

Agriculture's use of Diesel and the Future



CAPCOA Conference
Diesel – What the Future Holds
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Where is a Diesel Engine used in Ag?

- Just about everywhere!
 - From the obvious...Tractors
 - To generators...
 - To welders...
 - To irrigation pumps...
 - To wind machines...
 - And even their cars...



Why has Diesel been Chosen?

- EFFECIENCY!! (Cost)

Benefits of Diesel Power over other Sources.

- Portability
- Fuel efficiency
- Fuel Costs
- Power availability
- Ease of Maintenance
- Durability

Incentive Programs

- SJV farmers have participated in the Carl Moyer program.
 - Since 1998, have replaced around 2800 non-certified diesel engines with either Tier I or Tier II engines.
 - There is concerns that these incentive funds will no longer be available due to recent legislation (even if the state finds a few \$).

Incentives...con't

- USDA/NRCS EQUIP (Environmental Quality Incentives Program).
 - Started offering incentives to replace engines in 2003.
 - Made available around \$3.5 million per year for three years.
 - 2003 – contracted for the replacement of about 200 engines in the SJV.

Future Regulations for Ag

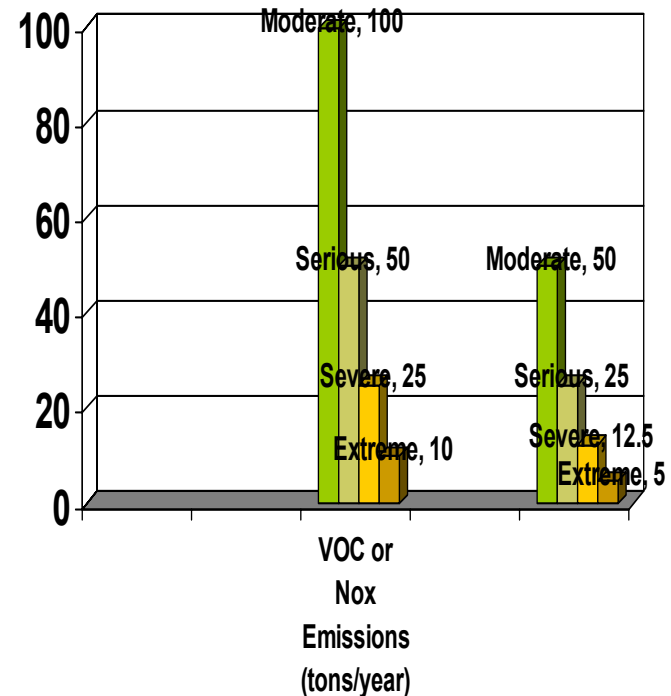
- ❑ Diesel ATCM –
- ❑ PERP-
- ❑ PE ATCM-
- ❑ AST Enhanced Vapor Recovery-
- ❑ CMP Program
- ❑ SB 705 – Ag Burning Phase-Out
- ❑ SB 700



SB 700

- Currently looking like the Title V Permit to operate...but,
 - Ag sources “local permit” threshold is 1/2 of the federal threshold.

Major Source/SB 700 Thresholds



Future

- Until another power source better in some way is available, diesel is with us.
 - In-Use controls are not the answer in agriculture.
 - Farmers have 0 (zero) ability to pass along increased regulatory costs.
 - Must rely on fleet turnover/incentive programs.