northwest	0.8%	1.1%	1.1%	2.3%	2008	Khalsa
4 Corners DPC / Durango JUUC	La Plata	Southwest	0.9%	1.1%	1.0%		2005	Waller
/ Cortez JUUC	Dolores	Southwest	0.0%	0.1%	0.0%		2016	Waller
/ Cortez JUUC	Montezuma	Southwest	0.4%	0.4%	0.4%		2005	Waller
/ Pagosa Spring JUUC	Archuleta	Southwest	0.3%	0.6%	0.2%	1.7%	2016	Waller
San Luis Valley DPC	Alamosa	Southwest	0.2%	0.2%	0.3%		2016	Waller
	Mineral	Southwest	0.0%	0.0%	0.0%		2016	Waller
	Conejos	Southwest	0.1%	0.1%	0.1%		2016	Waller
	Costilla	Southwest	0.1%	0.7%	0.1%		2016	Waller
	Rio Grande	Southwest	0.1%	0.3%	0.2%		2016	Waller
	Saguache	Southwest	0.1%	0.0%	0.1%	0.8%	2016	Waller
Telluride JUUC 2020	San Miguel	Southwest	0.2%	0.3%	0.1%	0.1%	2020	Waller

17	30	5	86.8%	87.7%	88.1%	88.1%	TOTAL
#-DPC/JUUC	#-Counties with	#-Territories					

DPC/JUUC Coverage

Eight Damage Prevention Councils (DPC) and nine Joint Underground Utilities Commissions (JUUC) were active in 2020 and provided coverage in 30 counties as detailed above in Table-M. These 17 councils and committees provide coverage for **88.1%** of the state's population while the counties they represent account for **86.8%** of the incoming notifications requested by excavators and **87.7%** of the damages submitted to DIRT by facility owners.

# Colorado County Damage Prevention Report Cards- 2020

## APPENDIX C-5 COLORADO TERRITORY DAMAGE PREVENTION REPORT CARDS – 2020

### 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020			
Territory	Denver Metro	Note: Colorado has 5 Territories and 64 Counties		
	1			
Grading Area	Grade	Average Score	Rank of 5	Weight
Public Awareness Metric:	A-	0.915	1	50%
Damage Prevention Metric:	B+	1.199	1	25%
DIRT Reporting Metric:	A-	3.750	1	25%
Damage Prevention Activity:	B	9.667	1	Not Weighted in 2020 0%
County Composite Grade:	A	3.681	1	Excludes DP Activity 100%

### Report Card Metrics

Demographic Data	Territory Value	% of State	State Value	Rank of 5
Population:	1,955,458	33.81%	5,782,915	1
Pop Density per SqMile:	2,091.3		55.7	
Housing Permits:	11,336	28.01%	40,469	3
Net Migration:	1,582	5.79%	27,341	4

One-Call Data	Territory Value	% of State	State Value	Rank of 5
Incoming Notifications:	287,647	27.33%	1,052,358	2
Adjusted Facility Damages:	741	22.99%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications	229	27.52%	832	
Natural Gas	232	16.65%	1,393	
Electric	81	21.15%	383	
CableTV	145	34.77%	417	
Water	38	27.74%	137	
Sewer	1	11.11%	9	
Pipeline	15	37.50%	40	
Other	0	0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020	Note: Colorado has 5 Territories and 64 Counties		
Territory	Northeast			
	2			
Grading Area	Grade	Average Score	Rank of 5	Weight
Public Awareness Metric:	B+	0.870	3	50%
Damage Prevention Metric:	B+	1.618	2	25%
DIRT Reporting Metric:	C	2.000	4	25%
Damage Prevention Activity:	C	5.571	3	Not Weighted in 2020 0%
County Composite Grade:	B	2.917	3	Excludes DP Activity 100%

### Report Card Metrics

Demographic Data	Territory Value	% of State	State Value	Rank of 5
Population:	1,703,748	29.46%	5,782,915	2
Pop Density per SqMile:	268.5		55.7	
Housing Permits:	13,127	32.44%	40,469	1
Net Migration:	11,897	43.51%	27,341	1
One-Call Data	Territory Value	% of State	State Value	Rank of 5
Incoming Notifications:	360,262	34.23%	1,052,358	1
Adjusted Facility Damages:	740	22.96%	3,223	3
Non-Adjusted DIRT Damages:				
Telecommunications	226	27.16%	832	
Natural Gas	292	20.96%	1,393	
Electric	74	19.32%	383	
CableTV	114	27.34%	417	
Water	10	7.30%	137	
Sewer	0	0.00%	9	
Pipeline	20	50.00%	40	
Other	4	33.33%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020	Note: Colorado has 5 Territories and 64 Counties		
Territory	Northwest			
	3			
Grading Area	Grade	Average Score	Rank of 5	Weight
Public Awareness Metric:	B+	0.870	2	50%
Damage Prevention Metric:	C+	3.575	3	25%
DIRT Reporting Metric:	B-	2.682	2	25%
Damage Prevention Activity:	C	4.727	4	Not Weighted in 2020 0%
County Composite Grade:	B	2.932	2	Excludes DP Activity 100%

### Report Card Metrics

Demographic Data	Territory Value	% of State	State Value	Rank of 5
Population:	390,790	6.76%	5,782,915	4
Pop Density per SqMile:	19.5		55.7	
Housing Permits:	2,733	6.75%	40,469	4
Net Migration:	1,846	6.75%	27,341	3
One-Call Data	Territory Value	% of State	State Value	Rank of 5
Incoming Notifications:	73,889	7.02%	1,052,358	4
Adjusted Facility Damages:	311	9.65%	3,223	4
Non-Adjusted DIRT Damages:				
Telecommunications	61	7.33%	832	
Natural Gas	160	11.49%	1,393	
Electric	53	13.84%	383	
CableTV	17	4.08%	417	
Water	15	10.95%	137	
Sewer	3	33.33%	9	
Pipeline	0	0.00%	40	
Other	2	16.67%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020	Note: Colorado has 5 Territories and 64 Counties		
Territory	Southeast			
	4			
Grading Area	Grade	Average Score	Rank of 5	Weight
Public Awareness Metric:	C+	0.839	4	50%
Damage Prevention Metric:	C+	4.130	4	25%
DIRT Reporting Metric:	C	2.046	3	25%
Damage Prevention Activity:	C	6.600	2	Not Weighted in 2020 0%
County Composite Grade:	B-	2.579	4	Excludes DP Activity 100%

