

# United States Air Force ENERGY FORUM III

A New Culture: Energy as an Operations Enabler



Washington Hilton - May 27-28, 2010 - AGENDA As of 5/26/2010

Thursday, 27 May 2010	
0700-0750	Registration/Continental Breakfast
0750-0755	Opening/Administrative Remarks Mr. David King, Director, Air Force Energy Program Management Office
0755-0805	Posting of the Colors by the United States Air Force Honor Guard and Singing of the National Anthem
0805-0815	Welcome Statement <a href="#">Honorable Terry A. Yonkers</a> , Assistant Secretary of the Air Force (Installations, Environment, and Logistics)
0815-0845	Keynote Speaker <a href="#">Honorable Erin C. Conaton</a> , Under Secretary of the Air Force
Plenary Session	
0845-0915	Keynote Speaker The Importance of Interagency Collaboration for National Energy Security <a href="#">Honorable Daniel B. Poneman</a> , Deputy Secretary of Energy, Department of Energy
0915-0945	Assessing the Military Role in National Energy Security <a href="#">Congressman Tom Perriello</a> , Representative, 5th District of Virginia
0945-1000	Break
1000-1030	The Vulnerability of Sustainment in the Battlespace <a href="#">Dr. Andrew F. Krepinevich, Jr.</a> , President, Center for Strategic and Budgetary Assessments
1030-1100	DoD Installations Energy Management <a href="#">Mr. John Conger</a> , Assistant Deputy Under Secretary of Defense (Installations & Environment)
1100-1130	A Geo-Strategic View of Energy, <a href="#">Dr. James T. Bartis</a> , Senior Policy Researcher, RAND
1130-1200	Break/Exhibit Viewing
Plenary Luncheon	
1200-1300	Plated Luncheon Luncheon Keynote Speaker: <a href="#">Dr. Steven E. Koonin, Under Secretary for Science, U.S. Department of Energy</a>

