



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 9



The U.S. Army Regional Environmental & Energy Office

February 2013

The **WESTERN REGION 9 REVIEW** provides current information on natural resource, energy, and environmental issues relevant to Department of Defense interests in the 4 states and territories that comprise Federal Region 9. The Review is intended to be a tool useful to DoD and Army leaders, planners, and program managers in carrying out their responsibilities. The Western Region 9 Review monitors and targets proposed and final regulations and legislation that may affect Army or DoD operations. To receive a copy of this electronic publication, send an email request to nancy.reese2@us.army.mil.



Table of Contents

Arizona.....	2
California.....	3
Hawaii and Pacific Islands.....	4
Nevada.....	4
DoD Activity.....	5
Federal Activity.....	5
Professional Development.....	8
Staff Directory.....	13
Acronyms.....	14

Army Moves Toward Renewable Energy Goal for 2025

The Army's goal to deploy 1 gigawatt (GW) of renewable energy projects by 2025 will come into sharper focus in 2013, with the release of several requests for proposal this year. The Army [Energy Initiatives Task Force \(EITF\)](#) has positioned three projects (Fort Bliss, Texas; Fort Irwin, California; and Schofield Barracks, Hawaii) to be released as requests for proposals or Enhanced Use Leases (EULs) during 2013.

In November 2012, the EITF partnered with the Defense Logistics Agency-Energy in the release of a request for proposal for a 15-megawatt (MW) solar photovoltaic project at Fort Detrick, Maryland and in December, for a 28-MW biomass plant at Fort Drum, New York. In total, these projects represent a 10-fold increase in the Army's renewable energy deployment to date, and will move the Army 10 percent toward achieving its 1 GW goal. That amount of power is considerable—1 GW of solar can power up to 750,000 homes and is equal to about two coal-fired power plants.

The Department of Defense as a whole has the goal to produce or consume 25 percent of its total energy use from renewable sources by year 2025.

The EITF serves as the central management office for partnering with Army installations to implement cost-effective, large-scale, renewable energy projects, with a focus on leveraging private sector financing. The EITF has responsibility for Army renewable energy projects that are 10 MW or greater using solar, wind, biomass, waste-to-energy, and geothermal energy sources. The Army Regional Environmental and Energy Offices (REEOs) support the EITF by providing information about state legislative and regulatory developments that may affect the EITF's mission.

For additional information on the Army's Renewable Energy projects, visit the [Federal Business Opportunities](#), the [EITF](#) website, or contact the Army REEO for your region.

Region 9

For more information on any state issues in Region 9, contact [Tim Kilgannon](#), Region 9 Environmental Coordinator (303) 844-0953.



ENERGY

PROPOSED REVISIONS TO RENEWABLE ENERGY CREDITS/INCENTIVES The [Arizona Corporation Commission](#), which sets utility policies is [considering a number of changes](#) to renewable energy programs. The proposed changes would affect incentive payments to customers who install solar energy panels and change the way renewable energy credits (REC) are counted. Net metering is also being re-evaluated as part of the program revisions. The Arizona Public Service Company is proposing to cancel future incentive payments for installation of solar panels, while tracking and recording electricity from customers' solar panels (even if it doesn't pay them an incentive), and keep the credits for itself to meet state renewable-energy rules.

LEGISLATIVE DEVELOPMENTS

The 2013 Arizona legislative session began January 14, 2013 and adjourns May 25, 2013. An * indicates the first time a bill appears in the 2013 Review. For additional information on the Arizona legislature, go to <http://www.azleg.state.az.us>.

<i>Arizona Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR / CLIMATE CHANGE				
ENERGY				
* SB 1016 <i>Senator Edward Ableser (D)</i> Proposes to require certain sized public entities to offer net metering. Defines aspects of the net metering program.	✓			
LAND USE				
NATURAL RESOURCES				
OTHER				
WASTE				
WATER				



AIR

EMISSIONS FOR SMALL OFF-ROAD VEHICLES The California Air Resources Board (CARB) adopted amendments to California’s off-road exhaust emission regulations for new small off-road engines and tier 4 compression-ignition engines. The purpose of this rulemaking is to provide better harmonization with related federal certification, testing requirements and associated test procedures. This action includes modifications to the test fuel requirements used in several other off-road categories of engines/vehicles (large spark-ignition engines, off-highway recreational vehicles and spark-ignition marine engines). The final rules were effective January 10, 2013. For more information, contact the board’s public information office at (916) 322-2990. The rulemaking website with links to the final regulations and test procedures is available at <http://www.arb.ca.gov/regact/2011/soreci2011/soreci2011.htm>.

LEGISLATIVE DEVELOPMENTS

The 2013 California legislative session began January 3, 2013. September 13, 2013 is the last day for each house to pass bills. Bills from 2013 carry over to the 2014 session. For additional information on the California legislature, go to <http://www.leginfo.ca.gov/>.