### Report Card Metrics

Demographic Data	Territory Value	% of State	State Value	Rank of 5
Population:	1,477,718	25.55%	5,782,915	3
Pop Density per SqMile:	53.3		55.7	
Housing Permits:	11,903	29.41%	40,469	2
Net Migration:	11,187	40.92%	27,341	2
One-Call Data	Territory Value	% of State	State Value	Rank of 5
Incoming Notifications:	285,589	27.14%	1,052,358	3
Adjusted Facility Damages:	1,174	36.43%	3,223	1
Non-Adjusted DIRT Damages:				
Telecommunications	216	25.96%	832	
Natural Gas	576	41.35%	1,393	
Electric	172	44.91%	383	
CableTV	141	33.81%	417	
Water	54	39.42%	137	
Sewer	4	44.44%	9	
Pipeline	5	12.50%	40	
Other	6	50.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020	Note: Colorado has 5 Territories and 64 Counties		
Territory	Southwest			
	5			
Grading Area	Grade	Average Score	Rank of 5	Weight
Public Awareness Metric:	C+	0.825	5	50%
Damage Prevention Metric:	C	6.539	5	25%
DIRT Reporting Metric:	D+	1.285	5	25%
Damage Prevention Activity:	C	4.467	5	Not Weighted in 2020 0%
County Composite Grade:	C+	2.220	5	Excludes DP Activity 100%

### Report Card Metrics

Demographic Data	Territory Value	% of State	State Value	Rank of 5
Population:	255,201	4.41%	5,782,915	5
Pop Density per SqMile:	9.9		55.7	
Housing Permits:	1,370	3.39%	40,469	5
Net Migration:	829	3.03%	27,341	5
One-Call Data	Territory Value	% of State	State Value	Rank of 5
Incoming Notifications:	44,971	4.27%	1,052,358	5
Adjusted Facility Damages:	257	7.97%	3,223	5
Non-Adjusted DIRT Damages:				
Telecommunications	100	12.02%	832	
Natural Gas	133	9.55%	1,393	
Electric	3	0.78%	383	
CableTV	0	0.00%	417	
Water	20	14.60%	137	
Sewer	1	11.11%	9	
Pipeline	0	0.00%	40	
Other	0	0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## APPENDIX D-64 COLORADO COUNTY DAMAGE PREVENTION REPORT CARDS – 2020

### 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card© is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Adams

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.919	12	50%
Damage Prevention Metric:	A-	1.000	8	25%
DIRT Reporting Metric:	A	3.875	5	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A	3.792	1	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	520,070	8.99%	5,782,915	5
Pop Density per SqMile:	445		56	
Housing Permits:	4,027	9.95%	40,469	5
Net Migration:	185	0.68%	27,341	18

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	93,028	8.84%	1,052,358	5
Adjusted Facility Damages:	180	5.58%	3,223	58
Non-Adjusted DIRT Damages:				
Telecommunications	43	5.17%	832	
Natural Gas	65	4.67%	1,393	
Electric	28	7.31%	383	
CableTV	29	6.95%	417	
Water	7	5.11%	137	
Sewer		0.00%	9	
Pipeline	7	17.50%	40	
Other	1	8.33%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Alamosa

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.828	42	50%
Damage Prevention Metric:	B	2.267	30	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	B	3.000	27	Not Weighted in 2020 0%
County Composite Grade:	C+	2.417	39	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	16,330	0.28%	5,782,915	31
Pop Density per SqMile:	23		56	
Housing Permits:	62	0.15%	40,469	33
Net Migration:	55	0.20%	27,341	26
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	2,278	0.22%	1,052,358	37
Adjusted Facility Damages:	7	0.22%	3,223	27
Non-Adjusted DIRT Damages:				
Telecommunications	3	0.36%	832	
Natural Gas	4	0.29%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Arapahoe

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.912	14	50%
Damage Prevention Metric:	B+	1.404	20	25%
DIRT Reporting Metric:	A-	3.625	8	25%
Damage Prevention Activity Metric:	A	9.000	10	Not Weighted in 2020 0%
County Composite Grade:	A-	3.625	7	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	655,044	11.33%	5,782,915	3
Pop Density per SqMile:	821		56	
Housing Permits:	4,116	10.17%	40,469	4
Net Migration:	(1,724)	-6.31%	27,341	64

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	97,260	9.24%	1,052,358	4
Adjusted Facility Damages:	283	8.78%	3,223	63
Non-Adjusted DIRT Damages:				
Telecommunications	79	9.50%	832	
Natural Gas	92	6.60%	1,393	
Electric	37	9.66%	383	
CableTV	62	14.87%	417	
Water	4	2.92%	137	
Sewer		0.00%	9	
Pipeline	9	22.50%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Archuleta

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.877	22	50%
Damage Prevention Metric:	C+	4.349	44	25%
DIRT Reporting Metric:	C	2.000	28	25%
Damage Prevention Activity Metric:	A	11.000	1	Not Weighted in 2020 0%
County Composite Grade:	B	3.000	25	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	13,367	0.23%	5,782,915	34
Pop Density per SqMile:	10		56	
Housing Permits:	153	0.38%	40,469	25
Net Migration:	181	0.66%	27,341	19
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,353	0.32%	1,052,358	30
Adjusted Facility Damages:	18	0.56%	3,223	37
Non-Adjusted DIRT Damages:				
Telecommunications	4	0.48%	832	
Natural Gas	6	0.43%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	8	5.84%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Baca

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C-	0.788	55	50%
Damage Prevention Metric:	A+	0.000	1	25%
DIRT Reporting Metric:	A	4.000	2	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B	2.875	28	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	3,478	0.06%	5,782,915	56
Pop Density per SqMile:	1		56	
Housing Permits:	2	0.00%	40,469	62
Net Migration:	(59)	-0.22%	27,341	51
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	601	0.06%	1,052,358	55
Adjusted Facility Damages:	NoDamages	0.00%	3,223	1
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Bent

