

On 9/20/2022 Al Gore said that 3% of Natural Gas Leaks and the Gas Leak emits 80% more CO2

To Compare CO2 emissions (including NG gas leaks)

To start with

	CO2 emitted	3% of NG	80% more CO2 of 3%	leak added to NG total
Coal CO2	1	na	na	1
NG CO2	0.5	0.015	0.012	0.512

Natural Gas if leak included still is only 40.95% of CO2 emission of coal

Families for Clean Air says Burning Wood emits thousands of times less particulates than Natural Gas
 particulates emitted lb annual % of cert wood stove % of uncert wood stove

NG burning	1/6 lbs annual	0.166667	0.00068306	0.001718213
uncert wood stove	244 lbs annual	244	1	2.515463918
cert wood stove	97 lbs annual	97	0.397540984	1
pellet stove	27 lbs annual	27	0.110655738	0.278350515

fireplace emits more particulates than uncert wood stove, but may have higher stack

NG burning	1/6 lbs annual	0.166667	0.1%	0.2%
uncert wood stove	244 lbs annual	244	100.0%	251.5%
cert wood stove	97 lbs annual	97	39.8%	100.0%
pellet stove	27 lbs annual	27	11.1%	27.8%

Does NG produces tens of thousands of times less particulates than wood burning
 (assuming wood burning stoves perform as tested, over time)

NG burning	1/6 lbs annual	0.166667	0.1%	0.2%
uncert wood stove	244 lbs annual	244	100.0%	251.5%
cert wood stove	97 lbs annual	97	39.8%	100.0%
pellet stove	27 lbs annual	27	11.1%	27.8%

If NG burning is basis, NG = 1

If NG is 1

NG burning	1/6 lbs annual	0.166667	1.0%	wood burning is
uncert wood stove	244 lbs annual	244	146400.0%	how many times NG par
cert wood stove	97 lbs annual	97	58200.0%	146,400 times
pellet stove	27 lbs annual	27	16200.0%	58,200 times
				16,200 times

Wood stoves, whether cert. or non-cert, or pellet stoves produce
 tens of thousands of times more particulates than wood burning

: than coal

al Gas Burning
% of pellet stove

0.00617284
9.037037037
27
1

0.6%
903.7%
2700.0%
100.0%

0.6%
903.7%
2700.0%
100.0%

ticulates?