

IMPACTS OF WOOD BURNING

POTENTIAL HEALTH EFFECTS OF WOOD BURNING

- Lung Infections
- Acute Bronchitis
- Dementia
- Asthma Attacks
- Heart Attacks
- Stroke
- Chronic Obstructive Pulmonary Disease (COPD)



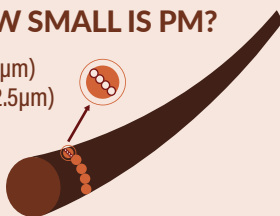
BURNING WOOD PUTS PM INTO THE AIR

(Including manufactured logs, wood pellets or any solid fuel)

Particulate Matter (PM) is a complex mixture of extremely small particles made up of a number of components, including smoke, metals, dust, organic chemicals and soot.

HOW SMALL IS PM?

- PM10 (<10µm)
- PM2.5 (<2.5µm)



HUMAN HAIR
50-70 µm (microns) in diameter

WOOD BURNING IN THE VALLEY

TOPOGRAPHY + STAGNANT CONDITIONS
+ INVERSION LAYER = TRAPPED POLLUTION



WHAT CLEARS PM POLLUTION?



WIND

+



RAIN

+



LOW PRESSURE
WEATHER

HOW CAN YOU PROTECT YOURSELF & OTHERS?

Check the burning status in your community at valleyair.org/burnstatus

RESIDENTIAL
WOOD SMOKE
REDUCTION
PROGRAM

=



or



or



or



Electric Heat Pump

Gas Stove/Insert

SWITCH TO A CLEANER DEVICE

Take advantage of the Valley Air District's incentive program and change out your fireplace with an electric heat pump or gas device.



Fireplace & Woodstove
CHANGE-OUT



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

valleyair.org