



Excavation Damage Data

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Public Service Commission of Wisconsin**

February 10th, 2022

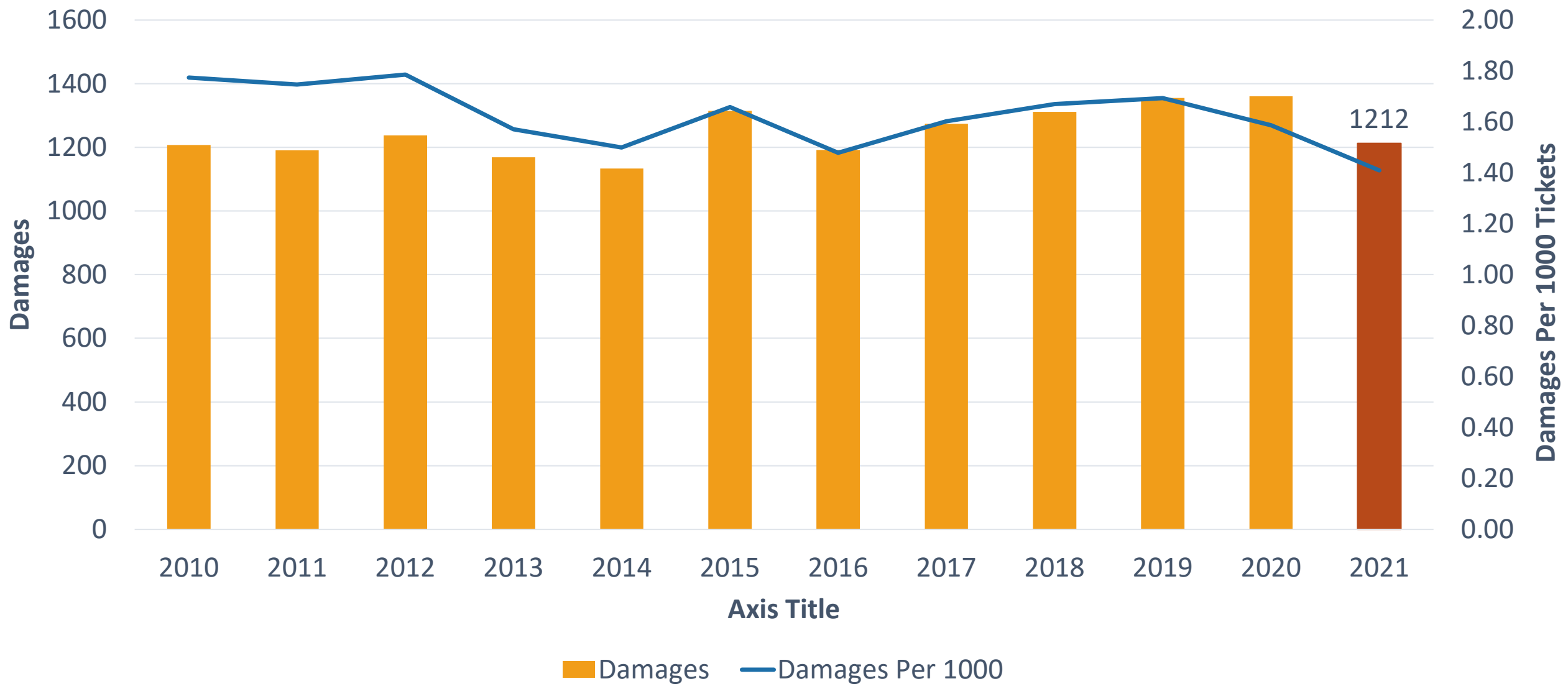
Wisconsin Excavation Damages

- Started requesting detailed data in 2021
- Natural Gas excavation damages
- Local distribution companies
- Quarterly submissions
- Some categories from the CGA DIRT Report

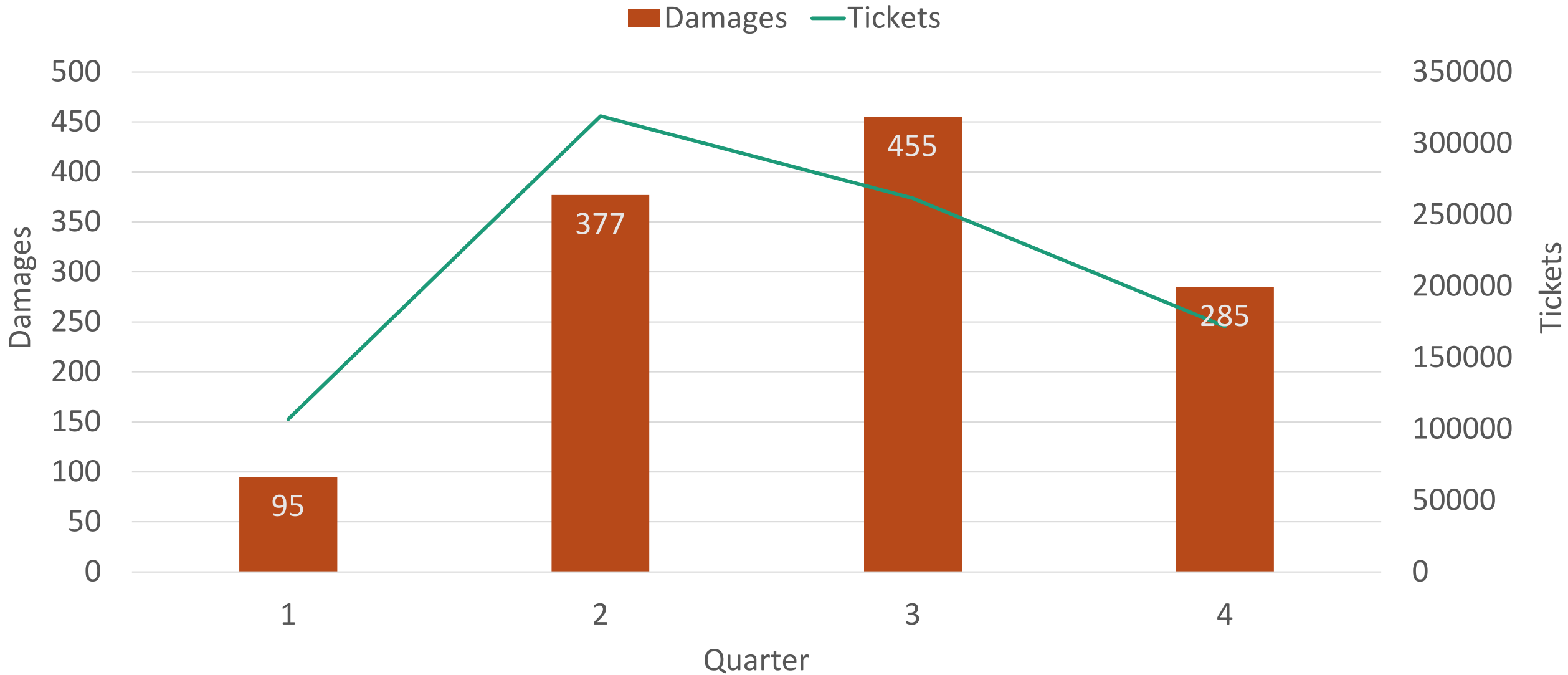
What do we ask for?

