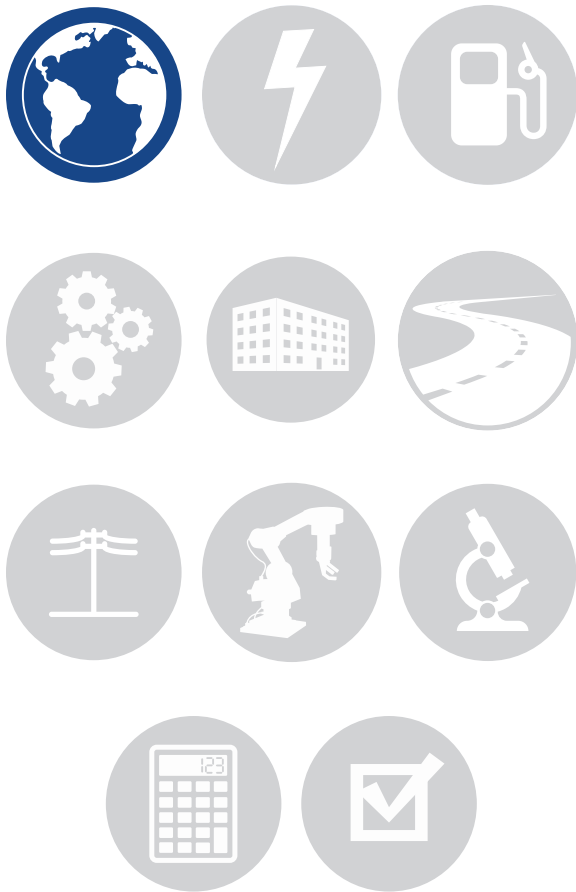




Quadrennial Technology Review 2015

Chapter 1: Energy Challenges

Supplemental Information



Additional Information on Energy Challenges

Agency Information

***Representative DOE Energy and
Science Program Workshops***



U.S. DEPARTMENT OF
ENERGY



Quadrennial Technology Review 2015

Representative DOE Energy and Science Program Workshops

Chapter 1: Supplemental Information

The Quadrennial Technology Review (QTR) found very extensive outreach by the DOE Energy and Science Programs to the broad energy research, development, demonstration, and deployment (RDD&D) community—including industry, academia, civil society, national laboratories, and the public—by organizing numerous workshops, conferences, peer reviews, webinars, and other activities. Over 300 examples of workshops, conferences, and peer reviews alone are listed below that were conducted during 2011-2015, most with weblinks to more detailed information; yet this is not a comprehensive listing of these activities, nor does it include DOE engagement with the RDD&D community in other venues, through webinars, DOE Requests for Information (RFIs), Funding Opportunity Announcement (FOA)-related meetings, and other activities. A key focus of this extensive DOE outreach is to capture, distill, and organize the deep knowledge and experience of this broad community of experts and stakeholders to help DOE managers and staff better manage DOE RDD&D activities. The tables below list some of these engagements by Sector/(QTR Chapter) that they are primarily associated with, recognizing that there are many linkages across these different areas.

Electricity Grid-Related (QTR Chapter 3)

Table 1

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
General Resources and Webinars (This provides weblinks to more than 60 events)		OE	http://energy.gov/oe/information-center/meetings-events/archived-meetings-events
NASPI Working Group Meeting	June 5-7, 2012; Denver, CO	NASPI with support from OE	https://www.naspi.org/site/Module/Meeting/Forms/General.aspx?m__ID=MEETING&meetingid=205
2012 Smart Grid Peer Review	June 7-8, 2012; San Diego, CA	OE	http://energy.gov/node/387493
Electricity Advisory Committee Meeting (FACA)	June 11-12, 2012; Washington, DC	OE	http://energy.gov/oe/june-11-12-2012-meeting-electricity-advisory-committee
Advanced Applications R&D Peer Review	June 12-13, 2012; Washington, DC	OE	http://energy.gov/oe/downloads/2012-advanced-applications-research-development-peer-review



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
2012 Cybersecurity for Energy Delivery Systems (CEDS) Peer Review	July 24-26, 2012; Washington, DC	OE	http://events.energetics.com/CEDS2012/agenda.html
EV Everywhere: Charging Infrastructure	July 30, 2012; Los Angeles, CA	EERE	http://energy.gov/eere/everywhere/ev-everywhere-2012-workshops
Microgrid Workshop	July 30-31, 2012; Chicago, IL	OE	http://energy.gov/oe/downloads/2012-doe-microgrid-workshop-summary-report-september-2012
Load as a Resource Program Peer Review	Sept. 20, 2012; Berkeley, CA	OE	http://energy.gov/oe/downloads/2012-load-resource-program-peer-review
Electricity Distribution System Workshop	Sept. 24-26, 2012; Arlington, VA	GTT	http://energy.gov/oe/services/doe-grid-tech-team/activities-and-outreach/gtt-activities/distribution-workshop
2012 Energy Storage Peer Review	Sept. 26-28, 2012; Washington, DC	OE	http://energy.gov/oe/downloads/energy-storage-systems-2012-peer-review-and-update-meeting
NASPI Working Group Meeting	Oct. 17-18, 2012; Atlanta, GA	NASPI through support from OE	https://www.naspi.org/site/Module/Meeting/Forms/General.aspx?m_ID=MEETING&meetingid=189
Electricity Transmission System Workshop	Nov. 1-2, 2012; Arlington, VA	GTT	http://energy.gov/oe/services/doe-grid-tech-team/activities-and-outreach/gtt-activities/transmission-workshop
2012 Cybersecurity Information Exchange	Dec. 5-6, 2012; Washington, DC	OE	https://www.smartgrid.gov/document/2012_doe_smart_grid_cybersecurity_information_exchange
NASPI Working Group Meeting	Feb. 20-21, 2013; Huntington Beach, CA	NASPI through support from OE	https://www.naspi.org/site/Module/Meeting/Forms/General.aspx?m_ID=MEETING&meetingid=260
1st Annual ARPA-E GENI Program Annual Meeting and Technical Review	Feb. 28-March 1, 2013; Arlington, VA	ARPA-E	http://arpa-e.energy.gov/?q=site-page/geni-annual-technical-review
Applications of HVDC Technologies Workshop	April 22, 2013; Arlington, VA	GTT	http://energy.gov/oe/downloads/hvdc-workshop-april-22-2013
Electricity Advisory Committee Meeting (FACA)	June 5-6, 2013; Arlington, VA	OE	http://energy.gov/oe/services/electricity-advisory-committee-eac/electricity-advisory-committee-2013-meetings/june-5-6
2013 Transmission Reliability Program Peer Review	June 27-28, 2013; Washington, DC	OE	http://energy.gov/oe/downloads/2013-transmission-reliability-program-peer-review
2013 Reliability & Markets Peer Review	Aug. 6-7, 2013; Ithaca, NY	OE	http://energy.gov/oe/downloads/2013-reliability-markets-peer-review
NASPI Working Group Meeting	Oct. 22-24, 2013; Rosemont, IL	NASPI through support from OE	https://www.naspi.org/site/Module/Meeting/Forms/General.aspx?m_ID=MEETING&meetingid=286



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
2nd Annual ARPA-E GENI Program Annual Meeting and Technical Review	Dec. 10-11, 2013; Arlington, VA	ARPA-E	http://arpa-e.energy.gov/?q=site-page/geni-annual-technical-review-2
Future of the Grid - Western Regional Workshop	Dec. 11, 2013; Redmond Washington	Grid Wise Alliance with support from OE	http://www.gridwise.org/documents/GWA_14WesternRegionWorkshopReport_02_19_FINAL.pdf
Electricity Advisory Committee Meeting (FACA)	Jan. 24, 2014; Teleconference	OE	http://energy.gov/oe/services/electricity-advisory-committee-eac/electricity-advisory-committee-2014-meetings/january
Future of the Grid - Central Regional Workshop	Feb. 4, 2014; Dallas, TX	Grid Wise Alliance, OE	http://www.gridwise.org/documents/GWA_14CentralRegionWorkshopReport_04_21_FINAL.pdf
NASPI Working Group Meeting: Knoxville, TN	March 11-12, 2014; Knoxville, TN	NASPI through support from OE	https://www.naspi.org/site/Module/Meeting/Forms/General.aspx?m__ID=MEETING&meetingid=316
Electricity Advisory Committee Meeting (FACA)	March 12-13, 2014; Arlington, VA	OE	http://energy.gov/oe/services/electricity-advisory-committee-eac/electricity-advisory-committee-2014-meetings/march-12
Future of the Grid - Southeast Regional Workshop	April 8, 2014; Durham, NC	Grid Wise Alliance with support from OE	http://www.gridwise.org/documents/GWA_14_SoutheastRegionWorkshopReport_07_08_FINAL.pdf
QER - Energy Infrastructure Resilience	April 11, 2014; Washington, DC	EPSA	http://www.energy.gov/epsa/downloads/qer-public-meeting-washington-dc-enhancing-energy-infrastructure-resiliency-and
Future of the Grid - Northeast Regional Workshop	May 13, 2014; New York, NY	Grid Wise Alliance with support from OE	http://www.gridwise.org/documents/GWA_14_NortheastRegionWorkshopReport_10_28_FINAL.pdf
2014 Transmission Reliability Program Peer Review	June 3-4, 2014; Washington, DC	OE	http://energy.gov/oe/downloads/2014-transmission-reliability-program-peer-review
Resilient Electric Distribution Grid R&D Workshop	June 11, 2014; Upton, NY	OE	http://energy.gov/oe/downloads/resilient-electric-distribution-grid-rd-workshop-june-11-2014
2014 Smart Grid R&D Peer Review	June 11-12, 2014; Upton, NY	OE	http://energy.gov/oe/downloads/2014-smart-grid-rd-peer-review
Electricity Advisory Committee Meeting (FACA)	June 16-17, 2014; Arlington, VA	OE	http://energy.gov/oe/services/electricity-advisory-committee-eac/electricity-advisory-committee-2014-meetings/june-16
2014 Advanced Grid Modeling Peer Review	June 17-18, 2014; Alexandria, VA	OE	http://energy.gov/oe/downloads/2014-advanced-grid-modeling-program-peer-review