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR / CLIMATE CHANGE				
ENERGY				
LAND USE				
NATURAL RESOURCES				
*AB 37 <i>Assemblyman Henry T. Perea (D)</i> Proposes to amend California Environmental Quality Act (CEQA) to require project applicants to prepare certain documentation.	✓			
OTHER				
*AB 12 <i>Assemblyman Ken Cooley (D)</i> Proposes to require the Department of Finance and the office to annually review the standardized regulatory impact analyses for adherence to the adopted regulations. Potentially impacts agency regulatory impact analysis conducted for each major regulatory action.	✓			
WASTE				
WATER				
*AB 7 <i>Assemblyman Bob Wieckowski (D)</i> Proposes to require the California Division of Oil, Gas, and Geothermal Resources and the California State Water Resources Control Board to develop rules and regulations specific to hydraulic fracturing. Specifies requirements for production well owners.	✓			



LEGISLATIVE DEVELOPMENTS

The 2013 Hawaii legislative session began January 16, 2013 and adjourns May 2, 2013. Bills from 2013 carry over to the 2014 session. For additional information on the Hawaii legislature, go to <http://www.capitol.hawaii.gov/sessioncurrentbills>.

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR / CLIMATE CHANGE				
ENERGY				
LAND USE				
SB 509 <i>Representative Jo Jordan (D)</i> Proposes to establish the Makua Valley Reserve Commission to oversee preservation and restoration activities in Makua Valley on Oahu.	✓			
NATURAL RESOURCES				
OTHER				
WASTE				
WATER				

In addition the 2013 Guam legislative session begins January 2, 2013 and adjourns December 28, 2013. For more information about the Guam legislature, go to <http://www.guamlegislature.com/>.



LEGISLATIVE DEVELOPMENTS

The 2013 Nevada legislative session began February 4, 2013 and adjourns June 3, 2013. For information on the Nevada legislature, go to <http://www.leg.state.nv.us>.

Department of Defense Activity

NATURAL RESOURCES

PROTECTION OF SACRED SITES The DoD, Department of Interior (DOI), Department of Agriculture, and the Advisory Council on Historic Preservation (ACHP) signed a memorandum of understanding (MOU) to improve the protection of and tribal access to Indian sacred sites through enhance and improved inter departmental coordination and collaboration. The MOU includes a participating agency agreement that specifies actions the agencies agree to undertake. The MOU, effective upon final signature, expires December 31, 2017. The MOU is available at http://www.achp.gov/docs/SacredSites-MOU_121205.pdf.

OTHER

PROGRAMMATIC ENVIRONMENTAL ASSESSMENT (PEA) FOR ARMY 2020 FORCE STRUCTURE REALIGNMENT The Department of the Army completed a final [Programmatic Environmental Assessment](#) and draft Finding of No Significant Impact for Army force structure reductions and realignments that may occur from Fiscal Years 2013-2020. The PEA analyzes the potential environmental and socioeconomic impacts associated with realignment of the Army's force structure between FY2013 and FY 2020 to field a force of sufficient size, capability, and configuration to meet the Nation's current and projected future security and defense requirements.

ASA(I&E) FISCAL YEAR 2013 BUDGET GUIDANCE The Assistant Secretary of the Army (Installations, Energy, and Environment) released budget guidance for fiscal year 2013. The guidance addresses a number of required cost saving actions affecting facility space management, energy procurement and use, and environmental and cultural resource programs. The guidance, dated January 23, 2013, was effective upon release. The guidance is available as an attachment to this document (paperclip icon).

Federal Activity

AIR

NATIONAL AMBIENT AIR QUALITY STANDARDS TIGHTENED FOR FINE PARTICULATE MATTER The Environmental Protection Agency (EPA) published its final rule revising the National Ambient Air Quality Standards (NAAQS) for fine particulate matter (PM_{2.5}) ([78 FR 3085](#)). The rule lowers, from 15.0 to 12.0 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), the annual PM_{2.5} primary (health-based) standards for PM_{2.5}. EPA is retaining the 24-hour PM_{2.5} standard at a level of 35 $\mu\text{g}/\text{m}^3$, and retaining the 24-hour PM₁₀ standard at 150 $\mu\text{g}/\text{m}^3$. EPA indicates that [most areas are already in compliance](#) and expects that fewer than 10 counties in the United States will be required to consider local actions to reduce fine particle pollution in order to meet the new standard by 2020. Separately EPA has announced a voluntary program called [PM Advance](#) to encourage states, localities, and tribes to work to reduce particulate emissions. Additional information can be found on the [EPA NAAQS website](#).

NESHAP FOR RECIPROCATING INTERNAL COMBUSTION ENGINES In advance of formal publication, [EPA signed amendments](#) to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for stationary reciprocating internal combustion engines. Additional information on the rules including fact sheets and the text of the final amendments can be found at the [EPA policy and guidance website](#). For more information, contact [Melanie King](#).