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C-	0.783	56	50%
Damage Prevention Metric:	B+	1.159	12	25%
DIRT Reporting Metric:	D	1.000	51	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C	2.083	48	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	5,585	0.10%	5,782,915	50
Pop Density per SqMile:	4		56	
Housing Permits:	5	0.01%	40,469	58
Net Migration:	(367)	-1.34%	27,341	62

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	772	0.07%	1,052,358	53
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas	1	0.07%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Boulder

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.907	16	50%
Damage Prevention Metric:	B+	1.079	9	25%
DIRT Reporting Metric:	B-	2.750	18	25%
Damage Prevention Activity Metric:	A	4.000	23	Not Weighted in 2020 0%
County Composite Grade:	B+	3.417	12	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	330,860	5.72%	5,782,915	9
Pop Density per SqMile:	456		56	
Housing Permits:	1,634	4.04%	40,469	9
Net Migration:	1,566	5.73%	27,341	7

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	52,052	4.95%	1,052,358	9
Adjusted Facility Damages:	109	3.38%	3,223	56
Non-Adjusted DIRT Damages:				
Telecommunications	31	3.73%	832	
Natural Gas	34	2.44%	1,393	
Electric	15	3.92%	383	
CableTV	29	6.95%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Broomfield

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.946	1	50%
Damage Prevention Metric:	A-	0.932	7	25%
DIRT Reporting Metric:	B-	2.750	18	25%
Damage Prevention Activity Metric:	C	2.000	32	Not Weighted in 2020 0%
County Composite Grade:	A-	3.542	9	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	74,470	1.29%	5,782,915	12
Pop Density per SqMile:	2,255		56	
Housing Permits:	427	1.06%	40,469	12
Net Migration:	1,591	5.82%	27,341	6

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	17,664	1.68%	1,052,358	12
Adjusted Facility Damages:	38	1.18%	3,223	49
Non-Adjusted DIRT Damages:				
Telecommunications	12	1.44%	832	
Natural Gas	13	0.93%	1,393	
Electric	3	0.78%	383	
CableTV	10	2.40%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Chaffee

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B	0.859	28	50%
Damage Prevention Metric:	C+	3.093	36	25%
DIRT Reporting Metric:	B	3.000	13	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	B	3.000	20	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	19,515	0.34%	5,782,915	26
Pop Density per SqMile:	19		56	
Housing Permits:	186	0.46%	40,469	22
Net Migration:	198	0.72%	27,341	17
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,645	0.35%	1,052,358	29
Adjusted Facility Damages:	15	0.47%	3,223	35
Non-Adjusted DIRT Damages:				
Telecommunications	5	0.60%	832	
Natural Gas	7	0.50%	1,393	
Electric	2	0.52%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Cheyenne

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.945	2	50%
Damage Prevention Metric:	C+	3.451	40	25%
DIRT Reporting Metric:	D+	1.250	50	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B	2.917	26	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	1,741	0.03%	5,782,915	59
Pop Density per SqMile:	1		56	
Housing Permits:	6	0.01%	40,469	54
Net Migration:	(36)	-0.13%	27,341	49

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,153	0.11%	1,052,358	48
Adjusted Facility Damages:	4	0.12%	3,223	15
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas	3	0.22%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline	1	2.50%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Clear Creek

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.921	11	50%
Damage Prevention Metric:	A-	0.879	5	25%
DIRT Reporting Metric:	C+	2.375	23	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B+	3.458	11	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	9,387	0.16%	5,782,915	39
Pop Density per SqMile:	24		56	
Housing Permits:	94	0.23%	40,469	29
Net Migration:	(21)	-0.08%	27,341	46

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,339	0.32%	1,052,358	31
Adjusted Facility Damages:	4	0.12%	3,223	15
Non-Adjusted DIRT Damages:				
Telecommunications	2	0.24%	832	
Natural Gas	1	0.07%	1,393	
Electric	1	0.26%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Conejos

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.809	48	50%
Damage Prevention Metric:	B	2.222	29	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	B	3.000	27	Not Weighted in 2020 0%
County Composite Grade:	C	2.000	52	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	7,439	0.13%	5,782,915	41
Pop Density per SqMile:	6		56	
Housing Permits:	36	0.09%	40,469	37
Net Migration:	(100)	-0.37%	27,341	54

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,157	0.11%	1,052,358	47
Adjusted Facility Damages:	3	0.09%	3,223	13
Non-Adjusted DIRT Damages:				
Telecommunications	3	0.36%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Costilla

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.799	52	50%
Damage Prevention Metric:	D-	31.091	64	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	B	3.000	27	Not Weighted in 2020 0%
County Composite Grade:	C-	1.667	57	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	3,485	0.06%	5,782,915	55
Pop Density per SqMile:	3		56	
Housing Permits:	0	0.00%	40,469	63
Net Migration:	(6)	-0.02%	27,341	42

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	619	0.06%	1,052,358	54
Adjusted Facility Damages:	21	0.65%	3,223	41
Non-Adjusted DIRT Damages:				
Telecommunications	20	2.40%	832	
Natural Gas	1	0.07%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Crowley

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	D	0.740	61	50%
Damage Prevention Metric:	C	6.539	57	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C-	1.500	60	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	5,843	0.10%	5,782,915	47
Pop Density per SqMile:	7		56	
Housing Permits:	12	0.03%	40,469	46
Net Migration:	37	0.14%	27,341	29
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	511	0.05%	1,052,358	57
Adjusted Facility Damages:	4	0.12%	3,223	15
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	3	0.22%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Custer

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.842	36	50%
Damage Prevention Metric:	B+	1.610	22	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C+	2.250	47	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	4,711	0.08%	5,782,915	53
Pop Density per SqMile:	6		56	
Housing Permits:	118	0.29%	40,469	27
Net Migration:	74	0.27%	27,341	23
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,054	0.10%	1,052,358	51
Adjusted Facility Damages:	2	0.06%	3,223	11
Non-Adjusted DIRT Damages:				
Telecommunications	2	0.24%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Delta

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.846	35	50%
Damage Prevention Metric:	C+	4.593	47	25%
DIRT Reporting Metric:	C	2.000	28	25%
Damage Prevention Activity Metric:	A	5.000	20	Not Weighted in 2020 0%
County Composite Grade:	C+	2.417	41	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	31,160	0.54%	5,782,915	18
Pop Density per SqMile:	27		56	
Housing Permits:	73	0.18%	40,469	30
Net Migration:	62	0.23%	27,341	24