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Future of the Grid - National Summit	June 26, 2014; Washington, DC	Grid-Wise Alliance with support from OE	http://www.gridwise.org/documents/GWA_14_FutureoftheGridReport_FINAL.pdf
QER - Electricity Transmission, Distribution, Storage: West	July 11, 2014; Portland, OR	EPSA	http://www.energy.gov/epsa/downloads/qer-public-meeting-portland-or-electricity-transmission-storage-and-distribution-west
QER - Gas Electric Interdependencies	July 28, 2014; Denver, CO	EPSA	http://www.energy.gov/epsa/downloads/qer-public-meeting-denver-co-gas-electricity-interdependencies
Grid of the Future: From Vertical to Flat (Program Dev. Workshop)	July 31-Aug. 1, 2014; Washington, DC	ARPA-E	http://arpa-e.energy.gov/?q=events/grid-future-vertical-flat
2014 Reliability & Markets Peer Review	Aug. 5-6, 2014; Ithaca, NY	OE	http://energy.gov/oe/downloads/2014-reliability-markets-peer-review
2014 Cybersecurity for Energy Delivery Systems (CEDs) Peer Review	Aug. 5-7, 2014; Arlington, VA	OE	http://www.energy.gov/oe/articles/cybersecurity-energy-delivery-systems-ceds-peer-review-august-5-7-0
QER - Grid Architecture Workshop	Aug. 26, 2014; Washington, DC Sept. 23, 2014; Washington, DC	EPSA	http://energy.gov/epsa/qer-document-library http://energy.gov/sites/prod/files/2015/04/f22/QER%20Analysis%20-%20Grid%20Architecture_0.pdf
QER - Electricity Transmission, Distribution, Storage: East	Sept. 8, 2014; Newark, NJ	EPSA	http://www.energy.gov/epsa/downloads/qer-public-meeting-newark-nj-electricity-transmission-and-distribution-east
2014 Energy Storage Peer Review	Sept. 17-19, 2014; Washington, DC	OE	http://energy.gov/oe/downloads/energy-storage-systems-2014-peer-review-and-update-meeting
Electricity Advisory Committee Meeting (FACA)	Sept. 24-25, 2014; Arlington, VA	OE	http://energy.gov/oe/september-24-25-2014-meeting-electricity-advisory-committee
Workshop on Estimating the Benefits and Costs of Distributed Energy Technologies	Sept. 30-Oct. 1, 2014; Washington, DC	GTT	http://energy.gov/oe/downloads/estimating-benefits-and-costs-distributed-energy-technologies-workshop-agenda-and
CIGRE and NASPI Working Group Meeting	Oct. 19-23, 2014; Houston, TX	EPRI; CIGRE; NASPI with support from OE	http://cigre-usnc.org/grid-of-the-future/ http://cigre.wpengine.com/gotf-2014-paper-presentations/
Next Generation Grid Data Architecture and Control	Nov. 17-18, 2014; Arlington, VA	NRECA, CURENT; with support from OE, NSF	http://curent.utk.edu/industry/grid-data-architecture/
3rd Annual ARPA-E GENI Program Annual Meeting and Technical Review	Jan. 14-15, 2015; New Orleans, LA	ARPA-E	http://arpa-e.energy.gov/?q=site-page/geni-program-annual-technical-review



Electricity Supply-Related (QTR Chapter 4)

Fossil Power/Carbon Capture and Storage (CCS)

Table 2

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Links to Workshops/Conferences, 2012-2015		NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings
2012 Crosscutting Research Kickoff and Review Meeting	March 12-14, 2012	NETL; DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/ccr
26th Annual Conference on Fossil Energy Materials	April 17-19, 2012; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/fe-materials
2012 University Coal Research/Historically Black Colleges and Universities and Other Minority Institutions Contractors Review Conference	May 30-31, 2012	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/ucr-hbcu
Instrumentation, Controls & Automation Interest Group Meeting	June 6-7, 2012; Austin, TX	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/ica-meeting
2012 NETL CO ₂ Capture Technology Meeting	July 9-12, 2012;	NETL; DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/co2-capture-meeting
13th Annual SECA Workshop	July 24-27, 2012;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/seca-workshop
Carbon Storage R&D Project Review Meeting	Aug. 21-23, 2012; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/carbon-storage-r-d-review
2012 University Turbine Systems Research Workshop	Oct. 2-4, 2012; Irvine, CA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2012/univ-turbine-workshop
2013 NETL CO ₂ Capture Technology Meeting	July 8-11, 2013;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2013/co2-capture-meeting
14th Annual SECA Workshop	July 23, 2013;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2013/seca-workshop
Carbon Storage R&D Project Review Meeting	Aug. 20-22, 2013;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2013/carbon-storage
Technology Pathways Forward for CCS on Natural Gas Power Systems - USEA	April 22, 2014; Washington, DC	USEA, DOE, Industry	
2014 NETL Crosscutting Research Review Meeting	May 19-23, 2014;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/crosscutting
15th Annual SECA Workshop	July 22-23, 2014; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/15th-annual-seca-workshop



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
2014 NETL CO ₂ Capture Technology Meeting	July 29-Aug. 1, 2014; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/2014-netl-co2-capture-technology-meeting
Carbon Storage R&D Project Review Meeting	Aug. 12-14, 2014; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/2014-carbon-storage
2014 NETL Water-Energy Workshop/MEGA Symposium	Aug. 20, 2014; Baltimore, MD	NETL, DOE, MEGA	http://www.netl.doe.gov/research/coal/crosscutting/publications/water-energy-workshop-2014
Supercritical CO ₂ Power Cycles Symposium	Sept. 9-10, 2014; Pittsburgh, PA	NETL, DOE, SWRI, ...	http://www.swri.org/4org/d18/sCO2/papers2014.htm
Workshop on supercritical Carbon Dioxide Brayton Cycle Energy Conversion R&D	Sept. 11, 2014;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/sco2-workshop
Transformational Carbon Capture Technology Workshop	Sept. 23, 2014; Arlington, VA	DOE, NETL	http://www.netl.doe.gov/research/coal/carbon-capture/workshop-2014
Magnetohydrodynamic Power Generation Workshop	Oct. 1-2, 2014;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/mhd-workshop
2014 University Turbine Systems Research Workshop	Oct. 21-23, 2014; West Lafayette, IN	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2014/2014-utsr-workshop
2015 NETL Crosscutting Technology Research Review Meeting	April 27-30, 2015; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2015/crosscutting
2015 NETL CO ₂ Capture Technology Meeting	June 23-26, 2015; Pittsburgh, PA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2015/2015-co2-capture-technology-meeting
16th Annual Solid Oxide Fuel Cell Workshop	July 14-16, 2015;	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2015/2015sofc
2015 Gasification Systems and Coal & Coal-Biomass to Liquids Workshop	Aug. 10-11, 2015; Morgantown, WV	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2015/gas-ccbtl
2015 Carbon Storage R&D Project Review Meeting	Aug. 18-20, 2015	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2015/2015-carbon-storage-project-review-meeting
Workshop on Heat Exchangers for Supercritical CO ₂ Power Cycles	Oct. 15, 2015; San Diego, CA	NETL, DOE, EPRI	http://www.netl.doe.gov/events/conference-proceedings/2015/epri
2015 University Turbine Systems Research Workshop	Nov. 3-5, 2015; Atlanta, GA	NETL, DOE	http://www.netl.doe.gov/events/conference-proceedings/2015/2015-university-turbine-systems-research-workshop



Nuclear Power

Table 3

Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Hybrid Energy Systems Workshop	April 3-4, 2012; Salt Lake City, UT	NE	http://www.nrel.gov/docs/fy12osti/55650.pdf
Blue Ribbon Commission on America's Nuclear Future	Jan. 2012;	NE	http://energy.gov/sites/prod/files/2013/04/f0/brc_finalreport_jan2012.pdf
Advanced Reactor Concepts Technical Review Panel	April-Sept. 2012;	NE	http://www.energy.gov/ne/downloads/advanced-reactor-concepts-technical-review-panel-report
Nuclear Science User Facility – Joint Event: Modeling, Experimentation, and Validation (MeV) School/ Advanced Test Reactor National Scientific User Facilities Week	June 18-22, 2012; Oak Ridge, TN	NE	https://atrnusf.inl.gov/default.aspx?Page=Users%20Week%20Presentations&id=290
Fuel Cycle Technologies Annual Review Meeting	Oct. 30-31, 2012; Argonne, IL	NE	http://www.energy.gov/ne/downloads/2012-fuel-cycle-technologies-annual-review-meeting-transaction-report
Nuclear Energy Advisory Committee	Dec. 6, 2012; Washington, DC	NE	http://www.energy.gov/ne/downloads/meeting-materials-december-6-2012 See also: http://www.energy.gov/ne/listings/nuclear-energy-advisory-committee-meeting-materials
Annual Report 2012 Gen IV International Forum	2013	GIF	https://www.gen-4.org/gif/jcms/c_40359/2012-annual-report-gif-symposium-proceedings
Strategy For The Management And Disposal Of Used Nuclear Fuel And High-Level Radioactive Waste	Jan. 2013;	NE	http://www.energy.gov/sites/prod/files/Strategy%20for%20the%20Management%20and%20Disposal%20of%20Used%20Nuclear%20Fuel%20and%20High%20Level%20Radioactive%20Waste.pdf
Nuclear Science User Facility – Materials, Fuels, and Post-Irradiation Examination, and Reactor Based Technology Development	June 10-14, 2013; Idaho Falls, ID	NE	https://atrnusf.inl.gov/default.aspx?Page=Users%20Week%20Presentations&id=290
Nuclear Energy Advisory Committee	June 13, 2013; Washington, DC	NE	http://www.energy.gov/ne/downloads/meeting-materials-june-13-2013
2013 Annual DOE-NE Materials Research Coordination Meeting	July 30-31, 2013;	NE	http://www.energy.gov/ne/downloads/2013-annual-doe-ne-materials-research-coordination-meeting-0
Nuclear Energy Enabling Technologies Program Documents and Workshops	Various	NE	http://www.energy.gov/ne/listings/neet-documents



