

**Waste-to-Energy using Fuel Cells Workshop**  
**Capital Hilton Hotel, Washington DC**  
**January 13th, 2011**  
**8:30 am to 5:00 pm**

**Agenda**

8:30 am            Welcome, introductions and meeting logistics  
*Pete Devlin, Department of Energy (DOE) Fuel Cell Technologies Program*

**Overall Purpose**

- To identify DOD-DOE waste-to-energy and fuel cells opportunities
- To identify challenges and determine actions to address them
- To determine specific ways fuel cell and related technologies can help meet Executive Order 13514 requirements
- To identify the next steps for collaboration

**Background Materials Provided**

- DOD-DOE MOU –  
<http://www.energy.gov/news/documents/Enhance-Energy-Security-MOU.pdf>
- Executive Order 13514 - <http://edocket.access.gpo.gov/2009/pdf/E9-24518.pdf>

9:00 a.m.            **DOE Perspectives**  
*Steven Chalk, Chief Operating Officer and Acting Deputy Assistant Secretary for Renewable Energy, DOE Energy Efficiency and Renewable Energy*

9:10 a.m.            **DOD Perspectives**  
*John Conger, Assistant Deputy Under Secretary of Defense (Installations and Environment)*

9:20 a.m.            **DOE Fuel Cell Technologies Program Overview**  
*Sunita Satyapal, DOE Fuel Cell Technologies Program Manager*

9:35 a.m.            **Fuel Cell Hydrogen Energy Association Industry Overview**  
*Ruth Cox, Director, Fuel Cell Hydrogen Energy Association*

9:50 a.m.            **Waste-to-Energy and Fuel Cell Technologies Overview**  
*Robert Remick, Director, National Renewable Energy Laboratory Hydrogen Technologies Center*

10:20 a.m.            **Break**

10:35 a.m.            **Gills Onions Project, A Success Story**  
*Dave Reardon, Director, HDR Engineering*

10:55 a.m.            **Waste-to-Energy Projects at Military Bases**  
*Frank Holcomb, Energy Branch Chief, US Army CERL*

- 11:15 a.m. **Fuel Cell CHP Waste-to-Energy Projects**  
*Frank Wolak, Vice President, Fuel Cell Energy*
- 11:35 a.m. **Waste Gas Clean Up**  
*Brian Weeks, Engineering Manager, Gas Technology Institute*
- 12:00 p.m. **LUNCH**
- 1:00 p.m. **Waste to Energy Power Production at DOE and DOD**  
*Joe Price, Business Manager, Ameresco*
- 1:20 p.m. **Power Purchase Agreements**  
*Robert Westby, Program Manager, National Renewable Energy Laboratory  
Federal Energy Management Program*
- 1:40 p.m. **Facilitation Explanation and Logistics**
- 1:45 p.m. **Break**

**Facilitated Discussion – 2 Break Out Rooms**

- 2:00 p.m. **Opportunities Identification**
- What are the near term opportunities for deploying fuel cells at DOD and DOE facilities using waste-to-energy feedstock's?
- 3:00 p.m. **Challenges**
- What are the specific challenges associated with the opportunities identified?
- 4:00 p.m. **Plan of Action**
- What actions are needed to implement these opportunities?
- 4:30 p.m. Break out teams report out and recap of action items
- 5:00 p.m. Adjourn

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**Location:**

Capital Hilton Hotel  
1001 16th Street Northwest (16<sup>th</sup> and K St)  
Washington D.C., DC 20036, (202) 393-1000  
Located within 3 blocks of metro stops:  
Farragut North, Farragut West, and McPherson Square

**POC:**

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