- **Date**
- **Location**
- **ROW type** (City Street, Country Road, Interstate Highway, Railroad, etc.)
- **Excavator** (Contractor, County, Developer, Farmer, etc.)
- **Equipment** (Backhoe, Hand tools, Directional Drilling, Auger, etc.)
- **Work performed** (Gas, electric, communications, water, road, etc.)
- **Locator type** (Company or Contractor)
- **Root cause** (Didn't verify marks, Didn't call 811, Clearance, etc.)
- **If service was interrupted**

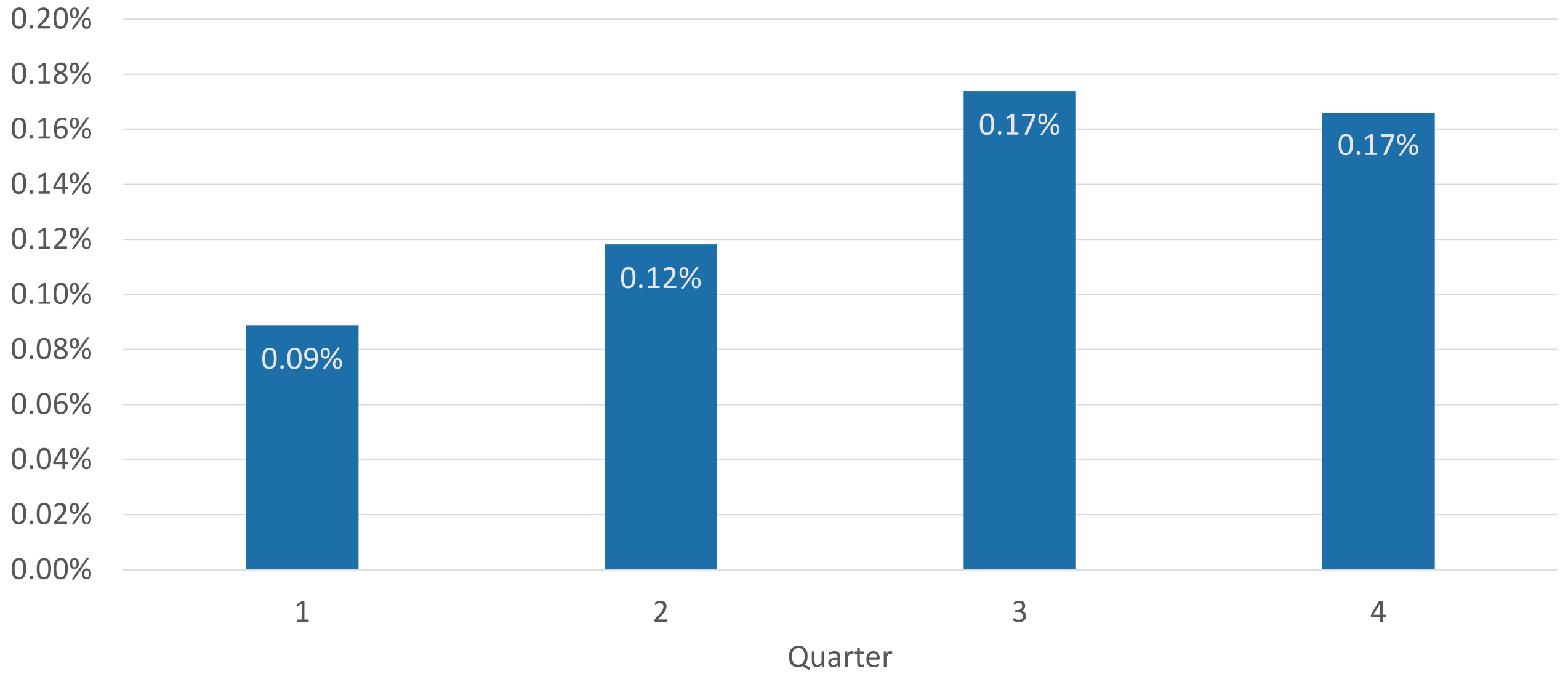
Pipeline Damages Per Year