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
FY 2014 NEUP R&D, NEUP IRP, and NEET Work scopes Webinar	Oct. 29-30, 2013;	NE	https://neup.inl.gov/SitePages/FY14%20Webinar%20Presentations.aspx
Fuel Cycle Technologies Annual Review Meeting	Nov. 5-7, 2013; Argonne, IL	NE	
2nd Generation IV International Forum (GIF) Symposium	Nov. 14, 2013; San Diego, CA	GIF	https://www.gen-4.org/gif/jcms/c_42158/gif-presentations
Nuclear Energy Advisory Committee	Dec. 19, 2013; Washington, DC	NE	http://www.energy.gov/ne/downloads/meeting-materials-december-19-2013-1
Annual Report 2013 Gen IV International Forum	2014;	GIF	https://www.gen-4.org/gif/jcms/c_64097/2013-gif-annual-report
Technology Roadmap Update for Generation IV Nuclear Energy Systems	Jan., 2014;	GIF	https://www.gen-4.org/gif/upload/docs/application/pdf/2014-03/gif-tru2014.pdf https://www.gen-4.org/gif/jcms/c_9492/members
Advanced Reactor Concepts Technical Review Panel	March-June 2014;	NE	http://www.energy.gov/sites/prod/files/2014/12/f19/Advance%20Reactor%20Concepts%20Technical%20Review%20Panel%20Public%20Report.pdf
Advanced Reactor Licensing Initiative Licensing Workshops	April 15-16, 2014; Rockville, MD July 16-17, 2014; Rockville, MD Sept. 1-2, 2015; Rockville, MD	NE; NRC	http://www.nrc.gov/public-involve/conference-symposia/adv-rx-non-lwr-ws.html
Evaluation Of Options For Permanent Geologic Disposal Of Spent Nuclear Fuel And High-Level Radioactive Waste	April, 2014;	NE	http://www.energy.gov/ne/downloads/evaluation-options-permanent-geologic-disposal-spent-nuclearfuel-and-high-level
Nuclear Energy Advisory Committee	June 5, 2014; Washington, DC	NE	http://www.energy.gov/ne/downloads/meeting-materials-june-5-2014
Nuclear Energy Advisory Committee	June 12, 2014; Washington, DC	NE	http://www.energy.gov/ne/downloads/meeting-materials-june-12-2012
Integrated Nuclear-Renewable Energy Systems Foundational Workshop	July 8-10, 2014; Idaho Falls, ID	NE	https://inlibrary.inl.gov/sti/6330932.pdf
FY 2015 NEUP R&D, NEUP IRP, and NEET Work scopes Webinar	Aug. 12-14, 2014;	NE	https://neup.inl.gov/SitePages/FY15%20Webinar%20Presentations.aspx
2014 Annual DOE-NE Materials Research Coordination Meeting	Aug. 19-21, 2014;	NE	



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Advanced Sensors And Instrumentation Project Review Webinar 2014	Sept. 16-18, 2014;	NE	http://www.energy.gov/ne/downloads/advanced-sensors-and-instrumentation-project-review-webinar-2014
2014 Annual DOE-NE Advanced Methods for Manufacturing Meeting	Oct. 21, 2014; Charlotte, NC	NE	
QTR Nuclear Energy Workshop	Oct. 29-30, 2014; Washington, DC	NE	
Assessment Of Disposal Options For DOE-Managed High-Level Radioactive Waste And Spent Nuclear Fuel	Oct. 2014	NE	http://www.energy.gov/ne/downloads/meeting-materials-december-10-2014
Fuel Cycle Technologies Annual Review Meeting	Nov. 4-6, 2014; Idaho Falls, ID	NE	
Nuclear Energy Advisory Committee	Dec. 10, 2014; Washington, DC	NE	http://www.energy.gov/ne/downloads/meeting-materials-december-10-2014
Annual Report 2014 Gen IV International Forum	2015	GIF	https://www.gen-4.org/gif/jcms/c_74053/gif-annual-report-2014
Nuclear Energy Innovation Workshops	March 3–5, 2015; at Oregon State University, Boise State University, University of New Mexico, Ohio State University, Massachusetts Institute of Technology, and North Carolina State University	NE	https://nuclearinnovationworkshop.inl.gov/SitePages/Home.aspx https://nuclearinnovationworkshop.inl.gov/SiteAssets/SitePages/Home/Innovation%20Workshop%20Final%20Report%201%20(1).pdf
LWRS Program and EPRI Long-Term Operations Program - Joint R&D Plan	April, 2015;	NE	http://www.energy.gov/sites/prod/files/INL-EXT-12-24562_LWRS-LTO_Joint_RD_Plan_Rev_4_0.pdf
Light Water Reactor Sustainability Program - Integrated Program Plan	April, 2015;	NE	http://www.energy.gov/sites/prod/files/FY-15_LWRS_IPP_Final_0.pdf
3rd Generation IV International Forum (GIF) Symposium	May 19, 2015; Chiba, Japan	GIF	https://www.gen-4.org/gif/jcms/c_42158/gif-presentations
Nuclear Science User Facility – Nuclear Science: Irradiation and Post-Irradiation Examination on Fuels and Materials	June 22-25, 2015; Idaho Falls, ID	NE	https://atrnusf.inl.gov/default.aspx?Page=Users%20Week%20Presentations&id=290
Nuclear Energy Advisory Committee	June 26, 2015, Arlington, VA	NE	http://www.energy.gov/ne/downloads/meeting-materials-june-26-2015



Biomass Power

Table 4

Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Bioenergy Program Workshop Page	Various	BETO	http://www.energy.gov/eere/bioenergy/past-meetings
Bioenergy with Carbon Capture and Sequestration	May 18, 2015; Washington, DC	FE, BETO	http://www.energy.gov/eere/bioenergy/bioenergy-carbon-capture-and-sequestration-workshop

Geothermal Power

Table 5

Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Geothermal Presentations		GTO	http://energy.gov/eere/geothermal/presentations
JASON Review		GTO	http://www1.eere.energy.gov/geothermal/pdfs/jason.final.pdf
GRC Annual Meeting	Sept. 28-Oct. 1, 2014; Portland, OR	GRC; GTO	http://geo-energy.org/events.aspx
2014 JASON Report: State of Stress in Engineered Subsurface Systems	Sept. 2014	GTO	http://energy.gov/articles/2014-jason-report-state-stress-engineered-subsurface-systems
GTO 2015 Peer Review GTO 2015 Peer Review Report	May 11-14, 2015; Westminster, Colorado	GTO	http://energy.gov/eere/geothermal/events/2015-gto-peer-review http://energy.gov/eere/geothermal/downloads/2015-peer-review-report-geothermal-technologies-office
GRC Annual Meeting	Sept. 20-23, 2015 Reno, NV	GRC; GTO	http://geo-energy.org/events.aspx



Solar Energy

Table 6

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Solar Energy Program Workshops are at:		SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops
AD LUCEM: Modeling Market Transformation Pathways Workshop	Feb. 17, 2012; Berkeley, CA	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops
2012 Sunshot Grand Challenge Summit and Technology Forum	June 13-14, 2012; Denver Colorado	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops http://energy.gov/eere/sunshot/sunshot-grand-challenge-summit-and-technology-forum
Thermochemical Energy Storage Workshop	Jan. 8, 2013;	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops
2013 Photovoltaic Module Reliability Workshop	Feb. 26-27, 2013; Golden, CO	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops http://energy.gov/eere/sunshot/photovoltaic-module-reliability-workshop-2013
2013 Sunshot CSP Program Review	April 23-25, 2013; Phoenix, AZ	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops http://energy.gov/eere/sunshot/sunshot-concentrating-solar-power-program-review-2013
Photovoltaics Module Reliability Workshop	Feb. 1, 2014; Golden, CO	SETO	
Sunshot Grand Challenge Summit and Peer Review 2014	May 19-22, 2014;	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops http://energy.gov/eere/sunshot/events/sunshot-grand-challenge-summit-and-peer-review-2014
Energy Education Data Jam	March 27, 2014; Washington, DC	SETO	http://energy.gov/eere/education/energy-education-data-jam
Solar Powering Illinois	April 8, 2014; Chicago, IL	SETO	http://www.growsolar.org/education-training/conferences/solar-powering-illinois/agenda/
White House Solar Summit & Champions of Change	April 17, 2014; Washington, DC	SETO	http://energy.gov/eere/sunshot/articles/white-house-solar-champions-change-watch-now
SEPA SunShot GEARED Student Conference	April 28-30, 2014; Newport Beach, CA	SETO	http://www.irecusa.org/2014/04/first-annual-student-conference-for-grid-engineering-for-accelerated-renewable-energy-development-developing-the-power-engineering-workforce-for-the-future/
Fundamental Barriers to High Efficiency CIGS Photovoltaics	June 12, 2014; Denver, CO	SETO	



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Photovoltaics R&D Beyond SunShot Workshop	June 22, 2014; Anaheim, CA	SETO	
2014 DC Energy and Data Summit	June 27, 2014; Washington, DC	SETO	http://aaaspolicyfellowships.org/event/dc-energy-and-data-summit
Mechanistic Approaches to Degradation and Lifetime Prediction in PV	Sept. 9, 2014; Chicago, IL	SETO	
2015 Grid Integration of Solar Energy workshop	Oct. 29, 2015;	SETO	http://energy.gov/eere/sunshot/past-meetings-and-workshops http://energy.gov/eere/sunshot/downloads/grid-integration-solar-energy-workshop

