

**Fiscal Year 2016
Department of Energy
Report on Conference Activities**

Conference Title	Conference Purpose	Conference Date	Location	DOE Attendees	Total Net Costs
RERTR 2015 - International Meeting on Reduced Enrichment for Research and Test Reactors	<p>The main objective of the Annual RERTR Conference is to present and review project progress toward the core conversion of research reactors from highly enriched uranium (HEU) to low enriched uranium (LEU) fuels with international collaborators of M3's HEU minimization programs, primarily the reactor conversion, fuel development and spent fuel removal efforts.</p> <p>This meeting is the primary venue for all key international stakeholders in M3's HEU minimization programs to present their work and hold meetings to advance the numerous ongoing HEU minimization projects worldwide. These stakeholders include foreign government and facility representatives, academic and research institute representatives, industry representatives, and nongovernmental organizations that advocate for civilian HEU minimization.</p>	11-15 October 2015	Seoul, Republic of Korea	39	\$177,437
Basic Research Needs for Quantum Materials for Energy Relevant Technology	The purpose of this workshop is to identify basic research needs and opportunities in the new field of Quantum Materials. The workshop and its report should provide a thorough assessment of the scientific issues associated with the potential ability to realize full control of quantum-coherent systems and enable revolutionary advances in broad range of energy relevant technology.	8-10 February 2016	Gaithersburg, MD	96	\$236,796
2016 ARPA-E Energy Innovation Summit	The 2016 ARPA-E Energy Innovation Summit is dedicated to discussing and showcasing transformative energy solutions. This annual event brings together leaders from academia, business, and government to discuss cutting-edge energy issues and facilitate relationships to move technologies into the marketplace. As such, this meeting is an important forum for DOE.	29 February - 02 March 2016	National Harbor, MD	196	\$487,353
DOE Project Management Workshop Spring 2016	The workshop is planned for the DOE project management workforce. The workshop will cover a wide range of topics including information on project management successes, benefits of implementing an earned value management system (EVMS), the importance of independent cost estimates and cost reviews, and other current project management issues.	22-23 March 2016	Washington, DC	377	\$411,867

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2016 Lab Big Ideas Summit	The Summit is to discuss “Big Ideas” that require collaborative multi-Program and multi-Laboratory solutions to move forward on key national energy challenges and accelerate technology transfer. The Summit will bring together subject matter experts from DOE’s Science and Applied Energy programs, the Office of Energy Policy and Systems Analysis (EPSA), the National Nuclear Security Administration (NNSA) and the National Laboratories. This dialogue will also help inform the Department’s planning for future investments and priorities. This meeting will inform out-year budgets and program planning.	21-22 April 2016	Crystal City, VA	96	\$127,711
Nuclear and Facility Safety Programs Annual Workshop	The workshop will provide training courses to be determined related to Facility Representatives (FR), Safety System Oversight (SSO), Fire Protection, and Readiness Reviews. The workshop will also include a plenary session for senior Departmental management to speak to the safety oversight community; an awards ceremony to recognize exceptional performance by field element safety oversight professionals; sessions for presentation of best practices and lessons learned in fire safety, operations oversight, and engineering safety oversight; a venue for a face-to-face meeting of the Federal Technical Capability Panel (FTCP); and a venue for the Safety Culture Improvement Panel (SCIP).	2-6 May 2016	Las Vegas, NV	224	\$314,785
Basic Research Needs for Synthesis Science for Energy Relevant Technology	The purpose of this workshop is to identify basic research needs and opportunities in the new field of Synthesis Science. The workshop and its report should provide a thorough assessment of the scientific issues and pressing needs associated with advancing the field of “Synthesis Science” in order to achieve the vision imagined in BESAC “Grand Challenges” workshops, viz., (i) atom- and energy efficient synthesis and (ii) mastering hierarchical architectures and beyond-equilibrium matter.	2-4 May 2016	Gaithersburg, MD	111	\$283,264