CALIFORNIA: NONROAD ENGINE POLLUTION CONTROL STANDARDS The CARB is asking the EPA to confirm that the state's amendments to its *Nonroad Engine Pollution Control Standards; Off-Highway Recreational Vehicles and Engines* fall within the scope of the state's prior Clean Air Act preemption authorization (78 FR 724). Comments are due March 1, 2013. For more information, contact [Suzanne Bessette](#) at (734) 214-4703.

CALIFORNIA: SAN FRANCISCO BAY NONATTAINMENT AREA The EPA determined that the San Francisco Bay Area nonattainment area in California has attained the 2006 24-hour PM_{2.5} NAAQS (78 FR 1760). Therefore, the requirements for this area to submit an attainment demonstration, together with reasonably available control measures (RACM), a reasonable further progress (RFP) plan, and contingency measures for failure to meet RFP and attainment deadlines are suspended for so long as the area continues to attain the 2006 24-hour PM_{2.5} NAAQS. This final rule was effective February 8, 2013. For more information, contact [John Ungvarsky](#) at (415) 972-3963.

CALIFORNIA: YUBA CITY NONATTAINMENT AREA The EPA determined that the Yuba City-Marysville nonattainment area in California has attained the 2006 24-hour PM_{2.5} NAAQS (78 FR 2211). Therefore, the requirements for this area to submit an attainment demonstration, together with RACM, a RFP plan, and contingency measures for failure to meet RFP and attainment deadlines are suspended for so long as the area continues to attain the 2006 24-hour PM_{2.5} NAAQS. This final rule was effective February 11, 2013. For more information, contact [John Ungvarsky](#) at (415) 972-3963.

CALIFORNIA SIP: IMPERIAL COUNTY The EPA is proposing to approve revisions to the Imperial County Air Pollution Control District portion of the California State Implementation Plan (SIP) regarding coarse particulate matter (PM₁₀) emissions from unpaved roads (78 FR 922). The agency is proposing to approve local rules that regulate emissions of PM₁₀ from unpaved roads and disturbed soils. For more information, contact [Christine Vineyard](#) at (415) 947-4125.

CALIFORNIA SIP: PLACER COUNTY The EPA is proposing to approve revisions to the Placer County Air Pollution Control District Portion of the California SIP (78 FR 6784). The agency is proposing to approve local rules that regulate volatile organic compounds (VOCs), nitrogen oxides (NO_x), and particulate matter (PM) emissions from open burning. Comments are due March 4, 2013. For more information, contact [Rynda Kay](#) at (415) 947-4118.

CALIFORNIA SIP: SAN DIEGO, NORTHERN SIERRA, AND SACRAMENTO The EPA is proposing to approve revisions to the San Diego Air Pollution Control District, Northern Sierra Air Quality Management District, and Sacramento Metropolitan Air Quality Management District portions of the California SIP (78 FR 921). The agency is proposing to approve local rules that regulate VOC emissions from the transfer of gasoline at gasoline dispensing facilities. Comments were due February 6, 2013. For more information, contact [Nicole Law](#) at (415) 947-4126.

NEVADA SIP: CLARK COUNTY The EPA approved Nevada's plan for maintaining the 1997 8-hour ozone standard in Clark County for ten years beyond redesignation, and the related motor vehicle emissions budgets (78 FR 1149). This rule was effective February 7, 2013. For more information, contact [Ginger Vagenas](#) at (415) 972-3964.

CLIMATE CHANGE

TEST PROCEDURES FOR RESIDENTIAL WATER HEATERS AND COMMERCIAL WATER HEATERS The Department of Energy (DOE) is initiating the rulemaking and data collection process to develop a uniform efficiency descriptor and accompanying test method for residential water heaters and commercial water heaters (78 FR 2340-2347). For more information, contact [Mohammed Khan](#) at (202) 586-7892.

ENDANGERED SPECIES

CRITICAL HABITAT: SOUTHWESTERN WILLOW FLYCATCHER The Fish and Wildlife Service (FWS) designated 1,227 stream miles as critical habitat for the southwester willow flycatcher (*Empidonax traillii extimus*) (78 FR 343). These areas are designated as stream segments, with the lateral extent including the riparian areas and streams that occur within the 100-year floodplain or flood-prone areas encompassing a total area of 208,973 acres, in states of California,

Arizona, Nevada, Colorado, and New Mexico. Relevant lands on Vandenberg Air Force Base (AFB), Marine Corps Base (MCB) Camp Pendleton (including Marine Corps Air Station [MCAS] Camp Pendleton), and Naval Weapons Station Seal Beach-Detachment Fallbrook have been exempted by the FWS from critical habitat designation based on implementation of each installation's Integrated Natural Resources Management Plan. This final rule was effective January 4, 2013. For more information, contact Steve Spangle at (602) 242-0210. Additional information is available at <http://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B094>.

COMMENT PERIOD REOPENED: PROPOSED VALLEY ELDERBERRY LONGHORN BEETLE The FWS reopened the public comment period for its proposed rule to remove the valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*) from the List of Endangered and Threatened Wildlife (78 FR 4812). Comments are due February 22, 2013. For more information, contact Jan Knight at (916) 414-6600. Additional information is available at <http://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=I01L>.