Water Power

Table 7

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Future Events	n/a	WWPTO	http://energy.gov/eere/water/calendars/water-power-events
2014 Water Peer Review	Feb. 24-28, 2014	WWPTO	http://energy.gov/eere/water/downloads/2014-water-power-program-peer-review-compiled-presentations-marine-and http://energy.gov/eere/water/water-power-program-peer-reviews
Wave Energy Converter (WEC) Extreme Condition Modeling Workshop	May 13–14, 2014, Albuquerque, NM	WWPTO	http://www.nrel.gov/docs/fy14osti/62305.pdf
Hydropower Vision Senior Peer Review Group (SPRG) Meetings	March 27, 2014; Webinar April 30, 2014; Washington, DC July 25, 2014; Nashville, TN Nov. 11, 2014; Golden, CO	WWPTO	http://energy.gov/eere/water/new-vision-united-states-hydropower



Wind Power

Table 8

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Future Events		WWPTO	http://energy.gov/eere/wind/calendars/wind-events
Applications for High-Voltage Direct Current Transmission Technologies	April 22, 2013; Arlington, VA	WWPTO	http://energy.gov/oe/downloads/hvdc-workshop-april-22-2013
Wind Vision Senior Peer Review Group and Task Force Meetings	May 8, 2013; Chicago, IL June 20, 2013; Washington, DC-web July 17, 2013; San Francisco, CA Sept. 17, 2013; Louisville, CO Nov. 5, 2013; Colorado Springs, CO Jan. 17, 2014; Washington, DC-web Feb. 27, 2014; Crystal City, VA April 24, 2014 Washington, DC-web May 6-8, 2014; Las Vegas, NV (public panel session with SPRG members) July 31, 2014; Washington, DC-web Nov. 19, 2014; San Diego, CA	WWPTO	Wind Vision Report http://energy.gov/eere/wind/new-vision-united-states-wind-power
Clean Energy Manufacturing Initiative (CEMI) Regional Summit - Wind Manufacturing Workshop	June, 2013; Toledo, Ohio	WWPTO	http://www1.eere.energy.gov/energymanufacturing/pdfs/cemi_regional_summit_agenda.pdf



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
A2E Topical Workshops Aeroacoustics Workshop Wind Plant Reliability Workshop HFM/XMC Workshops Controls Workshop Data Archive and Portal Workshop	Jan. 20, 2014; Washington, DC April 17, 2014; Dallas, TX April 15, 2014; Golden, CO June 14, 2014; Portland, OR July 28, 2014; Richland, WA	WWPTO	http://energy.gov/eere/wind/atmosphere-electrons
Atmosphere to Electrons (A2e) Initiative External Merit Review Board Meeting	Feb. 4, 2014	WWPTO	http://energy.gov/eere/wind/downloads/external-merit-review-atmosphere-electrons-a2e-initiative http://energy.gov/sites/prod/files/2014/03/f8/A2E%20Merit%20Review%20Minutes%20Final.pdf
EERE Grid Integration Planning Workshop	Feb. 19-20, 2014; Arlington, VA	WWPTO	
2014 Wind Peer Review	March 24-27, 2014 Crystal City, VA	WWPTO	http://energy.gov/eere/wind/downloads/2014-wind-program-peer-review-compiled-presentations http://energy.gov/eere/wind/downloads/2014-wind-program-peer-review-report

Supercritical CO₂

Table 9

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Super Critical CO ₂ Power Cycle Development Workshop	June 23-24, 2014 Washington, DC	NE	
Supercritical CO ₂ Power Cycles Symposium	Sept. 9-10, 2014; Pittsburgh, PA	NETL, SWRI, ...	http://www.swri.org/4org/d18/sCO2/papers2014.htm
2015 NETL CO ₂ Capture Technology Meeting	June 23-26, 2015; Pittsburgh, PA	NETL	http://www.netl.doe.gov/events/conference-proceedings/2015/2015-co2-capture-technology-meeting



Table 10 Water-Energy Nexus

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Community Modeling and Long-Term Predictions of the Integrated Water Cycle	Sept. 24-26, 2012; Washington DC	SC-BER	http://climatemodeling.science.energy.gov/doe-workshops/water-cycle-workshop
Water Energy Technology Team Strategic Ideas Workshop with DOE National Laboratories	May 5-6, 2014; Washington, DC	WWPTO, SC-BER	
Water-Energy Workshop	Aug. 20, 2014; Baltimore, MD	Energy-Water Nexus; Mega Symposium	http://www.netl.doe.gov/research/coal/crosscutting/publications/water-energy-workshop-2014
Climate Change Impacts and Integrated Assessment	July 27-30, 2015; Snowmass, CO	Energy Modeling Forum with support from SC-BER	https://emf.stanford.edu/agenda-and-presentations-6
American Geophysical Union - Town Hall on the Energy-Water Nexus: Ongoing Science Activities and Future Opportunities with DOE	Dec. 14, 2015; San Francisco, CA	SC-BER	http://climatemodeling.science.energy.gov/meetings/AGU2015; (see item #1, TH13F)

Buildings Energy-Related (QTR Chapter 5)

Table 11

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Technical Meeting: Buildings-to-Grid Integration	Dec. 12-13, 2012; Golden, CO	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-buildings-grid-integration
Solid-State Lighting Research and Development Workshop	Jan. 29-31, 2013; Long Beach, CA	BTO	http://energy.gov/eere/ssl/2013-solid-state-lighting-rd-workshop-presentations-and-materials
Peer Review	April 2-4, 2013; Washington, DC	BTO	http://energy.gov/eere/buildings/2013-doe-building-technologies-office-program-review
Windows and Building Envelope Research and Development: Roadmap for Emerging Technologies	April 5, 2013; Washington, DC	BTO	http://energy.gov/sites/prod/files/2014/02/f8/BTO_windows_and_envelope_report_3.pdf
Solid-State Lighting Research and Development Manufacturing Workshop	June 5-6, 2013; Boston, MA	BTO	http://energy.gov/eere/ssl/2013-solid-state-lighting-manufacturing-rd-workshop-presentations-and-materials



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Solid-State Lighting Market Introduction Workshop	Nov. 12–14, 2013; Portland, OR	BTO	http://energy.gov/eere/ssl/2013-solid-state-lighting-market-introduction-workshop-presentations-and-materials
Solid-State Lighting Research and Development Workshop	Jan. 28-30, 2014; Tampa, FL	BTO	http://www1.eere.energy.gov/buildings/ssl/rdworkshop14.html
Research & Development Roadmap for Emerging Water Heating Technologies	Jan. 28, 2014; Washington, DC	BTO	http://energy.gov/eere/buildings/downloads/emerging-water-heating-technologies-research-development-roadmap
Peer Review	April 22-24, 2014; Arlington, VA	BTO	http://energy.gov/eere/buildings/building-technologies-office-2014-program-peer-review
Public Meeting: Physical Characterization of Smart and Grid-Connected Commercial and Residential Building End-Use Equipment and Appliances	April 30, 2014; Golden, CO	BTO	http://energy.gov/eere/buildings/downloads/public-meeting-physical-characterization-smart-and-grid-connected
Technical Meeting: Data/Communication Standards and Interoperability of Building Appliances, Equipment, and Systems	May 1, 2014; Golden, CO	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-datacommunication-standards-and-interoperability-building
Technical Meeting: Reference Guide for a Transaction-Based Building Controls Framework	May 2, 2014; Golden, CO	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-reference-guide-transaction-based-building-controls
Solid-State Lighting Research and Development Manufacturing Workshop	May 7-8, 2014; San Diego, CA	BTO	http://energy.gov/eere/ssl/2014-solid-state-lighting-manufacturing-rd-workshop-presentations-and-materials
Better Buildings Summit 2014	May 7-9, 2014; Washington, DC	BTO	http://www1.eere.energy.gov/buildings/betterbuildings/summit/
Next-Generation Low-GWP Refrigerants	May 29, 2014; Washington, DC	BTO	http://www.energy.gov/sites/prod/files/2014/12/f19/Refrigerants%20Roadmap%20Final%20Report%202014.pdf
Research & Development Roadmap for Emerging HVAC Technologies	June 17, 2014; Atlanta, GA	BTO	http://energy.gov/sites/prod/files/2014/12/f19/Research%20and%20Development%20Roadmap%20for%20Emerging%20HVAC%20Technologies.pdf
Public Meeting: Physical Characterization of Grid-Connected Commercial And Residential Building End-Use Equipment And Appliances	July 11, 2014; Washington, DC	BTO	http://energy.gov/eere/buildings/downloads/public-meeting-physical-characterization-grid-connected-commercial-and
Technical Meeting: Software Framework for Transactive Energy	July 23 and 24, 2014; Cleveland, OH	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-software-framework-transactive-energy



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Solid-State Lighting Market Development Workshop	Nov. 12 – 13, 2014; Detroit, MI	BTO	http://energy.gov/eere/ssl/2014-ssl-market-development-workshop-presentations-and-materials
Solid-State Lighting Research and Development Workshop	Jan. 27 – 29, 2015; San Francisco, CA	BTO	http://energy.gov/eere/ssl/2015-ssl-rd-workshop-presentations-and-materials
Technical Meeting: Physical Characterization of Connected Buildings Equipment	Jan. 28 and 29, 2015; Chicago, IL	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-physical-characterization-connected-buildings-equipment
Technical Meeting: Buildings Interoperability Vision	March 11 and 12, 2015; Seattle, WA	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-buildings-interoperability-vision
Peer Review	April 14-16, 2015; Vienna, VA	BTO	http://energy.gov/eere/buildings/building-technologies-office-2015-program-peer-review
Better Buildings Summit 2015	May 27-29, 2015; Washington, DC	BTO	http://betterbuildingssolutioncenter.energy.gov/summit
Technical Meeting: Software Framework for Transactive Energy: VOLTTRON™ 2015	July 23 and 24, 2015; Arlington, VA	BTO	http://energy.gov/eere/buildings/downloads/technical-meeting-software-framework-transactive-energy-volttron-2015
Workshop: Advanced HVAC&R Research	Nov. 17, 2015; Houston, TX	BTO	http://energy.gov/eere/buildings/downloads/workshop-1-advanced-hvacr-research-effort
Solid-State Lighting Technology Development Workshop	Nov. 17-18, 2015; Portland, OR	BTO	http://energy.gov/eere/ssl/2015-ssl-technology-development-workshop-presentations-and-materials
Workshop: Advanced HVAC&R Research Effort	Dec. 8, 2015; Atlanta, GA	BTO	http://energy.gov/eere/buildings/downloads/workshop-2-advanced-hvacr-research-effort

