

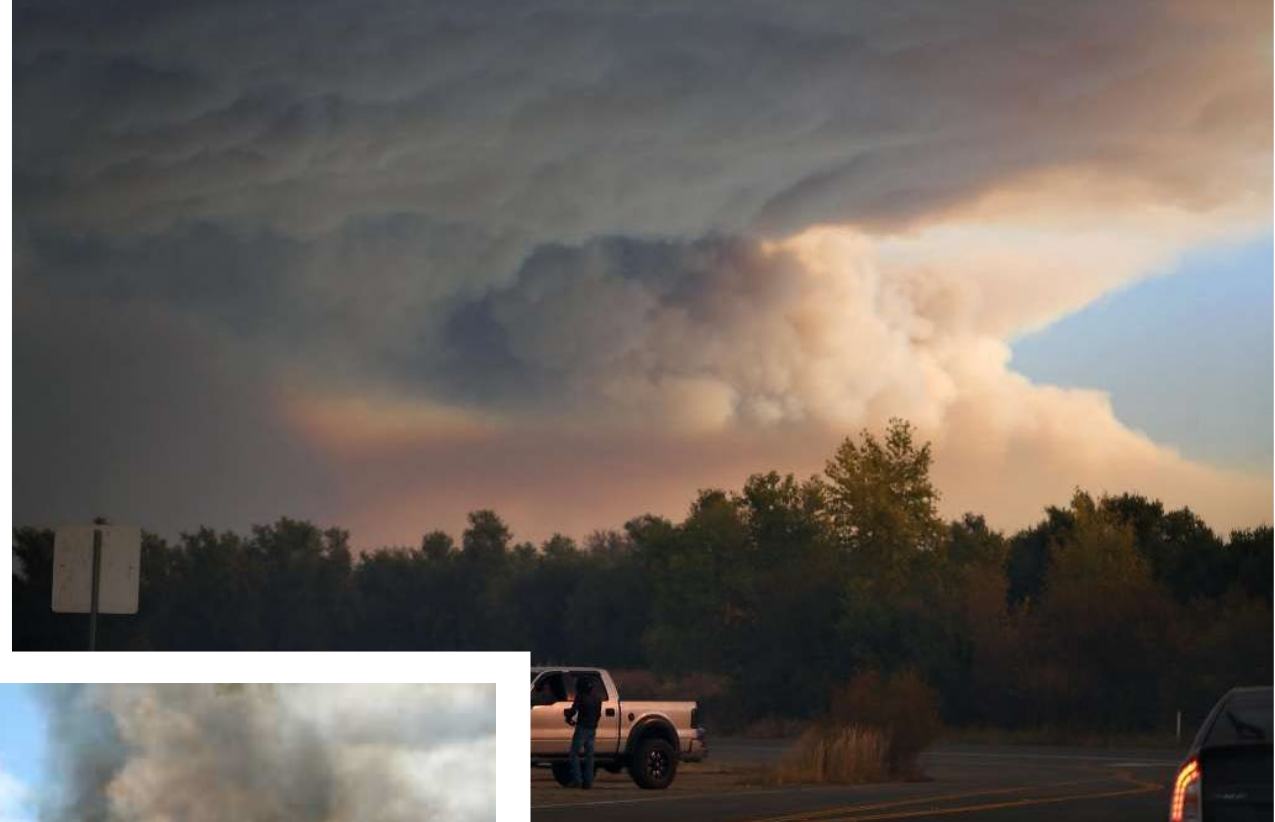
Bloomenergy®

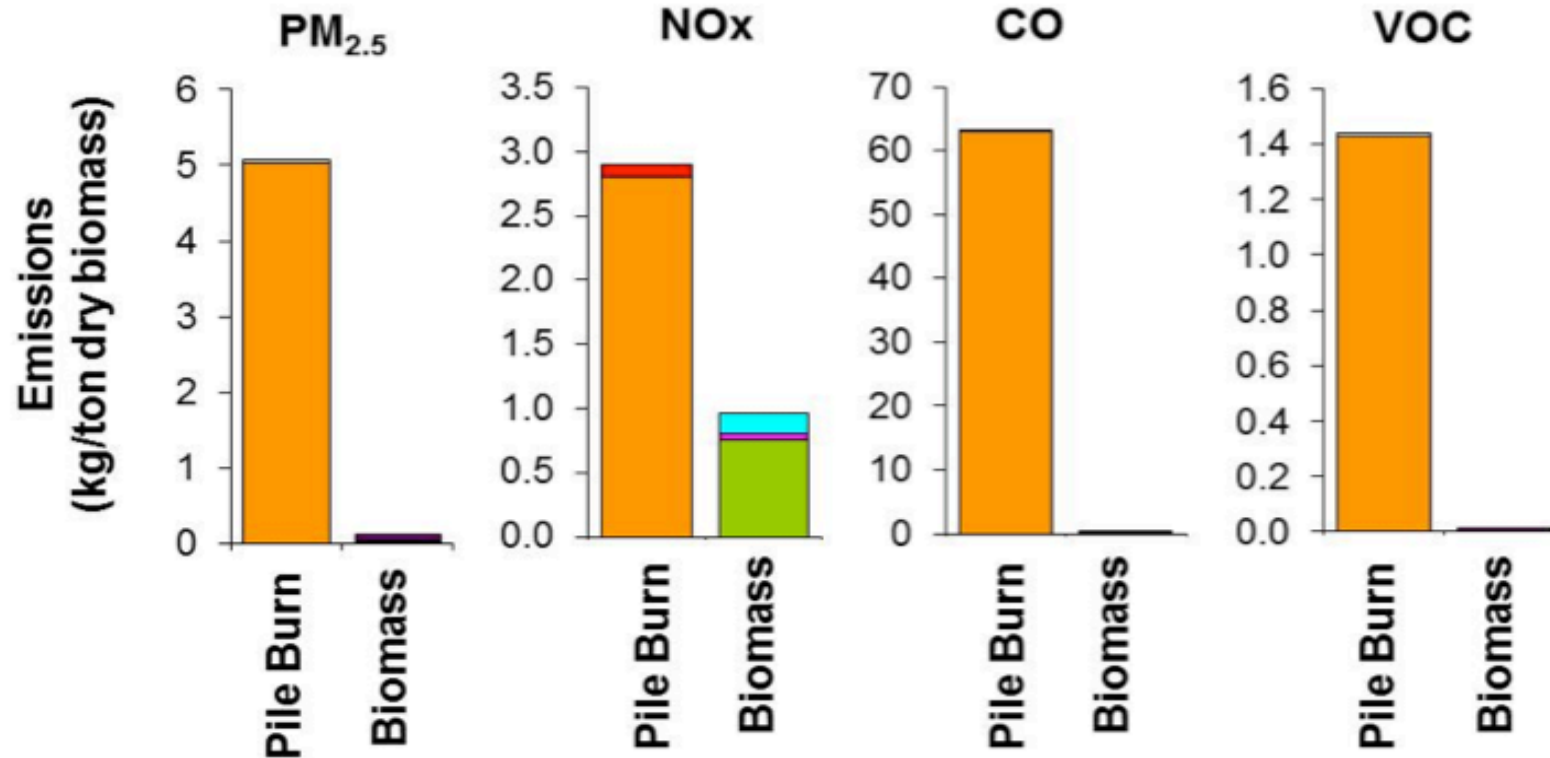
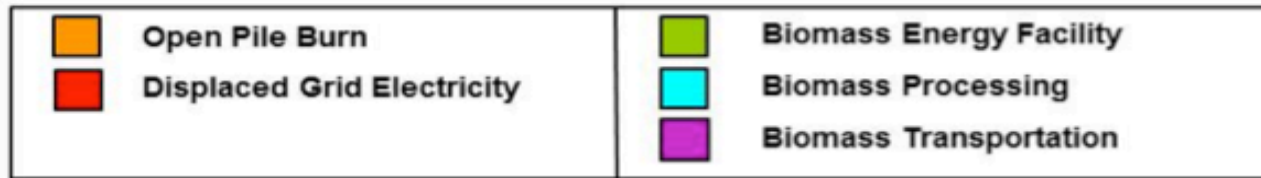


California Biogas Potential from Organic Waste

Feedstock	Amount Technically Available	Billion Cubic Feet Methane	Million Gasoline Gallon Equivalents
Landfill Gas	106 BCF	53	457
Animal Manure	3.4 M BDT	19.5	168
Waste Water Treatment Gas	11.8 BCF	7.7	66
Fats, Oils and Greases	207,000 tons	1.9	16
Municipal Solid Waste (food, leaves, grass)	1.2 M BDT	12.7	109
Municipal Solid Waste lignocellulosic fraction)	6.7 BDT	65.9	568
Agricultural Residue (Lignocellulosic)	5.3 M BDT	51.8	446
Forest, Sawmill, Shrub & Chaparral Residues	26.2 M BDT	256	2,214
BIOGAS POTENTIAL		468.5	4,044