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1300- 1415	CONCURRENT SESSIONS			
<p><b>SESSION I</b>  <b>ENERGY IN CAPABILITY BASED PLANNING</b></p> <p>This panel will provide an overview of how energy and logistics are being incorporated into Air Force wargaming and campaign models. Additionally, the panel will discuss findings from 2009 Future Capabilities Wargame, current capabilities of STORM, and future opportunities.</p>	<p><b>SESSION II</b>  <b>ENERGY CONSIDERATIONS IN FLEET MODERNIZATION</b></p> <p>Energy has become a topic of great interest across the country and certainly in the US Air Force. Unfortunately limited budgets are also more of a reality than ever and difficult decisions must be made relative to energy considerations for fleet modernization. It is important to evaluate all factors bearing on the decision, including costs, return-on-investment, downtime or out-of-service time, mission impacts, maintenance considerations, operational factors, etc. This panel will address all such factors from the military and commercial perspectives and discuss how the proper energy decisions contribute to mission performance.</p>	<p><b>SESSION III</b>  <b>ALTERNATIVE FUELS</b></p> <p>The AF Energy Plan has three pillars -        - reduce demand, increase supply and change the culture. This panel session will explore AF and national efforts to test, certify, produce and procure alternative jet fuels to increase the diversity of supply and to reduce environmental impacts.</p>	<p><b>SESSION IV</b>  <b>“BEST PRACTICES” IN MANAGING ENERGY</b></p> <p>This panel will address energy management in the aviation, installation and expeditionary domains. Our AMC panelist will explore current AMC practices and how metrics and measurement are providing new insights to improve operations and generate real savings. In the installations domain, AFCESA will discuss current efforts to make or facilities more energy efficient. Colonel Charette, from the Marine Corps Energy Office will cover the challenge of energy in expeditionary operations and how industry is helps energy demand in the AOR.</p>	<p><b>SESSION V</b>  <b>AIR FORCE ROLE IN DOD-DOE COLLABORATION –MOVING TECHNOLOGY FROM THE LAB TO THE FIELD</b></p> <p>This session seeks to identify opportunities that will enable moving sustainable technologies to the Air Force and Department of Defense. The AF has made a significant commitment to meet the laws and executive orders governing energy and environmental stewardship. Reductions in petroleum usage and greenhouse gas emissions have placed emphasis on the need for the DoD to leverage DoE technologies in order to meet the Nation's goals. Timely and effective transition of DoE and new commercial technologies to provide "Sustainable" clean sources of energy is required. To do so, we must jointly work together to develop, field and implement sustainable technologies efficiently.</p>
<p><b>Moderator</b>  <b>Mr. Oliver Fritz</b> Assistant Director of Strategic Planning Headquarters United States Air Force</p>	<p><b>Moderator</b>  <b>Mr. Kenneth E. Eickmann, Lt Gen, USAF (Ret.)</b>, Senior Research Fellow, Energy Institute, University of Texas</p>	<p><b>Moderator</b>  <b>Mr. William Harrison III</b>, Air Force Research Laboratory, Technical Advisor, Fuels and Energy</p>	<p><b>Moderator</b>  <b>Mr. Timothy K. Bridges</b>, Deputy Assistant Secretary (Energy, Environment, Safety and Occupational Health), Office of the Assistant Secretary of the Air Force for Installations, Environment and Logistics</p>	<p><b>Moderator</b>  <b>Mr. Thomas Naguy</b>, Air Force Research Laboratory</p>
<p><b>Panelists</b>  <b>Colonel Donald Drechsler</b>, Directorate of Strategic Planning, Office of Future Concept Development Headquarters, United States Air Force  <b>Mr. Doug “Kupe” Kupersmith</b>, Group W Inc.  <b>Mr. Josef “NOCAP” Seidl</b>, Technical Director, Analyses Foundations and Integration, Headquarters United States Air Force</p>	<p><b>Panelists</b>  <b>Mr. Donald J. Wetekam, Lt Gen, USAF (Ret.)</b>, Group Vice President, Maintenance, Repair &amp; Overhaul AAR Corporation  <b>Mr. Charles (Chuck) F. Wald, Gen, USAF (Ret.)</b>, Director and Senior Advisor, Aerospace &amp; Defense Industry Deloitte  <b>Mr. Kevin Mathison</b>, Director Delta Airlines, Flight Operations Engineering</p>	<p><b>Panelists</b>  <b>Mr. Jeffrey Braun</b>, Director, Air Force Alternative Fuels Certification Officer  <b>Dr. James T. Edwards</b>, Air Force Research Laboratory  <b>Mr. Mark K. Iden</b>, Deputy Director, Operations, Defense Energy Support Center  <b>Mr. Graham Ellis</b>, Senior Business Manager, Renewable Energy and Chemicals, UOP LLC  <b>Mr. Carl Burleson</b>, Acting Deputy Assistant Administrator, Policy, Planning and Environment Federal Aviation Administration</p>	<p><b>Panelists</b>  <b>Colonel Kevin B. Trayer</b>, Chief, Air Mobility Command Fuel Efficiency Office  <b>Mr. Richard Stacey</b>, Air Force Civil Engineer Support Agency  <b>Colonel Robert Charette</b>, Director of the United States Marine Corps Energy Office  <b>Captain Jim Brown</b>, USN Director, Navy Energy Coordination Office</p>	<p><b>Panelists</b>  <b>Dr. Jeffrey Marqusee</b>, Director, Strategic Environmental Research &amp; Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)  <b>Mr. Russell Hume</b>, Mechanical Engineer, United States Air Force Academy  <b>Dr. Srin Mirmira</b>, Program Director, Advanced Research Projects Agency - Energy Department of Energy</p>