Industrial Energy-Related (QTR Chapter 6)

Table 12

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
See Workshop Listing and Events		AMO	http://energy.gov/eere/amo/workshops
Manufacturing Demonstration Facility Workshop	March 12, 2012; Chicago, IL	AMO	http://energy.gov/eere/amo/downloads/manufacturing-demonstration-facility-workshop
Critical Materials Workshop	April 3, 2012; Arlington, VA	AMO	http://energy.gov/eere/amo/downloads/critical-materials-workshop-0
Innovative Manufacturing Recognition Day	June 20, 2012; Washington, DC	AMO	http://energy.gov/eere/amo/downloads/innovative-manufacturing-initiative-recognition-day



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Sustainable Nanomaterials Workshop	June 26, 2012; Washington, DC	AMO	http://energy.gov/eere/amo/downloads/sustainable-nanomaterials-workshop
Multimaterial Joining Workshop	July 23, 2012; Chicago IL	AMO	http://energy.gov/eere/amo/downloads/multimaterial-joining-workshop
Membrane Technology Workshop	July 24, 2012; Rosemont, IL	AMO	http://energy.gov/eere/amo/downloads/membrane-technology-workshop-0
Wide Band Gap Semiconductor for Clean Energy	July 25, 2012; Chicago, IL	AMO	http://energy.gov/eere/amo/downloads/wide-bandgap-semiconductors-clean-energy-workshop-0
Microwave and Radio Frequency workshop	July 25, 2012; Long Beach, CA	AMO	http://energy.gov/eere/amo/downloads/microwave-and-radio-frequency-workshop
AEMC Dialogue 1 – Rebuilding the Industrial Commons	April 11-12, 2013; Washington, D.C.	CEMI	http://www.compete.org/component/content/article/2653
AEMC Dialogue 2 – Driving Regional Transformation	June 20, 2013; Toledo, OH	CEMI	http://www.compete.org/component/content/article/2654
Clean Energy Manufacturing Initiative Regional Series— Toledo	June 21, 2013; Toledo, OH	AMO, CEMI	http://energy.gov/eere/amo/clean-energy-manufacturing-initiative-regional-and-national-summit-series
AEMC Dialogue 3 – Public Private Partnerships	Aug. 12, 2013; Niskayuna, NY	CEMI	http://www.compete.org/component/content/article/2655
AEMC Dialogue 4 – Facilitating Scale-up	Oct. 17, 2013; Santa Clara, CA	CEMI	http://www.compete.org/component/content/article/2656
EERE Quality Control Workshop	Dec.9-10, 2013; Golden, CO	AMO; BTO; FCTO; SETO; VTO	http://energy.gov/eere/fuelcells/eere-quality-control-workshop http://energy.gov/sites/prod/files/2014/05/f15/eere_qc_workshop_final_report.pdf
2013 AEMC Summit	Dec. 12, 2013; Washington, DC	EERE	http://www.aemcsummit.compete.org/inaugural-aemc-summit
Fiber Reinforced Polymer Composite Manufacturing Workshop	Jan. 13, 2014; Arlington, VA	AMO	http://energy.gov/eere/amo/downloads/fiber-reinforced-polymer-composite-manufacturing-workshop
AEMC Dialogue 5 – Strengthening the Innovation Pipeline	April 16, 2014; Berkeley, CA	CEMI	http://news.berkeley.edu/2014/04/16/chancellor-dirks-hosts-clean-energy-talks-with-doe-industry/
Clean Energy Manufacturing Initiative, Western Regional Summit	April 17, 2014; San Francisco, CA	DOE	http://energy.gov/eere/cemi/events/cemi-western-regional-summit
2014 AEMC Summit	Sept. 17, 2014; Washington, D.C.	EERE	http://www.aemcsummit.compete.org/about/140
Manufacturing Innovation Multi-Topic workshop	Oct. 8-9, 2014; Fort Worth, TX	AMO	http://energy.gov/eere/amo/downloads/manufacturing-innovation-multi-topic-workshop



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Smart Manufacturing Institute Industry Day	Feb. 25th, 2015; Atlanta, GA	AMO	http://energy.gov/eere/amo/downloads/smart-manufacturing-institute-industry-day-workshop
AEMC Dialogue 6 – Extreme Environment Materials Workshop 1	May 8, 2015; Portland, OR	AMO, FE, NE, CEMI	http://www.compete.org/component/content/article/3056
2015 Better Buildings Summit	May 27-29, 2015; Washington D.C.	AMO, BETO, SETO	http://www1.eere.energy.gov/buildings/betterbuildings/summit/
AEMC Dialogue 9 – Scaling Innovations to Partnerships	June 23, 2015; Washington, D.C.	CEMI	http://www.compete.org/component/content/article/2952
AEMC Dialogue 7— Extreme Environment Materials Workshop 2	June 25, 2015; Rosemont, IL	AMO, FE, NE, CEMI	http://www.compete.org/component/content/article/2952
AEMC Dialogue 8 -- Extreme Environment Materials Workshop 3	Aug. 17, 2015; College Station, TX	AMO, FE, NE, CEMI	http://www.compete.org/programs/compete-energy-manufacturing/aemc
2015 AEMC Summit	Sept. 15-16, 2015; Washington, D.C.	EERE	http://www.aemcsummit.compete.org/
Process Intensification	Sept. 29-30, 2015; Alexandria, VA	AMO	http://energy.gov/eere/amo/downloads/process-intensification-workshop-september-29-30-2015
Energy Optimized Desalination Technology Development	Nov. 5-6, 2015; San Francisco, CA	AMO	http://energy.gov/eere/amo/downloads/energy-optimized-desalination-technology-development-workshop-november-5-6-2015
Natural Gas Infrastructure R&D and Methane Emissions Mitigation	Nov. 12-13, 2014; Coraopolis, PA	AMO, FE	http://energy.gov/eere/amo/downloads/natural-gas-infrastructure-rd-and-methane-emissions-mitigation-workshop
Materials for Harsh Service Conditions	Nov. 19-20, 2015; Pittsburgh, PA	AMO	http://energy.gov/eere/amo/downloads/workshop-materials-harsh-service-conditions-november-19-20-2015
High Value Roll-to-Roll (HV R2R) Manufacturing Innovation	Dec. 2-3, 2015; Alexandria, VA	AMO	http://energy.gov/eere/amo/downloads/workshop-high-value-roll-roll-hv-r2r-manufacturing-innovation-december-2-3-2015
Sustainability In Manufacturing	Jan. 6-7, 2016; Portland, OR	AMO	http://energy.gov/eere/downloads/workshop-sustainability-manufacturing-january-6-7
Role of the Manufacturing Sector in Grid Modernization	Feb. 10-11, 2016; Austin TX	AMO	http://energy.gov/eere/downloads/dispatchable-distributed-generation-manufacturing-s-role-support-grid-modernization



Fuels-Related (QTR Chapter 7)

Biomass Fuels

Table 13

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Bioenergy Program Workshop Page	Various	BETO	http://www.energy.gov/eere/bioenergy/past-meetings-and-workshops
Commercial Aviation Alternative Fuels Initiatives Sustainable Alternative Fuels Cost Workshop	Nov. 27, 2012;	FAA, DOE	http://www.energy.gov/eere/bioenergy/past-meetings http://www.energy.gov/eere/bioenergy/downloads/sustainable-alternative-fuels-cost-workshop http://www.energy.gov/eere/bioenergy/downloads/sustainable-alternative-fuels-cost-workshop-roster-participants
Renewable Low-Cost Carbon Fiber for Lightweight Vehicles Workshop	June 4-5, 2013;	BETO; VTO; AMO	http://www.energy.gov/eere/bioenergy/past-meetings http://www.energy.gov/eere/bioenergy/downloads/renewable-low-cost-carbon-fiber-workshop-agenda http://www.energy.gov/eere/bioenergy/downloads/renewable-low-cost-carbon-fiber-lightweight-vehicles-summary-report
Symbiosis Conference: Expanding Commercialization of Mutualistic Microbes to Increase Bioenergy Crop Production	June 20-21, 2013; Ithaca, New York	BETO	http://www.energy.gov/eere/bioenergy/past-meetings http://www.energy.gov/eere/bioenergy/downloads/symbiosis-conference-speaker-and-attendee-list http://www.energy.gov/eere/bioenergy/downloads/symbiosis-biofeedstock-conference-expanding-commercialization-mutualistic
Natural Gas-Biomass to Liquids Workshop	Sept. 3, 2013;	BETO, FE, NETL	http://www.energy.gov/eere/bioenergy/past-meetings http://www.energy.gov/eere/bioenergy/downloads/gbtl-workshop-attendees http://www.energy.gov/eere/bioenergy/downloads/gbtl-opening-presentationtech-barriers http://www.energy.gov/eere/bioenergy/downloads/gbtl-workshop-ghg-emissions
Incorporating Bioenergy In Sustainable Landscape Design Workshop	March 4-6, 2014; New Bern, NC June 24-26, 2014; Argonne, IL	BETO BETO	http://www.energy.gov/eere/bioenergy/past-meetings http://www.energy.gov/eere/bioenergy/downloads/incorporating-bioenergy-sustainable-landscape-designs-workshop-two-summary
Demonstration and Deployment Strategy Workshop	March 12-13, 2014	BETO	http://www.energy.gov/eere/bioenergy/demonstration-and-deployment-strategy-workshop



