

HDV/LDV Technical Workgroup meeting Nov 21st, 1-2pm PST

Attendees: Joe Ray (Starcrest), Archana Agrawal (Starcrest), Cindy Lin (POT), Ron Stuart (POT), Christine Wolf (POS), Kelly McGourty (PSRC), Sally Otterson (Ecology)

Meeting agenda

- Availability of Moves for modeling.
- Use of Moves and Mobile 6 for the inventory
- Any special data collection requirements needed for Moves not reflected in terminal data collection worksheets.
- Discuss timing and points of contact for data collection and submission.
- Answer any questions about data collection or data worksheets.

Topics Discussed

Moves for Modeling

Moves is available for use. Ecology is developing inputs to Moves now. Licensing information (DOL) will be available in January but could be requested early if the timeline requires. PSRC will be running both models for the inventory. PSRC will work closely with Ecology to make the transition to Moves.

How do we use Moves and Mobile6

There can be differences between the two models. There is information available that discusses the differences (independent of this application) for the two models available. Depending on the magnitude of the difference, comparing both models (side by side) in the report could make the HDV/LDV results confusing. For comparison, Moves 2005 should be compared to Moves 2011. Moves will be run on 2005 data and the report will compare/discuss the differences in model results for 2005. Moves will be used for 2011 data and compared to Moves used for 2005 data.

Data requirements

For the 2005 Moves run some adjustment of assumptions may be needed to run the model because inputs are different. For 2011 Moves run, existing on terminal data requests are OK. Moves can produce emission factors for on terminal speeds, but the vehicle classifications are different. Starcrest will work with PSRC and Ecology to adjust on-terminal emission calculators to accommodate Moves speed buckets and vehicle classifications.

There is a need for Port data showing gate activity and age distribution. Truck registries contain information about truck that may enter the terminal. The Port of Tacoma has estimated only 45% of the registry trucks actually visit the terminals. The best information is activity and age distribution for trucks entering the terminals.

Port of Tacoma has gate activity and age information. Port of Seattle will explore mining data from terminals. Truck activity and information may be available from OCR or RFID systems to determine truck age for trucks entering Seattle terminals for 2011.

The data sheets provided to the terminal operators are sufficient for other on-terminal activity data needed for moves modeling. Off terminal model input information will be supplemented by the truck counts and age distribution provided by the Ports.

In 2005 Starcrest ran mobile6 to obtain emission factors for on terminal emissions. For 2011, PSRC will provide truck emission factors from the Moves run to Starcrest for on terminal emission calculation.

Timing

Port truck activity and age distribution information to Kelly, Sally and Joe by mid January.

Mid December decision to run Moves for 2005 or run Moves and Mobile6 for 2011.

Misc.

Port of Tacoma and Seattle have made significant efforts to reduce truck emission at the local level. The local reductions may not be reflected in regional results. Something to consider for the report when we get closer to producing a draft, and pending available funds for a more detailed report.

Next meeting Mid December to discuss the ability to run Moves for 2005.

Action Items

- Kelly will re-send the 2005 methodology to the workgroup .
- Kelly will meet with PSCR's modeling group and update the methodology and share with this technical workgroup. Christine will review and comment for the Ports.
- Sally and Kelly to review the feasibility of running Moves for 2005.
- Kelly to run Mobile6 for 2011 for insurance in case the 2005 Mobile6 run is not feasible.
- Joe to determine drop dead date for obtaining truck emission factors from PSRC.
- Ron to inquire Anacortes, Everett and Olympia about truck information availability.