Low Temperature Aftertreatment (LTAT) **Test Protocol Development**

Why

- Assist DOE and USDRIVE in evaluation and management of solicited projects
- Provide strategy of test standardization for sharing material performance evaluation in open public forum
- Support fundamental materials development and strategy for comparative evaluation and benchmarking

Aspirations

- General industry consensus
- Consistent with anticipated technologies
- Accurate, Reproducible, Realistic
- Simple, Inexpensive to perform

Reactor Base-lining

- Ensure reported data dictated solely by material behavior
- Excludes artifacts (e.g., equipment effects)
- Suggest user conduct one-time blank base-lining without



Conversion

Performance

Functionality

USDRIV



Can we get to 'one-size-fits-all'?

Suggest {≤5°C/min > 400°C}, {≤2°C/min < 400°C}

- omission from feed for carbon balancing
- 12. Catalyst powder particle size requirement

Final Definition-9/1/14 - 2 to 3 per combustion mode

Combustion

mixed in various magnitudes to accurately represent HC profile