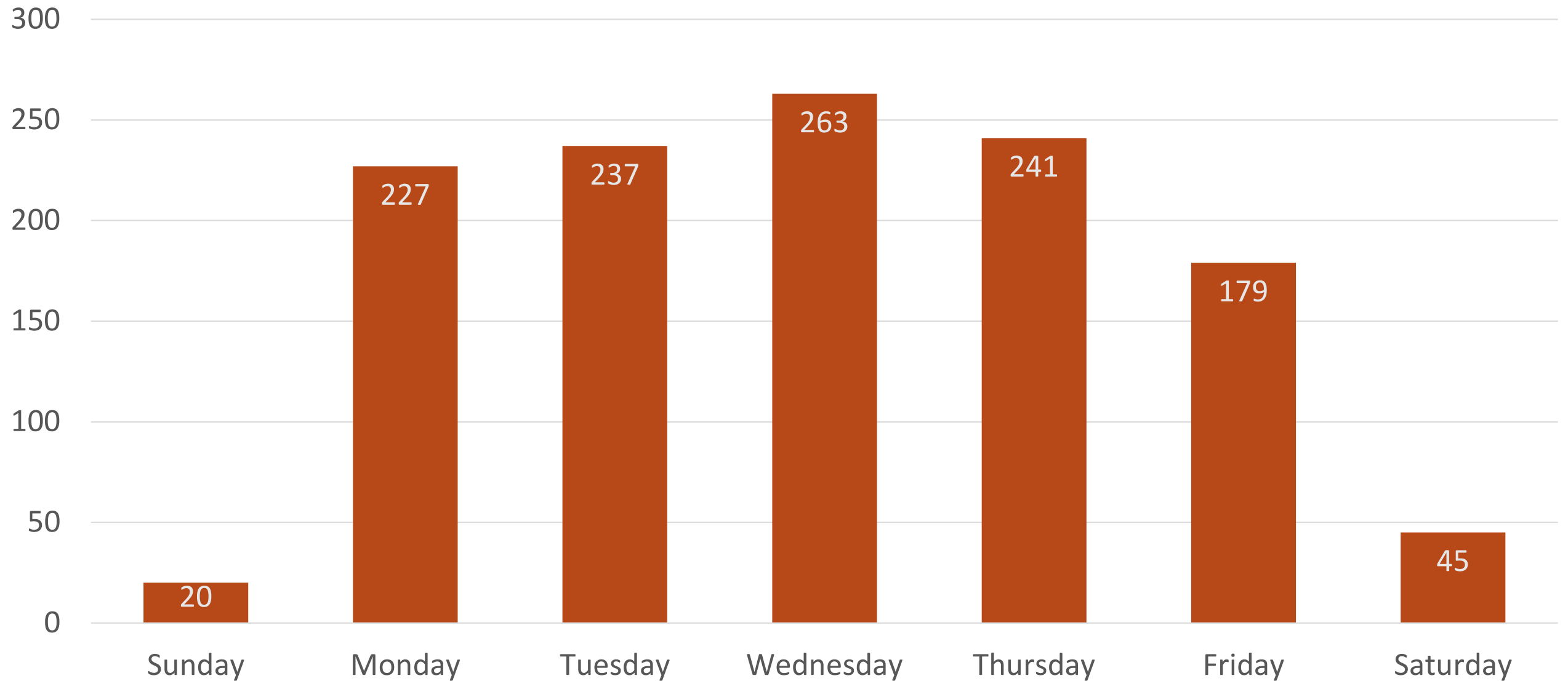
Damages and Tickets by Quarter



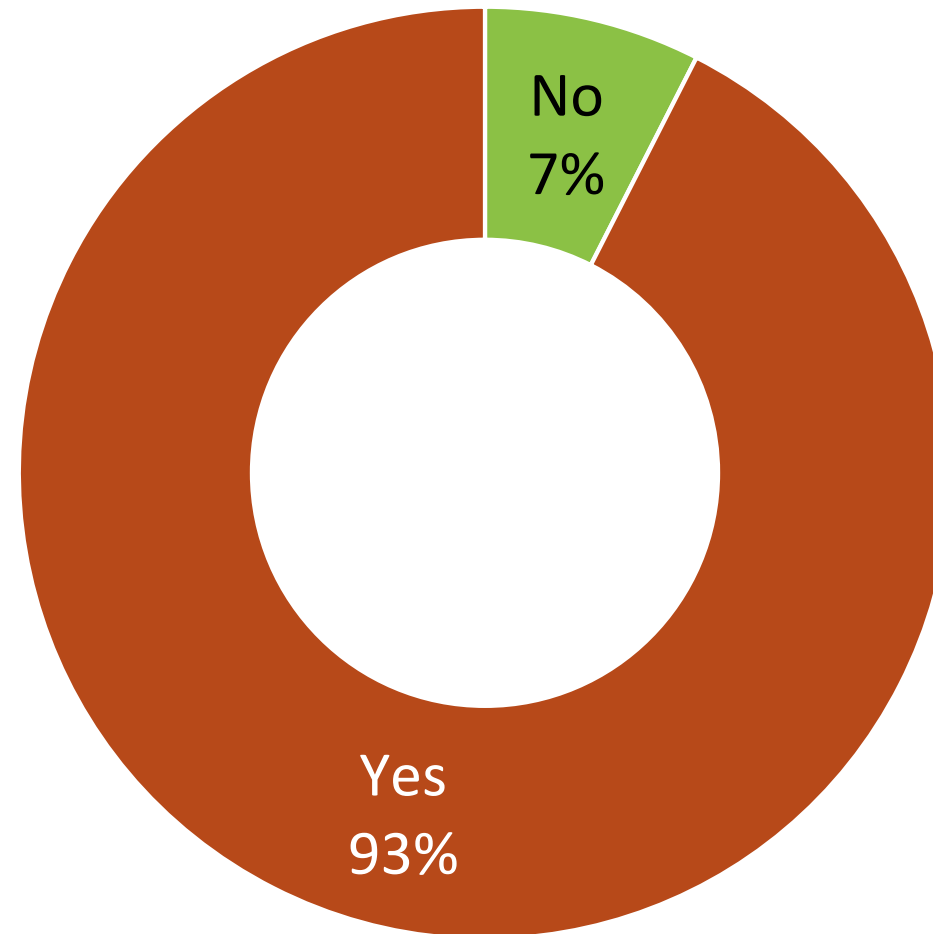
Damages/Tickets



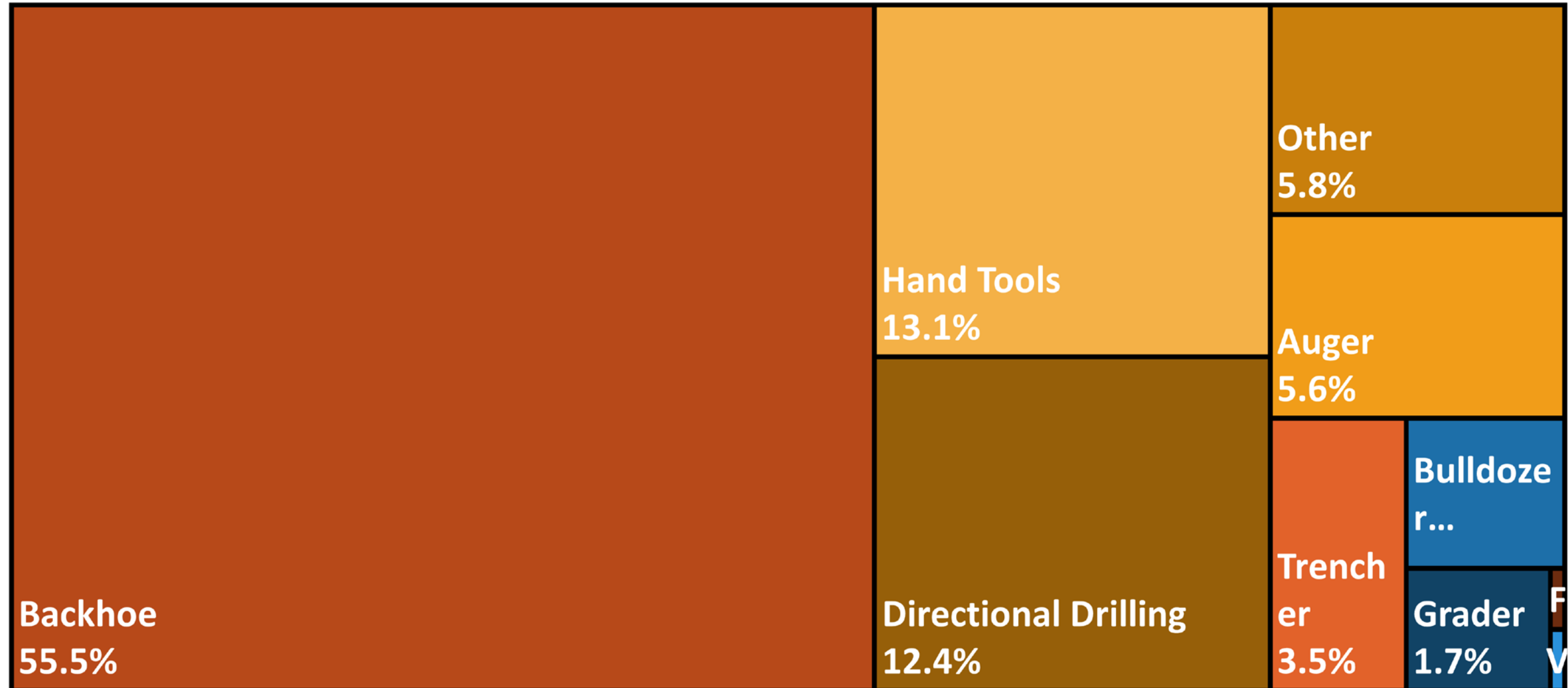
Damages by Day of the Week



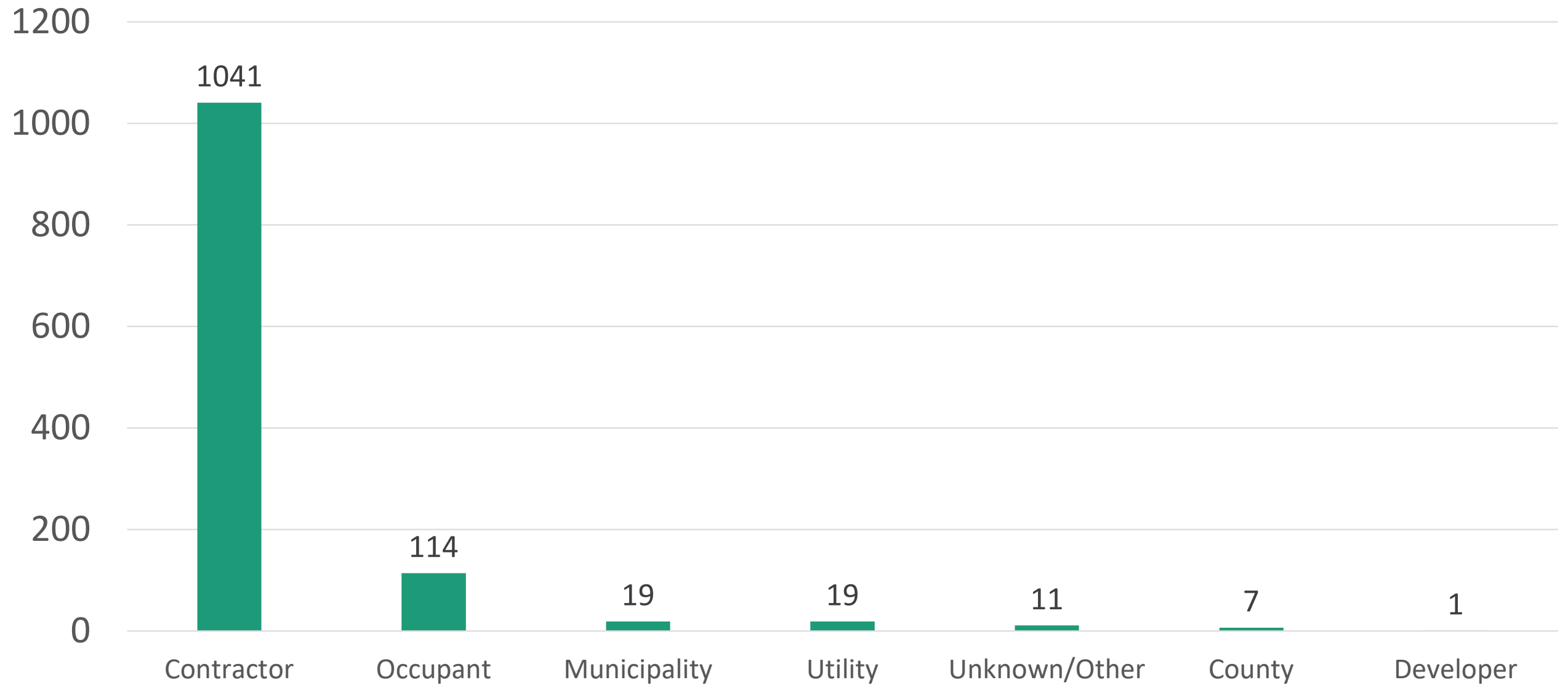
Service Interrupted?



