Maryland Commission on Climate Change
Mitigation Working Group
March 14, 2016 from 12:00 – 2:00
Maryland Department of the Environment

In Attendance: Tad Aburn; Mike Powell; Stuart Clarke; Brain Hug; Mike Remsberg; Ian Ullman; Drew Cobbs; Melanie Santiago-Mosier; Susan Payne; David Costello; Dan Engleberg; Tom Ballentine; Marissa Gillette; Michael Leslie; Colleen Turner; John Fiastro; Matthew Fleming; R. Daniel Wallace; Kelly Ann Few; Dave Sewell; Mike Covanta; Frazier Blaylock;

On Phone: Rebecca Ruggles; Arjun Makhijani; Ryan McCarthy (CARB)

Agenda Item # 1: Welcome and Introductions

Meeting was called to order at 12:00 pm. Tad opened the meeting with a discussion of the Agenda and gave each participant a chance to introduce themselves.

Agenda Item # 2: Update on GGRA Legislation – MWG Co-Chairs

Thanks to all working participants, especially Senator Pinsky

Agenda Item # 3: Initial Briefing/Discussion on Short-Lived Climate Pollutants

See supplemental material included in meeting packet. Also posted here: MCCC website

Q/A Session following panel SLCP presentations

How does CA quantify individual pollutant impact when they each have different impact?
- 20 year and 100 year Global Warming Potential Factors for each SLCP
- IPCC 4th edition GWP factors were used by CA
- IPCC 5th edition factors are available

Is incentivizing alternatives to diesel in transport sector part of CA plan?
- Yes, but not in SLCP plan. Part of larger transportation planning process.

What financial incentives are available in CA for SLCP mitigation?
Is Cap/trade revenue the primary funding source?
- No, transportation funding contributes significant share in SLCP mitigation

What about the potential for SLCP programs and the displacement of incumbent cap/trade programs?
- Not an issue in CA, because Cap/Trade fun is growing so rapidly and is in the budget planning process
- Transportation fuel tax doubled available funding, so C/T funds not significant
- No programs needed to be cut to fund mitigation work

What other SLCPs are part of C/T program?
Pollutants that are difficult to measure are not included in C/T
Off-set measures are a way to include SLCPs that aren’t included in C/T
The exception is Landfill emissions which are regulated under alternative rules

Why are HFC’s increasing so dramatically? In Maryland? Nationally?
The increase in HFC emissions as indicated by the Maryland figure is business as usual (BAU) which does not include any emission control programs starting at a 2006 baseline. Programs to incentivize substitutes or emission control measures could greatly reduce the projected increase.

How are Maryland’s Methane emissions apportioned? Can the sources be isolated?
- Not sure. MDE will send out more info about Methane inventory

Are MD’s electricity utilities participating in the STRIDE program?
- Yes, 3 have signed on to modernize the NG delivery system

Process question: How should the MWG proceed following the informative presentation?
- Notify MDE with feedback and ideas.
- As MWG moves ahead, the conversation will be focused on making recommendations to MCCC

Should MWG be looking into MD’s leaky NG wells?
- MDE will look into it. <10 NG wells are leaking in MD. Perhaps the coal mines are a more significant source of fugitive Methane

How does CA compare to MD with respect to Methane inventory?
- MDE will follow up with a more detailed look at our Methane inventory

Is MDE reaching out to local governments to discuss Methane leaks?
- Not directly

Is the Methane inventory broken out into local emissions?
- MDE will provide most current inventory to MWG

What are MD’s current diesel programs that target Black Carbon? Can we enhance them?
- No programs target BC, but MD has several programs (some federal) that have been successful in reducing diesel and PM emissions. Enhancing them should be considered.

**Agenda Item # 4: Finalize MWG Work Plan**

Review priorities
- 40% by 2030 plan. How difficult or easy it will be to achieve the 40% reduction.
- New or enhanced GHG emission reduction strategies for the 25% by 2020.
- Emerging analytical issues and opportunities: Examples : enhanced economic analyses, social equity, methane leakage and methane life-cycle issues
- Routine status reports to the MCCC summarizing the implementation status of each program in the current GGRA plan

Add language that reads: The Commission will update/adjust Work plan content and schedule as necessary.
Meeting Schedule Update

- **On July 25th meeting:** In addition to the ZEVs/Electric Vehicles/TCI please add EVIC to the agenda
- Leave other dates as-is – following discussion about PSC ruling(s).

Agenda Item # 5: Next Steps/Action Items – MWG Co-Chairs, MDE

- Adjust language in Work plan
- Update agenda for 6/25 MWG meeting
- Provide MWG with Maryland Inventory info
- MDE follow-up on black carbon calculations and methane inventory and HFC projections