PROPOSED LISTING AND CRITICAL HABITAT: ZUNI BLUE SUCKER The FWS is proposing to list Zuni bluehead sucker (*Catostomus discobolus yarrowi*) as an endangered species (78 FR 5369) and to designate critical habitat (78 FR 5351). The agency is proposing to designate 293 miles of stream habitat in Apache County, Arizona, and Cibola, McKinley, and San Juan counties, New Mexico, and on the Navajo Indian Reservation. Comments are due March 26, 2013. For more information, contact Wally Murphy at (505) 346-2525. Additional information is available at <http://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=E063>.

ENERGY

ARIZONA RENEWABLE ENERGY ZONE The Department of Interior (DOI) designated 192,100 acres of public land across Arizona as potentially suitable for utility-scale solar and wind energy development. The publication of the [Record of Decision](#) for this initiative, known as the Restoration Design Energy Project, caps a three-year, statewide environmental analysis of disturbed land and other areas that could accommodate commercial renewable energy projects. The Record of Decision also establishes the third solar zone on public lands in Arizona and the eighteenth nationwide: the new 2,550-acre Agua Caliente Solar Energy Zone is located in Yuma County and the BLM estimates that the zone could generate more than 20 megawatts through utility-scale solar projects. For more information, contact Blake Androff at (202) 208-6416. A press release is available at <http://www.doi.gov/news/pressreleases/secretary-salazar-finalizes-plan-to-establish-renewable-energy-zone-on-public-lands-in-arizona.cfm>.

UPDATED GUIDANCE: SUPERFUND LIABILITY AT LEASED RENEWABLE ENERGY SITES The EPA released [updated enforcement discretion guidance](#) regarding the treatment of tenants concerned about liability under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), also commonly referred to as Superfund. The guidance is intended to encourage renewable energy development on current and formerly contaminated land and mine sites. Under current CERCLA case law, the mere execution of a lease does not necessarily make a tenant liable as an owner or operator under CERCLA Section 107(a). A webinar on this topic was held February 4, 2013. For more information, contact [Susan Boushell](#) at (202) 564-5161.

TOXICS

DRAFT CHEMICAL RISK ASSESSMENTS - METHYLENE CHLORIDE AND TCE The EPA released draft chemical risk assessments for five chemicals, including methylene chloride (dichloromethane—DCM), N-Methylpyrrolidone (NMP), and trichloroethylene (TCE) (78 FR 1856-1858). The draft assessments focus on the use of methylene chloride and N-Methylpyrrolidone in paint stripping and uses of TCE as a degreaser and in consumer products used by individuals in the arts/crafts field. Comments on draft assessments are due March 11, 2013. For more information, contact [Stanley Barone](#), (202) 564-1169.

WASTE

ASSESSING PROTECTIVENESS AT SITES FOR VAPOR INTRUSION The EPA finalized the first of several pending guidance documents and regulations governing the evaluation and mitigation of vapor intrusion at contaminated sites. [EPA's new guidance](#) requires regional EPA offices to address vapor intrusion risks during the five-year reviews for most completed Superfund cleanups.

Professional Development

February 26, New Orleans, LA: [ESPC Comprehensive Workshop](#). Open only to Federal employees and DOE management and operating (M&O) contractors, the workshop outlines the latest DOE energy savings performance contract (ESPC) indefinite delivery, indefinite quantity contract and process. The session is taught by DOE national laboratory experts and other consultants with extensive background in ESPCs.

February 27-28, Washington, DC: [2013 Climate Leadership Conference](#). This conference is dedicated to professionals addressing global climate change through policy, innovation, and business solutions. It gathers forward-thinking leaders from business, government, academia, and the non-profit community to explore energy and climate related solutions, introduce new opportunities, and provide support to leaders taking action on climate change.

March 5-7, Washington, DC: [8th Annual Military Energy Alternatives Conference](#) This will be an in-depth discussion on strategies to integrate the latest technologies, establish returns on alternative energy investments and create a successful business environment with stakeholders in an effort to meet energy efficiency and security targets.

March 6-7, Philadelphia, PA: [24th Annual Globalcon 2013](#). Presented by the Association of Energy Engineers (AEE), examples of topics addressed at this conference include: energy efficiency, high performance buildings, energy conservation, and other energy related issues.

March 7, Online: [Embedding Sustainability In An Organizational Structure](#). Stephanie Bertels, PhD and Assistant Professor in Technology and Operations Management at Simon Fraser University, Surrey, researches innovations related to sustainability, institutional change, inter-organizational collaboration, and resilience and reliability. Her current research bridges organization theory and the issues surrounding sustainable development to explore how organizations can develop and implement innovative strategies for a more sustainable future.

March 13-15, New Orleans, LA: [Clean Air Compliance Workshop](#). This 2.5-day course provides a comprehensive overview of each regulation, permit, plan, to give a better understanding of facility compliance. This course is designed for new and veteran air professionals and practitioners.