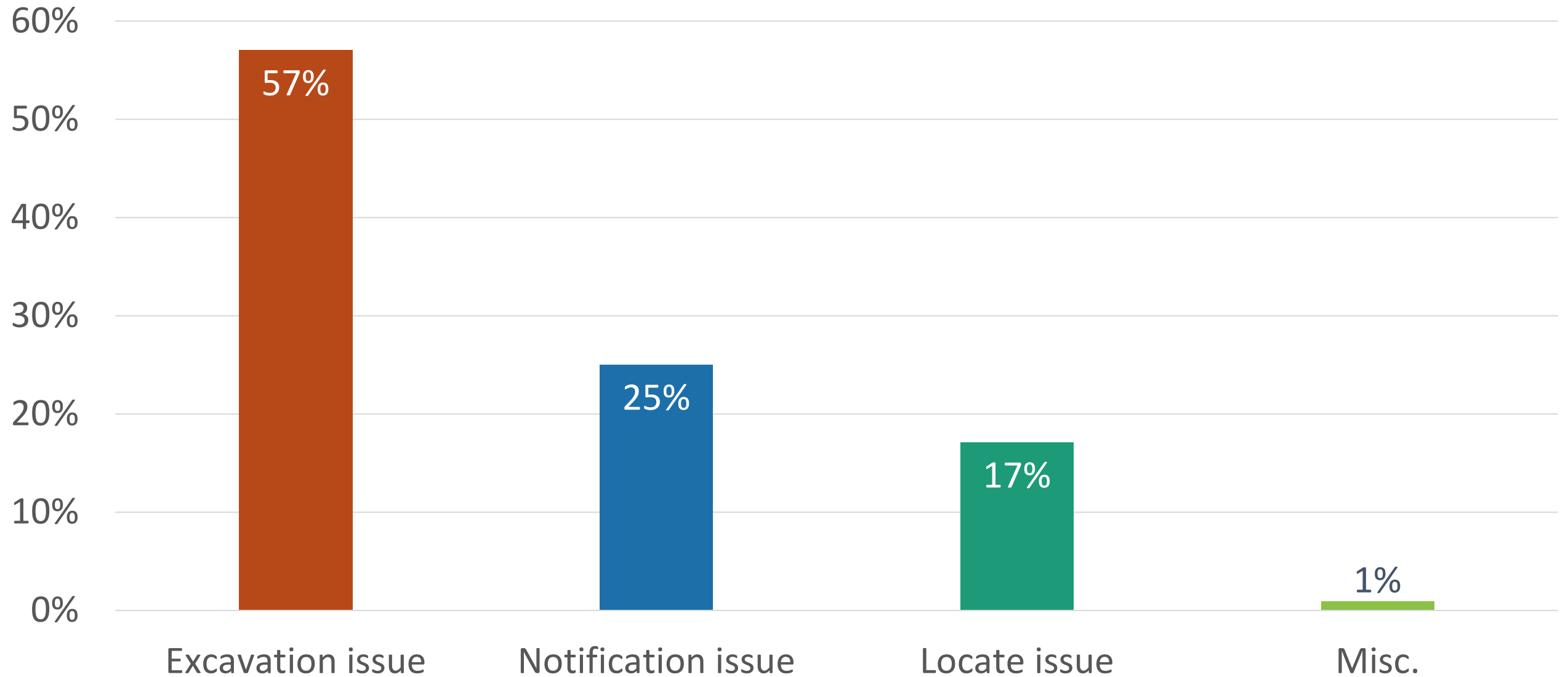
Equipment causing damage



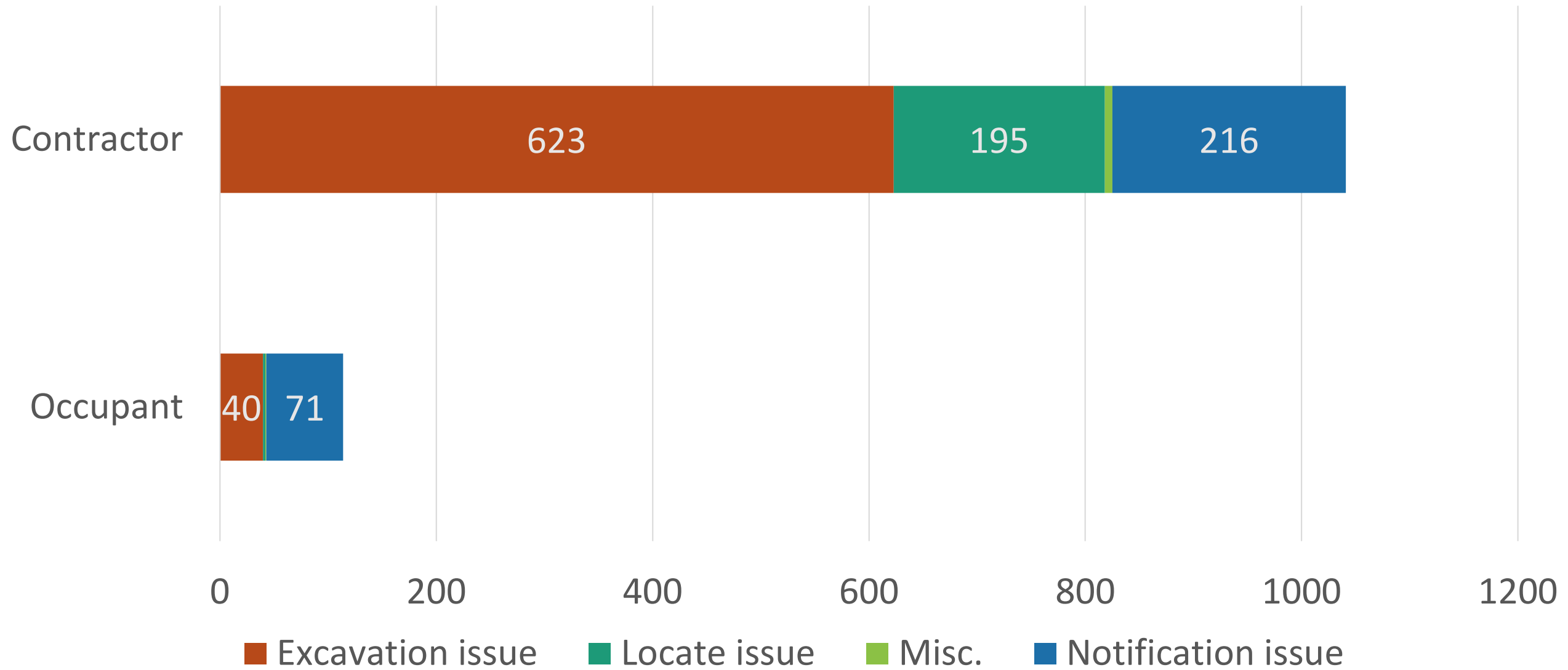