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1415-1430	<b>Break</b>			
1430- 1545	<b>CONCURRENT SESSIONS</b>			
<p style="text-align: center;"><b>SESSION VI CULTURE CHANGE</b></p> <p>If the AF is to achieve its very challenging energy goals, energy must be a consideration in all decisions and activities. Every member of the total force, not just leadership, must embrace energy efficiency. Institutionalizing energy awareness across the entire enterprise will require a sustained, wide-ranging and pro-active culture change process. This session will explore the views of industry, academia and government on how such a program might be structured and implemented.</p>	<p style="text-align: center;"><b>SESSION VII OPERATIONAL ENERGY</b></p> <p>High energy demands by operational forces can drive large logistics and sustainment requirements, create operational risk, and may force the commander to allocate warfighting capability and capacity to force protection needs. This session explores how to integrate these consequences into our force planning process to better enable us to design a more effective, capable and efficient force.</p>	<p style="text-align: center;"><b>SESSION VIII ALTERNATIVE ENERGY SOURCES AT INSTALLATIONS</b></p> <p>This panel will focus on alternative energy from an installation perspective, addressing issues relevant to the Airmen who will operationalize the strategy. Our experts will share Air Force vectors on power purchase agreements, renewable energy credits and enhanced use leasing. We'll look at successful installation and Army post strategies and what made them work, and we'll conclude with a discussion on potential pitfalls and mission assurity.</p>	<p style="text-align: center;"><b>SESSION IX INSTALLATIONS ENERGY SECURITY FOR CRITICAL MISSIONS</b></p> <p>DoD's reliance on a fragile commercial grid to deliver electricity to its installations places the continuity of critical missions at risk. This panel will discuss DoD efforts to address the security of the energy grid.</p>	<p style="text-align: center;"><b>SESSION X ENERGY SCIENCE AND TECHNOLOGY (S&amp;T) AND DEMONSTRATIONS</b></p> <p>The USAF recognizes energy and the development of alternatives as a national security priority. This session will explore Science and Technology innovations, investments, and direction the USAF and the Department of Energy laboratories are driving to achieve national energy goals</p>
<p style="text-align: center;"><b>Moderator</b> <a href="#">Mr. Robert J. May, Jr.</a>, Vice President, Battelle Dayton Operations</p>	<p style="text-align: center;"><b>Moderator</b> Mr. Tom Morehouse, Air Force Energy Program Management Office</p>	<p style="text-align: center;"><b>Moderator</b> <a href="#">Mr. T. Gene Gallogly</a>, Asset Management and Operations Division Deputy Chief</p>	<p style="text-align: center;"><b>Moderator</b> <a href="#">Mr. Joe Sikes</a>, Director, Installations Energy, Office of the Deputy Under Secretary of Defense (I&amp;E)</p>	<p style="text-align: center;"><b>Moderator</b> <a href="#">Mr. Omar Mendoza</a>, Special Advisor for Technology, Air Force Energy Program Management Office</p>
<p style="text-align: center;"><b>Panelists</b> <a href="#">Mr. John Boose</a>, Senior Faculty, IP Solutions, LLC, Stanford University Advanced Project Management Program <a href="#">Mr. James Porter</a>, Former VP and Chief Engineer, DuPont <a href="#">Colonel Les Kodlick</a>, Secretary of the Air Force Office of Public Affairs</p>	<p style="text-align: center;"><b>Panelists</b> <a href="#">Mr. William Noel</a>, Associate, Booz allen Hamilton <a href="#">Mr. Kunal Thaker</a>, Associate, Booz allen Hamilton <a href="#">Mr. Jason Valenstein</a>, Associate Booz Allen Hamilton <a href="#">Ms. Janet Miller</a>, SAF/AQX, Operational Energy Planning Acquisition Program Manager, Office of the Secretary of the Air Force for Acquisition <a href="#">Mr. Rick Cotman</a>, Office of the Secretary of Defense (Acquisition, Technology, and Logistics)</p>	<p style="text-align: center;"><b>Panelists</b> <a href="#">Dr. Michael J. Sailor</a>, United States Air Force Scientific Advisory Board <a href="#">Ms. Karen White</a>, Staff Attorney, Air Force Civil Engineer Support Agency, Air Force Facility Energy Center <a href="#">Dr. Kevin Geiss</a>, Program Director Energy Security, Office of the Assistant Secretary of the Army Installations &amp; Environment <a href="#">Mr. Allan E. Curlee</a>, Deputy Chief Counsel, Air Force Real Property Agency Support Office</p>	<p style="text-align: center;"><b>Panelists</b> <a href="#">Mr. Henry S. Kenchington</a>, Deputy Assistant Secretary, Research and Development U.S. Department of Energy Office of Electricity Delivery and Energy Reliability <a href="#">Mr. Charles Kosak</a>, Principal Director for Strategy, Force Planning and Mission Assurance Office of the Secretary of Defense, Homeland Defense <a href="#">Mr. Dan Mathis</a>, Navy's Dahlgren Mission Assurance Division</p>	<p style="text-align: center;"><b>Panelists</b> <a href="#">Colonel Alexander V. Gicz</a>, Chief, Air Force Science and Technology Division Office of the Deputy Assistant Secretary of the Air Force (Science, Technology &amp; Engineering) <a href="#">Dr. Valerie Sarisky-Reed</a>, Biomass Program Manager Department of Energy <a href="#">Colonel William D. Hack</a>, USAF Deputy Director, Propulsion Director, Air Force research Laboratory <a href="#">Colonel Gary Konnett</a>, USAF Deputy Director, Materials &amp; Manufacturing Directorate Air Force Research Laboratory</p>
1545-1600	<b>Break</b>			
1600-1800	<b>Networking Social</b>			