March 25-28, Myrtle Beach, SC: [Coastal Geotools](#). This conference series focuses on the technical information needs of the nation's coastal programs. It will focus on building the Digital Coast, a Web platform that provides access to geospatial data, tools, and technical training.

April 1-4, Los Angeles, CA: [2013 National Association Of Environmental Professionals \(NAEP\)](#). NAEP and the California Association of Environmental Professionals (AEP) will jointly host their annual meetings. The theme of the conference is "Walk-the-Talk," highlighting the best efforts by private- and public-sector environmental professionals in the areas of regulations, analyses, project construction, and project operations. The focus will be on highlighting the work of environmental professionals that achieves the spirit of NEPA and the California Environmental Quality Act, while balancing the needs of economic development, quality of life, and conservation and protection of the environment.

April 11-13, Washington, DC: [Reclaim + Remake Symposium](#). This conference brings together the most innovative practices in education and research for current and future reuse and recycling of material resources in the built environment.

April 16-18, Washington, DC: [ESPC Comprehensive Workshop](#). Open only to Federal employees and DOE M&O contractors, the workshop outlines the latest DOE ESPC indefinite delivery, indefinite quantity contract and process. The session is taught by DOE national laboratory experts and other consultants with extensive background in ESPCs.

May 8-10, Chicago, IL: [International Society Of Sustainability Professionals Conference](#). The conference is structured around stories from the field featuring presentations of on-the-ground implementation from organizations worldwide; emerging strategies for building the business case, engaging employees and developing cultures of sustainability; and sustainability tools that will demonstrate the latest sustainability assessments, reporting standards and more.

May 15-17, Atlanta, GA: [Brownfields 2013](#). The focus of this conference is environmental revitalization and economic redevelopment.

June 20-13, New Orleans, LA: [E2S2 2013](#). E2S2 provides participants with information about environmental, energy security, and sustainability issues such as acquisition, environmental management, environmental restoration, emerging technologies, partnerships, finance and budgeting, technology, climate change and adaption, sustainable design and construction, stormwater, BRAC, unexploded ordnance recovery, grids and infrastructure security, and contingency base energy.

August 27-29, Topeka, KS: [2013 Kansas Environmental Conference](#). This annual conference provides updates on environmental issues, new technologies, regulatory information, and pollution prevention. Anyone interested in the status of the environment in Kansas is invited to attend.

[Various Dates and Times Online](#)

Readiness and Environmental Protection Initiative – [Webinar Series](#). The REPI Webinar Series is presented by the Department of Defense in partnership with the [Land Trust Alliance](#). This online series covers best practices, tutorials and knowledge sharing on REPI partnerships that support military mission and accelerate the pace and rate of conservation. All webinars begin at 1:00 p.m. Eastern unless otherwise noted. For detailed webinar descriptions please visit the [REPI website](#).

Defense and Federal Environmental Training/Awareness. The U.S. Army offers numerous environmental training courses. Information on environmental training conferences, school and other training providers and fiscal year class schedules are available on the [US Army Environmental Command \(AEC\) website](#).

[NPDES Training Courses And Workshops](#). Training courses, workshops, and webcasts explain the regulatory framework and technical considerations of the NPDES Permit program. They are designed for permit writers, dischargers, USEPA officials and other interested parties.

[Interstate Technology And Regulatory Council \(ITRC\) Internet Based Training](#). ITRC is a state-led coalition working with federal partners, industry, academia, and stakeholders to achieve regulatory acceptance of environmental technologies. In conjunction with EPA's Technology Innovation and Field Services Division, ITRC delivers training courses via the Internet to reach a geographically dispersed audience of regulators, consultants, and other members of the environmental community. The training sessions last approximately two hours, cover technical and regulatory information specific to environmental technologies and innovative approaches, and are supported by consensus-based ITRC guidance documents.

[EPA RCRA Training](#). RCRA-related online courses, seminars, webinars, podcasts, and videos are posted throughout USEPA's waste website. Introductory and advanced courses are included for federal and state regulators, the regulated community, organizations, associations, and consumers interested in environmental laws, regulations and implementation.

[National Enforcement Training Institute](#). EPA environmental enforcement training opportunities are offered (e-learning, classroom, and webinar) for federal, state, tribal and local government environmental enforcement professionals.

USACE PROSPECT Training. USACE announces its FY 2013 PROSPECT training program. Please see the [Course Catalog \(a.k.a. Purple Book\)](#) and [List of Classes and schedule](#) for details. Courses are open to all federal employees, state, county and city employees and contractors. There are different registration processes for each entity.

[Navy and ISEERB Environmental Training FY 13.](#) The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule for FY13 is available. Course topics include environmental overview and management; law planning and sustainability; pollution prevention; restoration; conservation; supplemental and Internet/computer-based training, and more.

