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# Update on OTC Fall 2015 Meeting

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# Photochemical Modeling Update

- OTC Modeling Committee is currently working to:
  - Develop and improve emissions inventories for 2011, 2017, and 2028
  - Revise the 2018 future year projection to 2017
  - Develop emission estimates for High Electricity Demand Days (HEDD)
  - Episodic modeling for sensitivity runs
  - Assess attainment status and modeling needs for the 2015 ozone NAAQS revision

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# High Electricity Demand Days (HEDD)

- More electricity generation on HEDD
  - More generation leads to more emissions
  - HEDD days typically occur on hot, humid days that are already conducive to high ozone
  - Therefore the higher emissions often occur during critical periods
  
- Not all emissions during HEDD periods reported
  - Emissions need to be added to the inventory during HEDD periods to reflect actual emissions

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# Episodic Modeling

- Developing a tool to conduct policy relevant scenarios quickly that replicate key portions of ozone seasons
- Focus on a time period from late June to early August 2011
  - Representative of many key meteorological regimes
  - Contains several HEDD events

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# Mobile Source Update

- Sectors of High Emission Reduction Potential
  - Heavy Duty Diesel Trucks
  - Passenger Vehicles
  - Movement of Goods
  - Construction Equipment
  - Pleasure Craft
- Ports & Petroleum Transfer Activities
- Diesel I/M & SIP Credit
- VMT Strategies

# Mobile Source Update

- **Aftermarket Converters**
  - Incorporating a CARB converter program into MOVES to analyze emission reduction
  
- **Anti-Idling**
  - Diesel Truck – DC & VA (3 minutes), MD – 5 minutes
  - Nonroad diesel – DC (3 minutes) & MD (5 minutes)
  
- **EPA SmartWay® Transport Partnership**
  - Promote sustainable goods movement in supply chain Reduce economic, energy and environmental costs of goods movement
  - • Freight Shippers • Carriers • Logistics Companies
  - DC & MD - Affiliates

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# Area Source Update

- Demand and Emergency Generator Information
  - Estimate emissions from demand response generation units
  - Develop recommendations for potential control strategies
  - Identified two separate but related groups of sources that contribute to emissions on HEDD days
    - Behind the meter units - Emission and locations may not be known and may not be in the inventory
    - Smaller EGUs not in CAMD database (<25 MW) - Annual emissions and location known and in the modeling inventory