

SB 824

Senate Committee on Environment and Natural Resources

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Diesel and Air Quality











Particle Size Matters





Alveoli Alveoli enlarged

Diesel Engines and Air Quality



On Road Diesel Engine Emission Standards





Clean Diesel Projects



Projected Diesel PM Risk in Oregon





Oregon Sources of Diesel PM - 2011





DEQ 2011 Emission Inventory

Oregon Heavy Duty Truck Fleet



Oregon Heavy Duty Truck Fleet



Multistate 320,090



Oregon Non-road Diesel ≥ 25 HP



By Emission Tier

EPA NONROAD Model

SB 824 - Funding for Clean Diesel



Nonroad diesel engine registration

Registration, fee and clean diesel funding 2017



SB 824 - Diesel Emission Requirements

Repeal state preemption of local regulation of idling

under Clean Air Act

Effective 2015



2022

Economics of Clean Diesel



Annual health/environmental impacts associated with highway, nonroad, marine and locomotive diesel vehicles

National \$296 billion

Oregon \$ 3.5 billion

Projected Diesel PM Risk in Oregon







Reducing diesel PM emissions has multiple benefits:

- Cancer risk
- Other toxics, e.g., formaldehyde
- Asthma induction and incidence
- Global warming
- Visibility, regional haze
- PM_{2.5} attainment