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15th Annual DOE Small Business Forum & Expo	The Secretary of Energy has issued a policy in support of small business that directs all Departmental elements to examine and expand their contract opportunities with small businesses, including small disadvantaged, 8(a), woman-owned, service-disabled veteran-owned, historically underutilized business zones (HUBZones) businesses, as well as the Department's mentor-protégé program. Additionally, the Secretary has directed the Department's Facility Management Contractors (FMCs) to raise the bar and expand the diversity of subcontracts to small businesses. The 15th Annual DOE Small Business Forum & Expo is held in direct support of this mission.	23-26 May 2016	Atlanta, GA	123	\$242,007
Basic Research Needs for Innovation and Discovery of Transformative Experimental Tools	The purpose of this workshop is to identify basic research needs and opportunities for the development and design of new instrumentation to answer previously out-of-reach questions in the energy sciences. The workshop will identify the scientific challenges and resulting priority research directions for instrumentation development in the following areas: (1) in operando and multi-modal techniques with high spatial and temporal resolution that allow for materials characterization, chemical imaging, and spectroscopy in the reaction medium under working conditions; (2) instrumentation for adaptive chemical and materials synthesis to adjust reaction conditions on the fly to create the desired product; (3) instrumentation that captures the bond-making and bond-breaking of chemical reactions in real time and that discerns and quantitatively measures the correlation interactions between the various degrees of freedom.	1-4 June 2016	Rockville, MD	80	\$201,830

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2016 EIA Energy Conference	The EIA Annual Energy Conference brings together approximately 950 thought leaders from industry, government, academia, media, and the general public to discuss current and future challenges facing energy markets and policymakers. Communication between EIA and our customers and stakeholders must be a two-way street if we are to successfully accomplish DOE's mission to lead the national conversation on energy and EIA's mission to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment. This collaborative environment also allows EIA to respond to President Obama's call for a Federal government that is more open, accessible, and customer-oriented.	11-12 July 2016	Washington, DC	302	\$299,927
The Energy Exchange 2016	The Energy Exchange will fulfill Federal agencies' training requirements for energy managers as outlined in Federal laws and regulations. The Energy Exchange aims to satisfy training requirements mandated by and address requirements outlined in EPACT1992, EPACT 2005, Executive Order 13423, Energy Independence and Security Act of 2007 (EISA 2007), Executive Order 13514, Executive Order 13221, National Energy Conservation Policy Act (NEC PA), Federal Building Personnel Training Act of 2010, FY2012 Defense Authorization Bill Section 2826 and Section 2915a, and the ESPC Challenge (Dec 5, 2013).	9-11 August 2016	Providence, RI	76	\$125,637
Joint DOE Contractor Internal Audit Directors (CIAD) Audit Conference 2016	The members of the DOE Contractor Internal Audit Directors (CIAD) provide the Secretary of Energy, the Department of Energy Office of Inspector General, and the public with assurance that the operations and management of the sites and activities within the DOE complex are improving effectiveness and efficiency while mitigating the risks associated with those operations as much as is reasonable.	10-12 August 2016	Kansas City, MO	149	\$198,927

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Advances in Mathematical and Computational Climate Modeling Workshop	The meeting directly supports the Department's Strategic Goal to deliver scientific discoveries in support of the Department's mission to address the nation's energy, environmental, and nuclear challenges through transformative science. DOE's Offices of Biological and Environmental Research (BER) and the Advanced Scientific Computational Research (ASCR) have a unique opportunity to develop advanced climate modeling capabilities by combining the mathematical and computational research programs and computational facilities of ASCR with the climate modeling capabilities such as the Accelerated Climate Modeling for Energy (ACME) project of BER. As computer architectures evolve and the climate models increase in resolution and complexity, it is critical that a fresh examination of algorithms and computational methods be considered for climate model development.	12-14 September 2016	Rockville, MD	81	\$153,986
DOE Cyber Conference (formerly titled Information Management Conference - IMC)	In alignment with the DOE Cyber Strategy, the Office of the Chief Information Officer (OCIO) is hosting the DOE Cyber Conference (formerly known as the Information Management Conference). The conference brings the DOE enterprise together, including Program Offices, Power Marketing Administrations, Plants, Site Offices, and National Laboratories, as well as our interagency partners, and private sector, to create an inclusive, transparent, and collaborative environment and remove barriers to information sharing and information safeguarding.	19-22 September 2016	Atlanta, GA	264	\$470,228