80% of instate biogas potential is from cellulosic waste



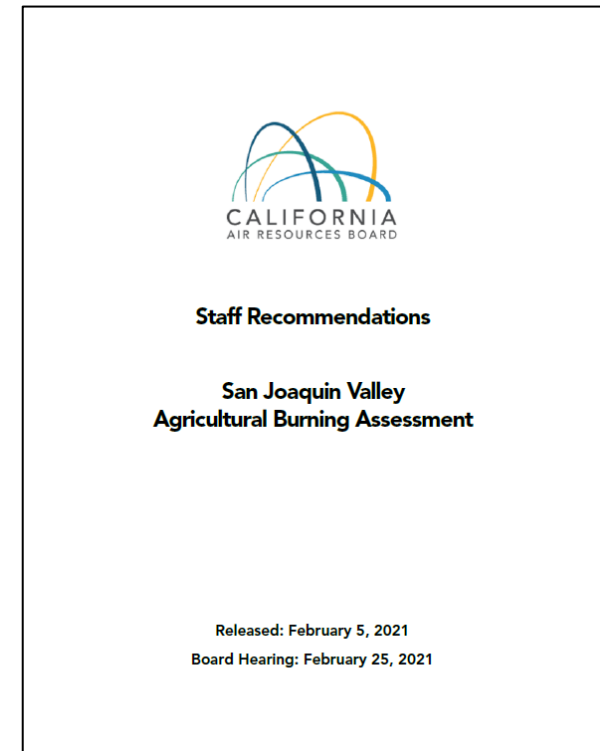
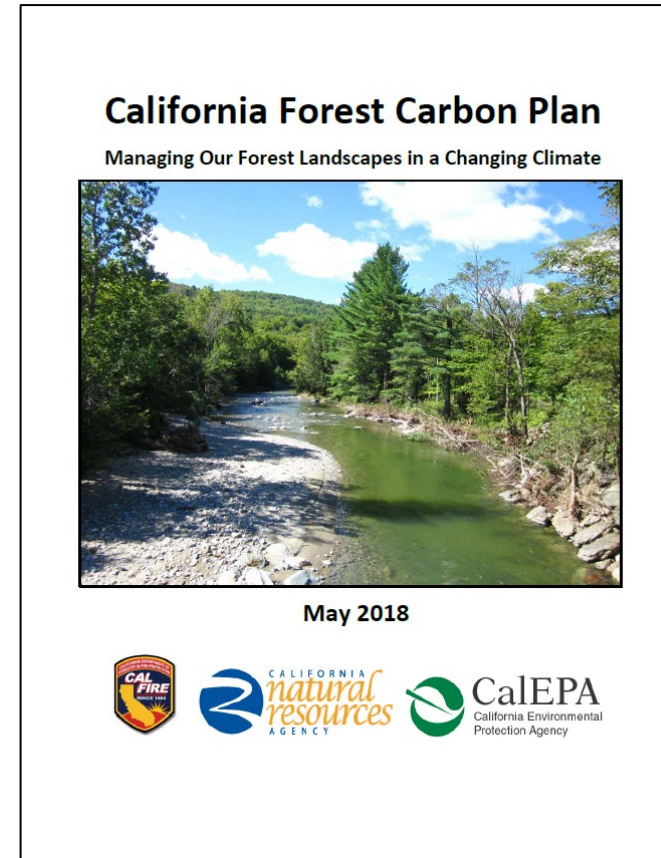
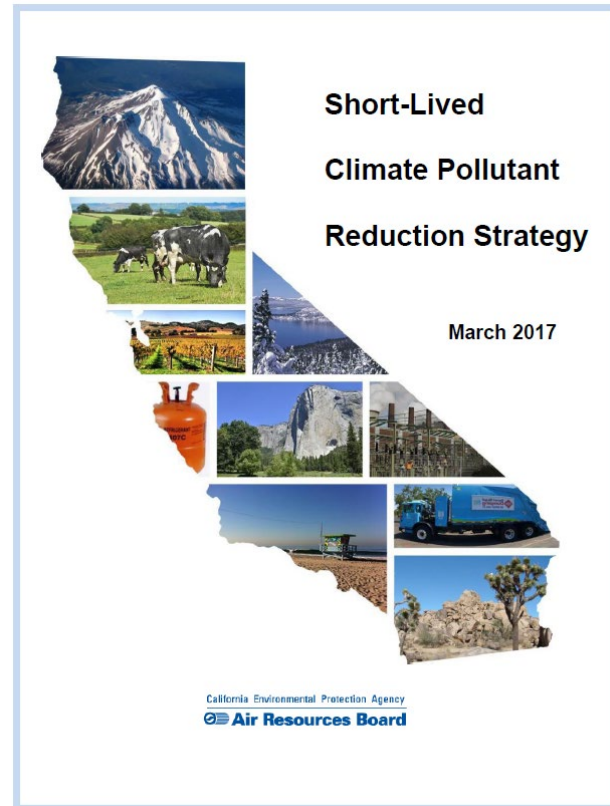


Biomass Reduces:

- PM_{2.5} and black carbon by 99%
- Methane and other VOC's by 95-99%
- NO_x by 40-70%

Source: Placer County Air Pollution Control District and the California Association of Air Pollution Control Officers

California's Climate Plans Call for Increased Bioenergy



How can California achieve 125 MT/year of negative emissions by mid-century?

- Natural and Working Lands



25 MT/year

- Waste Biomass Conversion to energy with CO₂ Storage



83 MT/year

- Direct Air Capture with CO₂ Storage



17 MT/year

Technological readiness: mid-to-high – no new breakthroughs required