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	4,555	0.43%	1,052,358	25
Adjusted Facility Damages:	29	0.90%	3,223	46
Non-Adjusted DIRT Damages:				
Telecommunications	2	0.24%	832	
Natural Gas	26	1.87%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Denver

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.931	7	50%
Damage Prevention Metric:	A-	0.899	6	25%
DIRT Reporting Metric:	A-	3.625	8	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A	3.750	3	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	717,632	12.41%	5,782,915	2
Pop Density per SqMile:	4,690		56	
Housing Permits:	5,059	12.50%	40,469	2
Net Migration:	3,914	14.32%	27,341	3

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	113,306	10.77%	1,052,358	2
Adjusted Facility Damages:	253	7.85%	3,223	62
Non-Adjusted DIRT Damages:				
Telecommunications	84	10.10%	832	
Natural Gas	87	6.25%	1,393	
Electric	22	5.74%	383	
CableTV	24	5.76%	417	
Water	30	21.90%	137	
Sewer		0.00%	9	
Pipeline	6	15.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Dolores

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.791	54	50%
Damage Prevention Metric:	C-	9.459	60	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	A	5.000	20	Not Weighted in 2020 0%
County Composite Grade:	C-	1.667	57	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	2,080	0.04%	5,782,915	58
Pop Density per SqMile:	2		56	
Housing Permits:	6	0.01%	40,469	54
Net Migration:	7	0.03%	27,341	35
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	400	0.04%	1,052,358	58
Adjusted Facility Damages:	4	0.12%	3,223	15
Non-Adjusted DIRT Damages:				
Telecommunications	4	0.48%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Douglas

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.941	4	50%
Damage Prevention Metric:	B+	1.350	19	25%
DIRT Reporting Metric:	A	3.875	5	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A	3.750	2	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	360,037	6.23%	5,782,915	6
Pop Density per SqMile:	428		56	
Housing Permits:	3,370	8.33%	40,469	6
Net Migration:	6,997	25.59%	27,341	1

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	87,650	8.33%	1,052,358	6
Adjusted Facility Damages:	228	7.07%	3,223	61
Non-Adjusted DIRT Damages:				
Telecommunications	77	9.25%	832	
Natural Gas	96	6.89%	1,393	
Electric	36	9.40%	383	
CableTV	16	3.84%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline	1	2.50%	40	
Other	1	8.33%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Eagle

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B-	0.856	31	50%
Damage Prevention Metric:	C+	4.515	46	25%
DIRT Reporting Metric:	A	4.000	2	25%
Damage Prevention Activity Metric:	A	8.000	12	Not Weighted in 2020 0%
County Composite Grade:	B	3.000	20	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	55,624	0.96%	5,782,915	15
Pop Density per SqMile:	33		56	
Housing Permits:	403	1.00%	40,469	13
Net Migration:	447	1.63%	27,341	13
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	8,122	0.77%	1,052,358	16
Adjusted Facility Damages:	52	1.61%	3,223	51
Non-Adjusted DIRT Damages:				
Telecommunications	12	1.44%	832	
Natural Gas	32	2.30%	1,393	
Electric	5	1.31%	383	
CableTV	1	0.24%	417	
Water	1	0.73%	137	
Sewer	1	11.11%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	El Paso

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.924	8	50%
Damage Prevention Metric:	B-	2.684	32	25%
DIRT Reporting Metric:	A+	4.500	1	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A-	3.625	6	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	731,641	12.65%	5,782,915	1
Pop Density per SqMile:	344		56	
Housing Permits:	6,819	16.85%	40,469	1
Net Migration:	2,133	7.80%	27,341	5

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	139,840	13.29%	1,052,358	1
Adjusted Facility Damages:	705	21.87%	3,223	64
Non-Adjusted DIRT Damages:				
Telecommunications	42	5.05%	832	
Natural Gas	354	25.41%	1,393	
Electric	127	33.16%	383	
CableTV	125	29.98%	417	
Water	48	35.04%	137	
Sewer	4	44.44%	9	
Pipeline	3	7.50%	40	
Other	2	16.67%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Elbert

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.885	21	50%
Damage Prevention Metric:	B	2.213	28	25%
DIRT Reporting Metric:	C+	2.375	23	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B+	3.250	16	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	26,188	0.45%	5,782,915	21
Pop Density per SqMile:	14		56	
Housing Permits:	296	0.73%	40,469	16
Net Migration:	450	1.65%	27,341	12

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	6,334	0.60%	1,052,358	20
Adjusted Facility Damages:	18	0.56%	3,223	37
Non-Adjusted DIRT Damages:				
Telecommunications	7	0.84%	832	
Natural Gas	10	0.72%	1,393	
Electric	1	0.26%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Fremont

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.816	44	50%
Damage Prevention Metric:	C+	3.266	37	25%
DIRT Reporting Metric:	B	3.000	13	25%
Damage Prevention Activity Metric:	A	5.000	20	Not Weighted in 2020 0%
County Composite Grade:	B-	2.500	38	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	48,885	0.85%	5,782,915	16
Pop Density per SqMile:	32		56	
Housing Permits:	155	0.38%	40,469	24
Net Migration:	674	2.47%	27,341	11
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	4,771	0.45%	1,052,358	23
Adjusted Facility Damages:	22	0.68%	3,223	43
Non-Adjusted DIRT Damages:				
Telecommunications	10	1.20%	832	
Natural Gas	9	0.65%	1,393	
Electric	1	0.26%	383	
CableTV		0.00%	417	
Water	2	1.46%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Garfield

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.841	37	50%
Damage Prevention Metric:	C+	3.384	38	25%
DIRT Reporting Metric:	B+	3.375	11	25%
Damage Prevention Activity Metric:	A	8.000	12	Not Weighted in 2020 0%
County Composite Grade:	B-	2.750	30	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	61,723	1.07%	5,782,915	13
Pop Density per SqMile:	21		56	
Housing Permits:	334	0.83%	40,469	14
Net Migration:	775	2.83%	27,341	10
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	7,917	0.75%	1,052,358	17
Adjusted Facility Damages:	36	1.12%	3,223	47
Non-Adjusted DIRT Damages:				
Telecommunications	5	0.60%	832	
Natural Gas	21	1.51%	1,393	
Electric	1	0.26%	383	
CableTV	4	0.96%	417	
Water	5	3.65%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Gilpin