[Air Force Civil Engineering School Training FY 2013.](#) The Air Force Civil Engineering School offers a variety of environmental management courses and seminars, including ISEERB offerings. Courses offered by the Civil Engineer School are available to all military and civilian employees of the U.S. government. Fees vary according to personnel status (i.e. active duty Air Force/civilian, other U.S. government employee, contractor).

Air Force Institute of Technology (AFIT) Training Course, [Qualified Recycling Program Management.](#) The purpose of the course is to understand the Department of Defense requirements for operating a Qualified Recycling Program (QRP). This course emphasizes principles and techniques to assist students in implementing a sound Qualified Recycling Program. The course focuses on learning what products can be recycled, products prohibited from recycling, QRP regulations, necessary processing equipment, collection and sorting methods to maximize returns, working with your DRMO, establishing contracts, recording transactions, DoD recordkeeping, and estimating future budgets.

[Anytime Online](#)

[EPA Watershed Academy.](#) The website offers a variety of self-paced training modules that represent a basic and broad introduction to the watershed management field. Modules vary in time to complete, from 1/2 hour to 2 hours.

[EPA Sustainable Materials Management Academy.](#) Learn about key issues, successful projects, and a variety of best management practices for creating stellar waste management programs. Hear from experts around the country on what works and what doesn't, and how to make your program more successful. The format is a formal presentation followed by a question and answer session and discussion time.

[Defense Acquisition University \(DAU\).](#) DAU developed online resources available for the DoD workforce, industry partners, and other federal, state, and local government organizations. The online resources provide the ability to apply for a course, take a continuous learning module for continuous learning credit, research policy and other documents, link to related learning and knowledge content, ask a professor a question, contribute knowledge objects (such as lessons learned, best practices, templates, or samples), or collaborate with peers on work issues.

[DOI Learn.](#) DOI Learn houses natural resource courses and training offered by all organizations within the Department of Interior, to include the National Park System, Fish and Wildlife Service, and Bureau of Land Management.

[GO Learn.](#) Go Learn provides government employees and military personnel with web-based learning and development courses, and other products and services. Site registration is required, including a nominal fee for federal users.

[Army Podcast Service.](#) The Army offers free podcasts on a wide variety of topics, including an environmental series, an Army Corps of Engineers series, and many more. The podcasts are available through a free subscription service. (It is not necessary to own an iPod in order to view or listen to a podcast.)

[Training for Federal GHG Inventories.](#) A component of FedCenter's broader Greenhouse Gas Inventory Reporting site is available. The DOE Federal Energy Management Program (FEMP)-developed training offers three types of training that can help in understanding the processes needed to develop an agency's GHG inventory under EO 13514 section 9. These trainings include online interactive courses, archived webinar videos and PowerPoint files from training courses.

[Building Retuning](#). The purpose of this course is to enable you to reduce operating cost and provide energy savings to buildings. The focus is on large (100,000 sq. ft.) commercial buildings, but the concepts and techniques presented can be applied to any type and size of facility that has a building automation system.

[Achieving Energy Security in Federal Facilities](#). Achieving Energy Security in Federal Facilities builds competency in protecting critical missions by integrating energy security measures into all aspects of operations. Employ critical principles, such as diversity, redundancy, reducing demand, planning, and emergency management as you consider energy security. Consider technologies that support energy security and develop an understanding of key issues related to short- and long-term energy disruptions, including storage and maintenance issues.

[Advanced Metering Solutions for Federal Agencies](#). This one-day FEMP-sponsored symposium (targeting federal energy managers, contractors, and software and system providers) consists of two sections. The morning session consists of presentations by federal agencies highlighting their successful applications of advanced metering, data analysis, and diagnostic software. The afternoon session features panel discussions by invited metering hardware and software providers highlighting the capabilities of such systems.

[Whole Building Design Guide Training](#). FEMP has partnered with the National Institute of Building Sciences to offer FEMP E-Learning Courses on the Whole Building Design Guide. Eight interactive, on-demand, self-paced, and self-tracking courses are supportive of the Federal Building Personnel Training Act competencies and provide up-to-date information targeted to mid-level federal energy, water, and sustainability managers.

[Using Social Media Channels to Inspire Offline Action](#). Zoey Kroll is an Internet Communications Specialist at the San Francisco Department of Environment and a Social Media Strategist at Hayes Valley Farm. She will talk about using social media channels to inspire offline action. The webinar will discuss how apps (RecycleWhere), activity clubs (Photo Adventure Club), and social media tools can inspire people to move from clicks to compost. This training is offered by the Pollution Prevention Resource Exchange (P2Rx).

[Energy Star Training](#). Energy Star offers free online training to help improve energy performance. Training is available in the form of live web conferences, pre-recorded training available 24/7, and self-guided presentations in pdf format. Depending on the conference, session, or presentation, the training is designed for facility managers, property managers, environmental managers, energy managers, financial officers, building engineers, and others interested in Energy Star.

[Air Force Civil Engineering School Seminars](#). The Air Force Civil Engineering School offers a variety of free online seminars on hazardous waste management, hazardous materials management, stormwater management, and more.