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Biomass Indirect Liquefaction Workshop	March 20-21, 2014; Golden, CO	BETO	http://www.energy.gov/eere/bioenergy/biomass-indirect-liquefaction-workshop http://www.energy.gov/eere/bioenergy/downloads/biomass-indirect-liquefaction-strategy-workshop-summary-report
Algal Biofuels Spring Strategy Workshop	March 26-27, 2014; Charleston, SC	BETO	http://www.energy.gov/eere/bioenergy/algal-biofuels-strategy-workshop http://www.energy.gov/eere/bioenergy/downloads/algal-biofuels-strategy-workshop-spring-event
Bio-Oil Co-Processing: Expanding the Refinery Supply System Workshop	April 3, 2014; New Orleans, LA	BETO	http://www.energy.gov/eere/bioenergy/bio-oil-co-processing-expanding-refinery-supply-system
Process Integration and Carbon Efficiency Workshop	June 11-12, 2014; Lakewood, CO	BETO	http://www.energy.gov/eere/bioenergy/process-integration-and-carbon-efficiency-workshop http://www.energy.gov/eere/bioenergy/downloads/process-integration-and-carbon-efficiency-workshop-agenda http://www.energy.gov/eere/bioenergy/downloads/process-integration-and-carbon-efficiency-workshop-summary-report
Waste to Energy Roadmapping Workshop	Nov. 5, 2014; Arlington, VA	BETO	http://www.energy.gov/eere/bioenergy/waste-energy-workshop http://www.energy.gov/eere/bioenergy/downloads/waste-energy-workshop-agenda http://www.energy.gov/eere/bioenergy/downloads/waste-energy http://www.energy.gov/eere/bioenergy/downloads/waste-energy-workshop-summary-report
Advanced Supply System Validation Workshop	Feb. 3-4, 2015; Golden, CO	BETO	http://www.energy.gov/eere/bioenergy/advanced-supply-system-validation-workshop
Hydrogen, Hydrocarbons, and Bioproduct Precursors from Wastewaters Workshop	March 18-19, 2015; Washington, DC	BETO, FCTO	http://www.energy.gov/eere/fuelcells/hydrogen-hydrocarbons-and-bioprodukt-precursors-wastewaters-workshop http://www.energy.gov/eere/fuelcells/downloads/hydrogen-hydrocarbons-and-bioprodukt-precursors-wastewaters-workshop-agenda http://www.energy.gov/eere/fuelcells/downloads/hydrogen-hydrocarbons-and-bioprodukt-precursors-wastewaters-workshop-report
Workshop on Energy-Positive Water Resource Recovery	April 28-29, 2015; Arlington, VA	NSE, EPA, DOE	http://www.energy.gov/eere/bioenergy/energy-positive-water-resource-recovery-workshop-presentations http://www.energy.gov/eere/bioenergy/energy-positive-water-resource-recovery-workshop-report



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Bioenergy with Carbon Capture and Sequestration Workshop	May 18, 2015; Washington, DC	FE, BETO	http://www.energy.gov/eere/bioenergy/bioenergy-carbon-capture-and-sequestration-workshop
Optima Stakeholder Listening Day	June 16-17, 2015; Golden, CO	BETO	http://www.energy.gov/eere/bioenergy/optima-stakeholder-listening-day http://www.energy.gov/eere/bioenergy/downloads/optima-stakeholder-listening-day-agenda
Bioproducts to Enable Biofuels Workshop	July 16, 2015; Westminster, CO	BETO	http://www.energy.gov/eere/bioenergy/bioproducts-enable-biofuels-workshop-0 http://www.energy.gov/eere/bioenergy/downloads/bioproducts-enable-biofuels-workshop-agenda http://www.energy.gov/eere/bioenergy/downloads/bioproducts-enable-biofuels-workshop-summary-report

Fossil Fuels

Table 14

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Methane Hydrate Advisory Committee Meetings	March 27-28, 2014; Galveston, TX May 15, 2014; Washington, DC May 7, 2015; Washington, DC	BETO	http://energy.gov/fe/downloads/methane-hydrate-advisory-committee-meetings
Offshore Technology Conference	May 5-8, 2014; Houston, TX		http://2014.otcnet.org/
Unconventional Resources Technology Conference	Aug. 25-27, 2014; Denver, CO		http://www.urtec.org/
DOE-RPSEA Offshore Technology Showcase	Sept. 3-4, 2014; Houston, TX	With support from FE O&G and others	http://www.rpsea.org/past-events/153/
Federal Multiagency Collaboration on Unconventional Oil and Gas Research: A Strategy for Research and Development	2014 n/a	FE O&G; DOI/USGS, EPA	http://unconventional.energy.gov/pdf/Multiagency_UOG_Research_Strateg.pdf



Hydrogen Fuels

Table 15

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Hydrogen and Fuel Cell Workshops	23 listed 2011-present	FCTO	http://energy.gov/eere/fuelcells/workshop-and-meeting-proceedings
Biological Hydrogen Production Workshop	Sept. 24-25, 2013; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/biological-hydrogen-production-workshop
International Workshop on Hydrogen Infrastructure and Challenges	Dec. 2013	FCTO	http://www1.eere.energy.gov/hydrogenandfuelcells/pdfs/webinarslides_hydrogen_infrastructure_challenges121713.pdf
Electrolytic Hydrogen Production Workshop	Feb. 27-28, 2014; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/downloads/electrolytic-hydrogen-production-workshop
Hydrogen Contamination Detector Workshop	June 12, 2014; Troy, MI	FCTO	http://energy.gov/eere/fuelcells/downloads/hydrogen-contamination-detector-workshop
Hydrogen, Hydrocarbons, and Bioproduct Precursors from Wastewaters Workshop	March 18-19, 2015; Washington, DC	BETO; FCTO	http://energy.gov/eere/fuelcells/hydrogen-hydrocarbons-and-bioproduct-precursors-wastewaters-workshop
Fuel Cell and Hydrogen Annual Merit Review and Peer Evaluation	Annual, in June; Washington, DC	FCTO	https://www.hydrogen.energy.gov/annual_review.html

See Below, under Transportation, for further Hydrogen fuel-related Workshops

Subsurface Engineering and Technology R&D Crosscut

Table 16

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
SubTER	July 22, 2014; Washington, DC	SubTER	http://www.energy.gov/subsurface-technology-and-engineering-rdd-crosscut
Controlling Subsurface Fractures and Fluid Flow: A Basic Research Agenda	May 22, 2015; Germantown, MD	SC-BES; SubTER	http://www.energy.gov/eere/geothermal/downloads/controlling-subsurface-fractures-and-fluid-flow-basic-research-agenda
SubTER Grand Challenge Roundtable	July 21, 2015; Washington, DC	SubTER	http://www.energy.gov/eere/geothermal/downloads/subter-grand-challenge-roundtable-imaging-geophysical-and-geochemical



Transportation Energy-Related (QTR Chapter 8)

Table 17 Transportation Energy-Related (QTR Chapter 8)

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Hydrogen and Fuel Cell Workshops	23 listed 2011-present	FCTO	http://energy.gov/eere/fuelcells/workshop-and-meeting-proceedings
Clean Cities Workshops		VTO	https://cleancities.energy.gov/events
Clean Cities webinars	Ongoing	VTO	https://cleancities.energy.gov/webinars/
Directions in Engine-Efficiency and Emissions Research (DEER) Workshops	Ongoing	VTO	http://energy.gov/eere/vehicles/vehicle-technologies-office-directions-engine-efficiency-and-emissions-research-deer
U.S. Drive Partnership	Ongoing	FCTO; VTO	http://www.uscar.org/guest/partnership/1/us-drive http://energy.gov/eere/vehicles/vehicle-technologies-office-us-drive
21st Century Truck Partnership	Ongoing	VTO	http://energy.gov/eere/vehicles/vehicle-technologies-office-21st-century-truck-partnership
Annual Merit Review	Annual, most recently June 8-12, 2015; Arlington, VA	FCTO; VTO	http://www.annualmeritreview.energy.gov/ http://energy.gov/eere/vehicles/vehicle-technologies-office-annual-merit-review-presentations http://energy.gov/eere/vehicles/vehicle-technologies-office-annual-progress-reports
DOE Hydrogen and Fuel Cell Technical Advisory Committee	Ongoing, most recently Oct. 27, 2015; Washington, DC	FCTO	https://www.hydrogen.energy.gov/advisory_htac.html
EV Everywhere Grand Challenge Kick-off	June 21, 2012; Dearborn, MI	VTO	http://energy.gov/eere/everywhere/ev-everywhere-2012-workshops
EV Everywhere Electric Drive Workshop	July 24, 2012; Chicago, IL	VTO	http://energy.gov/eere/everywhere/ev-everywhere-2012-workshops
EV Everywhere Battery Workshop	July 26, 2012; Chicago, IL	VTO	http://energy.gov/eere/everywhere/ev-everywhere-2012-workshops
EV Everywhere Consumer Acceptance and Charging Infrastructure Workshop	July 30, 2012; Los Angeles, CA	VTO	http://energy.gov/eere/everywhere/ev-everywhere-2012-workshops
Directions in Engine-Efficiency and Emissions Research (DEER)	Oct. 16-19, 2012; Dearborn, MI	VTO	http://energy.gov/eere/vehicles/2012-directions-engine-efficiency-and-emissions-research-deer-conference-presentations