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B+	0.869	24	50%
Damage Prevention Metric:	B-	2.680	31	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B	2.833	29	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	5,799	0.10%	5,782,915	48
Pop Density per SqMile:	39		56	
Housing Permits:	20	0.05%	40,469	42
Net Migration:	50	0.18%	27,341	27
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,291	0.12%	1,052,358	44
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	4	0.29%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Grand

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.936	6	50%
Damage Prevention Metric:	B+	1.305	16	25%
DIRT Reporting Metric:	C+	2.375	23	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	B+	3.417	12	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	15,707	0.27%	5,782,915	32
Pop Density per SqMile:	9		56	
Housing Permits:	234	0.58%	40,469	20
Net Migration:	234	0.86%	27,341	16
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	6,942	0.66%	1,052,358	19
Adjusted Facility Damages:	11	0.34%	3,223	31
Non-Adjusted DIRT Damages:				
Telecommunications	3	0.36%	832	
Natural Gas	7	0.50%	1,393	
Electric	1	0.26%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Gunnison

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B-	0.858	30	50%
Damage Prevention Metric:	C+	4.713	48	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	C+	2.417	39	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	16,944	0.29%	5,782,915	30
Pop Density per SqMile:	5		56	
Housing Permits:	228	0.56%	40,469	21
Net Migration:	(38)	-0.14%	27,341	50

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,673	0.35%	1,052,358	28
Adjusted Facility Damages:	20	0.62%	3,223	39
Non-Adjusted DIRT Damages:				
Telecommunications	8	0.96%	832	
Natural Gas	12	0.86%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Hinsdale

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C-	0.775	59	50%
Damage Prevention Metric:	C	5.640	52	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C-	1.583	59	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	795	0.01%	5,782,915	63
Pop Density per SqMile:	1		56	
Housing Permits:	11	0.03%	40,469	48
Net Migration:	3	0.01%	27,341	39

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	180	0.02%	1,052,358	63
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Huerfano

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.815	45	50%
Damage Prevention Metric:	C+	5.272	51	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C	2.083	48	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	6,804	0.12%	5,782,915	44
Pop Density per SqMile:	4		56	
Housing Permits:	43	0.11%	40,469	36
Net Migration:	107	0.39%	27,341	21
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,172	0.11%	1,052,358	46
Adjusted Facility Damages:	7	0.22%	3,223	27
Non-Adjusted DIRT Damages:				
Telecommunications	4	0.48%	832	
Natural Gas		0.00%	1,393	
Electric	3	0.78%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Jackson

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	D	0.732	62	50%
Damage Prevention Metric:	C+	5.044	49	25%
DIRT Reporting Metric:	F	0.250	62	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	D+	1.333	62	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	1,378	0.02%	5,782,915	61
Pop Density per SqMile:	1		56	
Housing Permits:	5	0.01%	40,469	58
Net Migration:	3	0.01%	27,341	39

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	199	0.02%	1,052,358	62
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other	1	8.33%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Jefferson

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.902	18	50%
Damage Prevention Metric:	B+	1.293	15	25%
DIRT Reporting Metric:	A	4.000	2	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A-	3.667	5	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	582,782	10.08%	5,782,915	4
Pop Density per SqMile:	763		56	
Housing Permits:	2,161	5.34%	40,469	8
Net Migration:	(608)	-2.22%	27,341	63

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	77,081	7.32%	1,052,358	8
Adjusted Facility Damages:	205	6.36%	3,223	59
Non-Adjusted DIRT Damages:				
Telecommunications	66	7.93%	832	
Natural Gas	53	3.80%	1,393	
Electric	22	5.74%	383	
CableTV	59	14.15%	417	
Water	4	2.92%	137	
Sewer	1	11.11%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Kiowa

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	D	0.727	63	50%
Damage Prevention Metric:	D	25.022	63	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	D+	1.250	63	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	1,459	0.03%	5,782,915	60
Pop Density per SqMile:	1		56	
Housing Permits:	5	0.01%	40,469	58
Net Migration:	6	0.02%	27,341	36
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	201	0.02%	1,052,358	61
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	3	0.36%	832	
Natural Gas	2	0.14%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Kit Carson

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.837	39	50%
Damage Prevention Metric:	B-	2.996	35	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C+	2.333	42	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	7,078	0.12%	5,782,915	43
Pop Density per SqMile:	3		56	
Housing Permits:	11	0.03%	40,469	48
Net Migration:	(115)	-0.42%	27,341	57

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,510	0.14%	1,052,358	42
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	4	0.29%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	La Plata

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B+	0.868	26	50%
Damage Prevention Metric:	B-	2.825	33	25%
DIRT Reporting Metric:	C	2.000	28	25%
Damage Prevention Activity Metric:	A	6.000	15	Not Weighted in 2020 0%
County Composite Grade:	B	3.000	20	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	55,651	0.96%	5,782,915	14
Pop Density per SqMile:	33		56	
Housing Permits:	253	0.63%	40,469	19
Net Migration:	32	0.12%	27,341	31
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	9,241	0.88%	1,052,358	13
Adjusted Facility Damages:	37	1.15%	3,223	48
Non-Adjusted DIRT Damages:				
Telecommunications	8	0.96%	832	
Natural Gas	20	1.44%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	9	6.57%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Lake

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.940	5	50%
Damage Prevention Metric:	B+	1.153	11	25%
DIRT Reporting Metric:	C+	2.375	23	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	B+	3.417	12	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	7,417	0.13%	5,782,915	42
Pop Density per SqMile:	20		56	
Housing Permits:	53	0.13%	40,469	35
Net Migration:	(186)	-0.68%	27,341	60

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,250	0.31%	1,052,358	32
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	2	0.24%	832	
Natural Gas	2	0.14%	1,393	
Electric	1	0.26%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Larimer

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.924	9	50%
Damage Prevention Metric:	B+	1.278	14	25%
DIRT Reporting Metric:	A-	3.625	8	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A	3.708	4	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	359,701	6.22%	5,782,915	7
Pop Density per SqMile:	139		56	
Housing Permits:	2,565	6.34%	40,469	7
Net Migration:	2,275	8.32%	27,341	4