Damages by Excavator Type



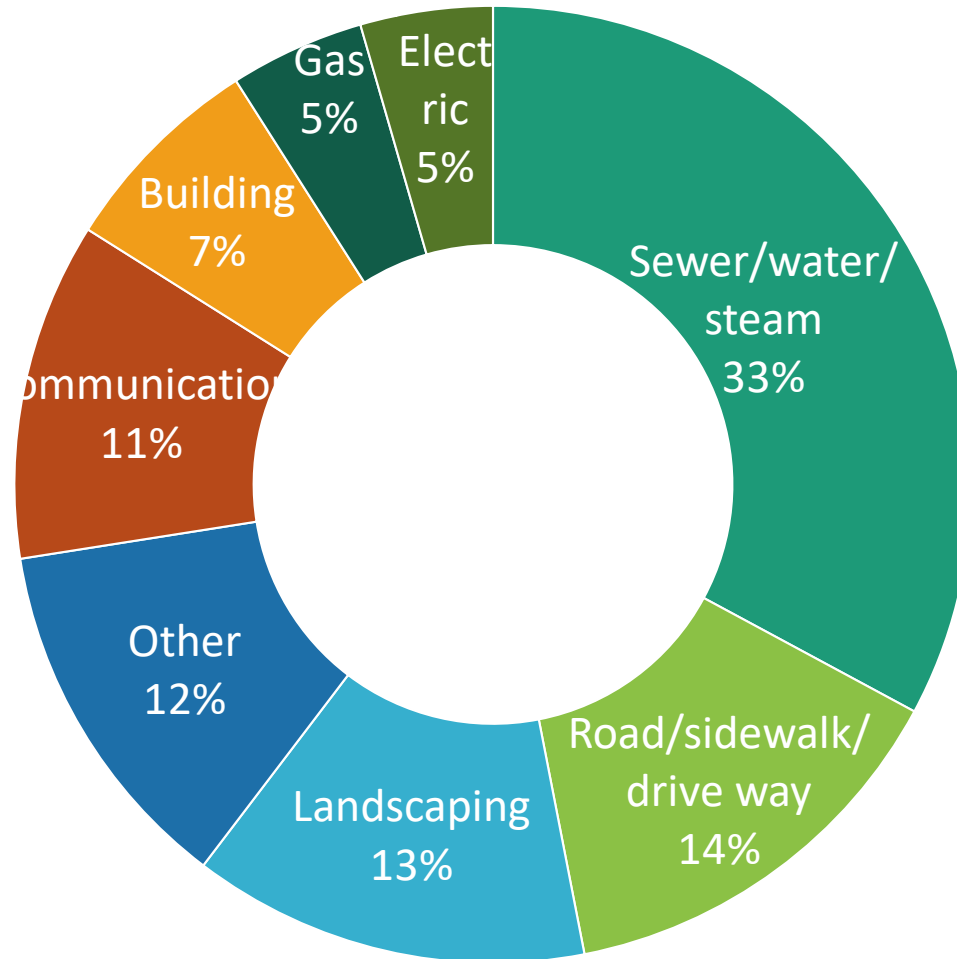
Root Cause (General)