[USEPA Stormwater Webcast Series](#). The USEPA's NPDES Permit program offers training courses, workshops, and webcasts to explain the regulatory framework and technical considerations of the NPDES Permit program. These courses are designed for permit writers, dischargers, USEPA officials, and other interested parties.

[USEPA Reduce Runoff Video](#). The USEPA and the U.S. Botanic Garden produced a 9-minute online video, "Reduce Runoff: Slow It Down, Spread It Out, Soak It In," that highlights green techniques such as rain gardens, green roofs and rain barrels to help manage stormwater runoff.

[USEPA Watershed Academy Web Self Paced Training Modules](#). This USEPA online training website offers a variety of self-paced training modules that represent a basic and broad introduction to the watershed management field. Modules vary in the time to complete, from ½ hour to 2 hours.

[USEPA Watershed Academy Webcast Series](#). USEPA's Watershed Academy is sponsoring free webcast seminars for local watershed organizations, municipal leaders, and others. To access a webcast, simultaneously log on to the web and/or participate by phone conference lines in live training conducted by expert instructors. Archived training sessions are also available by streaming audio.

[NPDES Training](#). The web-based NPDES permit writers training is a series of web-based recordings of presentations. This training is appropriate for those who have attended the live course and wish to review the material in a self-paced

environment, and for those who wish to become familiar with the NPDES process. A certificate of completion is available for each module in the series.

[ITRC Archived Internet-Based Training](#). The Interstate Technology and Regulatory Council (ITRC) offers free internet-based training events on a wide variety of topics. Archived training courses are available for online viewing or download for later viewing. Limited sessions/topics are available via podcast.

[CLU-IN Environmental Remediation Webcast Series](#). USEPA's Clean-up Information (CLU-IN) website provides information about innovative treatment and site characterization technologies while acting as a forum for waste remediation stakeholders. The CLU-IN website offers free podcasts, live web events, course and seminar information and more, with most lasting approximately two hours.

[Sustainable Materials Management Web Academy](#). The Sustainable Materials Management (SMM) Web Academy (formerly the Resource Conservation Challenge) series provides information through another year of webinars related to the USEPA's Sustainable Materials Management Program. Learn about key issues, successful projects, and a variety of best management practices for creating stellar waste management programs. Hear from experts around the country on what works and what does not, and how to make your program more successful. The format for the calls is a formal presentation followed by a question and answer session and discussion time.

[FedCenter-Sponsored Courses](#). In conjunction with the USEPA, FedCenter is now offering free, web-based, on-demand training courses for federal employees. Initially, the FedCenter will be offering training for federal laboratories, environmental management systems, and underground storage tanks, but their library will expand over time to include other topic areas deemed important to the federal community. (FedCenter membership is required to view these courses).

[USEPA Climate & Energy Webcast Series](#). The USEPA hosts the Local Climate and Energy Webcast Series to assist local governments as they explore and plan climate change and clean energy efforts. These regular webcasts highlight EPA resources available to local governments and present examples of successful climate and energy programs and policies implemented locally.

[Global Challenges/ Chemistry Solutions Podcast Series](#). Global Challenges/Chemistry Solutions is a series of podcasts describing some of the 21st century's most daunting problems, and how cutting-edge research in chemistry matters in the quest for solutions. These global challenges includes dilemmas such as providing a hungry, thirsty world with ample supplies of safe food and clean water; developing alternatives to petroleum to fuel society; preserving the environment and assuring a sustainable future for our children; and improving human health.

[2013 First Thursday Series Seminars](#). First Thursday Seminars are FEMP training opportunities targeting federal energy, environmental, and fleet professionals offered at no cost by leading experts. Seven seminars will be held February through August on the first Thursday of each month. Archived seminars from 2010 and 2011 are also available at this site.

[FEMP Energy Management Program Online Training](#). FEMP trains federal energy managers on the latest energy requirements, best practices, and technologies. Training categories include design, operations, and maintenance; energy efficient products; energy management; financing; fleet; renewable energy; and water efficiency. Search the FEMP website for all topics, specific topics, or type of training (live or on-demand) to find training opportunities. All courses are free unless otherwise noted.

[Solar Energy International](#). Solar Energy International offers several online courses addressing design and installation of a variety of solar energy systems. These fee-based courses generally require 10 hours per week of online instruction, accessible at any time. Courses must be completed within a 6-week window. Follow the provided link to view class schedules.

How the Regional Offices Work for You

When used within the framework of ISO 14001, the *Western Region Review* can be part of an installation's procedures to satisfy Section 4.3.2 (Legal and other requirements) of ISO 14001. Information in the *Review* is intended for general guidance, and the reader should refer to cited source documents for more detailed information to determine the applicability and scope of the referenced legislation and regulations.