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	80,737	7.67%	1,052,358	7
Adjusted Facility Damages:	174	5.40%	3,223	57
Non-Adjusted DIRT Damages:				
Telecommunications	65	7.81%	832	
Natural Gas	62	4.45%	1,393	
Electric	13	3.39%	383	
CableTV	31	7.43%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline	2	5.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Las Animas

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.797	53	50%
Damage Prevention Metric:	A	0.481	2	25%
DIRT Reporting Metric:	D	1.000	51	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C+	2.333	44	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	14,560	0.25%	5,782,915	33
Pop Density per SqMile:	3		56	
Housing Permits:	34	0.08%	40,469	38
Net Migration:	5	0.02%	27,341	38

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,894	0.18%	1,052,358	40
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas	1	0.07%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Lincoln

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.814	46	50%
Damage Prevention Metric:	C+	4.410	45	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C	2.083	48	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	5,661	0.10%	5,782,915	49
Pop Density per SqMile:	2		56	
Housing Permits:	9	0.02%	40,469	50
Net Migration:	38	0.14%	27,341	28
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,062	0.10%	1,052,358	50
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	4	0.29%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Logan

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B-	0.852	33	50%
Damage Prevention Metric:	A	0.612	3	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	B-	2.750	30	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	21,408	0.37%	5,782,915	25
Pop Density per SqMile:	12		56	
Housing Permits:	12	0.03%	40,469	46
Net Migration:	(98)	-0.36%	27,341	53

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,901	0.37%	1,052,358	26
Adjusted Facility Damages:	3	0.09%	3,223	13
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	2	0.14%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Mesa

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B+	0.869	25	50%
Damage Prevention Metric:	B	2.088	27	25%
DIRT Reporting Metric:	A	3.875	5	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A-	3.500	10	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	155,910	2.70%	5,782,915	11
Pop Density per SqMile:	47		56	
Housing Permits:	1,004	2.48%	40,469	10
Net Migration:	918	3.36%	27,341	9
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	22,023	2.09%	1,052,358	10
Adjusted Facility Damages:	68	2.11%	3,223	54
Non-Adjusted DIRT Damages:				
Telecommunications	12	1.44%	832	
Natural Gas	42	3.02%	1,393	
Electric	4	1.04%	383	
CableTV		0.00%	417	
Water	8	5.84%	137	
Sewer	1	11.11%	9	
Pipeline		0.00%	40	
Other	1	8.33%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Mineral

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.805	50	50%
Damage Prevention Metric:	C+	4.342	43	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	B	3.000	27	Not Weighted in 2020 0%
County Composite Grade:	C	1.833	56	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	863	0.01%	5,782,915	62
Pop Density per SqMile:	1		56	
Housing Permits:	18	0.04%	40,469	43
Net Migration:	33	0.12%	27,341	30

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	229	0.02%	1,052,358	60
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Moffat

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.829	41	50%
Damage Prevention Metric:	C	6.110	55	25%
DIRT Reporting Metric:	B	3.000	13	25%
Damage Prevention Activity Metric:	A	6.000	15	Not Weighted in 2020 0%
County Composite Grade:	B-	2.583	36	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	13,283	0.23%	5,782,915	35
Pop Density per SqMile:	3		56	
Housing Permits:	17	0.04%	40,469	44
Net Migration:	(103)	-0.38%	27,341	55

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	2,403	0.23%	1,052,358	35
Adjusted Facility Damages:	16	0.50%	3,223	36
Non-Adjusted DIRT Damages:				
Telecommunications	2	0.24%	832	
Natural Gas	8	0.57%	1,393	
Electric	5	1.31%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Montezuma

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.832	40	50%
Damage Prevention Metric:	B-	2.991	34	25%
DIRT Reporting Metric:	B-	2.625	22	25%
Damage Prevention Activity Metric:	A	9.000	10	Not Weighted in 2020 0%
County Composite Grade:	B-	2.667	33	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	25,853	0.45%	5,782,915	22
Pop Density per SqMile:	13		56	
Housing Permits:	27	0.07%	40,469	41
Net Migration:	167	0.61%	27,341	20
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	3,688	0.35%	1,052,358	27
Adjusted Facility Damages:	14	0.43%	3,223	34
Non-Adjusted DIRT Damages:				
Telecommunications	6	0.72%	832	
Natural Gas	6	0.43%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer	1	11.11%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Montrose

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B	0.866	27	50%
Damage Prevention Metric:	C+	4.288	41	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	A	6.000	15	Not Weighted in 2020 0%
County Composite Grade:	B-	2.583	34	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	42,810	0.74%	5,782,915	17
Pop Density per SqMile:	19		56	
Housing Permits:	263	0.65%	40,469	18
Net Migration:	373	1.36%	27,341	14
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	7,720	0.73%	1,052,358	18
Adjusted Facility Damages:	44	1.37%	3,223	50
Non-Adjusted DIRT Damages:				
Telecommunications	10	1.20%	832	
Natural Gas	34	2.44%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Morgan

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B-	0.854	32	50%
Damage Prevention Metric:	B+	1.233	13	25%
DIRT Reporting Metric:	B	3.000	13	25%
Damage Prevention Activity Metric:	C	2.000	32	Not Weighted in 2020 0%
County Composite Grade:	B	3.083	19	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	29,106	0.50%	5,782,915	20
Pop Density per SqMile:	23		56	
Housing Permits:	147	0.36%	40,469	26
Net Migration:	(131)	-0.48%	27,341	58

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	4,785	0.45%	1,052,358	22
Adjusted Facility Damages:	8	0.25%	3,223	29
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	4	0.29%	1,393	
Electric	1	0.26%	383	
CableTV		0.00%	417	
Water	2	1.46%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Otero

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.887	20	50%
Damage Prevention Metric:	B+	1.307	17	25%
DIRT Reporting Metric:	C-	1.625	33	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B	3.167	18	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	18,679	0.32%	5,782,915	27
Pop Density per SqMile:	15		56	
Housing Permits:	6	0.01%	40,469	54
Net Migration:	(17)	-0.06%	27,341	45

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	4,740	0.45%	1,052,358	24
Adjusted Facility Damages:	8	0.25%	3,223	29
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas	7	0.50%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Ouray

