



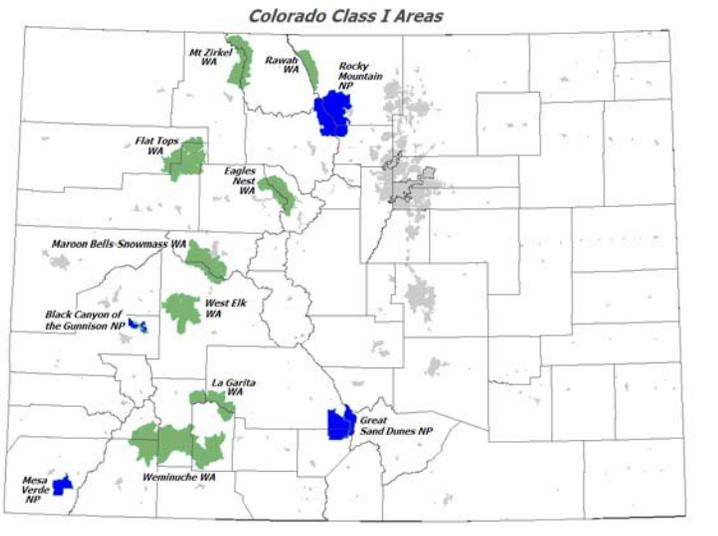
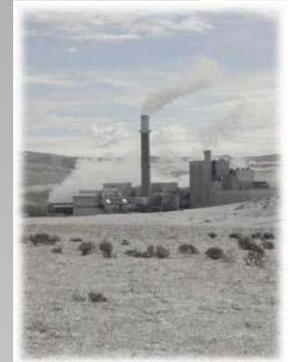
Colorado Department of Public Health and Environment

# Colorado Department of Public Health & Environment

## Regional Haze in Colorado & the Four Corners

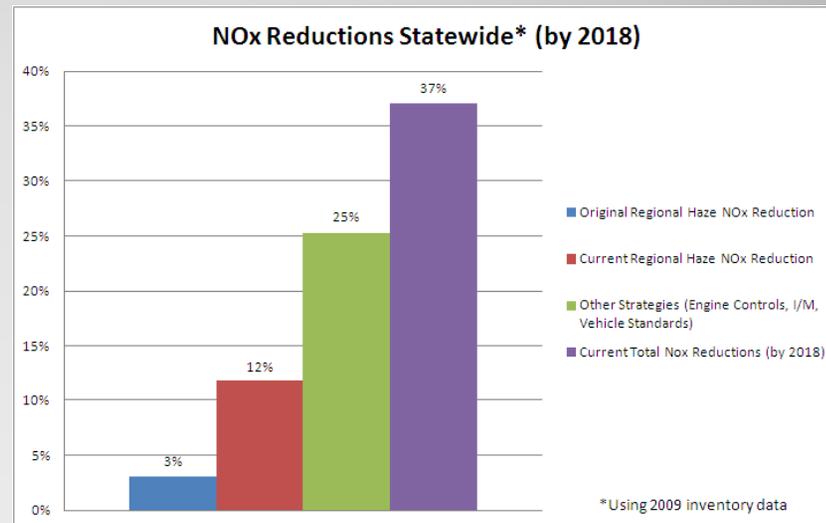
### Western Colorado Facilities affected by Regional Haze:

- Craig & Hayden Power Plants ~west of Steamboat Springs – new NOx controls, tighter SO2 limits
- Cameo Power Plant ~ east of Grand Junction – closure as of December 2010 – Innovative Clean Technology site
- Nucla Power Plant ~ southwest of Montrose – further investigation of additional NOx and SO2 controls



Congress... “declares as a national goal the **prevention of any future and remedying of any existing impairment of visibility in any mandatory Class I Federal areas which impairment results from man-made air pollution**” (1977 Clean Air Act, §169A)

**Mesa Verde National Park**



### Statewide RH Reductions:

- NO<sub>x</sub>: 34,744 tpy
- SO<sub>2</sub>: 35,776 tpy
- PM/PM<sub>10</sub>: 532 tpy
- **TOTAL: 71,082 tpy**



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## School Bus Retrofits in the Four Corners Area



88 school buses have been retrofitted in La Plata, Dolores, Montezuma and Archuleta Counties as part of the Colorado Clean Diesel Program. This will help protect approximately 5,000 school children from diesel exhaust exposure and save approximately 11,000 gallons of diesel fuel per year.

### Colorado Clean Diesel Program Emission and Idling Reduction Technologies

Crankcase filtration (CCF) – certified to reduce PM 2.5 emissions (inclusive of many toxics) from under hood by upwards of 95% . We also provide first two replacement filters.

Engine pre-heaters greatly reduce need for idling; can save 1 gallon per bus per day of diesel fuel

Diesel oxidation catalysts (DOC) – certified to remove at least 20% of PM and 50% of HC



Both gasoline and diesel exhaust contain many pollutants, including 47 EPA listed air toxics, many of which are carcinogenic. Diesel exhaust can aggravate or induce asthma and other respiratory, cardiac and neurological diseases