

Madam Chair and Committee Members:

Good afternoon. I am Bill Wycoff and have resided at 333 Weld County Road 17 since 1982. I am an adjunct faculty member at the Community College of Denver having retired from a 37 year engineering career at Qwest, US WEST and other Bell System Companies.

Our home is approximately 150 feet from a 10-inch, high pressure natural gas pipeline. Several years ago Suncor negotiated an easement for a proposed 16-inch, 1200 p.s.i., crude oil pipeline through our property. That negotiation process was always under the shadow of applying powers of eminent domain by the pipeline company. The easement is 60 feet wide and approximately 1200 feet long.

I wish to share ^{my} safety concerns grounded in the National Institute of Standards and Technology (NIST) Report 6546. It addresses Acceptable Separation Distances (ASD) from a fire to structures and humans. ASD directly relates to reasonable setbacks and therefore the quantity of land needed that might be acquired through eminent domain.

I have worked for decades with our local NIST experts and engineers in Boulder that are focused in telecommunications and video technologies. I can attest to their deep experience and as part of the U. S. Department of Commerce, their neutrality.

Over 37 years of development have gone into the NIST report that points out in Table 1 safe distances from burning hazardous liquids.

From that table some Screen ASDs of interest are:

Liquid	Structures	People
Crude Oil	49 feet, 2 in.	1,410 feet 9 in
Gasoline	65 feet 7 in	1,804 feet 6 in

Please take into consideration this report's information on ASDs as it relates to Right-of-way needs triggered by pipelines carrying combustible hydrocarbons. It seems clear that current easement requirements are inadequate and lack uniformity within our state. Federal safety regulations for pipeline placement seem to be vacant in this area (Dan Dean has researched this area and is a local expert) and certainly did not hinder the placement of pipelines extremely close to schools and homes as heard in earlier statements. Complying with current laws and regulations is inadequate. Minnesota has a pipeline routing process that would be worth considering. Please ~~reject~~ ^{modify} this bill so that there can be development of a proper, Colorado solution.

Thank you for your time and attention.