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.911	15	50%
Damage Prevention Metric:	D+	11.772	62	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	B-	2.583	36	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	4,880	0.08%	5,782,915	51
Pop Density per SqMile:	9		56	
Housing Permits:	71	0.18%	40,469	32
Net Migration:	(13)	-0.05%	27,341	44

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,877	0.18%	1,052,358	41
Adjusted Facility Damages:	27	0.84%	3,223	44
Non-Adjusted DIRT Damages:				
Telecommunications	12	1.44%	832	
Natural Gas	15	1.08%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Park

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.823	43	50%
Damage Prevention Metric:	C	6.772	59	25%
DIRT Reporting Metric:	C	2.000	28	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C+	2.333	44	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	17,430	0.30%	5,782,915	28
Pop Density per SqMile:	8		56	
Housing Permits:	162	0.40%	40,469	23
Net Migration:	(110)	-0.40%	27,341	56

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	2,572	0.24%	1,052,358	34
Adjusted Facility Damages:	21	0.65%	3,223	41
Non-Adjusted DIRT Damages:				
Telecommunications	9	1.08%	832	
Natural Gas	11	0.79%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Phillips

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C-	0.776	58	50%
Damage Prevention Metric:	B+	1.453	21	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C	1.917	55	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	4,528	0.08%	5,782,915	54
Pop Density per SqMile:	7		56	
Housing Permits:	3	0.01%	40,469	61
Net Migration:	16	0.06%	27,341	34
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	582	0.06%	1,052,358	56
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Pitkin

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.846	34	50%
Damage Prevention Metric:	C+	5.190	50	25%
DIRT Reporting Metric:	B-	2.750	18	25%
Damage Prevention Activity Metric:	A	6.000	15	Not Weighted in 2020 0%
County Composite Grade:	B-	2.583	34	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	17,363	0.30%	5,782,915	29
Pop Density per SqMile:	18		56	
Housing Permits:	72	0.18%	40,469	31
Net Migration:	(137)	-0.50%	27,341	59

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	2,921	0.28%	1,052,358	33
Adjusted Facility Damages:	20	0.62%	3,223	39
Non-Adjusted DIRT Damages:				
Telecommunications	3	0.36%	832	
Natural Gas	11	0.79%	1,393	
Electric	2	0.52%	383	
CableTV	4	0.96%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Prowers

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C-	0.776	57	50%
Damage Prevention Metric:	C+	3.397	39	25%
DIRT Reporting Metric:	C-	1.625	33	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C	2.000	54	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	12,014	0.21%	5,782,915	36
Pop Density per SqMile:	7		56	
Housing Permits:	15	0.04%	40,469	45
Net Migration:	(30)	-0.11%	27,341	48
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,231	0.12%	1,052,358	45
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	1	0.07%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other	3	25.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Pueblo

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B	0.858	29	50%
Damage Prevention Metric:	B	2.055	26	25%
DIRT Reporting Metric:	C+	2.375	23	25%
Damage Prevention Activity Metric:	A	7.000	14	Not Weighted in 2020 0%
County Composite Grade:	B	3.000	20	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	168,434	2.91%	5,782,915	10
Pop Density per SqMile:	71		56	
Housing Permits:	579	1.43%	40,469	11
Net Migration:	1,219	4.46%	27,341	8

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	19,722	1.87%	1,052,358	11
Adjusted Facility Damages:	63	1.95%	3,223	53
Non-Adjusted DIRT Damages:				
Telecommunications	29	3.49%	832	
Natural Gas	29	2.08%	1,393	
Electric	5	1.31%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Rio Blanco

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.890	19	50%
Damage Prevention Metric:	B	2.010	24	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	A	4.000	23	Not Weighted in 2020 0%
County Composite Grade:	B	3.000	20	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	6,532	0.11%	5,782,915	45
Pop Density per SqMile:	2		56	
Housing Permits:	8	0.02%	40,469	51
Net Migration:	(4)	-0.01%	27,341	41

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	2,345	0.22%	1,052,358	36
Adjusted Facility Damages:	5	0.16%	3,223	20
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas	4	0.29%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Rio Grande

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.802	51	50%
Damage Prevention Metric:	C	6.051	54	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	B	3.000	27	Not Weighted in 2020 0%
County Composite Grade:	C	2.000	52	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	11,555	0.20%	5,782,915	37
Pop Density per SqMile:	13		56	
Housing Permits:	31	0.08%	40,469	40
Net Migration:	(10)	-0.04%	27,341	43

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,433	0.14%	1,052,358	43
Adjusted Facility Damages:	11	0.34%	3,223	31
Non-Adjusted DIRT Damages:				
Telecommunications	9	1.08%	832	
Natural Gas	2	0.14%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Routt

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.916	13	50%
Damage Prevention Metric:	C	6.484	56	25%
DIRT Reporting Metric:	B+	3.375	11	25%
Damage Prevention Activity Metric:	A	6.000	15	Not Weighted in 2020 0%
County Composite Grade:	B+	3.250	16	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	24,840	0.43%	5,782,915	23
Pop Density per SqMile:	11		56	
Housing Permits:	285	0.70%	40,469	17
Net Migration:	255	0.93%	27,341	15
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	8,564	0.81%	1,052,358	15
Adjusted Facility Damages:	69	2.14%	3,223	55
Non-Adjusted DIRT Damages:				
Telecommunications	11	1.32%	832	
Natural Gas	24	1.72%	1,393	
Electric	30	7.83%	383	
CableTV	3	0.72%	417	
Water		0.00%	137	
Sewer	1	11.11%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Saguache

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.810	47	50%
Damage Prevention Metric:	A-	0.824	4	25%
DIRT Reporting Metric:	D	1.000	51	25%
Damage Prevention Activity Metric:	A	4.000	23	Not Weighted in 2020 0%
County Composite Grade:	C+	2.292	46	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	6,409	0.11%	5,782,915	46
Pop Density per SqMile:	2		56	
Housing Permits:	54	0.13%	40,469	34
Net Migration:	57	0.21%	27,341	25

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,144	0.11%	1,052,358	49
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas	1	0.07%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	San Juan