The US Army Regional Environmental and Energy Offices monitor state legislative and regulatory actions on your behalf. If a proposed state action has (1) critical mission impact; (2) conflicts with a federal requirement; and/or (3) a disproportionate effect on the Army or DoD, we coordinate with the potentially affected installations, commands, and/or other military Services to further assess the potential impact. If action is needed on a proposed measure we work with Army or Service regulatory experts to communicate DA/DoD position, coordinating with the affected installations and commands. Comments are combined from all parties in a single DoD/Army package and formally submitted to the state.

Want to comment on a rule or bill in the Review?

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Acronyms

AAQS	ambient air quality standards
ACHP	Advisory Council on Historic Preservation
ACUB	Army Compatible Use Buffer
ADEQ	Arizona Department of Environmental Quality
ADWM	Arizona Department of Weights and Measures
ADWR	Arizona Department of Water Resources
AFB	Air Force Base
AGRRC	Arizona Governor's Regulatory Review Council
AQIP	Air Quality Improvement Program
ARNG	Army National Guard
ASTM	American Standard Test Method
ATSDR	Agency for Toxic Substances and Disease Registry
BACM	best available control measure
BACT	best available control technology
BART	best available retro-fit technology
BLM	Bureau of Land Management
BTU	British thermal unit
CAA	Clean Air Act
CAFE	corporate average fuel economy
CAIR	Clean Air Interstate Rule
CAMR	Clean Air Mercury Rule
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CaRFG3	phase 3 California reformulated gasoline
CBAR	California Bureau of Automotive Repair
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDPH	California Department of Public Health
CDPR	California Department of Pesticide Regulation
CDTSC	California Department of Toxic Substances Control
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CH₄	methane
CNOR	candidate notice of review
CO₂	carbon dioxide
CO₂e	carbon dioxide equivalent
COAL	California Office of Administrative Law
COEHHA	California Office of Environmental Health Hazard Assessment
CPUC	California Public Utilities Commission
CrVI	hexavalent chromium
CSWRCB	California State Water Resources Control Board
CVC	California Vehicle Code
CWA	Clean Water Act
CX	categorical exclusion
DO	dissolved oxygen
DoD	Department of Defense
DSM	demand side management
DPS	distinct population segment
EA	environmental assessment
ECA	emission control area

ECF	emission comparable fuel
EIO	Energy Initiatives Office
EIS	environmental impact statement
EO	Executive Order
ESA	Endangered Species Act of 1973
ESTCP	Environmental Security Technology Certification Program
FERC	Federal Energy Regulatory Commission
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FONSI	finding of no significant impact
FY	fiscal year
GAO	Government Accountability Office
GEPA	Guam Environmental Protection Agency
GHG	greenhouse gas
GSA	General Service Administration
HAP	hazardous air pollutant
HAR	Hawaii Administrative Rule
HB	House Bill
HCFC	hydrochlorofluorocarbon
HCWRM	Hawaii Commission on Water Resource Management
HDA	Hawaii Department of Agriculture
HDLNR	Hawaii Department of Land and Natural Resources
HDOH	Hawaii Department of Health
HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers
HID	high intensity discharge
INRMP	integrated natural resource management plan
ISEERB	Interservice Environmental Education Review Board
ITRC	Interstate Technology and Regulatory Council
JLUS	Joint Land Use Study
LBP	lead-based paint
LEED	Leadership in Energy and Environmental Design
LID	Low-Impact Development
MACT	maximum achievable control technology
MADL	maximum allowable dose level
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MERIT	Materials of Evolving Regulatory Interest Team
MOU	memorandum of understanding
MPA	marine protected area
MS4	municipal separate storm sewer system
MSGP	multi-sector general permit
N₂O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCSL	National Conference of State Legislatures
NAC	Nevada Administrative Code
NDEP	Nevada Division of Environmental Protection
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF₃	nitrogen trifluoride
NHTSA	National Highway Traffic Safety Administration
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO₂	nitrogen dioxide
NO_x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	Nuclear Regulatory Commission

NSEC	Nevada State Environmental Commission
NSPS	New Source Performance Standard
NSR	New Source Review
OMB	Office of Management and Budget
ORCR	Office of Resource Conservation and Recovery
ORW	outstanding resource water
P2	pollution prevention
PBDE	polybrominated diphenyl ethers
PFC	perfluorocarbons
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PM	particulate matter
PM2.5	particulate matter 2.5 microns in diameter or less
PM10	particulate matter 10 microns in diameter or less
POPs	persistent organic pollutants
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
RICE	Reciprocating Internal Combustion Engine
RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SERDP	Strategic Environmental Research and Development Program
SI	spark-ignition
SIP	state implementation plan
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO₂	sulfur dioxide
SOx	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TiO₂	titanium dioxide
TMDL	total maximum daily load
tpy	tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
UFC	Unified Facilities Criteria
ug/m³	micrograms per cubic meter
U.S.	United States
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Command
USDA	United States Department of Agriculture
USDOE	United States Department of Energy
USDOI	United States Department of Interior
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
USTCA	Underground Storage Tank Compliance Act
VOC	volatile organic compound
WCI	Western Climate Initiative
WRAP	Western Regional Air Partnership