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Friday, 28 May 2010	
0700-0730	<b>Registration/Continental Breakfast</b>
0730-0740	<b>Opening Remarks</b> <a href="#">Honorable Terry A. Yonkers</a> , Assistant Secretary of the Air Force (Installations, Environment and Logistics)
0745-0900 BLUE PANEL	<b>MAJCOM Panel I-Format to consist of 5-minute presentations from each MAJCOM followed by interactive/moderated Q&amp;A. This panel is made up of the following MAJCOMS.</b> <b>Moderator:</b> <a href="#">Major General Johnny A. Weida, Assistant Deputy Chief of Staff for Operations, Plans and Requirements, Headquarters U.S. Air Force</a> AMC - <a href="#">General Raymond E. Johns, Jr., Commander, Air Mobility Command</a> PACAF - <a href="#">General Gary L. North, Commander, Pacific Air Forces</a> AFGSC - <a href="#">Lieutenant General Frank G. Klotz, Commander, Air Force Global Strike Command</a> ACC - <a href="#">Lieutenant General William J. Rew, Vice Commander, Air Combat Command</a> AFSOC - <a href="#">Lieutenant General Donald C. Wurster, Commander, Air Force Special Operations Command</a> AFRC - <a href="#">Major General Charles E. Reed Jr., Mobilization Assistant to the Commander, Air Force Reserve Command</a>
0900- 0915	<b>Break</b>
0915-1030 SILVER PANEL	<b>MAJCOM PANEL II- Format to consist of 5-minute presentations from each MAJCOM followed by interactive/moderated Q&amp;A. This panel is made up of the following MAJCOMS.</b> <b>Moderator:</b> <a href="#">Lieutenant General Loren M. Reno, Deputy Chief of Staff for Logistics, Installations and Mission Support, Headquarters U.S. Air Force</a> AFMC - <a href="#">General Donald J. Hoffman, Commander, Air Force Materiel Command</a> AFSPC - <a href="#">Major General Michael J. Basla, Vice Commander, Air Force Space Command</a> USAFE - <a href="#">Major General William A. Chambers, Vice Commander, U.S. Air Forces in Europe</a> ANG - <a href="#">Major General Patrick "Rick" Moasio, Deputy Director, Air National Guard</a> AETC - <a href="#">Major General James A. Whitmore, Vice Commander, Air Education and Training Command</a>
1030-1045	<b>Break</b>
1045-1130	<b>Remarks from the Chief of Staff of the Air Force</b> <a href="#">General Norton A. Schwartz</a> , Chief of Staff, United States Air Force
1130	<b>Adjournment and Playing of the Air Force Song</b>