

# 2021 End of Year Analysis

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This report by the Utilities and Transportation Commission (UTC) provides a summary and analysis of Washington's 2,473 damage events occurring in 2021, and a brief description about dig law complaints and training. To generate the most accurate analysis of damage events, it is important that damages are reported to Washington's Damage Incident Reporting Tool (DIRT) within the 45-day timeframe set forth in the statute.

The UTC now pulls the DIRT damage submittals several times a month. This has been extremely beneficial in capturing late reports, which may have been excluded in the past. *Evaluating damage submittals more frequently results in flagged investigations being examined closer to the damage date.*

The UTC also continues to use a flex field in the DIRT reports to provide a designated section for the submitter to give specific contact information about the excavator who caused damage. Prior to the addition of the flex field, contact information could only be placed in the comments section of the DIRT form. Due to this change, the UTC has seen improvements in reporting information, especially related to damage to natural gas without a locate. In addition, the detail in reporting has significantly helped the UTC in its ability to accurately analyze the DIRT data for enforcement, education, and training.

Due to Covid-19, no in-person trainings were offered by the UTC in 2021. However, online versions of the Staking University Locator training and the National Utility Contractors Association (NUCA) Dig Safe trainings were available as a temporary replacement in 2021.



## DIRT Form

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The five root cause options on the DIRT form are:

1. Notification Issue
2. Locating Issue - Facility NOT marked
3. Locating Issue - Facility marked INACCURATELY
4. Excavation Issue
5. Miscellaneous

Two problematic issues with the root cause determinations are:

Under Excavation Issue, there is a selection choice of “Improper excavation practice not listed above”(meaning the submitter doesn’t believe the damage cause fits into any of the other categories). Unfortunately, there is not a comment requirement to determine what caused the damage, and it is the most used selection in the category.

The Miscellaneous category has an option to choose “root cause not listed” with a requirement to leave a comment. When examining the comments, many times the correct root cause for the damage will correctly fit into another category.





## 2021 Damage Picture

### Damaged Facilities:

- Cable TV: 189
- Electric: 331
- Natural Gas: 1467
- Other: 36
- Telecommunications: 361
- Water: 89





## Locate Requests by Year

Requests for locates rebounded slightly with **19,835 more** submissions in 2021. This was likely due to construction and excavation services picking back up after a year of shutdowns related to Covid-19.

Year	Incoming Locate Requests	Outgoing Locate Transmissions	Locate Request Percentage Change (Year to Year)
2014	353,296	2,904,807	
2015	366,320	2,992,222	3.55%
2016	398,003	3,274,468	7.96%
2017	488,242	4,198,115	18.48%
2018	534,550	4,779,815	8.66%
2019	538,080	4,816,343	.66%
2020	535,826	4,778,004	-.42%
2021	555,661	4,872,436	3.56%





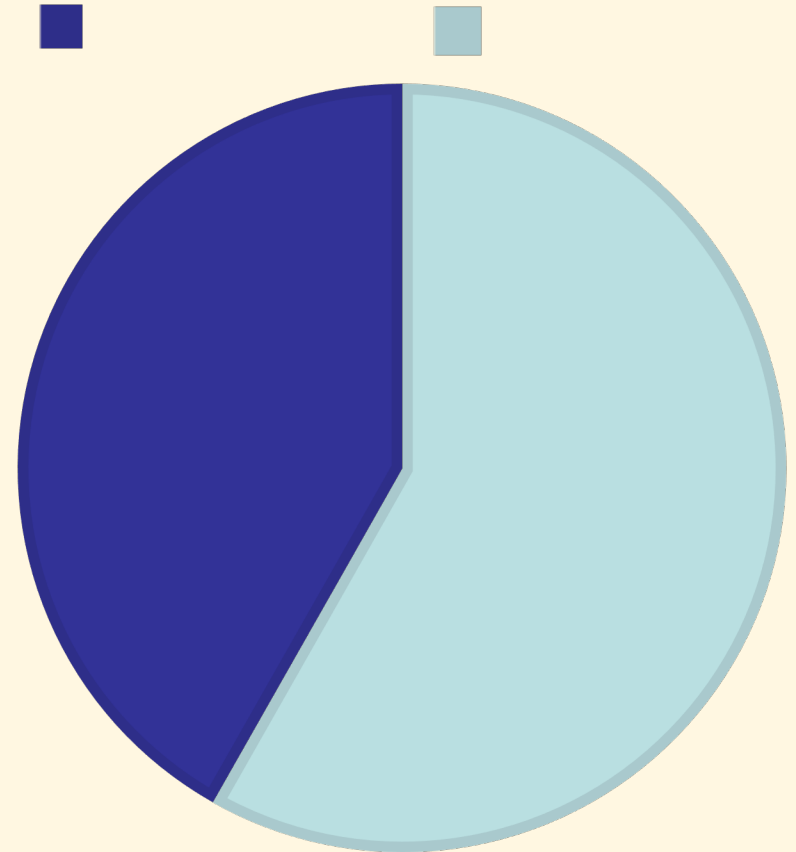


# 2021 Locate Requests

The 2,473 DIRT damage reports submitted in 2021, indicate that 63 percent had a locate request made prior to excavation. This is an improvement from the previous year by five percent.

