



Overview of Mercury Measurements



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Workshop Objective, Approach

- Bring the “experts” together to share experiences and issues
- Improve the overall quality of mercury measurements
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- Panel discussion of experts
- Audience – provide a user’s perspective
- Constraints:
 - Time – squeeze a lot into 1 day
 - **No policy comments!!!**

Mercury Measurements

- Ontario Hydro Method
 - ~2 hour flue gas sample
 - Chemical solutions to capture Hg
 - ASTM; used in the EPA “ICR” study
- CEMs - also called “CMM” and “SCEM”
 - Still developmental, unlike SO₂, NO_x
 - Measurement every 2 to 5 minutes
 - Must convert Hg(2) to Hg(0) before analyses
- QuickSEM™ – EPRI development
 - EPA “draft” method 324
 - Integrated sample over hours to weeks
 - Uses a solid sorbent (carbon)



“Typical” Hg Measurement Results (9 days) Hg CEMs and Ontario Hydro