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Biogas and Fuel Cells Workshop	June 11-13, 2012; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/biogas-and-fuel-cells-workshop
Polymer and Composite Materials Meeting	Oct. 17-18, 2012; Washington, DC	FCTO	http://energy.gov/eere/fuelcells/polymer-and-composite-materials-meeting
Hydrogen Compression, Storage, and Dispensing Cost Reduction Workshop	March 20-21, 2013; Argonne, IL	FCTO	http://energy.gov/eere/fuelcells/hydrogen-compression-storage-and-dispensing-cost-reduction-workshop
Electric Vehicle Community Readiness Workshop	May 1, 2013; Knoxville, TN	VTO	https://cleancities.energy.gov/events/573
Biological Hydrogen Production Workshop	Sept. 24-25, 2013; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/biological-hydrogen-production-workshop
EERE Quality Control Workshop	Dec. 9-10, 2013; Golden, CO	AMO; BTO; FCTO SETO;VTO	http://energy.gov/eere/fuelcells/eere-quality-control-workshop
Hydrogen Transmission and Distribution Workshop	Feb. 25-26, 2014; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/downloads/hydrogen-transmission-and-distribution-workshop
Electrolytic Hydrogen Production Workshop	Feb. 27-28, 2014; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/downloads/electrolytic-hydrogen-production-workshop
2nd International Workshop on Hydrogen Infrastructure and Transportation	May 8-9, 2014; Torrance, CA	FCTO	http://energy.gov/sites/prod/files/2015/03/f20/fcto_webinarslides_2nd_international_h2_infrastructure_challenges_031015.pdf
Hydrogen Energy Storage for Grid and Transportation Services Workshop	May 14-15, 2014; Sacramento, CA	FCTO	http://energy.gov/eere/fuelcells/downloads/hydrogen-energy-storage-grid-and-transportation-services-workshop http://www.nrel.gov/docs/fy15osti/62518.pdf
Hydrogen Contamination Detector Workshop	June 12, 2014; Troy, MI	FCTO	http://energy.gov/eere/fuelcells/downloads/hydrogen-contamination-detector-workshop
R&D Needs and Technical Barriers for PEMFC	June 16, 2014; Washington DC	FCTO	http://energy.gov/sites/prod/files/2014/05/f16/fcto_fuel_cell_pre-solicitation_workshop_agenda.pdf
Transitioning the Transportation Sector: Exploring the Intersection of Hydrogen Fuel Cell and Natural Gas Vehicles	Sept. 9, 2014; Washington, DC	FCTO; VTO	http://energy.gov/eere/fuelcells/downloads/transitioning-transportation-sector-exploring-intersection-hydrogen-fuel
Workplace Charging Challenge Summit	Nov. 18, 2014; Alexandria, VA	VTO	http://energy.gov/eere/vehicles/downloads/workplace-charging-challenge-summit-2014-agenda
DOE Materials-Based Hydrogen Storage Summit: Defining Pathways for Onboard Automotive Applications	Jan. 27-28, 2015; Golden, CO	FCTO	http://energy.gov/eere/fuelcells/downloads/doe-materials-based-hydrogen-storage-summit-defining-pathways-onboard



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Clean Cities Strategic Planning Meeting	Feb. 25, 2015; Washington, DC	VTO	https://cleancities.energy.gov/events/568
Hydrogen, Hydrocarbons, and Bioproduct Precursors from Wastewaters Workshop	March 18-19, 2015; Washington, DC	BETO; FCTO	http://energy.gov/eere/fuelcells/hydrogen-hydrocarbons-and-bioproduct-precursors-wastewaters-workshop
Advanced Composite Materials for Cold and Cryogenic Hydrogen Storage Applications in Fuel Cell Electric Vehicles	Oct. 29, 2015; Dallas, TX	FCTO	http://energy.gov/eere/fuelcells/downloads/advanced-composite-materials-cold-and-cryogenic-hydrogen-storage

Energy Science-Related (QTR Chapter 9)

Table 15

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
SC Office of Basic Energy Sciences			
From Quanta to the Continuum: Opportunities for Mesoscale Science	Feb., 2012; Boston, MA March, 2012; San Diego, CA April, 2012; San Francisco, CA May, 2012 Report: Sept., 2012	SC-BES	http://science.energy.gov/~media/bes/pdf/reports/files/OFMS_rpt.pdf
Neutron and X-ray Detectors	Aug. 1-3, 2012; Gaithersburg, MD	SC-BES	http://science.energy.gov/~media/bes/pdf/reports/files/NXD_rpt.pdf
BES Facilities Prioritization	Feb. 26-27, 2013; Bethesda, MD	VTO	http://energy.gov/eere/vehicles/vehicle-technologies-office-directions-engine-efficiency-and-emissions-research-deer
X-ray Optics for BES Light Source Facilities	March 27-29, 2013; Potomac, MD	SC-BES	http://science.energy.gov/~media/bes/pdf/reports/files/BES_XRay_Optics_rpt.pdf
Report of the BESAC Subcommittee on Future X-ray Light Sources	May 23, 2013; Irvine, CA July 9-12, 2013; Bethesda, MD Report: July 25, 2013	SC-BES	http://science.energy.gov/~media/bes/besac/pdf/Reports/Future_Light_Sources_report_BESAC_approved_72513.pdf
Future of Electron Scattering & Diffraction	Feb. 24-25, 2014; Rockville, MD	SC-BES	http://science.energy.gov/~media/bes/pdf/reports/files/Future_of_Electron_Scattering.pdf



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
SC Office of Biological and Environmental Research			
Biosystems Design	July, 2011 Report: April, 2012	SC-BES	http://science.energy.gov/~media/bes/pdf/reports/files/Future_of_Electron_Scattering.pdf
Community Modeling and Long-Term Predictions of the Integrated Water Cycle	Sept. 24-26, 2012	SC-BER	http://science.energy.gov/~media/ber/pdf/workshop%20reports/Water_Cycle_Report_HR.pdf
BER Virtual Laboratory: Innovative Framework for Biological and Environmental Grand Challenges	Report: Feb., 2013	SC-BER	http://science.energy.gov/~media/ber/berac/pdf/Reports/BER_VirtualLaboratory_finalwebHR.pdf
CESD Atmospheric Testbed Workshop	Aug. 5-6, 2013; Germantown, MD	SC-BER	http://science.energy.gov/~media/ber/pdf/Brochures/CESD_Atmospheric_Testbed_Workshop_V9_LOW.pdf
Research for Sustainable Bioenergy: Linking Genomic and Ecosystem Sciences	Oct. 2-4, 2013; Germantown, MD Report: May, 2014	SC-BER	http://genomicscience.energy.gov/sustainability/SustainableBiofuels.pdf
Building Virtual Ecosystems: Computational Challenges for Mechanistic Modeling of Terrestrial Environments	March 26-27, 2014; Germantown, MD Report: Feb., 2015	SC-BER	http://science.energy.gov/~media/ber/pdf/workshop%20reports/VirtualEcosystems.pdf
ARM/ASR High-Resolution Modeling Workshop	May 19-20, 2014; Bethesda, MD	SC-BER	http://science.energy.gov/~media/ber/pdf/workshop%20reports/doe-sc-0169-low-resolution.pdf
BER Molecular Science Challenges Workshop	May 27-29, 2014; Germantown, MD Report: April, 2015	SC-BER	http://science.energy.gov/~media/ber/pdf/workshop%20reports/MolecularScienceChallenges-April-9-2015Final.pdf
Lignocellulosic Biomass for Advanced Biofuels and Bioproducts	June 23-24, 2014; Washington, D.C. Report: Feb., 2015	SC-BER	http://science.energy.gov/~media/ber/pdf/workshop%20reports/Lignocellulosic_Biomass_for_Advanced_Biofuels_and_Bioproducts.pdf
SC Office of Advanced Scientific Computing Research			
Data and Communications in BES: Creating a Pathway for Scientific Discovery	Oct. 24-25, 2011; Bethesda, MD Report: June, 2012	SC-ASCR SC-BES	http://science.energy.gov/~media/bes/pdf/reports/2015/ASCR_BES_Data_rpt.pdf
Scientific Collaborations for Extreme-Scale Science	Dec. 6-7, 2011; Gaithersburg, MD	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/program-documents/docs/Scientific_Collaborations_for_Extreme_Scale_Science_Report_Dec_2011_Final.pdf



Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
DOE Fault Management Workshop Report	June 6, 2012; Linthicum Heights, MD Report: Aug. 13, 2012	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/program-documents/docs/FaultManagement-wrkshpRpt-v4-final.pdf
Report on the ASCR Workshop on Modeling and Simulation of Exascale Systems and Applications	Aug. 9-10, 2012; Seattle, WA	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/program-documents/docs/ModSim_Report-2012_AH_5.pdf
Large Scale Production Computing and Storage Requirements for Biological and Environmental Science: Target 2017	Sept. 11-12, 2012; Rockville, MD Report: June, 2013	SC-ASCR SC-BER NERSC	http://science.energy.gov/~media/ascr/pdf/facilities/NERSC/2015/BER2017FinalJune7.pdf
Large Scale Computing and Storage Requirements for Fusion Energy Sciences: Target 2017	March 19-20, 2013; Rockville, MD Report: May, 2014	SC-ASCR SC-FES NERSC	http://science.energy.gov/~media/ascr/pdf/facilities/NERSC/2015/FES2017NERSC-RR.pdf
ASCAC Facilities Statement: Response to charge on plans for new and upgraded major facilities	Report: March 21, 2013	SC-ASCR	http://science.energy.gov/~media/ascr/ascac/pdf/reports/2013/ASCAC_facilities_statement_final.pdf
Synergistic Challenges in Data-Intensive Science and Exascale Computing	Report: March 30, 2013	SC-ASCR	http://science.energy.gov/~media/ascr/ascac/pdf/reports/2013/ASCAC_Data_Intensive_Computing_report_final.pdf
Data Crosscutting Requirements Review	April 4-5, 2013	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/program-documents/docs/ASCR_DataCrosscutting2_8_28_13.pdf
Applied Mathematics Research for Exascale Computing	Aug. 21-22, 2013; Washington, D.C. Report: March, 2014	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/research/am/docs/EMWGreport.pdf
Large Scale Production Computing and Storage Requirements for Basic Energy Sciences: Target 2017	Oct. 8-9, 2013; Gaithersburg, MD Report: Oct., 2014	SC-ASCR SC-BES NERSC	http://science.energy.gov/~media/ascr/pdf/facilities/NERSC/2015/NerscBES2017ReqRevFinal.pdf
DOE Workshop on Software Productivity for eXtreme-scale Science	Jan. 13-14, 2014; Rockville, MD	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/research/cs/Exascale%20Workshop/SoftwareProductivityWorkshopReport2014.pdf
Top Ten Exascale Research Challenges	Report: Feb. 10, 2014	SC-ASCR	http://science.energy.gov/~media/ascr/ascac/pdf/meetings/20140210/Top10reportFEB14.pdf
Workshop on Modeling & Simulation of Systems and Applications	Aug. 13-14, 2014; Seattle, WA Report: Dec., 2014	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/program-documents/docs/ModSim_2014_Report_FINAL.pdf



