

## Global Hydrocarbon Supply Modeling Project Workshop

8, 9, 10 April 2014

### Venue:

Leidos-Mclean/Enterprise Center, Tyson's Corner

8301 Greensboro Drive, McLean, Virginia

Room: Hopper/Joule (T-Level) Tel: 703-676-4300

### Tuesday April 8<sup>th</sup> 2014

- 9:00 - 9:10 Welcoming remarks by **Adam Sieminski**, EIA Administrator
- 9:10 - 9:45 Introduction by **Michael Schaal**, Director of EIA Office of Petroleum, Natural Gas and Biofuels Analysis
- Day 1**      **Petroleum supply**
- 9:45 – 11:15 “A new approach to petroleum supply modeling” by **Michael Lynch**, President of the Strategic Energy & Economic Research, Inc.
- Discussant: **Rick Westerdale**, Director of Public Diplomacy, Energy Bureau, U.S. State Department
- Moderator: **John Staub**, EIA Team Lead, Exploration and Production Analysis
- 11:15 – 11:30 Coffee break
- 11:30 – 1:00 “Issues of modeling greenhouse policies and oil resource production” by **Christophe McGlade**, Research Associate, the Institute for Sustainable Resources, University College, London
- Discussant: **Fred Murphy**, Professor Emeritus, Temple University and Senior Visiting Fellow at the King Abdullah Petroleum Studies and Research Center
- Moderator: **John Conti**, EIA Assistant Administrator for Energy Analysis
- 1:00 – 2:30 Working Lunch: “Relevance of macroeconomics in modeling global oil and natural gas trade”, **Fred Joutz**, Professor of Economics, George Washington University and Senior Research Fellow at the King Abdullah Petroleum Studies and Research Center
- 2:30 – 4:00 “Developing oil and natural gas supply models to meet user needs” by **Andrew Slaughter**, former Manager, Shell's Upstream Americas E&P
- Discussant: **Jim Dorian**, Senior International Energy Economist, **TBC**

Moderator: **Michael Schaal**, Director of EIA Office of Petroleum, Natural Gas and Biofuels Analysis

### **Wednesday April 9<sup>th</sup> 2014**

#### **Day 2 Global natural gas and biofuels supply**

9:00 – 10:30 “Modeling global natural gas – markets in transition: the intersection of above-ground and physical market variables” by **Ken Medlock**, Adjunct Professor and Lecturer, Economics Department, Rice University

Discussant: **Morten Frisch**, Senior Partner, Morten Frisch Consulting

Moderator: **Angelina LaRose**, EIA Team Lead, Natural Gas Analysis

10:30 - 11:00 Coffee break

11:00 – 12:30 “Network Oriented, Multiregional, Walrasian, Fixed Point Models of World Oil-Refining-Products-LDV and World Natural Gas” by **Dale Nesbitt**, CEO, ArrowHead Economics and Adjunct Professor, Management Science & Engineering Department, Stanford University, and **Antoine Calvez**, Senior Associate, ArrowHead Economics LLC.

Discussant: **Andy S. Kydes**, former EIA Senior Technical Advisor

Moderator: **David Daniels**, EIA Chief Energy Modeler, Office of Energy Analysis

12:30 – 2:00 Working Lunch

2:00 – 3:30 “Natural gas liquids supply modelling – lessons learned, challenges ahead” by **Anne Keller**, Manager, NGL Research, Wood Mackenzie, Inc.

Discussant: **Vivek Mathur**, Senior Analyst, Energy Security Analysis, Inc.

Moderator: **William Brown**, EIA Senior Operation Research Analyst, Biofuels and Emerging Technologies Analysis

3:30 – 4:00 Coffee break

4:00 – 5:30 “Modelling international biofuel markets” by **Julian Binfield**, Market/Policy Research Assistant Professor, University of Missouri–Columbia, Food and Agricultural Policy Research Institute

Discussant: **Seth Meyer**, Senior Economist, Office of the Chief Economist, U.S. Department of Agriculture

Moderator: **Mindi Farber-DeAnda**, EIA Team Lead, Biofuels and Emerging Technologies Analysis

6:00 ***Expert group dinner with the EIA Administrator***

**Thursday April 10<sup>th</sup> 2014**

**Day 3            Petroleum refining and logistics**

9:00 – 10:30    “Modeling logistics and refining” by **Dave Hirshfeld**, President, MathPro Inc

Discussant: **Charles Kemp**, Senior Consultant, Baker & O’Brien Inc.

Moderator: **John Powell**, EIA Team Lead, Liquid Fuels Analysis

10:30 – 11:00    Coffee break

11:00 – 12:30    “Global refining modeling” by **Vincent DiVita**, Group Manager, Jacobs Consultancy - Petroleum, Chemicals and Energy Practice

Discussant: **Martin Tallett**, President, EnSys Energy & Systems, Inc.

Moderator: **Michael Schaal**, Director of EIA Office of Petroleum, Natural Gas and Biofuels Analysis

12:30 – 1:30    Working Lunch

1:30 – 3:00    “Analyzing petroleum product supply at the country level” by **Sarah Emerson** and **Andrew Reed**, Principals, ESAI Energy LLC.

Discussant: **Terry Higgins**, Executive Director of Refining, Hart Energy Consulting

Moderator: **Lynn Westfall**, Director of EIA Office of Energy Markets and Financial Analysis

3:00 – 3:30    Closing remarks by **David Daniels**, EIA Chief Energy Modeler, Office of Energy Analysis

3:30 – 4:00    What’s next? by **Michael Schaal**, Director of EIA Office of Petroleum, Natural Gas and Biofuels Analysis.