

Initial Information to STI

Comparison of Ambient
Measurements to Emissions
Representations in Modeling

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Information to be Provided

- RFP specifications:
 - Current status of the CCOS inventory
 - Methods for preparing inventories for modeling
 - Ambient data
- ARB provided first cut of information on October 5
- Iterative process to provide all data needed

Websites

- ARB's Emission Inventory
- Pointed to more information about stationary, area-wide, on-road and off-road mobile sources and speciation
- CCOS Baseline Emission Inventory Projections - report generators and documentation

CCOS Inventory Documentation

- Describes in detail how modeling inventories are developed
 - base and future years
 - by source category
 - includes temporal adjustments, spatial distributions and speciation
- Similar to the emission inventory portion of the modeling protocol for SJV and Sac

On-road Mobile Source Improvements

- Reflect new emissions standards
- Update heavy-duty diesel (emissions and activity)
- Update fuel correction factors
- Reflect I/M changes
- Update activity
- Other miscellaneous improvements

Off-road Mobile Source Improvements

- Reflect new emissions standards
- Update emissions and activity estimates
- Update fuel correction factors
- Other miscellaneous improvements

Stationary and Area-wide Improvements

- Update point and area sources
- Review growth and control assumptions
- Review facility and stack data
- Review codes used in inventory

Stationary and Area-wide Updates

- Livestock waste
- Consumer products
- Architectural coatings
- Pesticides
- Prescribed burning
- Wineries
- Wildfires
- Marine Vessels
- Landfill gas
- Auto refinishing
- Industrial solvent use
- Industrial coatings
- Ag irrigation engines

Spatial and Temporal Improvements

- Update Integrated Transportation Network
- Improve hourly temporal distribution in ITN
- Improve weekend/weekday adjustments
- Review/update temporal activity for stationary and area-wide sources

Speciation Improvements

- Complete review of OG and PM species profiles - update as needed
- Update speciation profile for:
 - consumer products
 - aerosol coatings
 - architectural coatings
 - livestock waste

Ambient Data

- CCOS Database
 - STI already has under CCOS contract “CCOS Data Validation”

Additional Information

- CCOS Placeholder Modeling Inventories
 - July 1999 and July/Aug 2000 episodes
- “Raw” Inventory Data (available soon)
- Intermediate Inventories - gridded, not speciated (available soon)