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Storage Systems and Input/ Output to Support Extreme Scale Science	Dec. 8-11, 2014; Rockville, MD	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/programdocuments/docs/ssio-report-2015.pdf
The 2015 Cybersecurity For Scientific Computing Integrity Workshop	Jan. 7-9, 2015; Rockville, MD	SC-ASCR	http://science.energy.gov/~media/ascr/pdf/programdocuments/docs/ASCR_Cybersecurity_For_Scientific_Computing_Integrity_Report_2015.pdf
SC Office of High Energy Physics			
Accelerator Task Force Report	Report: May, 2012	SC-HEP	http://www.acceleratorsamerica.org/report/accelerator_task_force_report.pdf
Workshop on Laser Technology For Accelerators	Jan. 23-25, 2013; Napa, CA	SC-HEP	http://science.energy.gov/~media/hep/pdf/accelerator-rd-stewardship/Lasers_for_Accelerators_Report_Final.pdf
Building for Discovery: Strategic Plan for U.S. Particle Physics in the Global Context	Nov. 2-4, 2013; Fermi National Accelerator Lab Dec. 2-4, 2013; SLAC National Accelerator Lab Dec. 15-18, 2013; Brookhaven National Lab Report: May, 2014	SC-HEP	http://science.energy.gov/~media/hep/hepaf/pdf/May-2014/FINAL_P5_Report_Interactive_060214.pdf
Tools, Techniques, and Technology Connections of Particle Physics	Report: May, 2014	SC-HEP	http://science.energy.gov/~media/hep/pdf/files/Banner%20PDFs/TTT-connections-May14.pdf
SC Office of Nuclear Physics			
Implementing the 2007 Long Range Plan	Report: Jan. 31, 2013	SC-NP	http://science.energy.gov/~media/np/nsac/pdf/20130201/2013_NSAC_Implementing_the_2007_Long_Range_Plan.pdf
Major Nuclear Physics Facilities for the Next Decade	Feb. 15-16, 2013 Report: March 14, 2013	SC-NP	http://science.energy.gov/~media/np/nsac/pdf/docs/2013/NSAC_FacilitiesReport.pdf



Workshop/Conference/ Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
The 2015 Long Range Plan for Nuclear Science	Aug. 6-8, 2014; East Lansing, MI Aug. 21-23, 2014; College Station, TX Sept. 13-15, 2014; Philadelphia, PA Sept. 28-29, 2014; Rosemont, IL April 16-20, 2015 Report: Sept. 18, 2015	SC-NP NSF	http://science.energy.gov/~media/np/nsac/pdf/2015LRP/2015_LRPNS_091815.pdf
SC Office of Fusion Energy Sciences			
Opportunities for Fusion Materials Science and Technology Research Now and During the ITER Era	Nov. 7-8, 2011; Gaithersburg, MD Jan. 5-6, 2012; San Diego, CA Oct. 3, 2011–Feb. 10, 2012(telecon) Report: Feb., 2012	SC-FES	http://science.energy.gov/~media/fes/pdf/workshop-reports/20120309/FESAC-Materials-Science-final-report.pdf
Opportunities for and Modes of International Collaboration in Fusion Energy Sciences Research during the ITER Era	Nov. 14-17, 2011; Salt Lake City, UT Dec. 19-21, 2011; La Jolla, CA Report: Feb., 2012	SC-FES	http://science.energy.gov/~media/fes/pdf/workshop-reports/20120309/Intl_Collab_Final_SCSC-PRINT.pdf
Report of the FESAC Subcommittee on the Prioritization of Proposed Scientific User Facilities for the Office of Science	Feb. 1, 2013; Gaithersburg, MD March 2-3, 2013; Gaithersburg, MD Report: March 21, 2013	SC-FES	http://science.energy.gov/~media/fes/fesac/pdf/2013/FESAC_Facilities_Report_Final.pdf
Priorities of the Magnetic Fusion Energy Science Program	Report: Feb. 10, 2013	SC-FES	http://science.energy.gov/~media/fes/fesac/pdf/2013/Final-Report-02102013.pdf
Report of the FESAC Strategic Plan Panel: Priorities Assessment and Budget Scenarios	June 3-5, 2014; Gaithersburg, MD July 8-10, 2014; Gaithersburg, MD Report: Oct. 8, 2014	SC-FES	http://science.energy.gov/~media/fes/fesac/pdf/2014/October/FESAC_Strategic_Panel_Report_Final_Draft_Oct_10_2014.pdf



Quadrennial Technology Review 2015

Table 16 Quadrennial Technology Review 2015

Workshop/Conference/Peer Review	Dates; Location	Leads; Co-Sponsors	Weblinks
Cornerstone Workshop	Dec. 4-5, 2014; Crystal City, VA	S4	
Capstone Workshop	April 15-16, 2015; Crystal City, VA	S4	
QTR Industry and Manufacturing Webinar	Feb. 11, 2015; N/A	AMO	http://energy.gov/downloads/qtr-webinar-chapter-8-industry-and-manufacturing
QTR Public Webinar 1	Feb. 18, 2015; N/A	S4	http://energy.gov/downloads/qtr-public-webinar-1
QTR Public Webinar 2	March 4, 2015; N/A	S4	http://energy.gov/downloads/qtr-public-webinar-2
QTR Framing Document	Jan. 13, 2015; N/A	S4	http://energy.gov/downloads/framing-document-second-quadrennial-technology-review-qtr-2015

Acronyms

Department Of Energy

ARPA-E	DOE Advanced Research Projects Agency-Energy
EPSA	DOE Office of Energy Policy and Systems Analysis
S4	Office of the Under Secretary for Science and Energy
EERE	DOE Office of Energy Efficiency and Renewable Energy
AMO	EERE Advanced Manufacturing Office
BTO	EERE Building Technologies Office
BETO	EERE BioEnergy Technologies Office
FCTO	EERE Fuel Cell Technologies Office
GTO	EERE Geothermal Technologies Office
SETO	EERE Solar Energy Technologies Office
VTO	EERE Vehicle Technologies Office
WWPTO	EERE Wind and Water Power Technologies Office
FE	DOE Office of Fossil Energy
O&G	FE Office of Oil and Gas



NE	DOE Office of Nuclear Energy
OE	DOE Office of Electricity Delivery and Energy Reliability
SC	DOE Office of Science
SC-ASCR	SC Office of Advanced Scientific Computing Research
SC-BER	SC Office of Biological and Environmental Research
SC-BES	SC Office of Basic Energy Sciences
SC-FES	SC Office of Fusion Energy Science
SC-HEP	SC Office of High Energy Physics
SC-NP	SC Office of Nuclear Physics

Crosscuts:

ACTT	Advanced Computing Technology Team
CEMI	Clean Energy Manufacturing Initiative
GTT	Grid Tech Team
sCO₂	Supercritical Carbon Dioxide Technology Team
SubTER	Subsurface Technology and Engineering RD&D Crosscut (Technology Team)
WETT	Water Energy Technology Team

DOE National Laboratories

Ames	Ames Laboratory
ANL	Argonne National Laboratory
BNL	Brookhaven National Laboratory
INL	Idaho National Laboratory
Fermilab	Fermi National Accelerator Laboratory
LBNL	Lawrence Berkeley National Laboratory
LLNL	Lawrence Livermore National Laboratory
LANL	Los Alamos National Laboratory
NETL	National Energy Technology Laboratory
NREL	National Renewable Energy Laboratory
ORNL	Oak Ridge National Laboratory
PNNL	Pacific Northwest National Laboratory
PPPL	Princeton Plasma Physics Laboratory
SLAC	Stanford Linear Accelerator Laboratory
SNL	Sandia National Laboratory



SRNL	Savannah River National Laboratory
JLab	Thomas Jefferson National Accelerator Facility
DOE National Laboratories	
DOC	Department of Commerce
DOI	Department of Interior
EPA	Environmental Protection Agency
NASA	National Aeronautics and Space Administration
NSF	National Science Foundation
NRC	Nuclear Regulatory Commission
OSTP	White House Office of Science and Technology Policy
USDA	U.S. Department of Agriculture

Initiatives, Interagency Activities, Other Organizations

CIGRE	The International Council on Large Electric Systems
CURRENT	Center for Ultra-wide-area Resilient Electric Energy Transmission Networks
EPRI	Electric Power Research Institute
GIF	Generation IV International Forum
NAS	National Academy of Sciences
NASPI	North American Synchro-Phasor Initiative
NRC	National Research Council
NERSC	National Energy Research Scientific Computing Center
NRECA	National Rural Electric Cooperative Association
NSET	Nanoscale Science, Engineering, and Technology Subcommittee, National Science and Technology Council's Committee on Technology, White House Office of Science and Technology Policy.
RPSEA	Research Partnership to Secure Energy for America (public-private partnership)
SWRI	Southwest Research Institute