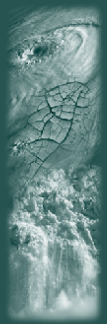


APPENDIX A

SYMPOSIUM AGENDA

IMPENDING CHANGES

CLIMATE



ENERGY SUPPLY & DEMAND



CLIMATE & ENERGY IMPERATIVES FOR FUTURE NAVAL FORCES

SOUTHCOM & NORTHCOM



EUCOM & AFRICOM



CENTCOM & PACOM





APPENDIX A

CLIMATE AND ENERGY IMPERATIVES FOR FUTURE NAVAL FORCES SYMPOSIUM AGENDA

DAY 1 (23 MARCH 2010)

- 8:00–8:15 **Opening Remarks**
Dr. L. Dean Simmons, JHU/APL
- 8:15–9:00 **Global Climate Change**
Rear Admiral David Titley, Oceanographer of the Navy
- 9:00–9:45 **Keynote Address**
Honorable Ray Mabus, Secretary of the Navy
- 10:00–11:30 **Roundtable 1: Climate Change**
Discuss potential effects of global climate change, including temperature increases, sea-level rise, reduction in sea ice, melting glaciers, desertification, and deforestation, among others.
Dr. Marcus King, CNA (Moderator)
Dr. Jay Gullede, Pew Center on Global Climate Change
Major General Richard Engel, USAF (Ret.), National Intelligence Council
Dr. Geoffrey Dabelko, Woodrow Wilson Center
- 12:30–1:15 **Energy Availability**
Ms. Phyllis Martin, Energy Information Administration, Dept. of Energy
- 1:15–2:45 **Roundtable 2: Energy Availability**
Discuss impending changes in energy supply and demand including those resulting from economic considerations as well as those that might arise from governmental action to mitigate global climate change.
Mr. Duncan Brown, JHU/APL (Moderator)
Dr. Jeffrey Werling, University of Maryland
Mr. John Simpson, P.E., U.S. General Services Administration
- 3:00–5:00 **Roundtable 3: Naval Operations in the Americas**
Discuss how changes in climate and energy may affect how the United States organizes, equips, and employs its naval forces when conducting operations in the Americas (USNORTHCOM and USSOUTHCOM).
Mr. Dana Goward, Director, Assessment, Integration, and Risk, USCG (Moderator)
Lieutenant Colonel O. Kent Strader, USNORTHCOM, J5 Division
Mr. John D. Perez, JCTD Program Manager, USSOUTHCOM
Commander James Kraska, U.S. Naval War College
Captain Al Collins, Naval Forces USSOUTHCOM
Dr. Richard B. Coffin, Naval Research Laboratory
- 5:00–6:00 **Symposium Social**
- 7:00–7:45 **Powering the Planet**
Dr. Nathan Lewis, California Institute of Technology

DAY 2
(24 MARCH 2010)

- 8:00–8:15 **Opening Remarks**
Dr. Ronald Filadelfo, CNA
- 8:15–9:00 **Navy Task Force Energy**
Rear Admiral Philip H. Cullom, Director, Fleet Readiness Division
- 9:00–9:45 **Evolving Naval Forces to Support Operations in Europe and Africa**
General Charles Wald, USAF (Ret.), Former Deputy Commander, USEUCOM
- 10:00–11:30 **Roundtable 4: Naval Operations in Europe and Africa**
Discuss how changes in climate and energy may affect how the United States organizes, equips, and employs its naval forces when conducting operations in the European and African theaters (USEUCOM and USAFRICOM).
Colonel Edward (Ted) A. Smyth, USMC (Ret.), JHU/APL (Moderator)
Colonel James G. Welton, Deputy Director for Programs, USAFRICOM
Admiral Harry Ulrich III, USN (Ret.), Former Commander, U.S. Naval Forces Europe
Lieutenant Colonel Shannon Beebe, U.S. Defense Attaché Office, Republic of Angola
- 12:30–1:15 **Evolving Naval Forces to Support Operations in Asia and the Pacific**
Admiral Timothy J. Keating, USN (Ret.), Former Commander, USPACOM
- 1:15–2:45 **Roundtable 5: Naval Operations in Asia and the Pacific**
Discuss how changes in climate and energy may affect how the United States organizes, equips, and employs its naval forces when conducting operations in Asian and Pacific regions (USCENTCOM and USPACOM).
Rear Admiral Michael McDevitt, USN (Ret.), CNA (Moderator)
Vice Admiral Dennis McGinn, USN (Ret.)
Commander Stephen Cole, Royal Australian Navy, Environment Manager
Colonel Bob Charette, Jr, USMC, Director, Expeditionary Energy
- 3:00–4:30 **Integration and Synthesis Panel**
Synthesize the diverse perspectives offered in the symposium presentations and roundtables to provide an integrated view of the ways in which changes in climate and energy availability could affect how the United States organizes, equips, and employs its future naval forces.
Mr. John Benedict, JHU/APL (Moderator)
Dr. Michael Vlahos, JHU/APL
Mr. Adam B. Siegel, Senior Analyst, Analysis Center, Northrop Grumman Corporation
Dr. Ed McGrady, CNA
- 4:30–4:45 **Closing Remarks**
Dr. L. Dean Simmons, JHU/APL
Dr. Ronald Filadelfo, CNA