QUANTIFYING THE RISK ECONOMICS

FIBER NETWORK OUTAGES IN NORTH AMERICA

Major Direct and in-direct consequence as a result of fiber network outages that stake holders should be aware.



COSTLY SLA PENALTIES LOSS IN CUSTOMERS

LOSS OF GOODWILL

"Failure to locate problem on network is one of the leading causes in telecommunication facility breakdown"

Cost Associated with a Fibre Outage

\$ 18 BILLION indirect business closure**

		×
Unknown/Other		
Locating Practises		
Excavation Practises		
	Locating Practises	Locating Practises

\$ 600 MILLION

direct repair cost annually**

\$75,000

Average reburial cost of network fiber per mile*

"Downtime costs businesses more than <u>\$300K per hour</u>"***



"Recent report suggests that the cost of downtime is up from \$5,600 per minute to nearly \$9,000 per minute"***

Sources:

*Common Ground Alliance DIRT Annual Report 2022 DIRT Interactive Dashboard **Ponemon Institure 2016 ***Causes of Fiber Cut and the Recommendation to Solve the Problem, 2017 ***Damage Information Reporting Tool 2020 Analysis & Recommendations



No Locate Requests

Invalid Use of Excavators

0 10 20 30 40 50

CFailure to locate a network prior to excavation is one of the leading causes in telecommunication network outages"

Telecom network are the most prone to damages

Others 52% Telecommunication 48%

"Telecommunication outages represents almost as half of recorded utility damages reports in North Amercai. Others includes; oil and gas pipelines, sewers, electrity and liquid pipeline. "*