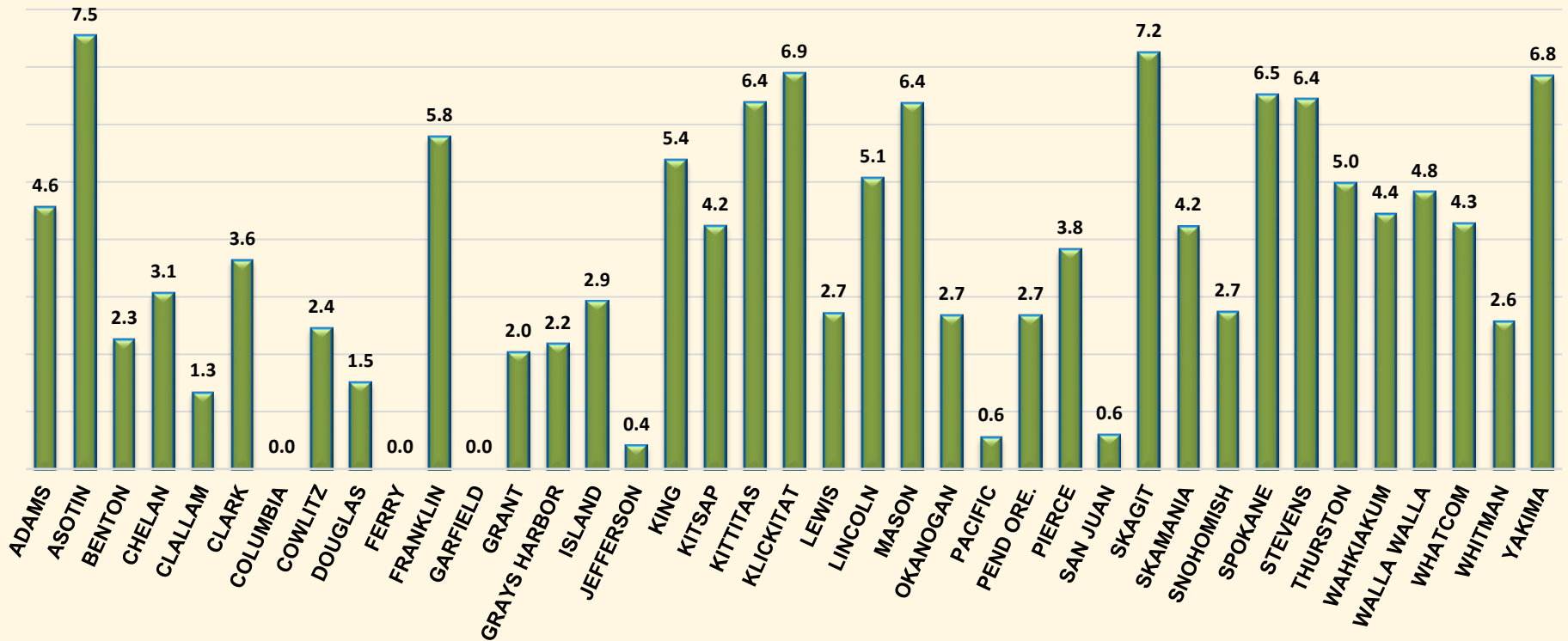
This may be because of warning letters issued by the UTC reminding people of the importance of getting locates, and the consequences of not having obtained a valid locate prior to excavation.

It also could be the result of a very direct advertising campaign by Washington811 and several other stakeholders who targeted homeowners doing DIY projects. The campaign focused on the risk of excavating without knowing where utilities are located and the high cost associated with damaging an underground utility.





## 2021 Damages by County



There was an average of **4.5 damages per 1,000 locate requests** in 2021. This is just slightly lower than last year's statewide number and shows a bit of improvement. It should be noted that the numbers for smaller counties may look higher since they have fewer requests for locates and we base the average on damages per 1,000 locate requests.





## 2021 Complaints, Enforcement Actions

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2021 was less challenging for enforcement as the UTC and the Washington Dig Law Safety Committee (Safety Committee) worked together to adjust to Covid-19 shutdowns and the inability to hold in-person meetings. The Safety Committee continued to use Zoom and a call-in process to review complaints, resulting in 17 recommendation referrals to the UTC for investigation.

The UTC sent 416 technical assistance warning letters to 292 professional excavators and 124 homeowners, who damaged natural gas facilities in 2021 without first securing a valid locate.

Additionally, UTC staff performed 86 additional investigations on parties who violated the dig law by damaging natural gas service without first requesting an underground locate. These violators had also received at least one warning letter.

Total monetary penalties levied by the UTC in 2021 totaled \$157,000. Many included an option for deferral of the penalty amount, provided the offender had no additional violations for one year and/or completed a National Utility Contractor Association (NUCA) Dig Safe training.





## 2021 Training

All fines collected through penalty assessments are deposited into the Damage Prevention Penalty Account which can only be used for educational purposes to improve worker and public safety relating to excavation and underground utilities.

For a second year, in-person trainings were suspended in 2021. Staking University Locator Training online was available again in 2021, with 240 people registered. Unfortunately, that course seemed to be more on the technical side of locating and difficult for people to finish and pass, resulting in a low completion rate. For this reason, we believe the best locator training is still the two-day hands-on training, with an instructor.

NUCA Dig Safe Training online was rolled out early 2021 and has been a success in terms of people completing the course. The 45-minute virtual training covers the Dig Law in RCW 19.122, and other aspects of safe excavation practices. If during the test the student gets the wrong answer, the course educates them on the correct answer and allows them to correct it. For that reason, everyone that completes all the modules and the test, passes the course. In 2021, 343 people earned a Dig Safe Training online 2-year certificate.



Locator Training in 2019



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**For questions about this report, please contact:**

Lynda Holloway  
Damage Prevention Program Specialist  
Utilities and Transportation Commission

[Lynda.Holloway@utc.wa.gov](mailto:Lynda.Holloway@utc.wa.gov)

360-664-1118 - Office

360-529-9262 - Cell