MOVES Update for FACA Modeling Workgroup

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EPA Office of Transportation & Air Quality
FACA Modeling Workgroup Meeting
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MOVES

- MOtor
- Vehicle
- Emission
- Simulator



Implementation Schedule

- MOVES2004: May 2004
 - On-road Energy consumption, CO₂, CH₄, N₂O
 - U.S. at county level inventories 1999 forward
 - Well-to-pump (GREET) integration
- MOVES2005: February 2005
 - Draft Aircraft, Commercial Marine, Locomotives
- MOVES2006: January 2006
 - Final Aircraft, Commercial Marine, Locomotives
 - Draft on-road criteria pollutants
- MOVES2007: June 2007
 - Final on-road
 - Draft non-road



MOVES2004 Release

- Draft model
- Documentation
 - Emission input development
 - National default fleet & activity input development
 - Model results
 - Validation, sensitivity, uncertainty, results
 - Design documentation
 - User's Guide
- Will plan workshop, training
- Will trigger new review process



MOVES2004 Status

- Majority of coding complete
- Emission data gathering complete
- Internal working version end of November
 - National default fleet & activity data loaded
 - First-cut emission rates binned
- Advanced technology modeling in progress
- GREET integration underway
- CH₄/N₂O analysis near completion



Today's Topics

- Default Fleet & Activity Inputs (Megan Beardsley)
- Emission Data Gathering (Carl Scarbro)
- Emission Rate Development (John Koupal)
- Advanced Technology Modeling (Ed Nam)
- CRC Review of MOVES (ENVIRON)
 - Discussion of CRC, NYDEC comments
- MOVES Demonstration (Mitch Cumberworth)