

and set about to correct the problem. It will cost money. But the demolition of entire towns and the deaths of so many people especially since 2007 and 2017-19, makes increased investment a no-option decision.

I have one last matter I would like to address in this letter.

After repeated very dangerous energized downed wire events close to my residence and on my property, I took it upon myself to investigate this problem.

When an energized wire parts (breaks or separates) and falls to earth, the resulting grounded and arcing short circuit has too low an amperage to trip or burn out any existing utility circuit protection device, essentially a fuse or recloser. This is called a "high impedance arc fault". Over 30 years of research has gone into solving this major electrical "fault". There exist now computer devices that can instantly recognize this electrical fault and then cut current to the parted conductor before it even falls to earth and begins to flash arc and ignite a fire. The reaction time of these protection devices is less than one second. These computer devices can now detect virtually any type of electrical fault. These devices are "on the shelf" waiting to be installed and they are not expensive. San Diego Gas and Electric has begun to install a version of this equipment. These facts demonstrate the major advances in public safety that are now available to the citizens of CA.

I look forward to in-person discussion of these and other subjects with the Resource Protection Committee and with the Board.

Regards,
Kevin Collins