English common law held as base law in the USA, says Safety is the supreme law. Safety takes priority over money and economics and tradition and the vicissitudes of politicians and all else without exception. Therefore residential wood heating equipment use which can create unsafe wood smoke pm2.5 concentrations in the air near burners must be stopped and prevented, though it is not in the USA at present. The UK and Europe smokeless fuels laws however have prohibited the burning of all cordwood and sea coal and bituminous coal in smoke free areas such as London. This law greatly reduced air pollution in London and other cities that caused the London Fog Air Pollution Disaster. Adoption of it in the cities of Australia would greatly benefit the people. It basically bans the burning of cordwood in cities except for specially approved equipment. Approved equipment should be determined by engineering modeling and monitoring of the pm2.5 conc at nearby houses. When this is done, even pellet stoves create unsafe wood smoke pm2.5 concentrations and doses. Worse, the average pm2.5 concentration in American and probably Australian cities is 50 mcg/m3 and wood smoke pm2.5 is about 50% of that in winter or 25 mcg/m3 which is greater than the safe conc of about 7 mcg/m3. So even your background pm2.5 is unsafe without even considering the safe amount of 180 toxic gases present at the same time. USA EPA modeling shows all this in the USA but the politicians will not allow anything to be done at present. This
is wrong and AU should test the pm2.5 conc and ban all the unsafe equipment and only allow gasifier equipment with modern air flow control and fuel control like done in cars and all other heating equipment. It has been done in the USA by college engineering groups and a few companies. This should be best available control technology not what industry says is best technology. You should make a moon project type effort to do this. Polling shows 70% of the people want clean air and 70% of the US churches want the same. Imagine having wood stoves with emission factors equal to oil furnaces. They exist. Imagine engineering out the problems with dampers. It has been done. Imagine regulating the exhaust gas temperature to prevent creosote buildup. It has been done. So, make it so. Follow Gods basic instructions to not kill, injure, poison or hurt and harm in any way. Stop the needless deaths and injuries the health authorities in AU have identified with their breakthrough science efforts. Help God create a better world.

Q 14: Or, upload your comments:

N/A