Root Cause for Contractor and Occupant

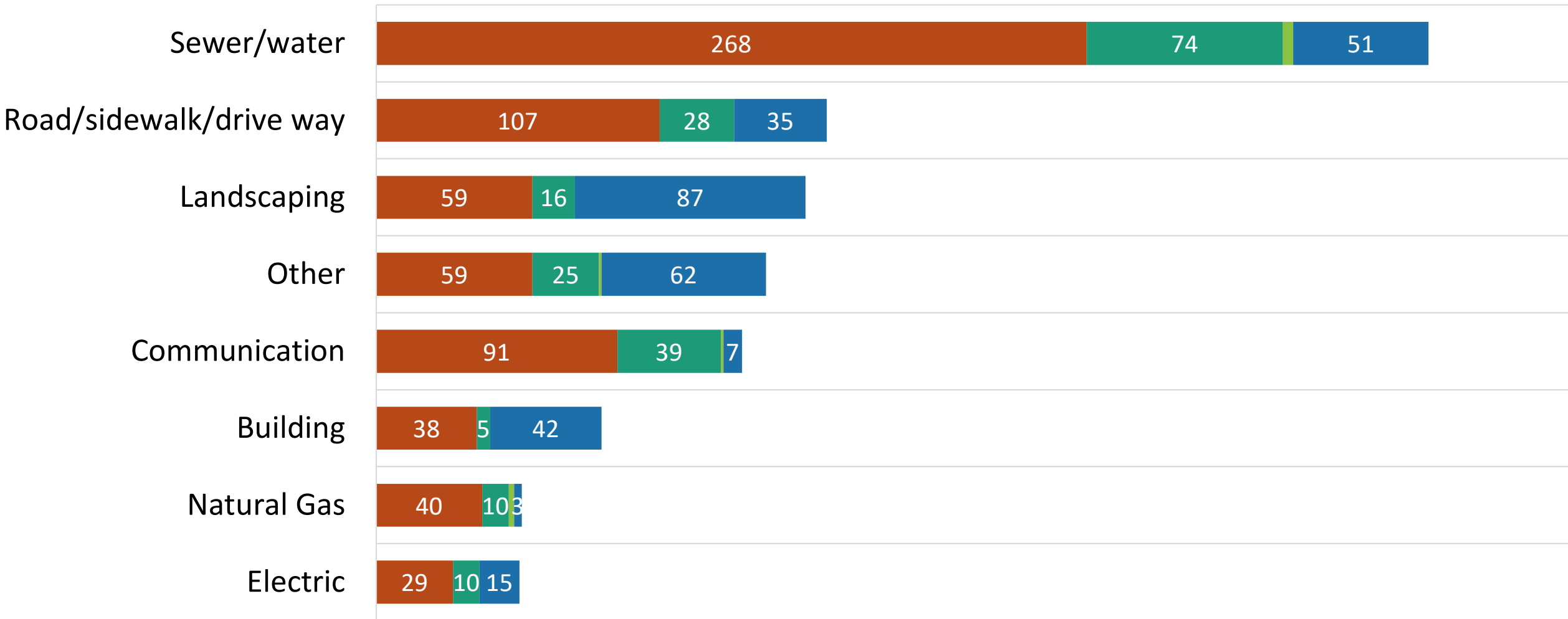


Industry of Damager

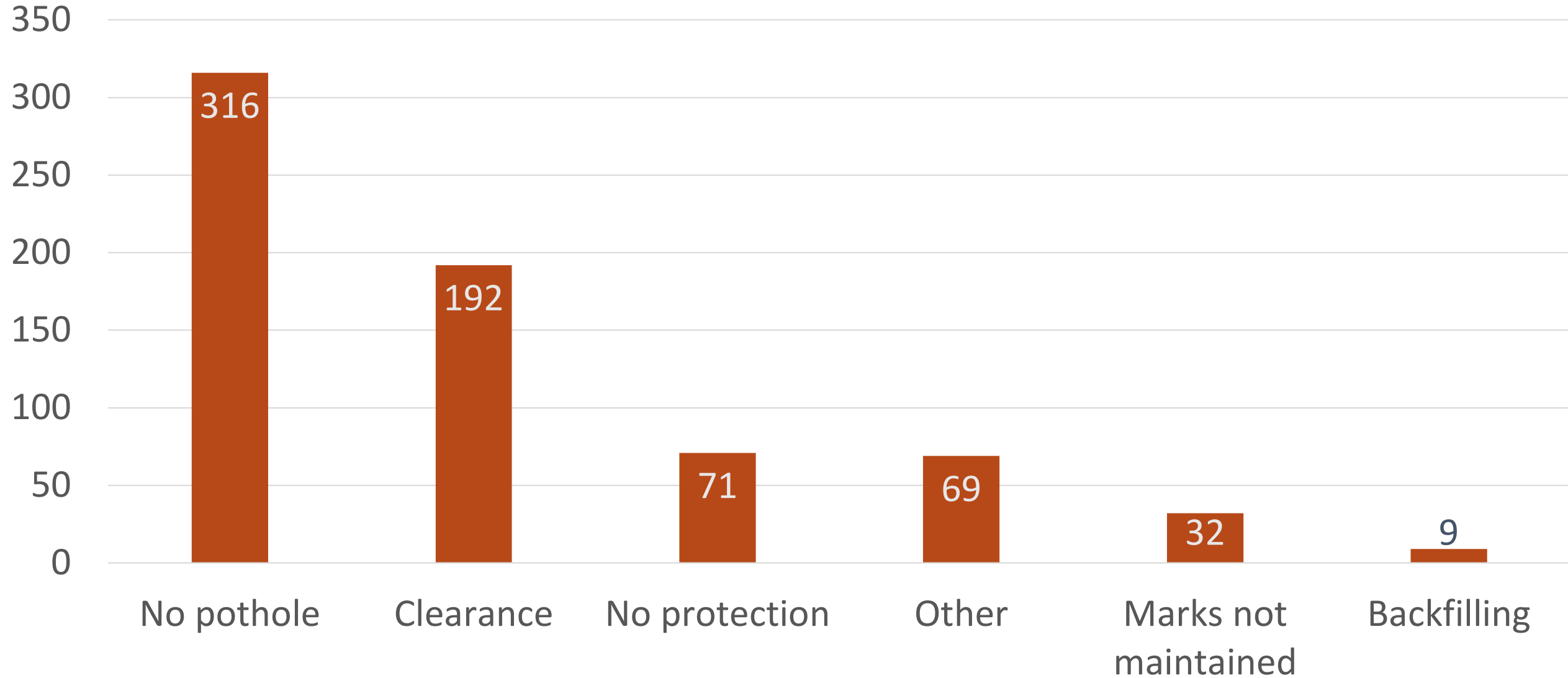


Root Cause by Work Type

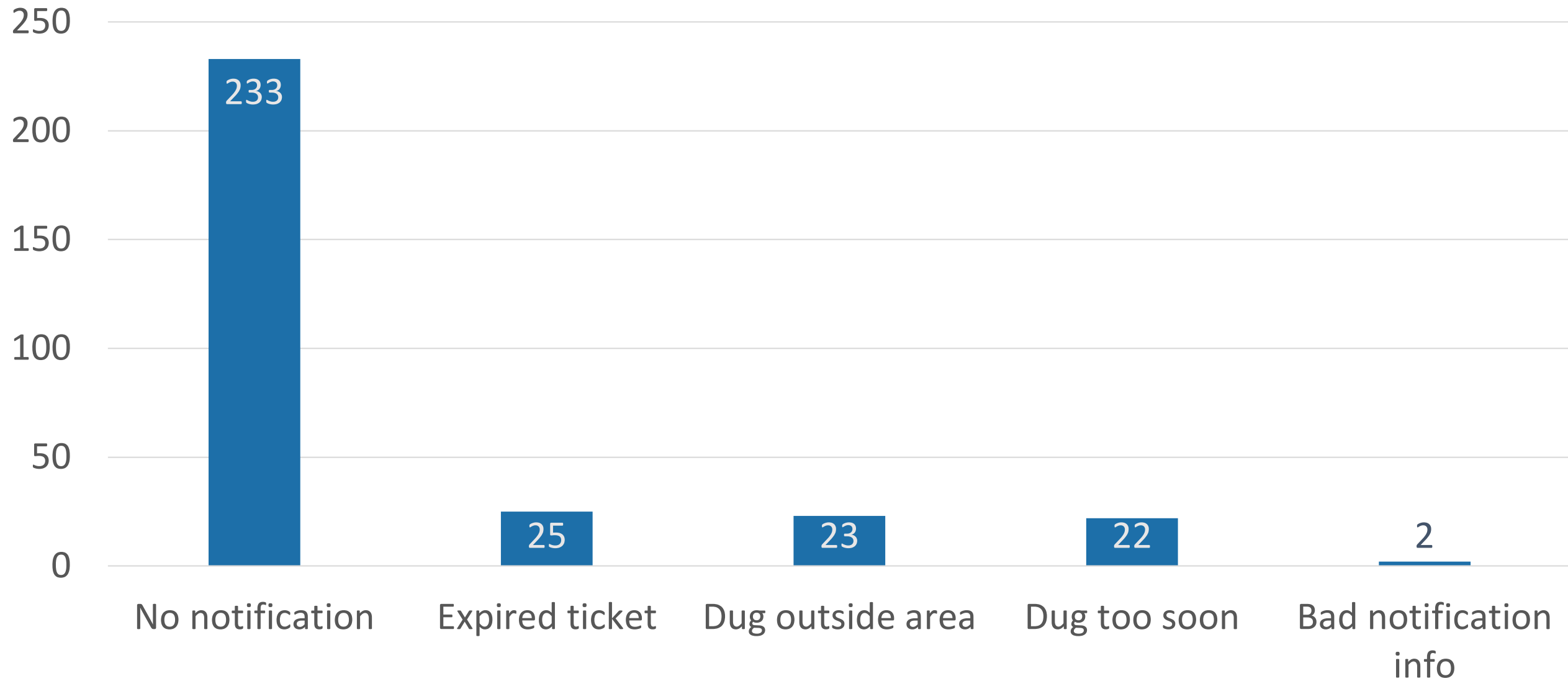
■ Excavation issue
 ■ Locate issue
 ■ Misc.
 ■ Notification issue



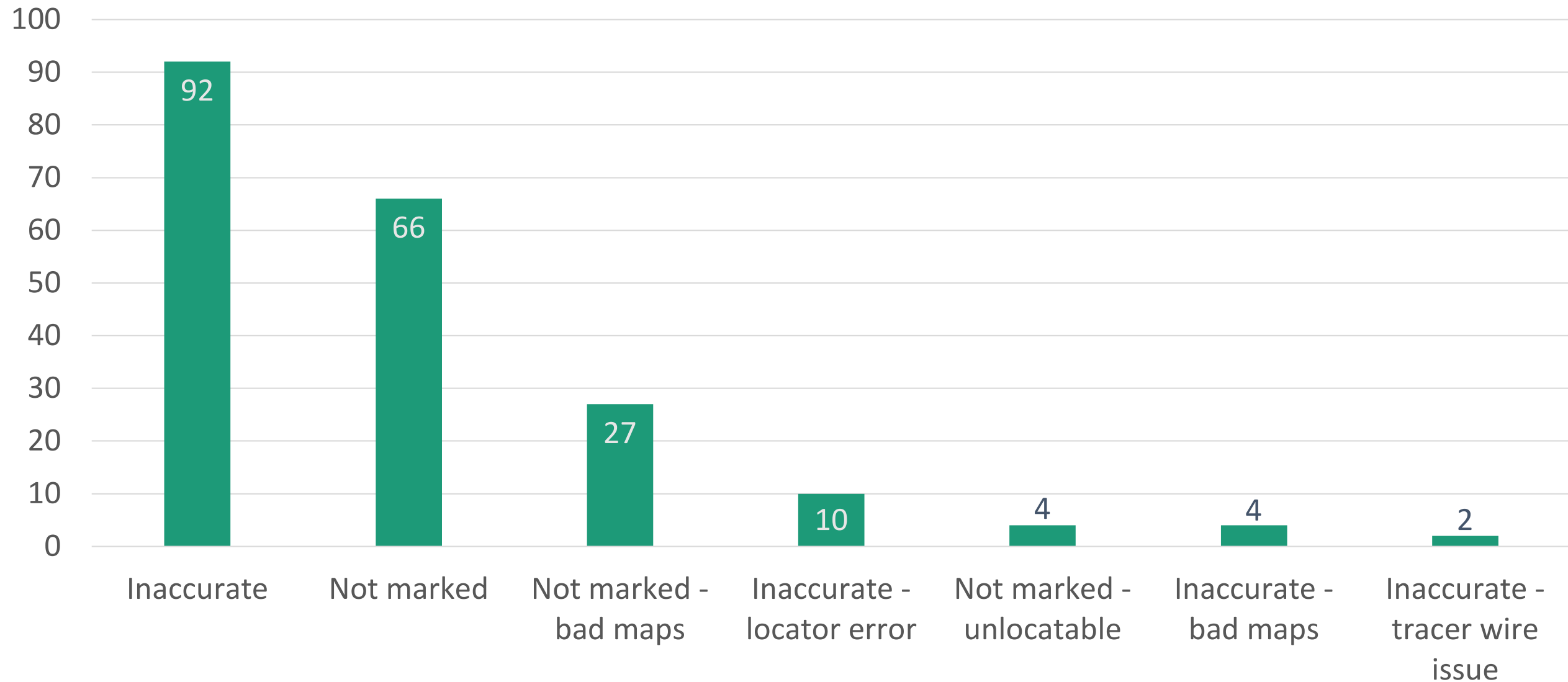
Excavation Issue



Notification Issue



Locating Issue



Data Integrity

- Pick the specific root cause
- Dig in to damages so there are no blanks
- Better data will be more useful to everyone
- Additional years will be more useful

Thoughts?

- Does this information line up with your expectations?
- Is there anything surprising?
- What questions do you have about damages that these data could answer?