

August 14, 2012

MEMORANDUM FOR: JOHN CONTI
ASSISTANT ADMINISTRATOR FOR ENERGY
ANALYSIS

PAUL HOLTBERG
TEAM LEADER
ANALYSIS INTEGRATION TEAM

JIM TURNURE
DIRECTOR
OFFICE OF ENERGY CONSUMPTION AND EFFICIENCY
ANALYSIS

FROM: TRANSPORTATION CONSUMPTION & EFFICIENCY
ANALYSIS TEAM

SUBJECT: First AEO2013 Transportation Working Group Meeting Summary
(presented on 08-14-2012)

Attendees: Aaron Bergman (DOE/PI)
Jeff Cole (EPA/OTAQ)
John Conti (EIA/OEA)
Walter Gazda (DOT/VOLPE)
Dave Gelman (New West Technologies)
Kevin Green (DOT/VOLPE)
Carrie Huges-Cromwick (EIA/OES)
Therese Langer (ACEEE)
Kevin Lillis (EIA/OEA)
Melissa Lott (DOE/CF)
John Maples (EIA/OEA)
John Meyer (SAIC)
Tien Nguyen (DOE/EERE)
Dennis Smith (DOE/EERE)
Jim Turnure (EIA/OEA)
Tom White (DOE/PI)

Attending by Phone: Megan Beardsley (EPA/OTAQ)
Bill Charmley (EPA/OTAQ)
John Davies (DOT/FHWA)
Ben Ellies (EPA/OTAQ)
Aaron Hula (EPA/OTAQ)
Ari Kahan (EPA/OTAQ)
Ken Katz (DOT/NHTSA)
Nico Kydes (OnLocation)

Ed Nam (EPA/OTAQ)
Luke Tonachel (NRDC)
Jake Ward (DOE/EERE)
Frances Wood (OnLocation)

Presenters: Nick Chase
Trisha Hutchins

**WORKING GROUP PRESENTATION FOR DISCUSSION PURPOSES ONLY
DO NOT QUOTE OR CITE AS RESULTS ARE SUBJECT TO CHANGE**

The working group presentation provided a discussion of the projects underway and anticipated for AEO 2013. An overview of the projects discussed is included in the presentation materials provided as a separate attachment.

Specific discussion/questions:

1. The expected release date and projection horizon for the AEO2013 Reference case were discussed as well as whether there would be an early release case with a final reference case to follow. EIA plans to release only one Reference case this year and is planning to provide projections to year 2040.
2. EIA was asked if the AEO2013 Reference case and other side cases would include the EPA/NHTSA GHG and CAFE standards for light duty vehicle model years 2017 through 2025. EIA indicated that if the standards are finalized before the release date, then they will be included in the Reference case.
3. EIA was asked if the EPA/NHTSA technology updates related to the proposed rule making were adopted, would additional advanced technologies be represented post 2025. EIA indicated that the technology menu for light duty vehicle would include technologies not listed in the EPA/NHTSA rulemaking. EIA also stated that it was seeking additional technology attribute data for potential impacts on vehicle weight and horsepower.
4. EPA and NHTSA both stated that they would support EIA efforts to incorporate their technology information by providing detailed data and information on their assumptions and review of our technology efficiency and cost assumptions.
5. EIA stated there would be a separate meeting scheduled to discuss the EIA developed technology input assumptions that would be limited to a self selected sub-group of the working group.
6. EIA was asked about methodologies to cost out on-board storage of LNG and CNG. EIA indicated that it had worked with industry suppliers to estimate storage costs. EERE indicated they may have additional information that could be provided.
7. EIA was asked how it addresses risk in determining purchase of natural gas vehicles and the development of natural gas fueling infrastructure. EIA indicated that it used published payback periods and annual travel estimates to determine costs effectiveness to consumers. Questions about infrastructure development were directed to the oil and gas supply working group.

8. EIA was asked if it disaggregated the heavy truck market into segments (like refuse or bucket trucks) that best fit LNG and electric vehicle applications and how LNG and electric vehicles were competed in the model. EIA does not model specific vehicle market/applications and LNG and electric vehicle types are competed on a cost effectiveness basis given average rates of fuel consumption by the segments modeled.
9. EIA requested data and information on freight truck market segmentation and fuel use and on locomotive use and operation.

Complete Listing of Invitees:

Alex, Aileen	DOE/CFO
Alson, Jeff	EPA/OTAQ
Charmley, Bill	EPA/OTAQ
Chase, Nick	EIA/OEA
Chien, David	DOT/RITA
Coe, Ed	EPA/OTAQ
Cole, Jefferson	EPA/OTAQ
Davis, Stacy	ORNL
Davies, John	DOT/FHWA
Duleep, KG	H-D Systems
Ellies, Ben	EPA/OTAQ
Garg, Rishi	OPC
Gazda, Walter	DOT/VOLPE
Gelman, Dave	New West Technologies
Green, Kevin	DOT/VOLPE
Greene, David	ORNL
Hassenboehler, Tom	ANGA
Herzog, Erik	EPA/OTAQ
Holtberg, Paul	EIA/OEA
Howden, Ken	DOE/EERE
Huges-Cromwick, Carrie	EIA/OES
Hula, Aaron	EPA/OTAQ
Hutchins, Trisha	EIA/OEA
Hwang, Roland	NRDC
Kaarsberg, Tina	DOE/EERE
Kafalenos, Robert	DOT/FHWA
Kahan, Ari	EPA/OTAQ
Katz, Ken	DOT/NHTSA
Kliesch, Jim	UCS
Kydes, Nico	OnLocation

Langer, Therese	ACEEE
Lillis, Kevin	EIA/OEA
Lipman, Zoe	NWF
Lott, Melissa	DOE/CFO
Maples, John	EIA/OEA
Mayes, Fred	EIA/OEA
Memmott, Jeffery	DOT/RITA
Mesnikoff, Ann	Sierra Club
Meyer, John	SAIC
Mintz, Marianne	ANL
Moore, Jim	TAE
Neff, Shirley	EIA/OA
Nguyen, Tien	DOE/EERE
Norris, Sylvia	EIA/OES
Prugar, Andrew	EPA
Schaufele, Roger	DOT/FAA
Santini, Dan	ANL
Shpitsberg, Anna	DOE/CFO
Smith, Jason	ANGA
Plotkin, Steve	ANL
Stork, Kevin	DOE/EERE
Sylvan, Stephan	EPA/OAR
Tonachel, Luke	NRDC
Turnure, Jim	EIA/OEA
VanSchalkwyk, John	DOT/VOLPE
Venu, Ghanta	EPA/OA
Ward, Jake	DOE/EERE
White, Tom	DOE/PI
Whitman, Pete	DOE/PI
Wolcott, Mark	EPA
Wood, Frances	OnLocation