



Item 6

MOVES Status Report

Sunil Kumar

MWAQC Meeting, COG

September 22, 2010




What is MOVES?


- ❖ MOVES - EPA's new emissions estimation model for onroad mobile sources
- ❖ MOVES2010 - Released in December 2009
- ❖ MOVES2010a - A new version released in September 2010
- ❖ Will replace existing Mobile6.2 model beginning March 2012




MOVES Vs Mobile6.2 (SIP & Conformity Implications)

❖ MOVES produces more emissions than Mobile6.2

❖ VOC – 6% 

❖ NOX – 44% 

❖ PM2.5 – 132% 

(Based on COG's preliminary analysis)

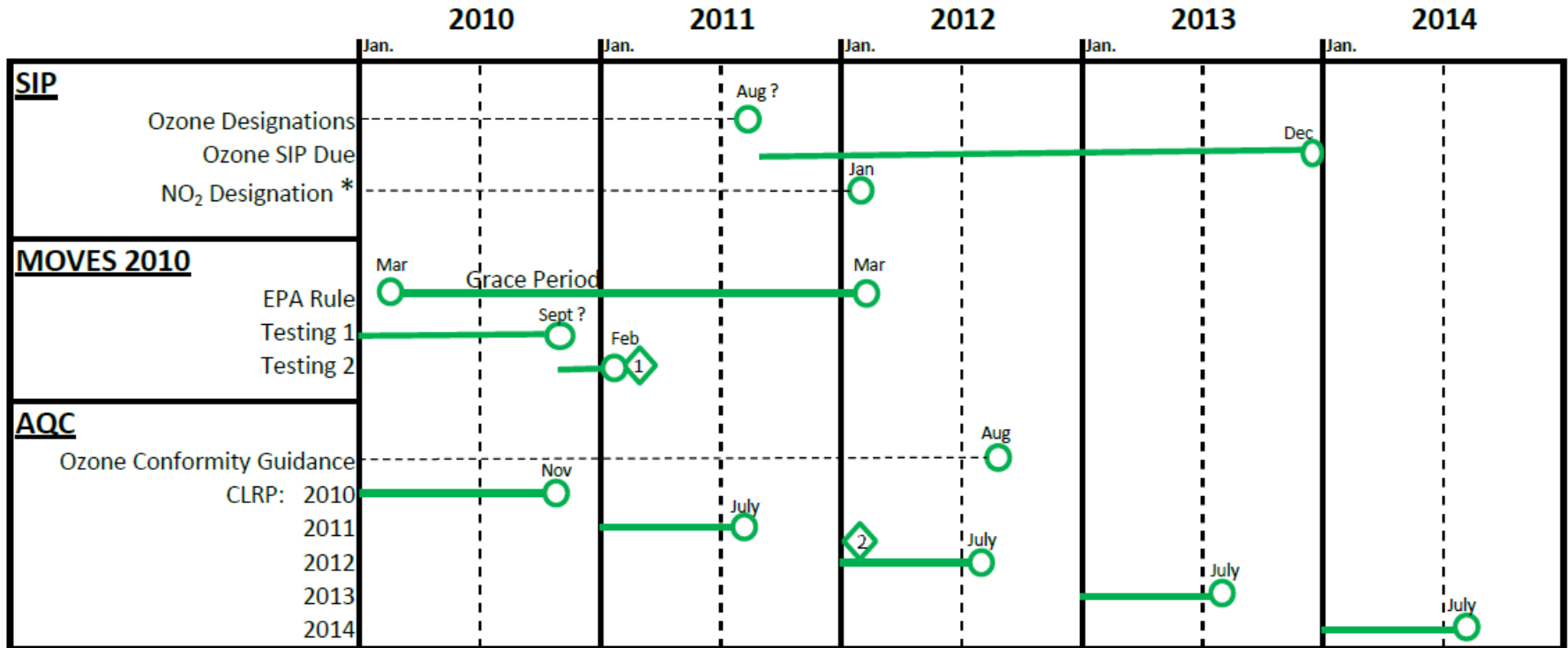
❖ No change in actual emission, only estimation

❖ Conformity - Meeting existing mobile emissions budgets (limits) in ozone & PM2.5 SIPs might pose a challenge

❖ A number of options being looked into for this issue



MOVES Schedule



NOTES:

- MOVES Testing 1. Develop local inputs and modeling approach, and apply to 2009 CLRP travel
- 2. Finalize methods and apply to 2010 CLRP Travel



- DECISION POINTS 1. Assess preliminary emissions vs. budgets: available options?
- 2. Assess actual emissions vs. budgets: available options?

* NO₂ Roadside Monitoring Network and results in 2016 or 2017