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	F	0.692	64	50%
Damage Prevention Metric:	C-	10.683	61	25%
DIRT Reporting Metric:	F	0.375	55	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	D	0.833	64	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	708	0.01%	5,782,915	64
Pop Density per SqMile:	2		56	
Housing Permits:	7	0.02%	40,469	52
Net Migration:	6	0.02%	27,341	36

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	89	0.01%	1,052,358	64
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications	1	0.12%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	San Miguel

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	B+	0.872	23	50%
Damage Prevention Metric:	C+	4.323	42	25%
DIRT Reporting Metric:	C	2.000	28	25%
Damage Prevention Activity Metric:	A	4.000	23	Not Weighted in 2020 0%
County Composite Grade:	B	2.917	26	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	8,068	0.14%	5,782,915	40
Pop Density per SqMile:	6		56	
Housing Permits:	34	0.08%	40,469	38
Net Migration:	(87)	-0.32%	27,341	52

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	2,163	0.21%	1,052,358	38
Adjusted Facility Damages:	11	0.34%	3,223	31
Non-Adjusted DIRT Damages:				
Telecommunications	4	0.48%	832	
Natural Gas	6	0.43%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water	1	0.73%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Sedgwick

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	D+	0.753	60	50%
Damage Prevention Metric:	C	5.698	53	25%
DIRT Reporting Metric:	F	0.250	62	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	D+	1.417	61	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	2,409	0.04%	5,782,915	57
Pop Density per SqMile:	4		56	
Housing Permits:	0	0.00%	40,469	63
Net Migration:	25	0.09%	27,341	32
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	309	0.03%	1,052,358	59
Adjusted Facility Damages:	2	0.06%	3,223	11
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other	2	16.67%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Summit

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.921	10	50%
Damage Prevention Metric:	B	2.036	25	25%
DIRT Reporting Metric:	B-	2.750	18	25%
Damage Prevention Activity Metric:	D	1.000	34	Not Weighted in 2020 0%
County Composite Grade:	B+	3.417	12	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	31,013	0.54%	5,782,915	19
Pop Density per SqMile:	51		56	
Housing Permits:	318	0.79%	40,469	15
Net Migration:	(356)	-1.30%	27,341	61

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	9,203	0.87%	1,052,358	14
Adjusted Facility Damages:	28	0.87%	3,223	45
Non-Adjusted DIRT Damages:				
Telecommunications	10	1.20%	832	
Natural Gas	9	0.65%	1,393	
Electric	4	1.04%	383	
CableTV	5	1.20%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Teller

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A-	0.903	17	50%
Damage Prevention Metric:	C	6.669	58	25%
DIRT Reporting Metric:	D+	1.375	35	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	B-	2.750	30	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	24,779	0.43%	5,782,915	24
Pop Density per SqMile:	44		56	
Housing Permits:	113	0.28%	40,469	28
Net Migration:	90	0.33%	27,341	22
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	6,326	0.60%	1,052,358	21
Adjusted Facility Damages:	62	1.92%	3,223	52
Non-Adjusted DIRT Damages:				
Telecommunications	28	3.37%	832	
Natural Gas	34	2.44%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Washington

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C	0.805	49	50%
Damage Prevention Metric:	B+	1.080	10	25%
DIRT Reporting Metric:	F	0.250	62	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C	2.083	48	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	4,825	0.08%	5,782,915	52
Pop Density per SqMile:	2		56	
Housing Permits:	7	0.02%	40,469	52
Net Migration:	21	0.08%	27,341	33
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	877	0.08%	1,052,358	52
Adjusted Facility Damages:	1	0.03%	3,223	2
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas		0.00%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other	1	8.33%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Weld

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	A	0.942	3	50%
Damage Prevention Metric:	B+	1.335	18	25%
DIRT Reporting Metric:	B	3.000	13	25%
Damage Prevention Activity Metric:	A	10.000	2	Not Weighted in 2020 0%
County Composite Grade:	A-	3.583	8	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	331,184	5.73%	5,782,915	8
Pop Density per SqMile:	83		56	
Housing Permits:	4,185	10.34%	40,469	3
Net Migration:	6,446	23.58%	27,341	2
One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	99,713	9.48%	1,052,358	3
Adjusted Facility Damages:	211	6.55%	3,223	60
Non-Adjusted DIRT Damages:				
Telecommunications	69	8.29%	832	
Natural Gas	103	7.39%	1,393	
Electric	13	3.39%	383	
CableTV	15	3.60%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline	11	27.50%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

## 2020 Colorado Damage Prevention Report Card

Colorado Damage Prevention Report Card® is evaluated and published annually by Colorado 811

Reporting Year	2020
County	Yuma

Note: Colorado has 64 Counties

Grading Area	Grade	Score	Rank of 64	Weight
Public Awareness Metric:	C+	0.838	38	50%
Damage Prevention Metric:	B	1.782	23	25%
DIRT Reporting Metric:	D	1.000	51	25%
Damage Prevention Activity Metric:	N/A	-	-	Not Weighted in 2020 0%
County Composite Grade:	C+	2.333	42	Grade excludes DP Activity in 2020

### Report Card Metrics

Demographic Data	County Value	% of State	State Value	Rank of 64
Population:	10,001	0.17%	5,782,915	38
Pop Density per SqMile:	4		56	
Housing Permits:	6	0.01%	40,469	54
Net Migration:	(28)	-0.10%	27,341	47

One-Call Data	County Value	% of State	State Value	Rank of 64
Incoming Notifications:	1,984	0.19%	1,052,358	39
Adjusted Facility Damages:	4	0.12%	3,223	15
Non-Adjusted DIRT Damages:				
Telecommunications		0.00%	832	
Natural Gas	4	0.29%	1,393	
Electric		0.00%	383	
CableTV		0.00%	417	
Water		0.00%	137	
Sewer		0.00%	9	
Pipeline		0.00%	40	
Other		0.00%	12	

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

The *Public Awareness Metric* provides a population density adjusted measure of Incoming Notifications versus the Population.

The *Damage Prevention Metric* provides a measure of adjusted facility damages versus Incoming Notifications.

The *DIRT Reporting Metric* provides a measure of DIRT damage reporting by Facility Type.

The *DP Activity Metric* provides a measure of DP Activities in the county. Excludes 811 Public Awareness in 2019 and 2020.

# Colorado County Damage Prevention Report Cards- 2020

End of Report